

QUEENS ANIMAL SHELTER AND CARE CENTER

151 WOODWARD AVENUE

QUEENS, NEW YORK

2025 Periodic Review Report

Reporting Period: December 18, 2023 through April 18, 2025

NYSDEC Site Number: C241230

AKRF Project Number: 180291

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P.E. CERTIFICATION

I, Michelle Lapin, P.E., am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the Site Management Plan protocols, and I certify that the documentation of site management activities is accurately presented in this Periodic Review Report for the Queens Animal Shelter and Care Center site located at 151 Woodward Avenue in Queens, New York, BCP Site No. C241230 (the "Site").

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

- a) 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 New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER);
- b) Nothing has occurred that would impair the ability of such control to protect public health and the environment;
- c) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
- d) Access to the Site will continue to be provided to NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Michelle Lapin, P.E.

May 7, 2025



NYS Professional Engineer #073934-1

Date

Signature

EXECUTIVE SUMMARY

This Periodic Review Report (PRR) was prepared by AKRF, Inc. (AKRF) on behalf of 1906 Flushing LLC (the “Applicant”) to document post-remediation activities conducted at the Queens Animal Shelter and Care Center site located at 151 Woodward Avenue in the Ridgewood neighborhood of Queens, New York (hereinafter referred to as the “Site”). The 1.005-acre Site is also identified on the New York City Tax Map as Block 3376, Lot 1. A Site location map is provided as Figure 1, and the Site plan is shown on Figure 2.

Investigation and remedial activities at the Site were completed between 2018 and 2023 under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Site was remediated in accordance with a Brownfield Cleanup Agreement (BCA) (Index No. C241230-03-19, Site No. C241230), which was executed on April 1, 2019. The BCA was amended in January 2021 to reflect a change in ownership and add 1906 Flushing LLC to the BCA. NYSDEC issued the Certificate of Completion (CoC) for the Remedial Action on December 18, 2023.

The purpose of this PRR is to document the Site management activities associated with the Site’s Engineering and Institutional Controls and to certify that the controls are being implemented in accordance with the NYSDEC-approved Site Management Plan (SMP) dated December 2023. The reporting period for this PRR is December 18, 2023 through April 18, 2025.

In summary, the remedy remains effective and protective of human health and the environment with continued implementation of the SMP. Quarterly and annual inspections and maintenance, and any non-routine inspections and/or maintenance, will continue to be performed in accordance with the SMP.

1. INTRODUCTION

This Periodic Review Report (PRR) was prepared by AKRF, Inc. (AKRF) on behalf of 1906 Flushing LLC (the “Applicant”) to document post-remediation activities conducted at the Queens Animal Shelter and Care Center site located at 151 Woodward Avenue in the Ridgewood neighborhood of Queens, New York (hereinafter referred to as the “Site”). The Site is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) under Site No. C241230.

The 1.005-acre Site is identified as Block 3376, Lot 1 on the New York City Tax Map. A Site location map is provided as Figure 1 and a Site Plan is shown on Figure 2. The Site is bounded to the north by a shelving warehouse and distribution facility; to the east by Troutman Street, followed by a parking lot, unspecified storage, and multi-family residential buildings; to the south by Woodward Avenue, followed by residential and commercial buildings and a gasoline station; and to the west by Flushing Avenue, followed by mixed-use buildings with street-level commercial uses (auto repair/tire shop and deli) and an auto storage/junk yard.

A Final Engineering Report (FER) detailing Site remedial activities was prepared by AKRF and approved by NYSDEC in December 2023. A Certificate of Completion (CoC) was issued on December 18, 2023. Ongoing Site management activities are being performed in accordance with the NYSDEC-approved Site Management Plan (SMP) dated December 2023. The SMP provides detailed descriptions of all procedures required to manage known and potential residual contamination.

2.0 SITE BACKGROUND

2.1 Site History

Previous to the current development, the Site was used as an automobile wrecking and salvage facility from approximately 1962 until operations ceased on June 17, 2019. Historical records indicated that the Site had also been used for automotive, residential, and commercial purposes since at least 1902. Historical Sanborn maps identified the Site as being mixed-use commercial (retail) and residential in 1902, but used solely for retail purposes by 1914. The Site was identified as a restaurant 1939. The New York City Department of Buildings (NYCDOB) records indicated that permits were filed in 1960 to redevelop the Site into an automobile garage. Between 1962 and 2005, the Site was listed in City telephone directories as an automobile wrecking corporation.

Known Site owners have included: LoGrande, Frank M prior to 1971; Grand Auto Wrecking Corp. from 1971 to 2002; LoGrande, Maria P. prior to 2002; LoGrande Family LLC from 2002 to 2007; 59-15 Holding Corp. and 35 Realty Holding Corp. from 2007 until June 2019; and Animal Care and Control of New York City Inc. from June 2019 to the present-day.

2.2 Geology and Hydrogeology

During subsurface investigations prior to remediation and redevelopment, the stratigraphy of the Site, from the surface down, generally consisted of historic fill comprising sand, silt, and gravel with varying amounts of concrete, brick, wood, coal, ash, metal shards, and roots extending from grade to between 6 and 24 feet below grade. The historic fill was underlain by apparent native sand, gravel, and silt to boring termination depths (up to 24.5 feet below grade).

Based on-site well point measurements, groundwater beneath the Site ranges from elevation 18.66 to elevation 11.97 feet above the North American Vertical Datum of 1988 (NAVD88), or approximately 12.5 to 20.0 feet below ground surface across the Site. Groundwater flows beneath the Site in a northwesterly direction toward Newtown Creek (the nearest body of water). A groundwater contour map is shown on Figure 3.

2.3 Nature and Extent of Contamination Prior to Remediation

Subsurface investigations conducted prior to remediation, including a 2018 Phase II Investigation and a 2018-2019 Remedial Investigation (RI), indicated that the Site was contaminated with volatile organic compounds (VOCs) and metals in soil; VOCs, semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals in groundwater; and petroleum-related VOCs in soil vapor.

During the RI, historic fill was encountered Site-wide from the ground surface to between approximately 6 to 24 feet below ground surface (bgs). VOCs, SVOCs, PCBs, metals, per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane were detected at variable concentrations in the soil samples between ground surface and approximately 7 feet bgs. However, the primary contaminants identified during the Phase II investigation and RI were VOCs and metals typically found in shallow soil/fill, between ground surface and two feet bgs. Petroleum-related VOCs were detected in soil samples at levels above the NYSDEC 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) but below Part 375 Commercial Use Soil Cleanup Objectives (CSCOs). Metals were found at concentrations above the CSCOs in two samples. Total PCBs were found above the CSCOs in three samples. Soil analytical results from the RI are presented on Figures 4a through 4c.

During the RI, groundwater beneath the Site was found to have VOCs, including 1,2-dichloroethane, 1,2-dimethylbenzene, acetone, methyl ethyl ketone, MTBE, and BTEX in one or more groundwater samples above NYSDEC Technical and Operational Guidance Series (TOGS)

(1.1.1): Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs). Dissolved metals (iron, magnesium, manganese, and sodium) were also detected above AWQSGVs during the RI, although these metals are naturally occurring metals that are ubiquitous in regional groundwater. Groundwater analytical results from the RI are presented in Figures 5a and 5b.

During the RI, chlorinated solvent-related VOCs, such as trichloroethylene (TCE), tetrachloroethylene (PCE), cis-1,2-dichloroethylene (cis-1,2-DCE), and methylene chloride, were detected at low level concentrations in soil vapor at the Site. Petroleum-related VOCs such as methyl-tert butyl ether (MTBE) and benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX) were detected in all of the soil vapor samples analyzed at variable concentrations across the Site. Soil vapor analytical results from the RI are presented on Figure 6.

The presence of petroleum-related VOCs in soil, groundwater, and soil vapor at the Site was attributed to the automobile wrecking operations that occurred at the Site prior to remediation.

3.0 SITE REMEDIATION

3.1 Site Remediation

The Site was remediated in accordance with the remedy selected by NYSDEC, as documented in the October 2019 Remedial Action Work Plan (RAWP) and November 2019 Decision Document (DD). The factors considered during the selection of the remedy are those listed in 6 NYCRR 375-1.8.

The following were the components of the selected remedy:

1. Materials were removed from the Site as part of the Remedial Action and/or for building construction and taken off-site for proper disposal to allow for implementation of the remedy, including approximately 1,551 tons of petroleum sludge-covered construction and demolition debris (C&D) and approximately 3,183 tons of soil, which included the upper one foot of material across the Site and additional source material in the central portion of the Site (approximately 29 feet by 25 feet by 7 feet deep) where BTEX concentrations exceeded PGWSCOs and/or CSCOs in soil and groundwater samples collected during the RI. An additional 14,689 tons of soil/fill were excavated as part of the construction of the proposed new building and required management per Part 360 regulations. In addition, a 250-gallon petroleum aboveground storage tank (AST) was removed during demolition of the former Site building in accordance with applicable regulations.
2. Fifty-four documentation samples were collected and analyzed to document any remaining contamination after completion of the Remedial Action.
3. A Site Cover System was constructed to allow for restricted commercial use of the Site. The Cover System consists of a concrete building slab and exterior asphalt pavement, concrete pavement, and landscaped areas with a minimum one-foot clean fill buffer with an underlying demarcation barrier. The soil cover material imported to the Site met the lower of the CSCOs and PGWSCOs set forth in 6 NYCRR Part 375-6.7(d).
4. An *in-situ* groundwater treatment program was implemented that consisted of injections of Modified Fenton's Reagent (MFR) into 35 temporary injection points within a 6,600-square-foot area in the central portion of the Site, as detailed in the Groundwater Treatment Design Report dated January 2020. In addition, post-remedial monitoring wells were installed with subsequent monitoring of BTEX and MTBE.
5. A biosparge system was installed to treat the residual MTBE groundwater plume as part of the groundwater treatment program, as detailed in the Groundwater Treatment Design Report.
6. An active sub-slab depressurization system (SSDS) was installed beneath the new building to prevent vapor intrusion.
7. Support of excavation (SOE) necessary to enable excavation of soil/fill for remediation and building construction was installed in accordance with applicable state and local controlled inspections.
8. A Community Air Monitoring Plan (CAMP) was implemented during all intrusive Site activities to monitor levels of VOCs and airborne particulates within the active work zones and around the perimeter of the Site.
9. Screening for indications of contamination of soil [by visual means, odor, and monitoring with photoionization detector (PID)] was performed during any intrusive Site work.
10. Selection of waste disposal facilities for off-site disposal of sludge-covered C&D and soil/fill from the Site, and appropriate off-site disposal of all material removed from the Site, was

- performed in accordance with all federal, state, and local rules and regulations for handling, transport, and disposal.
11. All responsibilities associated with the Remedial Action, including permitting requirements and pretreatment requirements, were addressed in accordance with all applicable federal, state, and local rules and regulations.
 12. Fill meeting the requirements of 6 NYCRR Part 375-6.7(d) was imported to replace excavated soil/fill and/or establish the designed grades at the locations of any impervious areas, including clean soil; gravel for the SSDS, biosparge system, and parking lot; and landscaping soil.
 13. Institutional Controls (ICs) in the form of an Environmental Easement (EE) and a Site-specific NYSDEC-approved Site Management Plan (SMP) were imposed. The EE (1) requires that the remedial parties/Site owners complete and submit a periodic certification of ICs and Engineering Controls (ECs) to NYSDEC in accordance with Part 375-1.8 (h)(3); (2) allows the use and development of the controlled property for restricted commercial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; (3) restricts the use of groundwater as a source of potable or process water without the necessary water quality treatment, as determined by the New York State Department of Health (NYSDOH); and (4) requires compliance with a Site-specific, NYSDEC-approved SMP.
 14. As required by the EE, an SMP for long-term management of residual contamination was published, including plans for: (1) ICs and ECs, (2) monitoring, (3) operation and maintenance, and (4) reporting.

3.2 Remaining Contamination

3.2.1 Soil

Remedial excavation was conducted to one foot below grade across the Site with additional soil excavation to seven feet below grade within the petroleum-contaminated source area in the central portion of the Site. Following completion of soil excavation and removal activities, 53 documentation soil samples were collected. Analytical results of the soil documentation sampling indicated that residual soil contamination exceeding Track 4 CSCOs remained in place below the remedial excavation extents. Documentation sample analytical results showing residual contamination at the Site are presented in Figure 7.

3.2.2 Groundwater

A groundwater treatment program was included as a component of the DD that included a one-time application of MFR into the subsurface of the Site via 35 temporary injection points and installation and operation of a biosparge system. Post-remedial sampling indicated that low-level concentrations of MTBE exceeding the AWQSGVs remained. Post-remedial groundwater concentrations above AWQSGVs are presented on Figure 8.

Groundwater use at the Site is also subject to the ICs documented within the EE and is restricted for use as a source of potable or process water without the necessary water quality treatment as determined by NYSDOH.

3.2.3 Sub-Slab Soil Vapor

Based on the findings of the RI and additional soil vapor testing completed as part of pilot testing, contaminated soil vapor remains at the Site. The contaminated soil vapor is being treated by the active SSDS installed below the entire building footprint to prevent vapor intrusion into the new building.

4.0 SITE MANAGEMENT REQUIREMENTS OF INSTITUTIONAL CONTROLS AND ENGINEERING CONTROLS

The SMP provides a detailed description of all procedures required to manage remaining contamination at the Site after completion of the Remedial Action. The following subsections detail the ICs and ECs, their components, and the requirements of each IC and EC to protect human health and the environment from underlying residually contaminated media. The photographic log provided as Appendix A includes representative photographs of work conducted during the reporting period.

4.1 Institutional Controls

Three ICs were required to: (1) implement, maintain, and monitor the ECs; and (2) prevent future exposure to any remaining contamination. Adherence to these ICs is required by the EE and is being implemented under the SMP. ICs identified in the EE may not be discontinued without an amendment to, or an extinguishment of, the EE. The ICs include:

1. The Site may be used for restricted commercial use only;
2. All ECs must be operated and maintained as specified in the SMP;
3. All ECs on the Site must be inspected and certified at a frequency and in a manner defined in the SMP;
4. The use of groundwater underlying the Site is prohibited without the necessary water quality treatment as determined by NYSDOH or the New York City Department of Health and Mental Hygiene (NYCDOHMH) 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 NYSDEC;
5. Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
6. Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
7. All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
9. Operation, maintenance, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
10. Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE;
11. In-ground vegetable gardens and farming on the Site are prohibited; and
12. An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

The ICs were adhered to during the reporting period.

4.2 Engineering Controls

Since remaining contaminated soil, groundwater, and soil vapor exist beneath the Site, ECs are required to protect human health and the environment. The ECs are detailed in the following subsections.

4.2.1 Sub-Slab Depressurization System

An active SSDS was installed to mitigate the potential for soil vapor intrusion into the new buildings. The SSDS was activated on November 13, 2023, prior to building occupancy in July 2024. When operating, the SSDS induces a negative pressure (i.e., vacuum) beneath the building slab. The underground elements of the SSDS installed beneath the new building slab include the following components:

- Six horizontal 4-inch-diameter, 0.020-inch slotted and solid polyvinyl chloride (PVC) pipe runs;
- A minimum 6-inch layer of ¾-inch gas-permeable aggregate (GPA) stone bedding under, around, and above all active SSDS piping; and
- Four vacuum monitoring points (VMPs) (MP-01 through MP-04).

The following aboveground elements were installed during construction of the new building superstructure and during the PRR reporting period to complete the SSDS installation:

- A fan capable of operating at 10 inches of water (in H₂O) and 300 cubic feet per minute (CFM) air flow rate;
- A 6-inch PVC riser pipe extending from the ground floor to an exhaust stack on the 2nd floor roof;
- A variable-frequency drive (VFD) to throttle blower operation, installed along with the blower on the roof of the building;
- A control panel equipped with a telemetry alarm system to notify select personnel (AKRF Project Manager, Deputy Project Manager, and building operations personnel) of alarm conditions; and
- Accessories, including cleanouts, sample ports, vacuum indicators/pressure gauges, flow meters, butterfly valves, and differential pressure switches.

The As-Built of the SSDS is shown on Figure 9.

4.2.2 Biosparge System

The treatment of residual contaminated groundwater at the Site is performed through operation of a Biosparge System designed to enhance the degradation of MTBE and BTEX compounds, and to prevent contaminated groundwater from migrating off-site. A network of biosparging wells was installed (as part of the remedy) within the building footprint and in the exterior parking area to continuously inject atmospheric air at low flow rates into the shallow aquifer.

The major components of the Biosparge System include:

- Twenty-three 2-inch-diameter PVC Biosparge wells (SW-01 through SW-23), each constructed with 0.020-inch slotted well screen from approximately 23 feet below grade to approximately 25 feet below the bottom of the concrete slab-on-grade;

- Dedicated airlines consisting of 1-inch-diameter High Density Polyethylene (HDPE) tubing connecting each individual Biosparge well to a remediation room on the eastern portion of the Site; and
- An enclosed, skid-mounted air compressor, silencer, and aftercooler with manifolded piping.

The Biosparge System began operating on October 13, 2023. The As Built of the Biosparge System is shown on Figure 10.

4.2.3 Cover System

Exposure to potential soil, groundwater, and soil vapor is prevented by a Cover System built on the Site. The Cover System is composed of: a concrete building foundation, and concrete exterior sidewalks and pathways; an asphalt-paved parking lot; and a minimum one-foot clean fill buffer with an underlying demarcation barrier in all landscaped and non-covered areas. Figure 11 presents the location and cross-sectional details of the Cover System.

4.2.4 Monitoring Wells

Three post-remedial groundwater wells (MW-05B, MW-06B, MW-08B) were installed at the Site as part of the remedy, as shown on Figure 8. Post-remedial groundwater monitoring and sampling is performed on a quarterly basis, with one sample collected from each of the three groundwater monitoring wells. In-Text Table 1 summarizes each well's location, depth, diameter, screened interval and sampling frequency. Monitoring well construction logs are included in Appendix E of the SMP.

In-Text Table 1
Monitoring Well Construction Details and Sampling Frequency

Monitoring Well ID	Location/Coordinates (longitude/latitude) ¹	Well Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Elevation (above msl) ¹	Sampling Frequency
MW-05B	40.1854347°/064.4436503°	2	12	17	31.50	Quarterly
MW-06B	40.1844432°/064.4433424°	2	14	24	27.79	Quarterly
MW-08B	40.1835119°/064.4431737°	2	14	24	27.73	Quarterly

All sampling activities are recorded in a field book and associated sampling log as provided in Appendix J – Site Management Forms of the SMP. Other observations (e.g., groundwater monitoring well integrity, etc.) are also noted on the sampling logs, as necessary. The sampling logs serve as the inspection form for the monitoring network.

Prior to collecting the samples, but after removing the well cap, each well is screened for the presence of VOCs using a PID. The depth to groundwater is then measured in the wells using an electronic oil/water interface probe attached to a measuring tape accurate to 0.01 foot; this is also used to gauge potential measurable product on the surface of the water table. The water level data, well diameter, and depth to bottom is used to calculate the volume of water in each well.

Groundwater samples are collected using dedicated polyethylene tubing and placed directly into laboratory-supplied sample bottles. All non-dedicated sampling equipment (e.g., submersible pumps and oil/water interface probes) is decontaminated between sampling locations in accordance with the QAPP.

The post-remedial groundwater samples are submitted to a NYSDOH-certified laboratory for analysis of Part 375 and Target Compound List (TCL) VOCs using Category B deliverables. One blind duplicate, one field blank, one trip blank, and one matrix spike/matrix spike duplicate (MS/MSD) sample are collected for quality assurance/quality control (QA/QC) purposes. The groundwater data is reviewed by a third-party validator and a Data Usability Summary Reports (DUSR) is prepared to document the usability and validity of the data for each sampling event. All purged groundwater is containerized in 55-gallon drums for future off-site disposal at a permitted facility.

The groundwater analytical results are reported to NYSDEC in quarterly monitoring reports, which includes a summary of the ongoing Biosparge System operation, laboratory analytical results, a comparison to the baseline groundwater analytical results, and recommendations for additional groundwater treatment, if necessary.

Groundwater monitoring will continue to be performed on a quarterly basis. The modification to the frequency or sampling requirements will require approval from the NYSDEC project manager.

5.0 REMEDY PERFORMANCE EVALUATION AND MAINTENANCE

The SMP describes the measures for evaluating the performance and effectiveness of the ICs/ECs. The annual Site-wide inspections, SSDS and Biosparge System inspections and monitoring, and groundwater monitoring were conducted in accordance with the SMP and summarized in quarterly reports submitted to NYSDEC. The Site management monitoring inspections completed during this reporting period are summarized in the following sections.

5.1 Site-Wide Inspection

The Site-Wide inspection was conducted on January 23, 2025. Based on the inspection results, all ICs and ECs remain in compliance with the SMP and remain effective and protective of human health and the environment. The Site-Wide Inspection Log is included in Appendix B.

5.2 On-Site Groundwater Monitoring

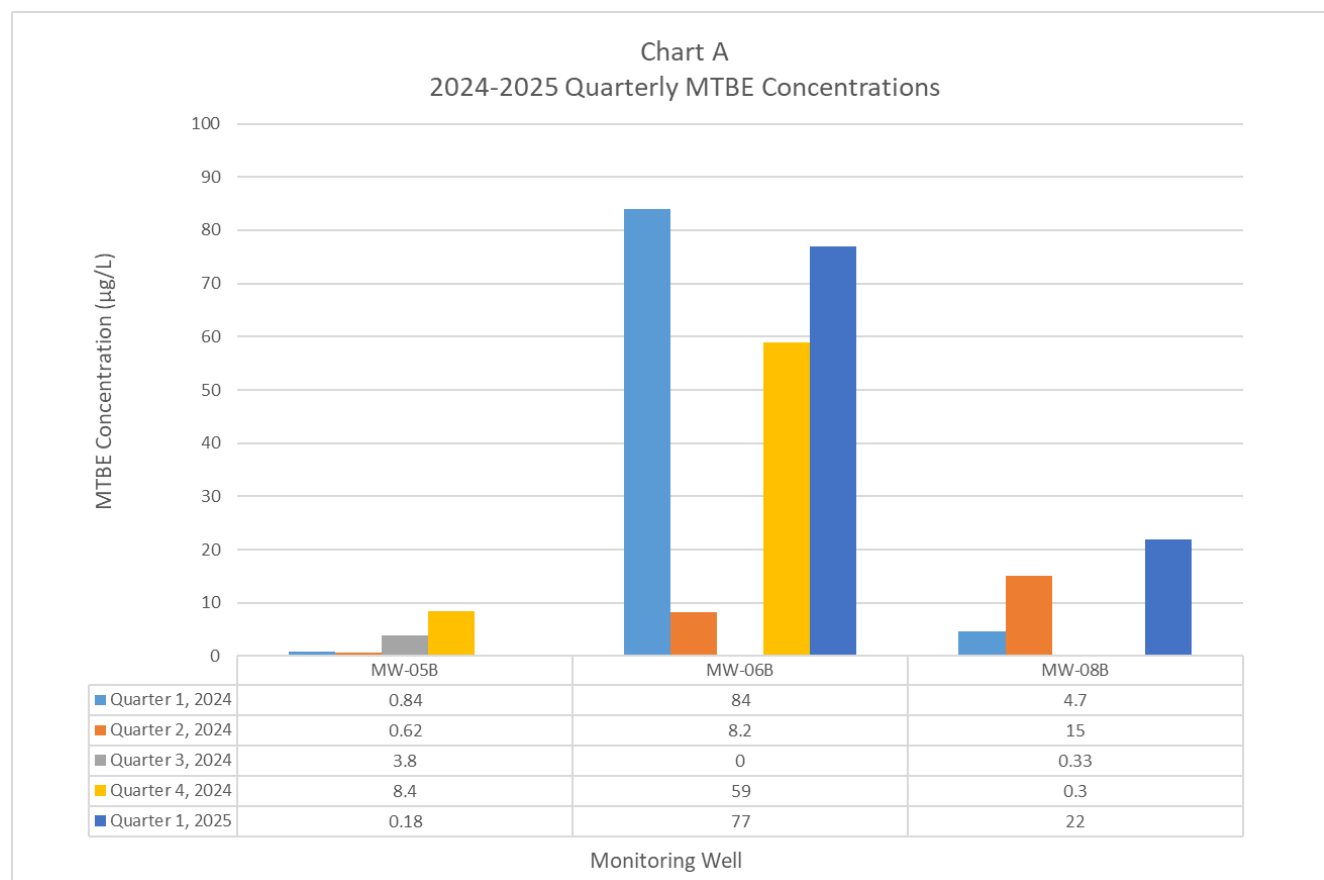
In accordance with the SMP, quarterly groundwater monitoring and sampling events have been conducted following NYSDEC approval of the SMP. Groundwater sampling was conducted in March, June, August, and October 2024, and January 2025. Samples were collected from the network of three on-site monitoring wells (MW-05B, MW-06B, and MW-08B).

During each sampling event, groundwater samples were collected in accordance with United States Environmental Protection Agency (EPA) low-flow sampling methodology and the Site-specific Quality Assurance Project Plan (QAPP) (included as Appendix H of the SMP). Groundwater samples were collected using dedicated and decontaminated sampling equipment. Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. Free phase product was not detected in the groundwater monitoring wells during installation, purging, or sampling. Purging of the wells was conducted with a submersible pump until at least three well volumes were removed, groundwater was visibly clear, and water quality indicators stabilized. All purge water from the groundwater monitoring wells was containerized in labeled, New York State Department of Transportation (NYSDOT)-approved 55-gallon drums for off-site disposal at a permitted facility. Groundwater sampling logs from the five sampling events are provided in Appendix C.

5.2.1 Groundwater Analytical Results

The quarterly groundwater samples were submitted to Pace Analytical Laboratories (Pace) of Somerset, New Jersey for analysis of VOCs by EPA Method 8260, and are summarized in Table 1. Pre-remedial VOC sample results in groundwater are summarized in Table 2. Pre- and-post remediation MTBE detections in groundwater are shown on Figure 8. Analytical laboratory data reports and DUSRs are provided in Appendix D. All three monitoring wells remain in good condition and are secure within the Site to allow for future sampling events to continue as planned.

As depicted below in Chart A, MTBE concentrations continue to be contained, are localized to the central and southern portions of the Site and have decreased or stabilized over time due to completion of the remedy and ongoing Biosparge operations.



5.3 Biosparge System Operation, Maintenance, and Inspections

During the PRR reporting period, AKRF conducted monthly inspections of the Biosparge System between November 2023 and January 2025. Routine inspection events consisted of a visual inspection noting the individual flow rate and vacuum reading of each airline, and whether any unusual conditions (e.g., unusual odors, spills, leaks, blower noise, etc.) were observed.

Typical routine maintenance items that are addressed during these inspections include:

- Confirmation that the compressor is operating and air is discharging through each airline to the network of Biosparge wells;
- Confirmation that the gauge on each airline is clean and within normal range; and
- Confirmation that the exterior of the Biosparge System control panel is clean.

In accordance with the SMP, Biosparge inspections will continue on a quarterly basis in 2025. The routine and detailed inspections were documented in the inspection logs provided in Appendix E, which include the monthly and quarterly inspections between November 2023 and January 2025.

5.4 SSDS Operation, Maintenance, and Inspections

During the PRR reporting period, AKRF conducted quarterly inspections of the Sub-Slab Depressurization System (SSDS) between November 2023 and January 2025. Routine inspection events included visual inspections to record individual flow rate and vacuum readings for each active SSDS riser leg, and to check for any alarms or unusual conditions (e.g., unusual odors, leaks, blower noise). During the first quarter 2025 inspection, the SSDS was shut down. It was discovered

that an unauthorized third party had turned off power to the SSDS. AKRF promptly restarted the system and confirmed that it was functioning according to design specifications. AKRF notified the onsite Operations Manager and Tera Mercado, Director of Behavior & Shelter Operations, emphasizing that unauthorized personnel should not have access to the SSDS and Biosparge control room. In response, the Animal Hospital staff implemented access control measures including the posting of warning signs and restricting access via key card authorization. These measures are intended to prevent and minimize the potential for future unauthorized deactivation of the system.

Typical routine maintenance items that are addressed during these inspections include:

1. Confirmation that the blower is operating and air is discharging through the exhaust piping to the roof;
2. Confirmation that the gauges on each manifold leg are clean and within normal ranges;
3. Confirmation that the exterior of the active SSDS control panel is clean;
4. Confirmation/assessment of the operating condition of VMPs MP-01 through MP-04; and
5. Confirmation/assessment of the structural integrity of the concrete floor slabs overlying the constructed active SSDS manifold and piping runs.

In accordance with the SMP, SSDS inspections will continue on a quarterly basis throughout 2025. The routine and detailed inspections were documented in the inspection logs provided in Appendix F, which includes the November 13, 2023 startup inspection log and the subsequent quarterly inspection logs between January 2024 and January 2025.

5.5 Investigation-Derived Waste (IDW)

Monitoring Wells Purge Water

On March 20, 2025, one 55-gallon drum of purge water associated with groundwater from sampling the three on-site monitoring wells was disposed of off-site by Aarco Environmental Services, Inc. (Aarco) in Lindenhurst, New York. Prior to disposal, the purge water was sampled for VOCs by EPA Method 8260 and approved for disposal at Dale Transfer Corporation in West Babylon, New York. Waste disposal manifest documentation is included in Appendix H.

5.6 Health and Safety Monitoring

The Health and Safety Plan (HASP), a component of the SMP, includes requirements for personnel training, protocols for work zone air monitoring and community air monitoring, designated personal protection equipment (PPE), and decontamination procedures. The HASP also includes a Community Air Monitoring Plan (CAMP), which establishes protocols for VOC and particulate air monitoring to be conducted at the Site perimeter if work zone perimeter concentrations approach the applicable community action levels.

Because there was no soil disturbance and no breaches of the Site Cover System during the reporting period, no air monitoring was performed. During groundwater monitoring, field personnel followed the HASP protocol using modified Level D PPE, including nitrile gloves and safety glasses.

6.0 SITE MANAGEMENT SCHEDULE

Monitoring and inspections will continue to be performed in accordance with the SMP to evaluate the performance and effectiveness of the remedy at the Site. Groundwater monitoring will continue on a quarterly basis. Biosparge System and SSDS inspections and monitoring will continue quarterly. In addition to the annual PRR, quarterly reports will be submitted to NYSDEC for review. The next PRR is due in April 2026.

7.0 GREEN REMEDIATION EVALUATION

7.1 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program, including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides a summary of green remediation evaluations completed for the Site during the reporting period.

7.2 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization (RSO), or at any time that the NYSDEC project manager feels appropriate (e.g., during significant maintenance events or in conjunction with storm recovery activities).

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance (O&M) activities after approval from the BCP project manager. To date, no green remediation modifications have been performed.

7.3 Remedial Systems

Remedial systems have been operated properly considering the current Site conditions to conserve materials and resources to the greatest extent possible. Consideration has been given to operating rates and use of reagents and consumables. Spent materials have been sent for recycling, as appropriate, including:

- Purged groundwater from monitoring wells.

The SSDS blower and Biosparge System air compressor are routinely adjusted using the VFDs to minimize energy usage based on operating conditions.

7.4 Building Operations

The Site building is being operated and maintained to provide for the most efficient operation of the remedy while minimizing energy, waste generation, and water consumption, to the extent possible. Consideration was made with respect to:

1. Heating/cooling systems and temperature set-points;
2. Building skin, insulation, and building use and occupancy;
3. Ventilation;
4. Lighting and plug loads; and
5. Grounds and property management.

7.5 Frequency of System Checks, Sampling, and Other Periodic Activities

Transportation to and from the Site, use of consumables in relation to visiting the Site in order to conduct system checks and/or collect samples, and shipping samples to a laboratory for analyses have direct and/or inherent energy costs. The schedule and/or means of these periodic activities was prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources to the extent possible. Consideration was made with respect to:

- Reduced Site visits and system checks;
- Installation of remote sensing/operations and telemetry for the Biosparge System;
- Bundling routine system operation checks, inspections, periodic sampling, and other Site management activities with other nearby sites;
- Coordination/consolidation of activities to maximize foreman/labor time; and
- Use of mass transit for Site visits, where available.

7.6 Remedial System Optimization

In accordance with Section 7.4 of the SMP, a Remedial System Optimization (RSO) study will be conducted at the Site any time that the NYSDEC project manager or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO was not requested or performed during this reporting period.

8.0 CONCLUSIONS AND RECOMMENDATIONS

This PRR documents the Site management activities and findings associated with the ICs and ECs at the Site, and certifies that the controls are being implemented in accordance with the NYSDEC-approved SMP. The IC/EC Certification Form for the Site (provided in Appendix G) was completed based on the results of the Site monitoring, inspections, and data described in this report, and confirms the following conclusions:

- All ICs/ECs at the Site remain in place and effective; and
- The ECs at the Site are in good condition, and the Biosparge System and SSDS are operational and performing as designed.

In summary, the remedy remains effective and protective of human health and the environment and remains in compliance with the requirements set forth in the SMP. Inspections and maintenance, as required, will continue to be performed in accordance with the SMP.

TABLES

Table 1
Queens Animal Shelter and Care Center
151 Woodward Avenue, Queens, NY
Quarterly Post-Remedial Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

AKRF Sample ID	MW-05B_20240311	MW-DUP_20240311	MW-05B_20240611	MW-05B_20240814	MW-0X_20240814	MW-05B_20241016	MW-0X_20241016
Laboratory Sample ID	460-299781-1	460-299781-4	L2432734-01	L2446181-03	L2446181-04	L2460266-01	L2460266-04
Date Sampled	3/11/2024	3/11/2024	6/11/2024	8/14/2024	8/14/2024	10/16/2024	10/16/2024
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dilution Factor	1	1	1	1	1	1	1
Compound	AWQSGVs	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	NR	2.5 U	NR	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	1 U	1 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
1,1-Dichloropropene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	NR	NR	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	NR	NR	2.5 U	2.5 U	2.5 UJ	2.5 UJ
1,2,4,5-Tetramethylbenzene	5	NR	NR	2 UJ	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	NR	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	2.5 U	2.5 U
1,3-Dichloropropane	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	NR	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
4-Chlorotoluene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	NR	NR	2 U	2 U	2 U	2 U
Acetone	50	6 U	6 U	5 U	5 UJ	5 U	5 U
Acrylonitrile	5	NR	NR	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	1 U	1 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ
Carbon Disulfide	60	1 U	1 U	5 UJ	5 U	5 UJ	5 UJ
Carbon Tetrachloride	5	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	1 U	1 U	2.5 UJ	2.5 U	2.5 U	2.5 U
Chloroform	7	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	1 U	1 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Cis-1,2-Dichloroethylene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	NR	NR	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	NR	NR	5 U	5 U	5 UJ	5 UJ
Dichloroethylenes	NS	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NR	NR	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Ethylbenzene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 UJ	5 UJ	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 UJ	5 U	5 U
Methylene Chloride	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	NR	NR	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	10 U	10 U	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	0.84 J	0.72 J	0.62 J	3.8	3.4	8.4 L
Tetrachloroethylene (PCE)	5	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	NR	NR	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	NR	NR	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ
Trichloroethylene (TCE)	5	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	NR	NR	2.5 U	2.5 U	2.5 UJ	2.5 UJ
Vinyl Acetate	NS	NR	NR	5 UJ	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2 U	2 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1
Queens Animal Shelter and Care Center
151 Woodward Avenue, Queens, NY
Quarterly Post-Remedial Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		MW-06B_20240311 460-299781-2 3/11/2024 µg/L 1	SW-17_20240611 L2432734-06 6/11/2024 µg/L 1	MW-06B_20240814 L2446266-02 8/14/2024 µg/L 1	MW-06B_20241016 L2460266-02 10/16/2024 µg/L 1	MW-08B_20240311 460-299781-3 3/11/2024 µg/L 1	MW-08B_20240611 L2432734-02 6/11/2024 µg/L 1	MW-X_20240611 L2432734-03 6/11/2024 µg/L 1
Compound	AWQSGVs	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,1,1-Trichloroethane	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1.5 U	1.5 U	1.5 U	1 U	1.5 U	1.5 U
1,1-Dichloroethane	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,1-Dichloroethene	5	1 U	0.5 U	0.5 U	0.5 UJ	1 U	0.5 U	0.5 U
1,1-Dichloropropene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	NR	2.5 UJ	2.5 U	2.5 U	NR	2.5 UJ	2.5 UJ
1,2,3-Trichloropropane	0.04	NR	2.5 U	2.5 U	2.5 UJ	NR	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	NR	2 UJ	2 U	2 U	NR	2 UJ	2 UJ
1,2,4-Trichlorobenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	2 U	2 U	2 U	NR	2 U	2 U
1,2-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2-Dichloroethane	0.6	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	2.5 U	NR	NR	NR
1,3-Dichloropropane	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,4-Dichlorobenzene	3	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NR	2 U	2 U	2 U	NR	2 U	2 U
2,2-Dichloropropane	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
2-Chlorotoluene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U
4-Chlorotoluene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
4-Ethyltoluene	NS	NR	2 U	2 U	2 U	NR	2 U	2 U
Acetone	50	6 U	1.5 J	140 L	2.8 J	6 U	5 U	5 U
Acrylonitrile	5	NR	5 U	5 U	5 U	NR	5 U	5 U
Benzene	1	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Bromobenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Bromochloromethane	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Bromodichloromethane	50	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Bromoform	50	1 U	2 U	2 U	2 U	1 U	2 U	2 U
Bromomethane	5	1 U	2.5 U	2.5 UJ	2.5 UJ	1 U	2.5 U	2.5 U
Carbon Disulfide	60	1 U	5 UJ	5 U	5 UJ	1 U	5 UJ	5 UJ
Carbon Tetrachloride	5	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Chloroethane	5	1 U	2.5 UJ	2.5 U	2.5 U	1 U	2.5 UJ	2.5 UJ
Chloroform	7	1 U	2.5 U	12	2.5 U	1 U	2.5 U	2.5 U
Chloromethane	5	1 U	2.5 U	2.5 U	2.5 UJ	1 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Cymene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Dibromochloromethane	50	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Dibromomethane	5	NR	5 U	5 U	5 U	NR	5 U	5 U
Dichlorodifluoromethane	5	NR	5 U	5 U	5 UJ	NR	5 U	5 U
Dichloroethylenes	NS	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NR	2.5 UJ	2.5 U	2.5 UJ	NR	2.5 UJ	2.5 UJ
Ethylbenzene	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
M,P-Xylenes	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	3 J	8.3 L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Methylene Chloride	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
N-Butylbenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
N-Propylbenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Sec-Butylbenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Styrene	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
T-Butylbenzene	5	NR	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	22	NR	NR	NR	10 U	NR	NR
Tert-Butyl Methyl Ether	10	84	8.2 L	2.5 U	59 L	4.7	15 L	15 L
Tetrachloroethylene (PCE)	5	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Toluene	5	1 U	2.5 U	1 J	2.5 U	1 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	NR	0.5 U	0.5 U	0.5 U	NR	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	1 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	NR	2.5 UJ	2.5 U	2.5 UJ	NR	2.5 UJ	2.5 UJ
Trichloroethylene (TCE)	5	1 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Trichlorofluoromethane	5	NR	2.5 U	2.5 U	2.5 UJ	NR	2.5 U	2.5 U
Vinyl Acetate	NS	NR	5 UJ	5 U	5 U	NR	5 UJ	5 UJ
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2 U	2.5 U	2.5 U	2.5 U	2 U	2.5 U	2.5 U

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Quarterly Post-Remedial Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	MW-08B_20240814 L2446181-01 8/14/2024 µg/L 1	MW-08B_20241016 L2460266-03 10/16/2024 µg/L 1	FB_20240311 460-299781-5 3/11/2024 µg/L 1	FIELD BLANK_20240611 L2432734-04 6/11/2024 µg/L 1	FB-01_20240814 L2446181-05 8/14/2024 µg/L 1	FB_20241016 L2460266-05 10/16/2024 µg/L 1	TB_20240311 460-299781-6 3/11/2024 µg/L 1
Compound	AWQSGVs	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,1,1-Trichloroethane	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1 U	1.5 U	1.5 U	1 U
1,1-Dichloroethane	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	1 U	0.5 U	0.5 UJ	1 U
1,1-Dichloropropene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	NR	2.5 UJ	2.5 U	NR
1,2,3-Trichloropropane	0.04	2.5 U	2.5 UJ	NR	2.5 U	2.5 UJ	NR
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	NR	2 UJ	2 U	NR
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	NR	2 U	2 U	NR
1,2-Dichlorobenzene	3	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,2-Dichloroethane	0.6	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,3-Dichlorobenzene	3	NR	2.5 U	NR	2.5 U	2.5 U	NR
1,3-Dichloropropane	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,4-Dichlorobenzene	3	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
1,4-Diethyl Benzene	NS	2 U	2 U	NR	2 U	2 U	NR
2,2-Dichloropropane	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
2-Chlorotoluene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
2-Hexanone	50	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
4-Ethyltoluene	NS	2 U	2 U	NR	2 U	2 U	NR
Acetone	50	5 UJ	5 U	6 U	5 U	5 U	6 U
Acrylonitrile	5	5 U	5 U	NR	5 U	5 U	NR
Benzene	1	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Bromobenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Bromochloromethane	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Bromodichloromethane	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Bromoform	50	2 U	2 U	1 U	2 U	2 U	1 U
Bromomethane	5	2.5 UJ	2.5 UJ	1 U	2.5 UJ	2.5 UJ	1 U
Carbon Disulfide	60	5 U	5 UJ	1 U	5 UJ	5 UJ	1 U
Carbon Tetrachloride	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Chlorobenzene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Chloroethane	5	2.5 U	2.5 U	1 U	2.5 UJ	2.5 U	1 U
Chloroform	7	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Chloromethane	5	2.5 U	2.5 UJ	1 U	2.5 U	2.5 UJ	1 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Cymene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Dibromochloromethane	50	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Dibromomethane	5	5 U	5 U	NR	5 U	5 U	NR
Dichlorodifluoromethane	5	5 U	5 UJ	NR	5 UJ	5 UJ	NR
Dichloroethylenes	NS	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 UJ	NR	2.5 UJ	2.5 UJ	NR
Ethylbenzene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
M,P-Xylenes	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 UJ	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 UJ	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
N-Butylbenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
N-Propylbenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Sec-Butylbenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Styrene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
T-Butylbenzene	5	2.5 U	2.5 U	NR	2.5 U	2.5 U	NR
Tert-Butyl Alcohol	NS	NR	NR	10 U	NR	NR	10 U
Tert-Butyl Methyl Ether	10	0.33 J	0.3 J	1 U	2.5 UJ	2.5 UJ	1 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Toluene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	NR	0.5 U	0.5 U	NR
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	1 U	2.5 U	2.5 U	1 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 UJ	NR	2.5 UJ	2.5 UJ	NR
Trichloroethylene (TCE)	5	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U
Trichlorofluoromethane	5	2.5 U	2.5 UJ	NR	2.5 U	2.5 UJ	NR
Vinyl Acetate	NS	5 U	5 U	NR	5 UJ	5 U	NR
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2 U	2.5 U	2.5 U	2 U

Table 1
Queens Animal Shelter and Care Center
151 Woodward Avenue, Queens, NY
Quarterly Post-Remedial Groundwater Analytical Results
Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TRIP BLANK L2432734-05 6/11/2024 µg/L 1	TB-01_20240814 L2446181-06 8/14/2024 µg/L 1	TB_20241016 L2460266-06 10/16/2024 µg/L 1
Compound	AWQSGVs	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 UJ
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 UJ	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 UJ
1,2,4,5-Tetramethylbenzene	5	2 UJ	2 UJ	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 UJ	5 UJ
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U
Acetone	50	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ
Carbon Disulfide	60	5 UJ	5 U	5 UJ
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 UJ	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 UJ
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 UJ	5 UJ
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 UJ	2.5 U	2.5 UJ
Ethylbenzene	5	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U
M.P.-Xylenes	5	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	NR	NR	NR
Tert-Butyl Methyl Ether	10	2.5 UJ	2.5 U	2.5 UJ
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 UJ	2.5 U	2.5 UJ
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 UJ
Vinyl Acetate	NS	5 UJ	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U

Table 2
Queens Animal Shelter and Care Center
151 Woodward Avenue, Queens, NY
Pre-Remedial Groundwater Analytical Results
VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-05_20181228 460-172521-1 12/28/2018 µg/L 1	RI-MW-06_20181228 460-172521-3 12/28/2018 µg/L 5	RI-MW-06_20181228 460-172521-3 12/28/2018 µg/L 10	RI-MW-08_20181213 460-171379-4 12/13/2018 µg/L 1
Compound	AWQSGVs	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	5 U	NR	1 U
1,1,2,2-Tetrachloroethane	5	1 U	5 U	NR	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	1 U	5 U	NR	1 U
1,1,2-Trichloroethane	1	1 U	5 U	NR	1 U
1,1-Dichloroethane	5	1 U	5 U	NR	1 U
1,1-Dichloroethene	5	1 U	5 U	NR	1 U
1,2,3-Trichlorobenzene	5	1 U	5 U	NR	1 U
1,2,4-Trichlorobenzene	5	1 U	5 U	NR	1 U
1,2,4-Trimethylbenzene	5	3.7	5 U	NR	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	5 U	NR	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	5 U	NR	1 U
1,2-Dichlorobenzene	3	1 U	5 U	NR	1 U
1,2-Dichloroethane	0.6	1 U	5 U	NR	1 U
1,2-Dichloropropane	1	1 U	5 U	NR	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.1	5 U	NR	1 U
1,3-Dichlorobenzene	3	1 U	5 U	NR	1 U
1,4-Dichlorobenzene	3	1 U	5 U	NR	1 U
2-Hexanone	50	5 U	25 U	NR	5 U
Acetone	50	96	25 U	NR	7.9 U
Benzene	1	5.4	5 U	NR	0.55 J
Bromochloromethane	5	1 U	5 U	NR	1 U
Bromodichloromethane	50	1 U	5 U	NR	1 U
Bromoform	50	1 U	5 U	NR	1 U
Bromomethane	5	1 U	5 U	NR	1 U
Carbon Disulfide	60	1 U	5 U	NR	0.2 J
Carbon Tetrachloride	5	1 U	5 U	NR	1 U
Chlorobenzene	5	1 U	5 U	NR	1 U
Chloroethane	5	1 U	5 U	NR	1 U
Chloroform	7	1 U	5 U	NR	1 U
Chloromethane	5	1 U	5 U	NR	1 U
Cis-1,2-Dichloroethylene	5	1 U	5 U	NR	1 U
Cis-1,3-Dichloropropene	NS	1 U	5 U	NR	1 U
Cyclohexane	NS	1	5 U	NR	1 U
Dibromochloromethane	50	1 U	5 U	NR	1 U
Dichlorodifluoromethane	5	1 U	5 U	NR	1 UJ
Ethylbenzene	5	3.8	5 U	NR	1 U
Isopropylbenzene (Cumene)	5	1 U	5 U	NR	1 U
M,P-Xylenes	5	15	2.3 J	NR	1 U
Methyl Acetate	NS	5 U	25 U	NR	5 U
Methyl Ethyl Ketone (2-Butanone)	50	93	25 U	NR	2.1 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	12	25 U	NR	5 U
Methylcyclohexane	NS	0.97 J	5 U	NR	1 U
Methylene Chloride	5	0.61 J	5 U	NR	1 U
N-Butylbenzene	5	1 U	5 U	NR	1 U
N-Propylbenzene	5	0.47 J	5 U	NR	1 U
O-Xylene (1,2-Dimethylbenzene)	5	7.3	1.8 J	NR	1 U
Sec-Butylbenzene	5	1 U	5 U	NR	1 U
Styrene	5	1 U	5 U	NR	1 U
T-Butylbenzene	5	1 U	5 U	NR	1 U
Tert-Butyl Methyl Ether	10	500	NR	4,300 D	39
Tetrachloroethylene (PCE)	5	1 U	5 U	NR	1 U
Toluene	5	11	5 U	NR	1 U
Trans-1,2-Dichloroethene	5	1 U	5 U	NR	1 U
Trans-1,3-Dichloropropene	NS	1 U	5 U	NR	1 U
Trichloroethylene (TCE)	5	1 U	5 U	NR	1 U
Trichlorofluoromethane	5	1 U	5 U	NR	1 U
Vinyl Chloride	2	1 U	5 U	NR	1 U
Xylenes, Total	NS	23	4 J	NR	2 U

Tables 1-2
Queens Animal Shelter and Care Center
151 Woodward Avenue, Queens, NY
Quarterly Post-Remedial and Pre-Remedial Groundwater Analytical Results
Notes

DEFINITIONS

- D** : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
- J** : The reported value is estimated.
- L** : Sample result is estimated and biased low.
- NR** : Not reported.
- NS** : No standard.
- U** : The analyte was not detected at the indicated concentration.
- UJ** : The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be innaccurate or imprecise.
- µg/L** : micrograms per liter

STANDARDS

NYSDEC : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational
Class GA : Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values
AWQSGVs (AWQSGVs).

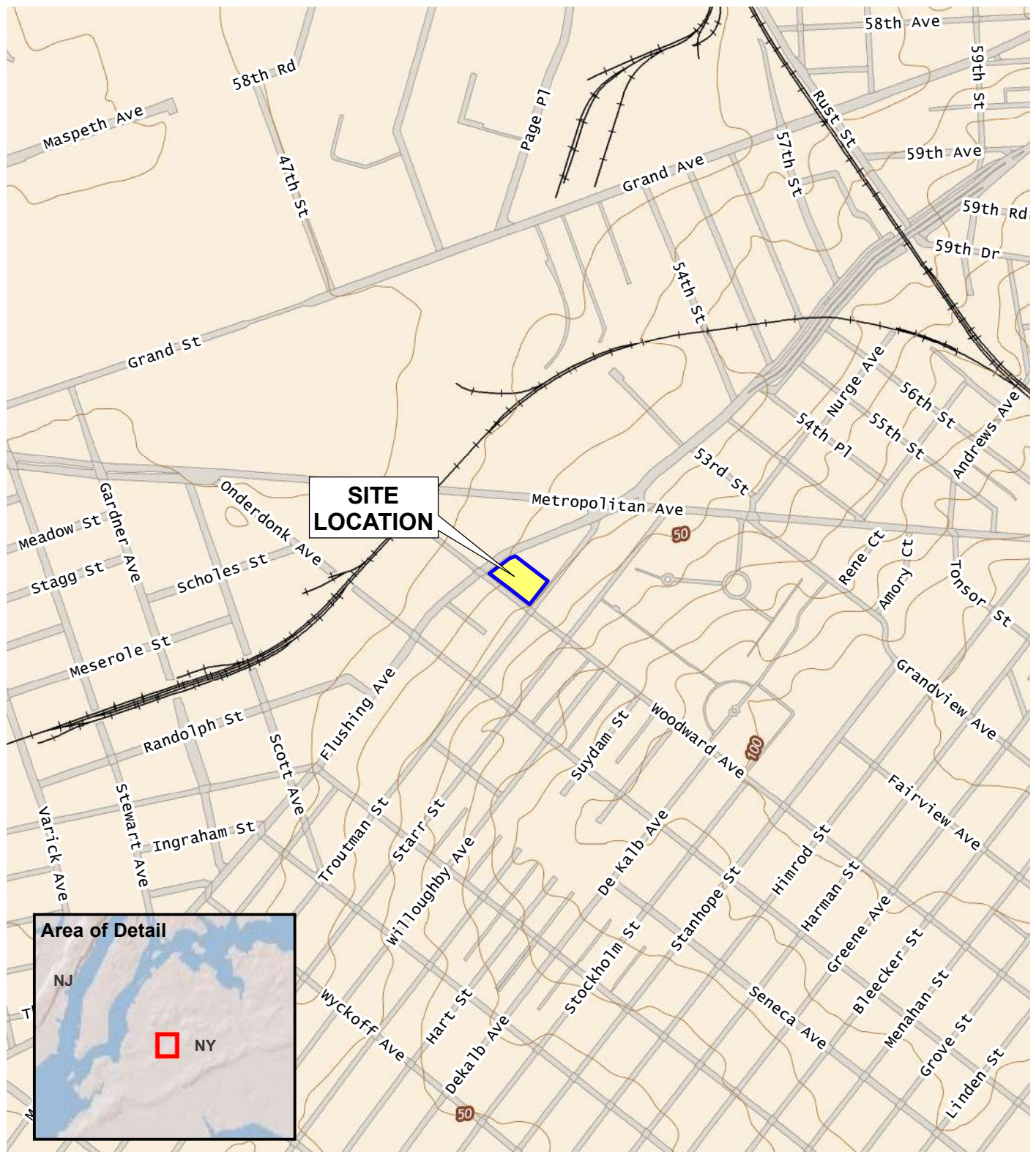
Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DUPLICATES

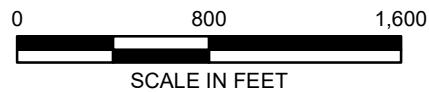
MW-DUP_20240311 is a blind duplicate of sample MW-05B_20240311
MW-X_20240611 is a duplicate of sample MW-08B_20240611
MW-0X_20240814 is a duplicate of sample MW-05B_20240814
MW-0X_20241016 is a blind duplicate of sample MW-05B_20241016

FIGURES

© 2019 AKRF. W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphical\Hazard\Map\180291_Fig 1 site loc map RIR.mxd 3/19/2019 5:13:00 PM iszallus



Service Layer Credits: USGS The National Map: 3d Elevation Program 2018



440 Park Avenue South, New York, NY 10016

Queens Animal Shelter and Care Center
151 Woodward Avenue
Queens, New York

BCP SITE LOCATION

DATE

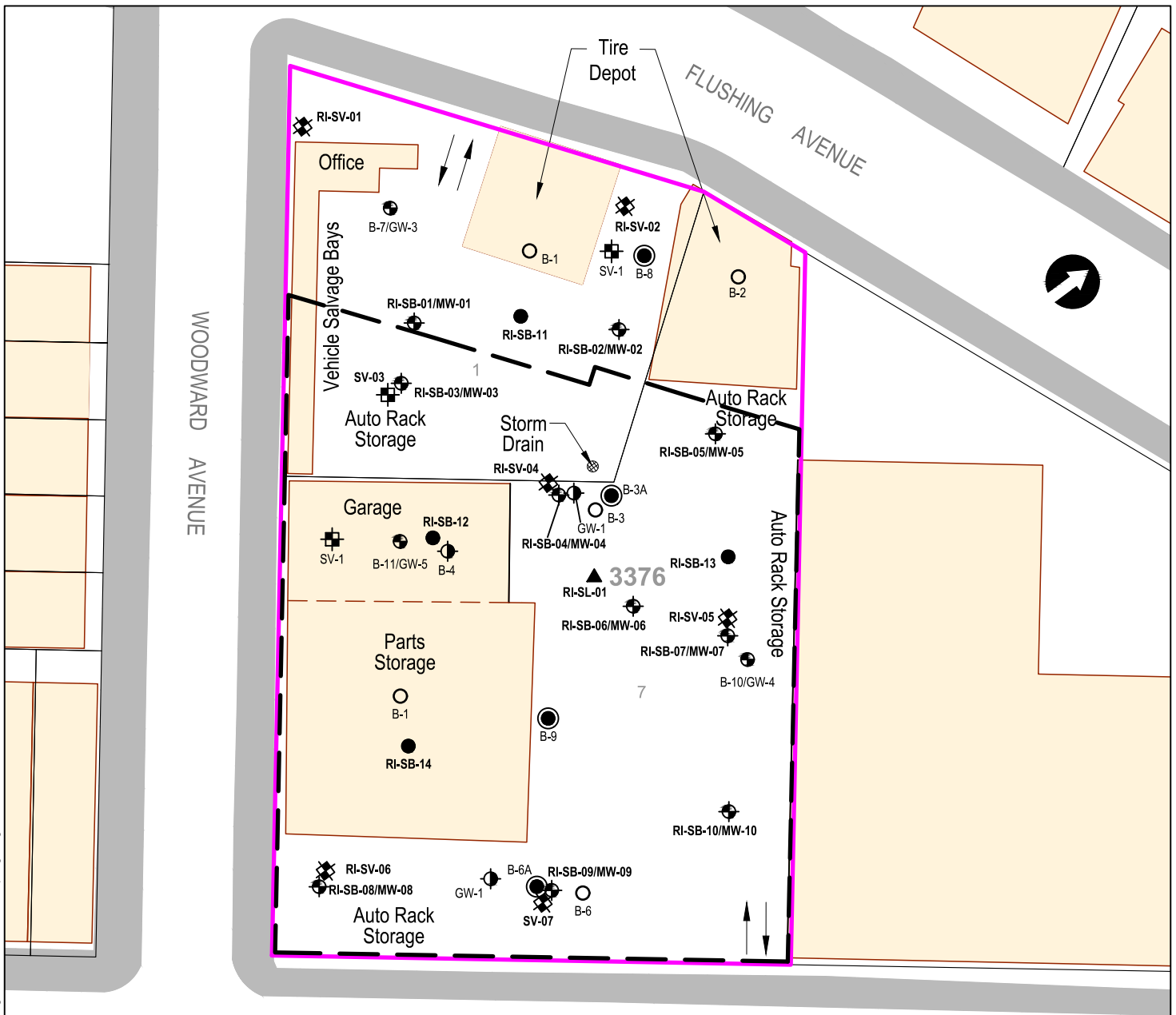
3/19/2019

PROJECT NO.

180291

FIGURE

1

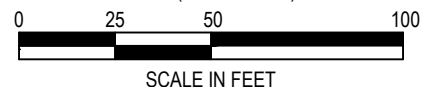


LEGEND

- BCP PROJECT SITE BOUNDARY
- 7 LOT BOUNDARY AND TAX LOT NUMBER
- 3376** TAX BLOCK NUMBER
- BUILDING
- PROPOSED NEW BUILDING OUTLINE
- PREVIOUS SOIL BORING (ENVIRONMENTAL CONSULTANTS CORPORATION - JUNE 2018)
- PREVIOUS SOIL VAPOR SAMPLE (ENVIRONMENTAL CONSULTANTS CORPORATION - JUNE 2018)

- PREVIOUS GROUNDWATER SAMPLE (ENVIRONMENTAL CONSULTANTS CORPORATION - JUNE 2018)
- AKRF SUPPLEMENTAL SOIL BORING LOCATION (SEPT 2018)
- AKRF SUPPLEMENTAL SOIL BORING AND TEMPORARY GROUNDWATER WELL LOCATION (SEPT 2018)
- RI SOIL BORING (MARCH 2019)
- RI SOIL BORING WITH MONITORING WELL (MARCH 2019)
- RI SOIL VAPOR POINT (MARCH 2019)
- RI SLUDGE SAMPLE LOCATION (MARCH 2019)

Map Source:
NYC DCP (NYC Dept. of City Planning) GIS database



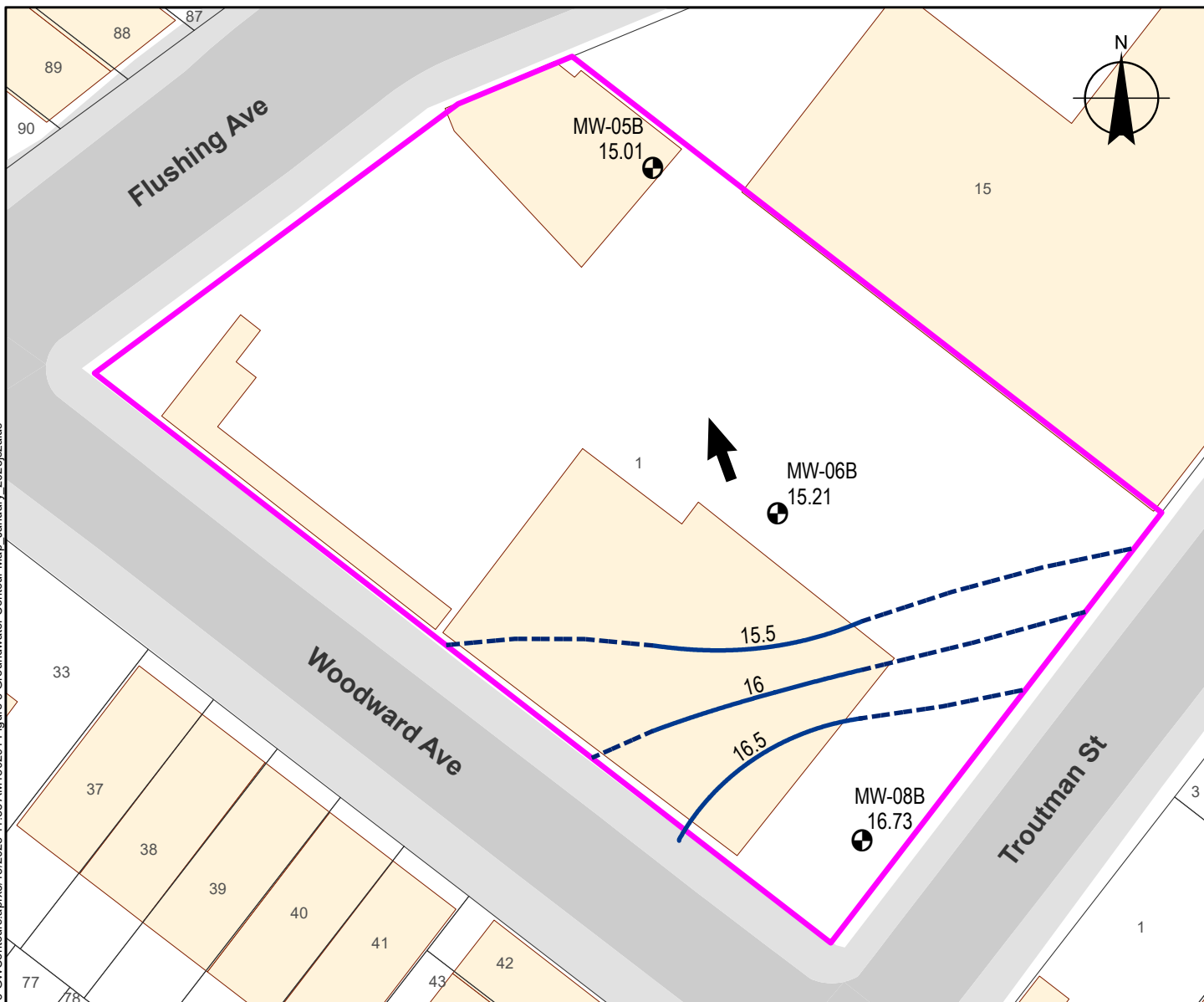
440 Park Avenue South, New York, NY 10016

Queens Animal Shelter and Care Center
151 Woodward Avenue
Queens, New York

BCP SITE AND SAMPLE LOCATION PLAN

DATE 4/9/2019
PROJECT NO. 180291
FIGURE 2

AKRF \\P\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\GWContours\180291 Figure 3 GWContours.aprx3/18/2025 11:58 AM180291 Figure 3 Groundwater Contour Map January 2025jszslus



LEGEND

- BCP SITE BOUNDARY
- EXISTING BUILDING
- LOT BOUNDARY AND TAX LOT NUMBER



GROUNDWATER FLOW DIRECTION



POST-REMEDIAL MONITORING WELL
LOCATION AND ID WITH ELEVATION IN FEET



MONITORING WELL WATER TABLE ELEVATION
IN FEET (NAVD 88)



INFERRED WATER TABLE ELEVATION IN FEET
(NAVD 88)

Monitoring Well	Top of Cap Elevation (ft.)	Top of Casing Elevation (ft.)	Depth to Water (ft. bgs)	Depth to Bottom (ft. bgs)	Groundwater Elevation (ft.)
MW-05B	27.50	27.11	12.10	15.99	15.01
MW-06B	27.79	27.25	12.04	15.90	15.21
MW-08B	27.73	27.45	10.72	15.20	16.73



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151 Woodward Avenue,
Queens, New York

GROUNDWATER ELEVATION CONTOURS
JANUARY 2025

DATE

3/18/2025

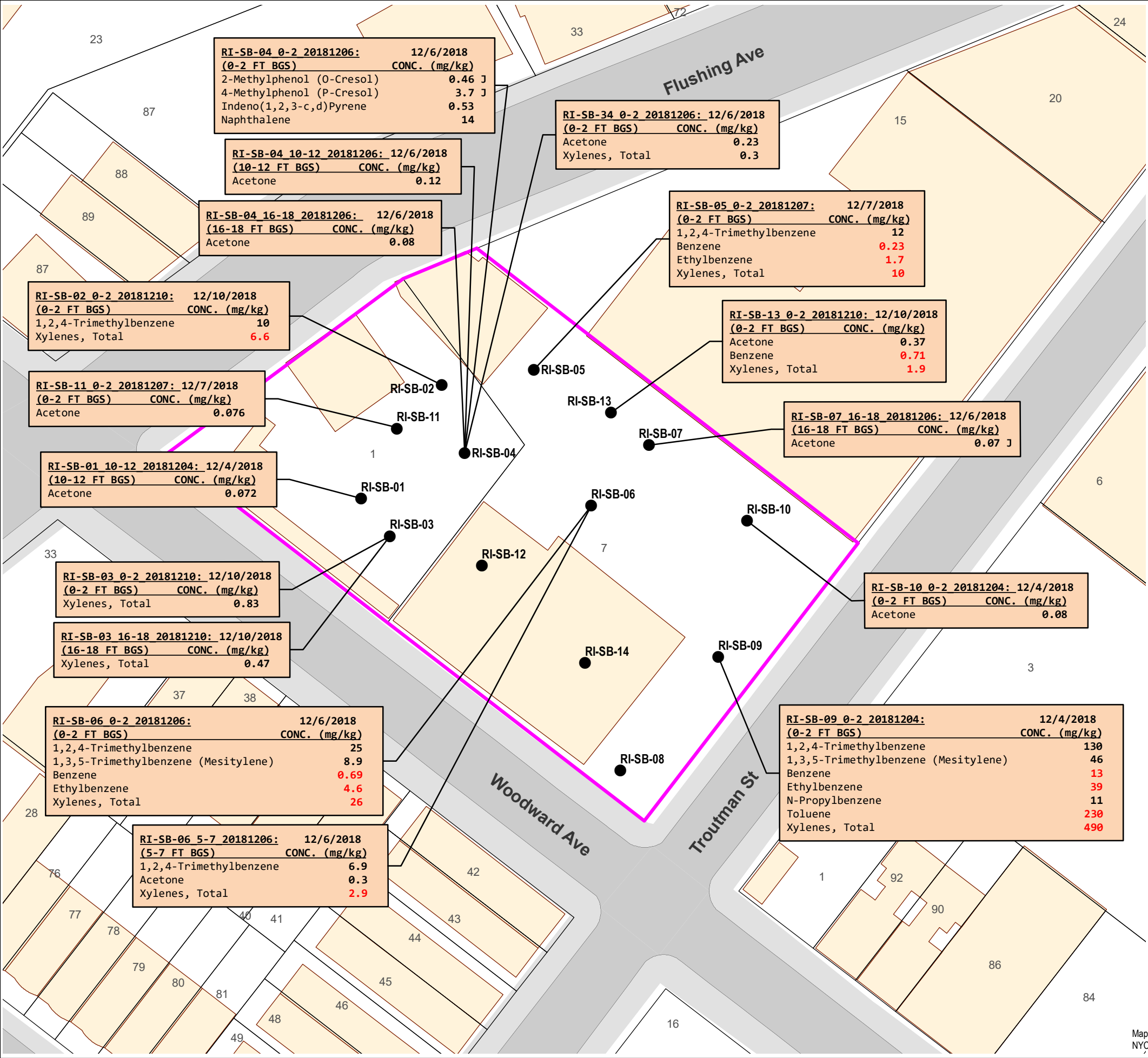
PROJECT NO.

180291

FIGURE

3

© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RI\180291_Fig 4a Soil Sample Concentrations RI VOC & SVOC.mxd 5/31/2019 10:11:52 AM isalus



LEGEND

- BCP PROJECT SITE BOUNDARY
- SOIL BORING LOCATION
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING

	Part 375 Protection of Groundwater (mg/kg)	Part 375 Unrestricted (mg/kg)
Volatile Organic Compounds		
1,2,4-Trimethylbenzene	NA	3.6
1,3,5-Trimethylbenzene (Mesitylene)	NA	8.4
Acetone	0.05	0.05
Benzene	0.06	0.06
Ethylbenzene	1	1
N-Propylbenzene	NA	3.9
Toluene	0.7	0.7
Xylenes	1.6	0.26
Semivolatile Organic Compounds		
2-Methylphenol (O-Cresol)	NA	0.33
4-Methylphenol (P-Cresol)	NA	0.33
Indeno(1,2,3-c,d)Pyrene	NA	0.5
Naphthalene	NA	12

"NA" = Not Applicable. Only contaminants of concern that exceeded AWQSGVs in groundwater were compared to PGWSCOs.

Ambient Water Quality Standards and Guidance Values (AWQSGVs)
Unrestricted Use Soil Cleanup Objectives (UUSCOs)
Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)
Commercial Soil Cleanup Objectives (CSCOs)

SOIL

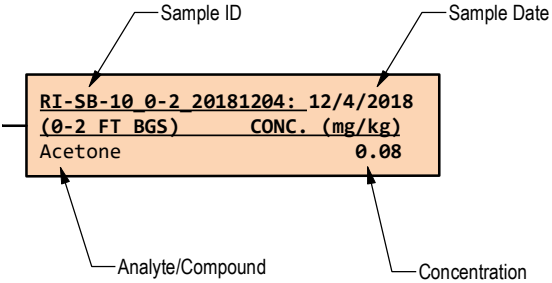
Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of UUSCOs are in bold font.
Exceedances of UUSCOs and PGWSCOs are in red font.
There are no Exceedances of CSCOs

mg/kg: milligrams per kilogram = parts per million (ppm)

J: The concentration given is an estimated value.

RI-SB-34_0-2_20181206 is a blind duplicate of sample RI-SB-04_0-2_20181206



Map Source:
NYCDP (NYC Dept. of City Planning) GIS database

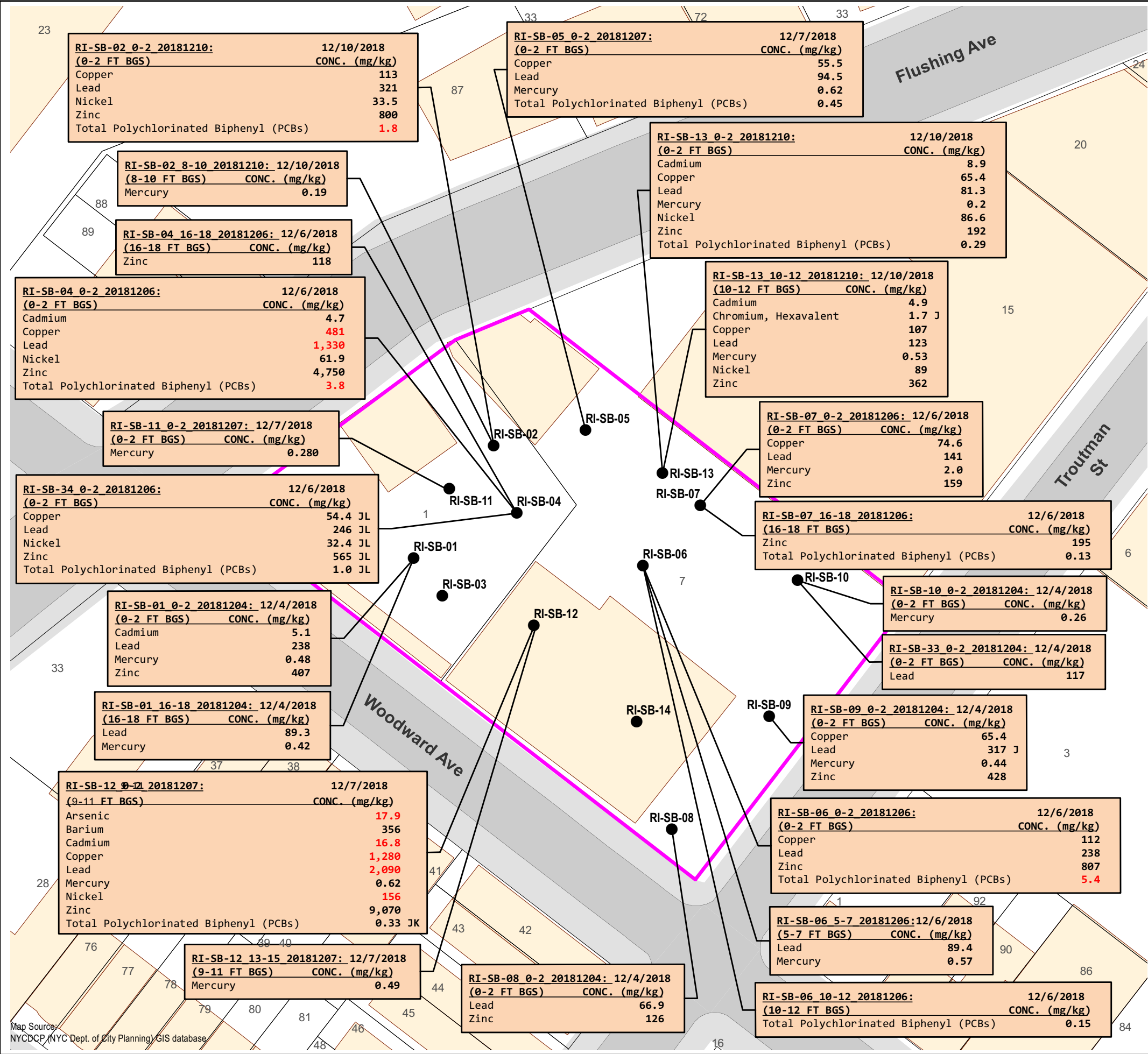
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RI and SRI Soil Sample Concentrations Above UUSCOs and PGWSCOs – VOCs and SVOCs

DATE	5/31/2019
PROJECT NO.	180291
FIGURE	4A

© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hanna\RI\180291_Fig 4b Soil Sample Concentrations RI Metal PCB_Pest.mxd 3/29/2019 5:19:55 PM iszalus



LEGEND

- BCP PROJECT SITE BOUNDARY
- SOIL BORING LOCATION
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING

	Part 375 Unrestricted Use (mg / kg)	Part 375 Commercial (mg / kg)
Metals		
Arsenic	13	16
Barium	350	400
Cadmium	2.5	9.3
Chromium, Hexavalent	1	400
Copper	50	270
Lead	63	1,000
Mercury	0.18	2.8
Nickel	30	310
Zinc	109	10,000
PCBs		
Total Polychlorinated Biphenyl (PCBs)	0.1	1

Unrestricted Use Soil Cleanup Objectives (UUSCOs)

SOIL

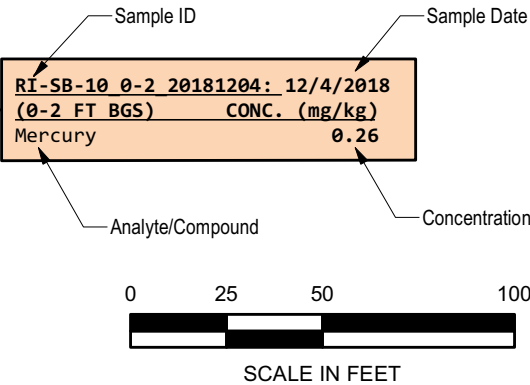
Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of UUSCOs are in bold font.
Exceedances of UUSCOs and CSCOs are in red font.

mg/kg:milligrams per kilogram = parts per million (ppm)

J: The concentration given is an estimated value.
L: Sample result is biased low.
K: Reported concentration value is proportional to dilution factor and may be exaggerated

RI-SB-33_0-2_20181204 is a blind duplicate of sample RI-SB-10_0-2_20181204
RI-SB-34_0-2_20181206 is a blind duplicate of sample RI-SB-04_0-2_20181206



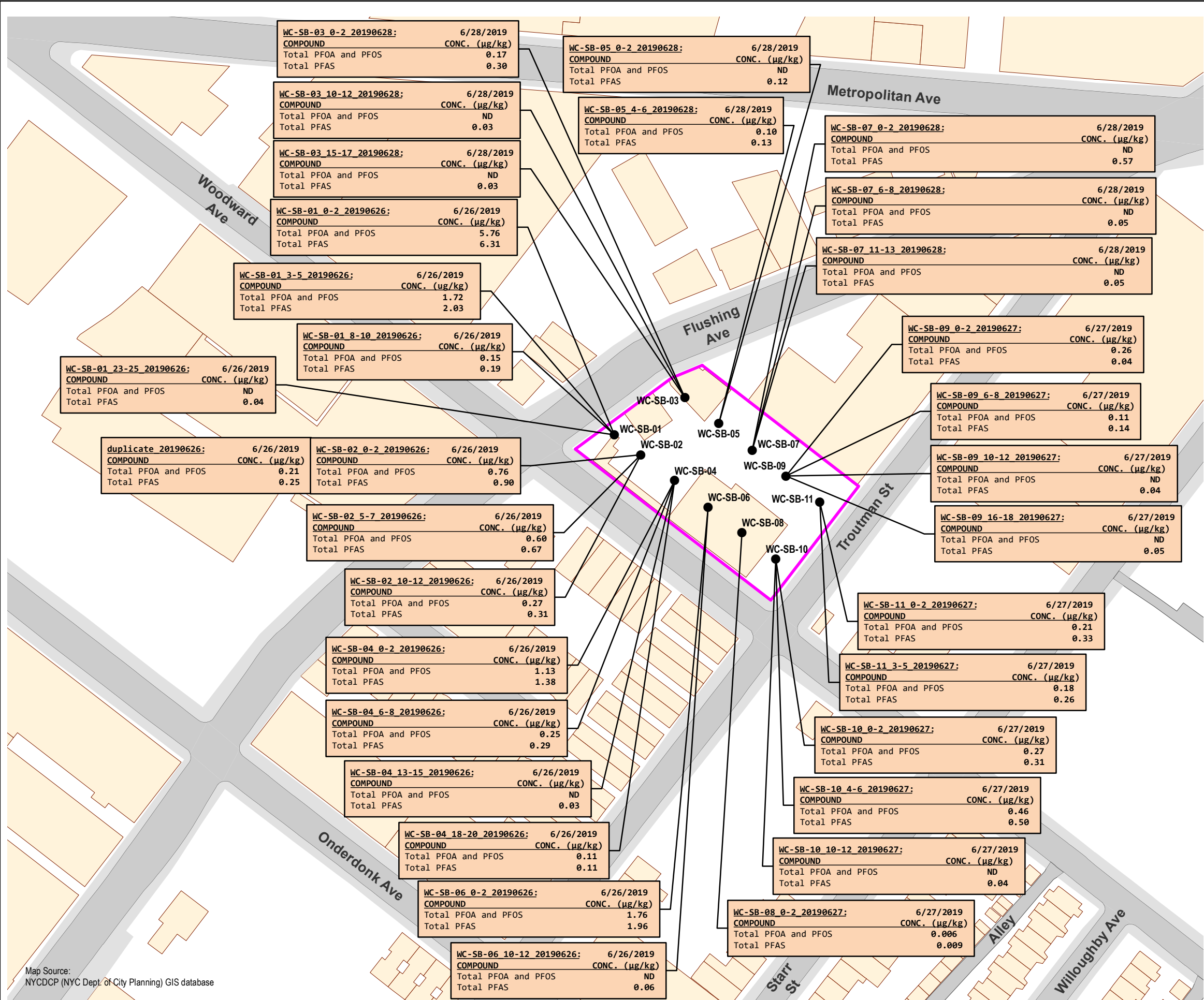
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RI and SRI Soil Sample Concentrations Above
UUSCOs and CSCOs - Metals, PCBs, and Pesticides

DATE	3/29/2019
PROJECT NO.	180291
FIGURE	4B

© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RI\180291_Fig 5 Soil Sample PFAS and 1,4-Dioxane Concentrations.mxd 9/30/2019 10:21:32 AM iszalus



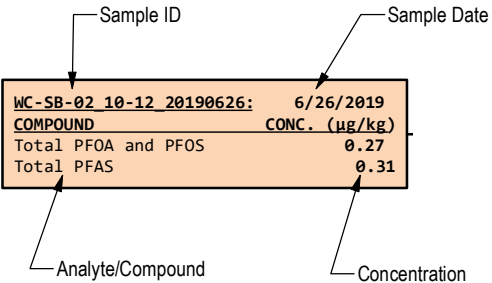
LEGEND

- BCP PROJECT SITE BOUNDARY
- SOIL BORING LOCATION
- BUILDING

SOIL

PFOA: Perfluorooctanoic acid
PFOS: Perfluorooctanesulfonic acid
PFAS: Per- and polyfluoroalkyl substances

µg/kg: micrograms per kilogram = parts per billion (ppb)
ND: Not Detected



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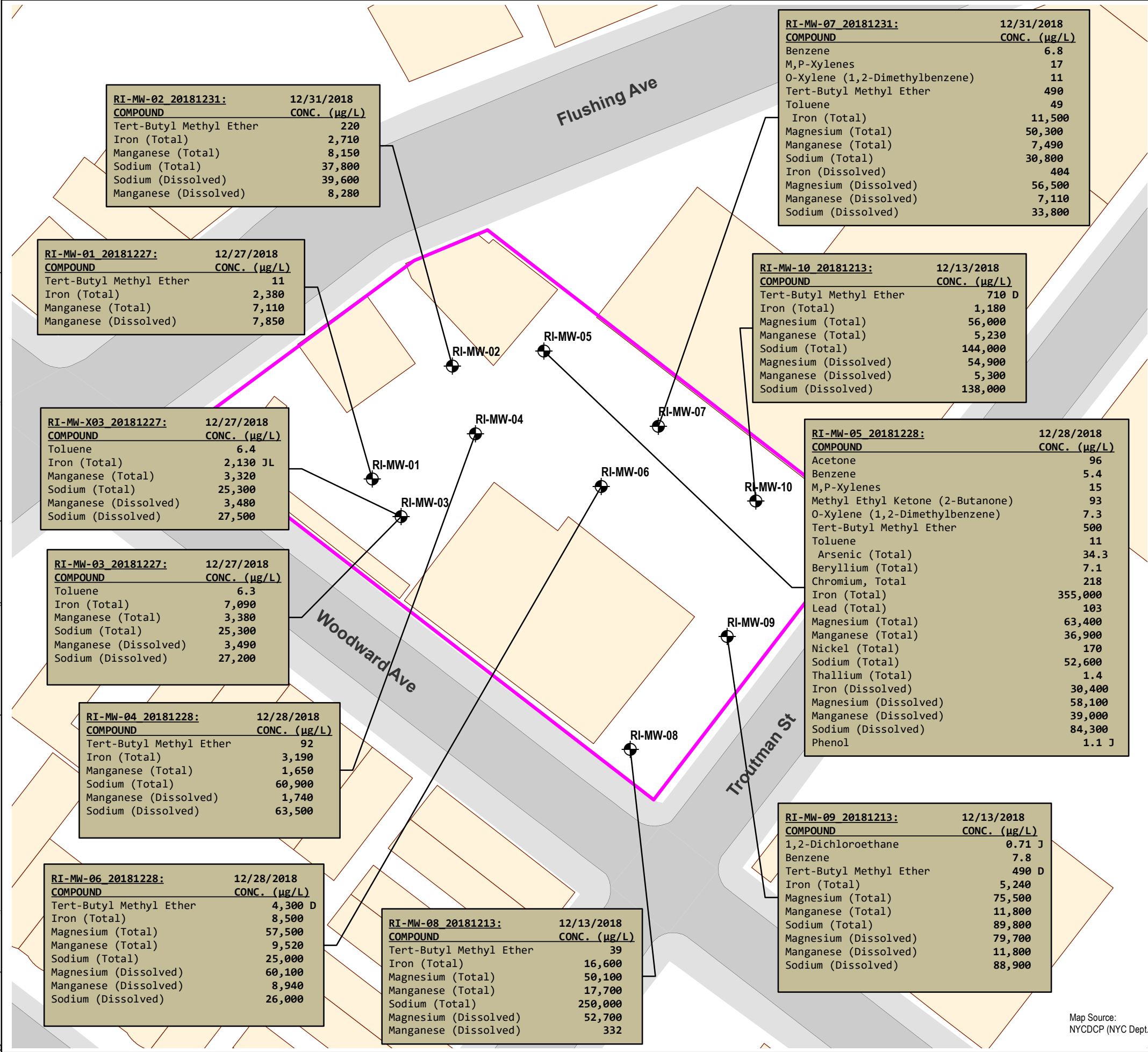
DATE
9/30/2019

PROJECT NO.
180291

FIGURE
4C

RI AND SRI SOIL SAMPLES PFAS AND 1,4-DIOXANE CONCENTRATIONS

© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RI\RI180291_Fig 6 Groundwater Sample Concentrations Above AWQSGV.mxd 9/23/2019 3:42:18 PM iszlus



LEGEND

- PROJECT SITE BOUNDARY
- MONITORING WELL LOCATION
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING

NYSDEC AWQSGV:
New York State Department of Environmental Conservation (NYSDEC)
Technical and Operational Guidance Series (TOGS) (1.1.1):
Class GA Ambient Water Quality Standards and Guidance Values (AWQSGV)

µg/L : micrograms per Liter = parts per billion (ppb)

Exceedances of NYSDEC AWQSGV are shown in bold font.

J: The concentration given is an estimated value.
D : Analyte concentration obtained from dilution.
L: Sample result is estimated and biased low.

RI-MW-X03_20181227 is a blind duplicate of sample RI-MW-03_20181227

Volatile Organic Compounds

1,2-Dichloroethane	0.6
Acetone	50
Benzene	1
M,P-Xylenes	5
Methyl Ethyl Ketone (2-Butanone)	50
O-Xylene (1,2-Dimethylbenzene)	5
Tert-Butyl Methyl Ether	10
Toluene	5

Semivolatile Organic Compounds

Phenol	1.0

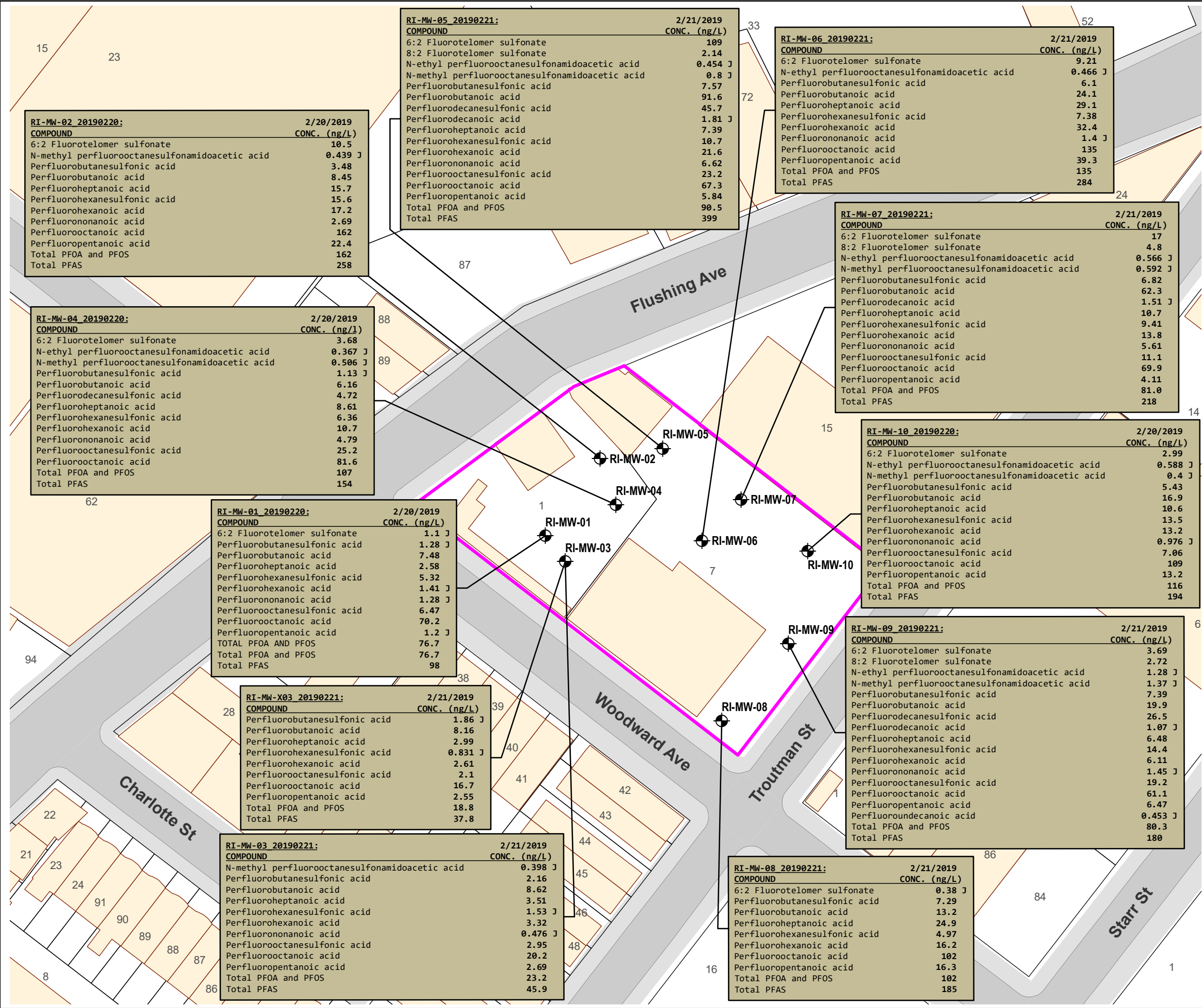
Metals

Arsenic	25
Beryllium	3
Chromium, Total	50
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Nickel	100
Sodium	20,000
Thallium	0.5

Map Source:
NYCDP (NYC Dept. of City Planning) GIS database

Scale: 0 25 50 100
SCALE IN FEET

© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RI\180291_Fig 7 Groundwater Sample PFAS and 1,4-Dioxane Concentrations.mxd 10/18/2019 12:02:11 PM iszalus



LEGEND

- BCP PROJECT SITE BOUNDARY
- MONITORING WELL LOCATION
- BUILDING
- LOT BOUNDARY

GROUNDWATER

ng/L - nanograms per Liter = parts per trillion (ppt)

J: Analyte concentration obtained from dilution.

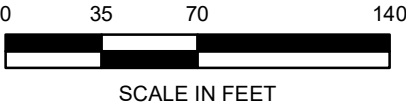
PFAS: Per- and polyfluoroalkyl substances

PFOA: Perfluorooctanoic acid

PFOS: Perfluorooctanesulfonic acid

RI-MW-X03_20190221 is a blind duplicate of sample RI-MW 03_20190221

Sample ID	Sample Date
RI-MW-08 20190221:	2/21/2019
COMPOUND	CONC. (ng/L)
6:2 Fluorotelomer sulfonate	0.38 J
Perfluorobutanesulfonic acid	7.29
Perfluorobutanoic acid	13.2
Perfluoroheptanoic acid	24.9
Perfluorohexanesulfonic acid	4.97
Perfluorohexanoic acid	16.2
Perfluorooctanoic acid	102
Perfluoropentanoic acid	16.3
Total PFOA and PFOS	102
Total PFAS	185
Analyte/Compound	Concentration



Map Source:
NYCDP (NYC Dept. of City Planning) GIS database

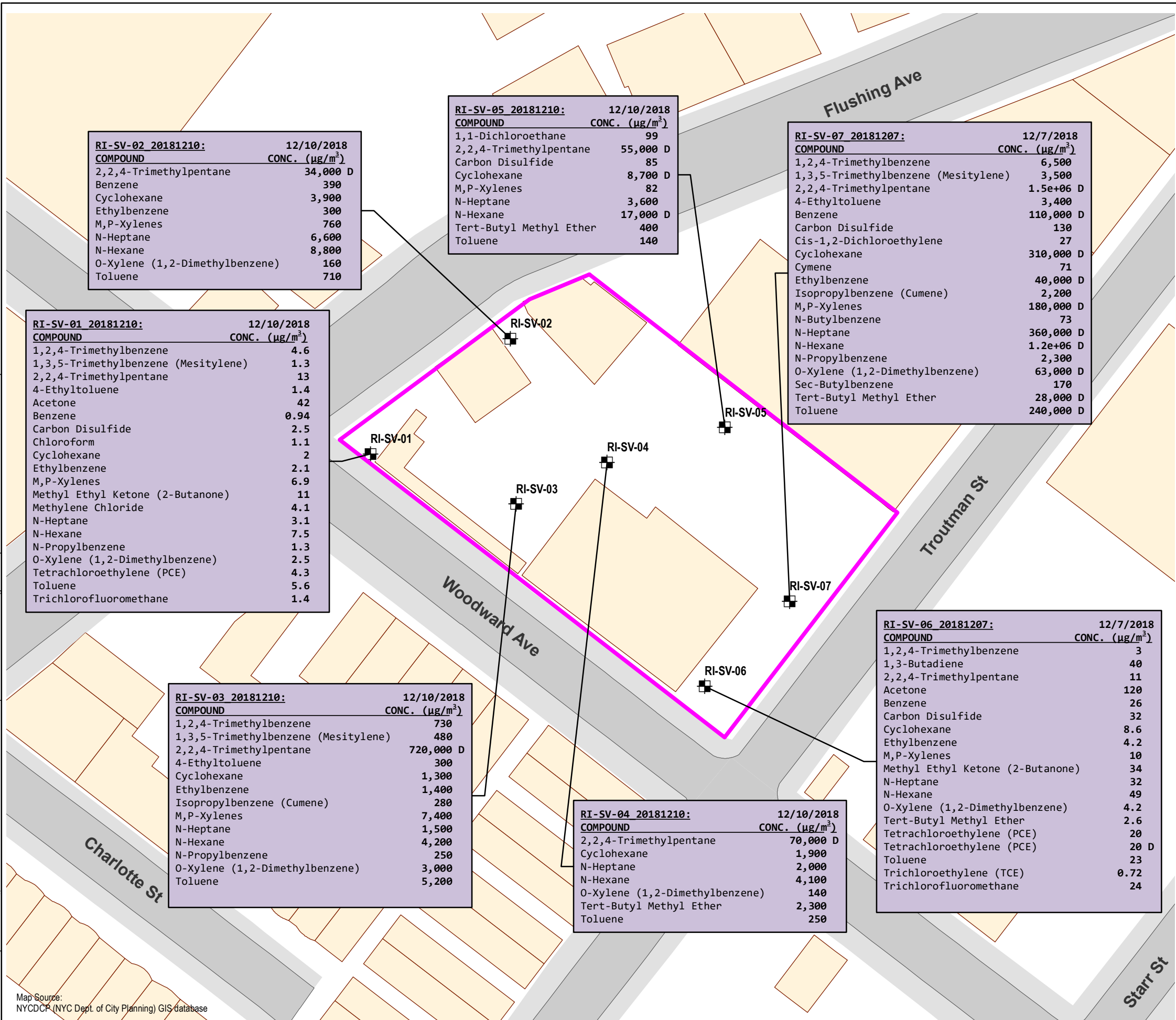
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DATE
10/18/2019
PROJECT NO.
180291
FIGURE
5B

**RI AND SRI PFAS AND 1,4-DIOXANE GROUNDWATER
SAMPLE CONCENTRATIONS**



© 2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RI\180291_Fig 8 Soil Vapor Concentrations.mxd/23/2019 3:38:54 PM iszalus



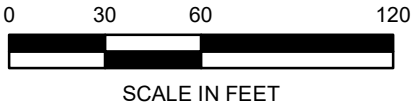
LEGEND

- BCP PROJECT SITE BOUNDARY
- SOIL VAPOR SAMPLE LOCATIONS
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING

Sample ID		Sample Date	
RI-SV-04 20181210:		12/10/2018	
COMPOUND		CONC. (µg/m³)	
2,2,4-Trimethylpentane		70,000 D	
Cyclohexane		1,900	
N-Heptane		2,000	
N-Hexane		4,100	
O-Xylene (1,2-Dimethylbenzene)		140	
Tert-Butyl Methyl Ether		2,300	
Toluene		250	
Analyte/Compound		Concentration	

SOIL VAPOR

µg/m³- micrograms per cubic meter
D: Analyte concentration obtained from dilution.



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RI AND SRI SOIL VAPOR SAMPLE CONCENTRATIONS

DATE
9/23/2019
PROJECT NO.
180291
FIGURE
6

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Post Excavation Documentation Soil Sample Concentrations
Above NYSDEC CSCOs and/or PGWSCOs

DATE	9/22/2023
PROJECT NO.	180291
FIGURE	7

-  BCP PROJECT SITE BOUNDARY
-  LOT BOUNDARY AND TAX LOT NUMBER
-  BUILDING
-  BOTTOM DOCUMENTATION SAMPLE LOCATION
-  SIDEWALL DOCUMENTATION SAMPLE LOCATION

Part 375 Soil Cleanup Objectives:
Soil Clean-up Objectives listed in New York State
Department of Environmental Conservation
(NYSDEC) ; Part 375; Regulations
(6 NYCRR Part 375).

Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)
Commercial Soil Cleanup Objectives (CSCOs)

Exceedances of CCSCOs are in bold font.
Exceedances of PGWSCOs are underlined.

mg/kg: milligrams per kilogram = parts per million (ppm)

J: The concentration given is an estimated value.
L: Sample result is estimated and biased low.

µg/m³- micrograms per cubic meter

	PART 375 COMMERCIAL	PART 375 PROTECTION OF GROUNDWATER
	mg/kg	mg/kg
Volatile Organic Compounds		
Acetone	500	NA
Methyl Ethyl Ketone (2-Butanone)	500	0.12
Semivolatile Organic Compounds		
4-Methylphenol (P-Cresol)	500	NA
Benzo(a)Anthracene	5.6	NA
Benzo(a)Pyrene	1	NA
Benzo(b)Fluoranthene	5.6	NA
Benzo(k)Fluoranthene	56	NA
Chrysene	56	NA
Dibenz(a,h)Anthracene	0.56	NA
Indeno(1,2,3-c,d)Pyrene	5.6	NA
Metals		
Cadmium	9.3	NA
Copper	270	NA
Lead	1000	NA
Mercury	2.8	NA
PCBs		
Total PCBs	1	NA

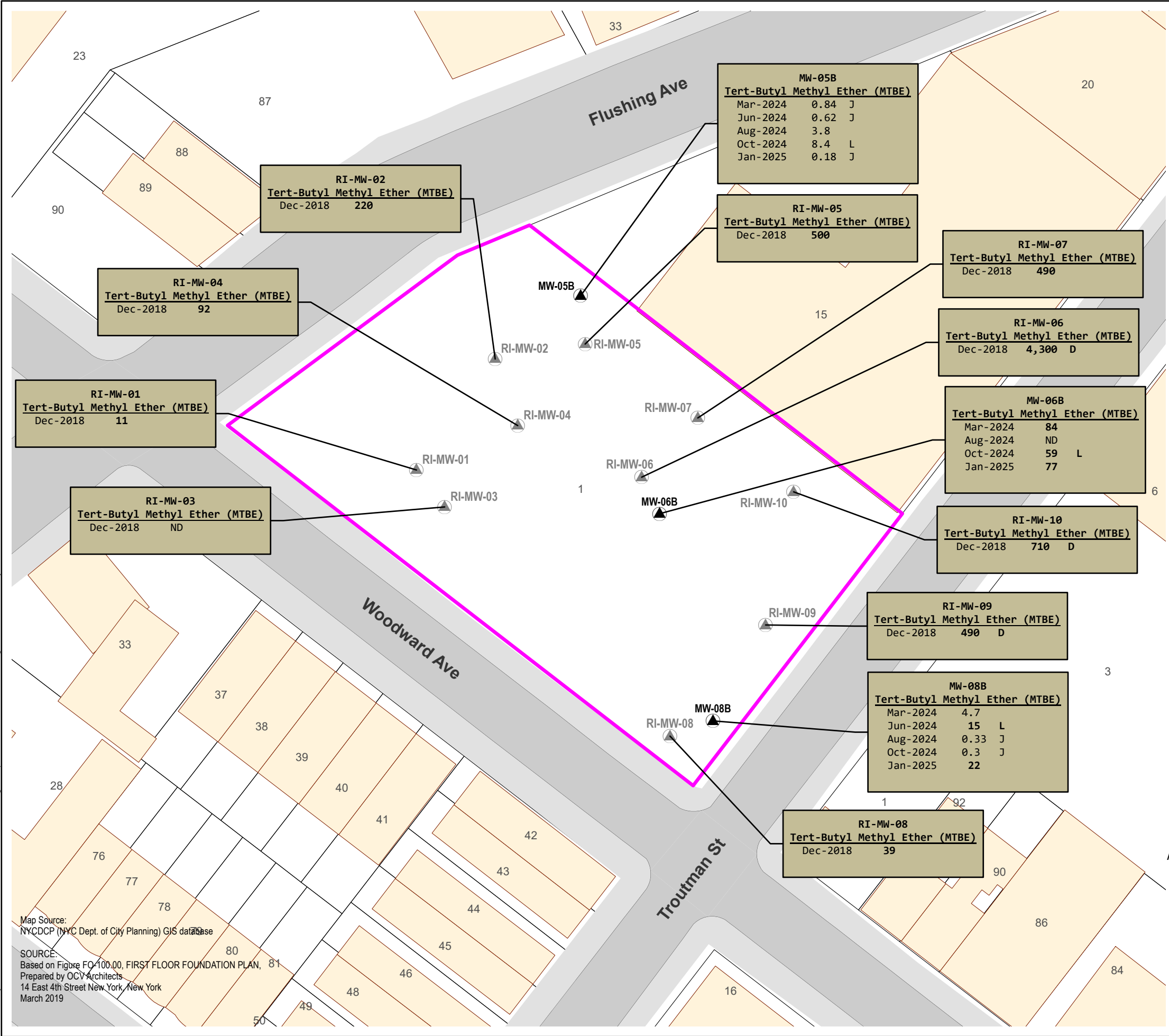
The diagram shows a rectangular label with an orange background and a black border. The label contains the following text:

<u>SW-04_3</u>	<u>20200501:</u>	5/1/2020
(3-3 FT BGS)	CONC. (mg/kg)	
Copper		927

Arrows point from the following labels to the corresponding fields in the data label:

- Sample ID points to SW-04_3
- Sample Date points to 20200501:
- Concentration points to CONC. (mg/kg)
- Analyte/Compound points to Copper

AKRF 0:\Projects\180291 - QUEENS ANIMAL SHELTER\SAR\PRR Figures.aprx 3/18/2025 4:19 PM\180291_Fig 8 Benzene over time 1szalus



LEGEND

- BCP PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- BUILDING
- POST REMEDIATION MONITORING WELL
- PEVIOUS MONITORING WELLS (2018)

NYSDEC AWQSGV:

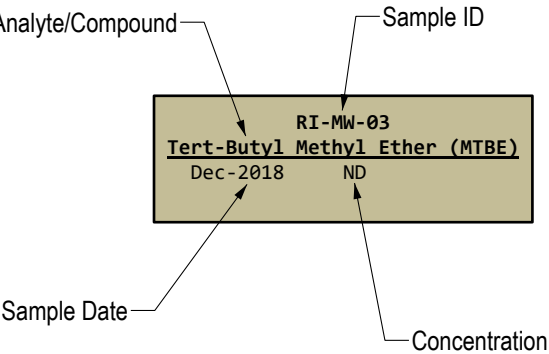
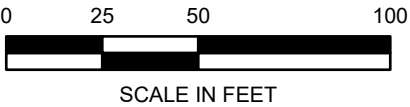
New York State Department of Environmental Conservation (NYSDEC)
Technical and Operational Guidance Series (TOGS)
(1.1.1):
Class GA Ambient Water Quality Standards and Guidance Values (AWQSGV)

µg/L : micrograms per Liter = parts per billion (ppb)

Exceedances of NYSDEC AWQSGV are shown in bold font.

J: The concentration given is an estimated value.
D : Analyte concentration obtained from dilution.
L: Sample result is estimated and biased low.

NYSDEC AWQSGVs	
µg/l	
Volatile Organic Compounds	
Tert-Butyl Methyl Ether (MTBE)	10



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Post-Remedial Groundwater Sample Concentrations Above NYSDEC AWQSGVs

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PROJECT NO.
180291
FIGURE
8

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LEGEND

BCP PROJECT SITE BOUNDARY

MANIFOLD/RISER SLAB PENETRATION
(RISER 6" GALVANIZED STEEL PIPE)

SOLID 4" SCHEDULE 40 PVC PIPE

SLOTTED 4" SCHEDULE 40 PVC PIPE WITH PVC END CAP

EXTENT OF VAPOR BARRIER

PIPE SLEEVE THROUGH FOUNDATION ELEMENT

COMMUNICATION SLEEVE

MONITORING POINT

Source:
OCV Architects "First Floor Foundation Plan", Dated 03-04-2019.



TROUTMAN STREET

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AS-BUILT SSDS PIPING LAYOUT



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DATE
9/8/2023

PROJECT NO.
180291

FIGURE
9

©2019 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hazmat\RAWP\180291_Fig 13 Biosparge Treatment System Wells.mxd 6/14/2019 11:13:21 AM mvelieux



LEGEND

- BCP PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- MTBE CONCENTRATION ISOCONTOURS
- PERMANENT GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION
- DISCHARGE TREATMENT WELL WITH 10' RADIUS OF INFLUENCE
- WASTE CLASSIFICATION GRID

NOTE:
Methyl Tert Butyl Ether (MTBE) contours are shown in µg/L.



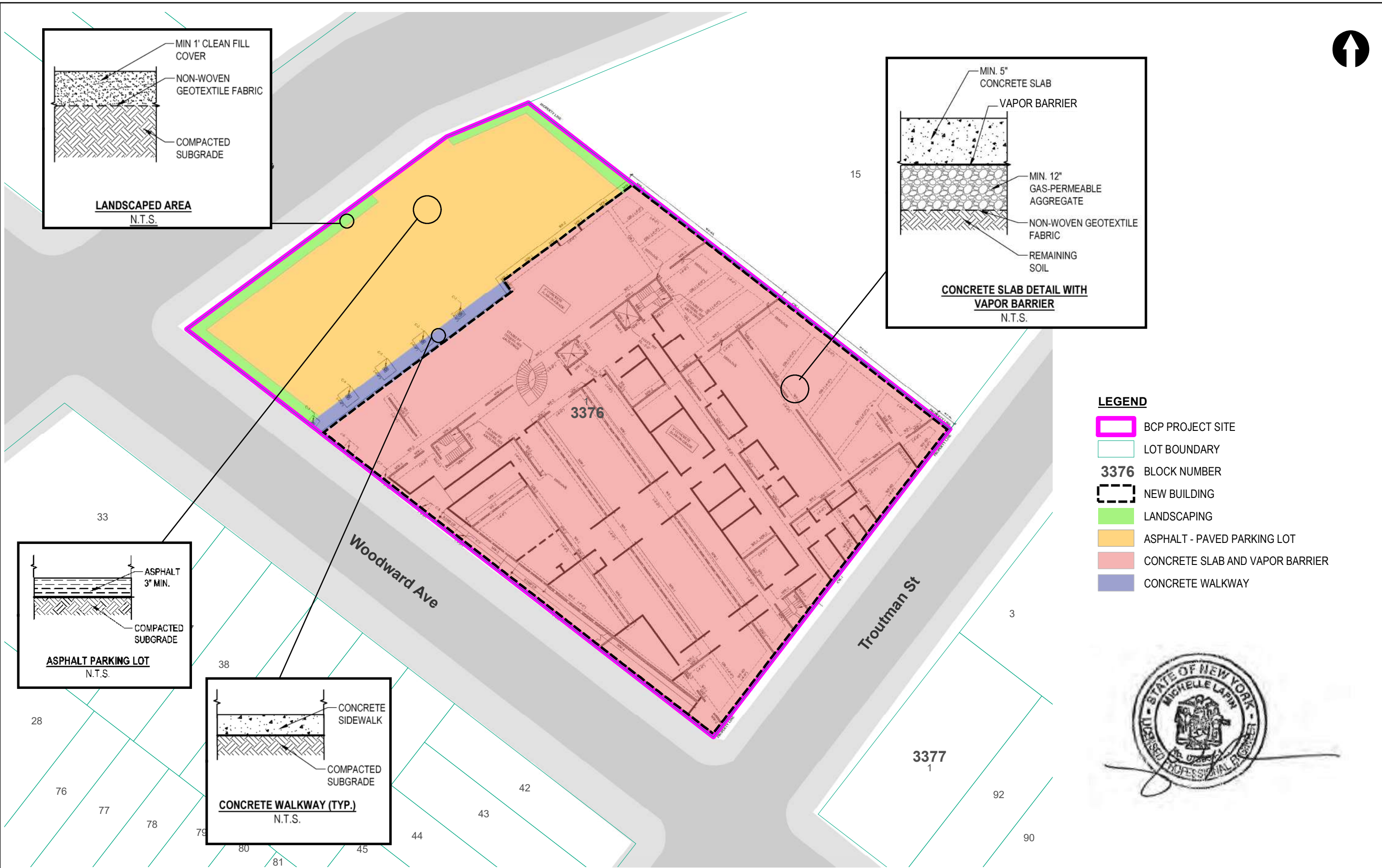
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AS-BUILT BIOSPARGE TREATMENT SYSTEM WELLS

DATE	10/3/2023
PROJECT NO.	180291
FIGURE	10

© 2023 AKRF W:\Projects\180291 - QUEENS ANIMAL SHELTER\Technical\GIS and Graphics\Hatch\180291 Fig 12 As-Built Site-Wide Cover System.mxd 09/22/2023 2:21:57 PM jszalus



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151 Woodward Avenue
Queens, New York

AS-BUILT SITE-WIDE COVER SYSTEM

AKRF
440 Park Avenue South, New York, NY 10016

DATE	10/3/2023
PROJECT NO.	180291
FIGURE	11

SOURCE:
Based on Figure FO-100.00, FIRST FLOOR FOUNDATION PLAN,
Prepared by OCV Architects
14 East 4th Street New York, New York
March 2019

APPENDIX A
PHOTOGRAPHIC LOG



Photograph 1: Biosparge control panel.



Photograph 2: Biosparge Manifold.



Photograph 3: Biosparge Compressor.



Photograph 4: SSDS manifold and accessories.



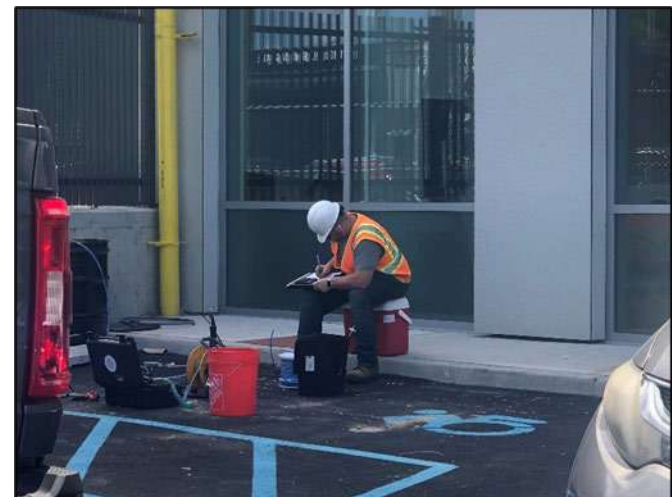
Photograph 9: SSDS control panel.



Photograph 10: SSDS Blower.



Photograph 11: Collecting SSDS monitoring point readings.



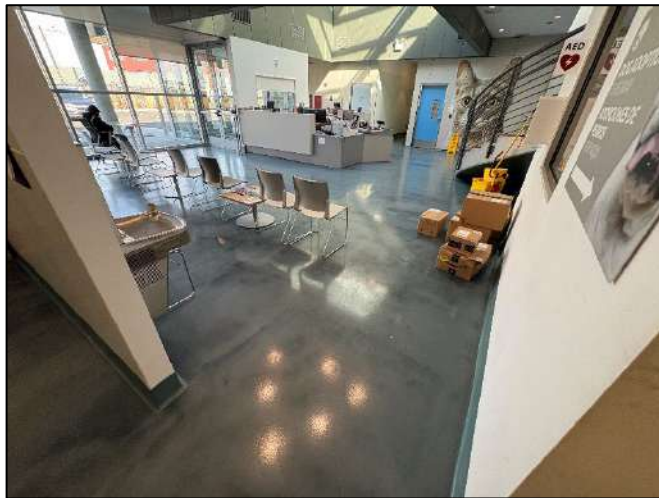
Photograph 12: Groundwater monitoring and sample collection.



Photograph 1: Central hallway.



Photograph 2: Dog behavioral room.



Photograph 3: First-floor lobby.



Photograph 4: The parking lot at the front of the building.

APPENDIX B
SITE-WIDE INSPECTION LOG

Annual Site-Wide Inspection**Overview of Annual Site-Wide Inspection requirements:**

- 1) General Site conditions at time of inspection;
- 2) SMP-related Site Activities being conducted, upcoming SMP-related tasks;
- 3) Institutional Control (IC) Checklist (SMP, FMP maintained on-Site, routine SMP tasks being conducted);
- 4) Evaluation of Engineering Controls; and
- 5) Site Documentation.

1) General Site conditions at time of inspection:

NAME: Michael Bates	DATE: March 11, 2024
TIME: 09 - 1600	WEATHER: 39 – 50 deg F, clear
Annual Inspection or Emergency Inspection (if emergency, specify nature)? Annual Inspection	

Notes: _____

2) Are any SMP-related site activities currently being conducted (SSDS and Biosparge Operation)?

☒ YES ☐ NO

Notes/Details:

SSDS & Biosparge system operational. GW sampling and IC/EC inspection.

3) IC Checklist (SMP maintained on-Site, routine SMP tasks being conducted)

<i>Copy of SMP on-Site?</i>	☒ YES ☐ NO
<i>Building Use Still Consistent with SMP (Restricted Residential)?</i>	☒ YES ☐ NO

Have the required SMP tasks been conducted during the reporting period?SSDS inspections/monitoring ☒ YES ☐ NOBiosparge system monitoring ☒ YES ☐ NOQuarterly groundwater monitoring/sampling ☒ YES ☐ NONotes: _____

_____**4) Evaluation of ECs**

Environmental Control Type: Biosparge System	
Is the biosparge system currently operating?	☒ YES ☐ NO
If no, describe reason/alarm condition(s):	
Are the various gauges and components of system and the digital control panel clean?	☒ YES ☐ NO
Have any problems occurred that require corrective action to the treatment system components or manifold?	☒ YES ☐ NO
If yes, describe: Building has experiences multiple power-related issues requiring EC restarts.	

Biosparge System operations have also been documented using the applicable inspections logs (see attached) that will be provided as part of the PRR.

Notes: See PRR Appendix

Environmental Control Type: Active SSDS	
Are there any unusual odors, spills or leaks near the SSDS piping in the basement? If yes, describe source and plans for repair:	☐ YES ☒ NO
Are the above grade components of the SSDS clean?	☒ YES ☐ NO
Is the SSDS blower running? If yes, describe:	☒ YES ☐ NO
Any evidence of SSDS piping tampering, vandalism or damage on the SSDS piping or system components? If yes, describe:	☐ YES ☒ NO

Notes: _____

Environmental Control Type: Composite Cover System	
Is the composite cover system intact?	☒ YES ☐ NO
If there are significant cracks/breaks/openings, describe the size and location: _____ _____ _____	
Are corrective actions required to address the condition of the composite cover system?	☐ YES ☒ NO
If yes, describe: _____ _____ _____	

The condition of the composite cover system is being documented in this inspection log, which will be provided as part of the PRR.

Notes: Cover System shows no sign of cracking or distress and appears to be in good condition.

5) Site documentation

Including updates regarding notification to NYSDEC regarding any changes to Site conditions/operations, routine reporting to NYSDEC, etc.).

Notes: _____

Annual Site-Wide Inspection**Overview of Annual Site-Wide Inspection requirements:**

- 1) General Site conditions at time of inspection;
- 2) SMP-related Site Activities being conducted, upcoming SMP-related tasks;
- 3) Institutional Control (IC) Checklist (SMP, FMP maintained on-Site, routine SMP tasks being conducted);
- 4) Evaluation of Engineering Controls; and
- 5) Site Documentation.

1) General Site conditions at time of inspection:

NAME: Michael Bates	DATE: 1/23/25
TIME: 0900 - 1600	WEATHER: Clear 23-32°F
Annual Inspection or Emergency Inspection (if emergency, specify nature)? Annual inspection	

Notes: _____

2) Are any SMP-related site activities currently being conducted (SSDS and Biosparge Operation)?

☒ YES

Notes/Details:

SSDS + Biosparge operation. GW Sampling. IC/EC
Inspection.

3) IC Checklist (SMP maintained on-Site, routine SMP tasks being conducted)

Copy of SMP on-Site?	☒ YES	☐ NO
Building Use Still Consistent with SMP (Restricted Residential)?	☒ YES	☐ NO

Have the required SMP tasks been conducted during the reporting period?

SSDS inspections/monitoring ☒ YESBiosparge system monitoring ☒ YESQuarterly groundwater monitoring/sampling ☒ YES ☐ NONotes: _____

4) Evaluation of ECs

Environmental Control Type: Biosparge System	
Is the biosparge system currently operating?	☒ YES ☐ NO
If no, describe reason/alarm condition(s):	
Are the various gauges and components of system and the digital control panel clean?	☒ YES ☐ NO
Have any problems occurred that require corrective action to the treatment system components or manifold?	☒ YES ☐ NO
If yes, describe: Building has experienced multiple power surges that have required EC restarts	

Biosparge System operations have also been documented using the applicable inspections logs (see attached) that will be provided as part of the PRR.

Notes: See p11 Appendix

Environmental Control Type: Active SSDS

Are there any unusual odors, spills or leaks near the SSDS piping in the basement?

☐ YES☒ NO

If yes, describe source and plans for repair:

Are the above grade components of the SSDS clean?

☒ YES☐ NO

Is the SSDS blower running?

☒ YES☐ NO

If yes, describe:

Any evidence of SSDS piping tampering, vandalism or damage on the SSDS piping or system components?

☐ YES☒ NO

If yes, describe:

Notes:

Environmental Control Type: Composite Cover System

Is the composite cover system intact?

☒ YES☐ NO

If there are significant cracks/breaks/openings, describe the size and location:

Are corrective actions required to address the condition of the composite cover system?

☐ YES☒ NO

If yes, describe:

The condition of the composite cover system is being documented in this inspection log, which will be provided as part of the PRR.

Notes:

Cover System Shows no signs of
Cracking or distress. Appears to be in good
condition

5) Site documentation

Including updates regarding notification to NYSDEC regarding any changes to Site conditions/operations, routine reporting to NYSDEC, etc.).

Notes:

APPENDIX C
QUARTERLY GROUNDWATER SAMPLING LOGS



Well Sampling Log

Job No: 180291	Client: NDEC	Well No:							
Project Location: 19-06 Flushing Ave	Sampled By: M Fleming								
Date: 3/11/24	Sampling Time: 1300								
LEL at surface: ND									
PID at surface: NJ									
Total Depth: 15.50	Water Column (WC): 5.92	0.00 feet							
Depth to Water: 9.58	Well Volume*: 0.965	0.00 gallons							
Depth to Product: NA	Volume Purged: 1.16	gallons							
Depth to top of screen: 5.50	Well Diam.: 2	inches							
Depth to bottom of screen: 15.50	Purging Device (pump type): QED	Target maximum flow rate is 100 ml/min							
Approx. Pump Intake: 12.54									
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1205	4.58	100	17.5	814	4.59	6.89	88.1	299.03	Silty brown pale water, no odor, no sheen
1208	4.58		17.5	816	4.14	6.89	86.1	264.33	
1214	4.58		17.5	819	3.92	6.90	89.4	192.31	
1219	4.58		17.5	824	3.86	6.89	92.3	184.22	
1225	4.58		17.5	832	3.14	6.88	98.6	86.64	
1230	4.58		17.5	833	3.08	6.88	101.8	64.04	
1235	4.58		17.5	829	2.69	6.88	102.9	45.55	
1240	4.58		17.6	826	2.19	6.88	104.2	44.04	
1245	4.58		17.6	829	2.04	6.88	105.3	41.59	
1249	4.58		17.6	827	1.93	6.88	106.1	42.52	
Sample @ 1300									
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Groundwater samples analyzed for: VOCs only - MS/MSD + DCP taken from well									



Well No. 2

Sampled By: M Fleming
Sampling Time: 1400

2

MW-06B

1

^{*}=0.163 ^{*} WC for 2" wells $\star = 0.653$ $\star$ WC for 4" wells

* = 1.469 * WC for 6" wells

Target maximum

flow rate is

100 ml/min

Comments

(problems, odor, sheen

with 1

msu9 k1118

Purple water

no sheet

1000

odor

size and/or turbidity is greater than 100 mg/L.

RTU within two hours, discontinued pumping and collect samples

Vot's only



Well Sampling Log

Job No:	180291	Client:	NYSDEC	Well No:	MW-08B				
Project Location:	19-06 Flushing Ave / Arcens Animal Shelter	Sampled By:	M Fleming						
Date:	3/11/24	Sampling Time:	0900						
LEL at surface:	ND								
PID at surface:	ND								
Total Depth:	15.15	Water Column (WC):	8.42	0.00 feet	*=0.163 * WC for 2" wells				
Depth to Water:	6.73	Well Volume*:	1.37	0.00 gallons	*=0.653 * WC for 4" wells				
Depth to Product:	NA	Volume Purged:		0.8 gallons	*=1.469 * WC for 6" wells				
Depth to top of screen:	5.15	Well Diam.:		2 inches					
Depth to bottom of screen:	15.15	Purging Device (pump type):	QED		Target maximum flow rate is 100 ml/min				
Approx. Pump Intake:	16.94								
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0815	6.73	10.0	17.8	1016	6.50	7.01	92.6	414.16	Silty brown / light brown water @ start - no odor no odor
0818	6.73		17.8	1015	6.12	6.99	95.8	280.66	
0820	6.73		17.8	1011	5.48	6.98	99.0	25.66	
0822	6.73		17.8	1010	5.47	6.98	99.1	25.57	
0823	6.73		17.8	1009	4.56	6.94	104.5	24.99	
0825	6.73		17.8	1008	4.57	6.95	105.0	23.97	
0830	6.73		17.8	1007	4.55	6.94	105.1	23.93	
0832	6.73		17.8	1012	4.56	6.95	105.2	22.93	
0835	6.73		17.8	1009	4.26	6.92	109.7	22.89	
0840	6.73		17.7	1010	4.29	6.93	109.9	21.37	
0845	6.73		17.7	1011	4.31	6.94	108.7	21.32	
	SAMPLE	0900							
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Groundwater samples analyzed for: VOCs only									

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MW-06B was dry



Well Sampling Log

Job No:				Client:				Well No:	
Project Location: <u>Queens Animal Shelter</u>				Sampled By: <u>MF</u>				<u>MW-08B</u>	
Date: <u>6/4/24</u>				Sampling Time: <u>1435</u>					
LEL at surface: <u>—</u>									
PID at surface: <u>NO</u>									
Total Depth: <u>15.08</u>		ft. below top of casing		Water Column (WC): <u>8.19</u>		feet		*= 0.163 * WC for 2" wells	
Depth to Water: <u>7.89</u>		ft. below top of casing		Well Volume*: <u>1.17</u>		gallons		*= 0.653 * WC for 4" wells	
Depth to Product: <u>—</u>		ft. below top of casing		Volume Purged: <u>2</u>		gallons		*= 1.469 * WC for 6" wells	
Depth to top of screen: <u>5.15</u>		ft. below top of casing		Well Diam.: <u>2</u>		inches		Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: <u>15.15</u>		ft. below top of casing		Purging Device (pump type): <u>QED bladder pump</u>					
Approx. Pump Intake: <u>12</u>		ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
<u>1345</u>	<u>8.20</u>	<u>100</u>	<u>17.25</u>	<u>1.28</u>	<u>5.70</u>	<u>6.50</u>	<u>144</u>	<u>368</u>	<u>Began purging @ 12:20, very turbid, no odor, or sheen</u>
<u>1350</u>	<u>8.30</u>	<u>100</u>	<u>18.86</u>	<u>1.28</u>	<u>3.93</u>	<u>6.76</u>	<u>158</u>	<u>272</u>	
<u>1355</u>	<u>8.40</u>	<u>100</u>	<u>18.46</u>	<u>1.28</u>	<u>4.07</u>	<u>6.76</u>	<u>165</u>	<u>145</u>	
<u>1400</u>	<u>8.50</u>	<u>100</u>	<u>18.27</u>	<u>1.28</u>	<u>4.06</u>	<u>6.76</u>	<u>169</u>	<u>84.3</u>	
<u>1405</u>	<u>8.60</u>	<u>100</u>	<u>18.37</u>	<u>1.28</u>	<u>3.56</u>	<u>6.75</u>	<u>172</u>	<u>51.4</u>	
<u>1410</u>		<u>100</u>	<u>18.36</u>	<u>1.28</u>	<u>3.02</u>	<u>6.77</u>	<u>172</u>	<u>43.6</u>	
<u>1415</u>		<u>100</u>	<u>18.41</u>	<u>1.28</u>	<u>2.60</u>	<u>6.78</u>	<u>175</u>	<u>50.0</u>	
<u>1420</u>		<u>100</u>	<u>18.43</u>	<u>1.28</u>	<u>2.30</u>	<u>6.77</u>	<u>172</u>	<u>53.4</u>	
<u>1425</u>		<u>100</u>	<u>18.43</u>	<u>1.28</u>	<u>2.27</u>	<u>6.77</u>	<u>169</u>	<u>52.0</u>	
<u>1430</u>		<u>100</u>	<u>18.46</u>	<u>1.28</u>	<u>2.05</u>	<u>6.79</u>	<u>167</u>	<u>48.9</u>	
<u>1435</u>		<u>100</u>							<u>- sampled after purging</u>
<u>1440</u>									
Stabilization Criteria:				<u>+/- 3 mS/cm</u>	<u>+/- 0.3 mg/L</u>	<u>+/- 0.1 pH units</u>	<u>+/- 10 mV</u>	<u><50 NTU</u>	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Groundwater samples analyzed for: <u>TCL - 8260D</u> <u>MW-08B-20240624 @ 1440</u> <u>phos 375</u> <u>VOCs - 8260D</u> <u>Duplicate collected - MW-X-20240611</u>									



Well Sampling Log

Job No: 180291	Client:	Well No: SW-17 
Project Location: Queens Animal Shelter	Sampled By: MJ	
Date: 6/11/24	Sampling Time: 1540	
LEL at surface: -		
PID at surface:		

Total Depth: 19.25 ft. below top of casing	Water Column (WC): 5 feet	*= 0.163 * WC for 2" wells
Depth to Water: 16.25 ft. below top of casing	Well Volume*: gallons	*= 0.653 * WC for 4" wells
Depth to Product: - ft. below top of casing	Volume Purged: gallons	*= 1.469 * WC for 6" wells
Depth to top of screen: - ft. below top of casing	Well Diam.: 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen: - ft. below top of casing	Purging Device (pump type): qed bladder pump	
Approx. Pump Intake: 20 ft. below top of casing		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
									Turbid, ~~due to~~ no sheen or odor due to slow recharge, and limited WC, MJ was instructed by AKRF PM to sample prior to stabilization
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

375 VOCs 8260D
TCL 8260D

SW-17-20240611 @ 1540



Well Sampling Log

Job No:	190275	Client:	Queens Mining & Development	Well No:	MW-05B				
Project Location:	2564 44th Street, Queens, NY 11105 (9-06 Flushing)	Sampled By:	MB						
Date:	8/14/24	Sampling Time:	1615						
LEL at surface:	NA								
PID at surface:	0.0				* = 0.163 * WC for 2" wells				
Total Depth:	15.23	Water Column (WC):	6.98	feet	* = 0.653 * WC for 4" wells				
Depth to Water:	8.25	Well Volume*:	1.14	gallons	* = 1.469 * WC for 6" wells				
Depth to Product:	~~8.25~~	Volume Purged:	1	gallons					
Depth to top of screen:		Well Diam.:	2	inches	Target maximum flow rate is 100 ml/min				
Depth to bottom of screen:	15.23	Purging Device (pump type):	Bladder Pump						
Approx. Pump Intake:	13.50				Comments (problems, odor, screen)				
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	
1509	8.32	50	20.17	1.21	14.11	7.21	70	1000	
1505	8.02	50	18.97	1.21	9.30	7.22	129	952	
1510	9.58	50	18.51	1.21	5.85	7.25	116	940	
1515	9.71	50	18.87	1.40	4.27	6.57	177	762	
1520	9.85	50	18.83	1.40	3.86	6.58	171	725	
1525	10.01	50	18.41	1.41	3.12	6.63	154	931	
1530	10.32	50	18.55	1.42	2.69	6.66	150	814	
1535	10.46	50	18.47	1.44	1.61	6.62	41	382	
1540	10.75	50	18.44	1.44	1.21	6.61	-7	448	
1545	11.17	50	18.47	1.45	1.75	6.57	-1	162	
1550	11.56	50	18.39	1.45	1.45	6.55	-5	81.2	
1555	11.93	50	18.37	1.45	1.45	6.57	0	56.2	
1600	11.94	50	18.36	1.45	1.48	6.52	3	49.2	

Record System
+ve readings seen
off

Duplicate
Taken

If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

UOCs by 82.60

MW-05B PG2

TIME	DTW	PURGE	TEMP	CONDCT	DO	PH	ORP	TULB
1605	12.08	50	18.32	1.46	1.53	6.52	6	44.6
1610	12.39	50	18.33	1.46	1.55	6.53	8	39.4



Well Sampling Log

Job No: ~~190297~~	Client: ~~Queens Environmental MB&S Developers LLC~~	Well No: ~~MM-06B~~
Project Location: ~~22-60 46th Street Queens, NY 11105~~	Sampled By: ~~MB~~	
Date: ~~8/14/24~~	Sampling Time: ~~1425~~	
LEL at surface: ~~N/A~~		
PID at surface: ~~N/A~~		
Total Depth: ~~9.0~~		
Depth to Water: ~~9.54~~	Water Column (WC): ~~6.62~~	* = 0.163 * WC for 2" wells
Depth to Product: ~~2.92~~	Well Volume*: ~~1.08~~	* = 0.653 * WC for 4" wells
Depth to top of screen: ~~NA~~	Volume Purged: ~~6.6~~	* = 1.469 * WC for 6" wells
Depth to bottom of screen: ~~4.54~~	Well Diam.: ~~2~~ inches	
Approx. Pump Intake: ~~8.25~~	Purging Device (pump type): ~~Booster Pump~~	Target maximum flow rate is 100 ml/min

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, etc)
1320	~~3.34~~	50	20.25	856	13.83	7.04	-105	66.3	
1325	3.52	50	20.22	915	9.71	7.13	-86	82.0	
1340	3.84	50	20.16	945	9.37	7.00	-53	13.5	
1345	4.25	50	20.05	962	9.50	7.02	-40	93.7	
1350	4.31	50	20.10	965	9.44	7.12	-29	87.4	
1355	4.66	50	20.08	964	9.42	7.08	-15	74.2	
1400	4.69	50	20.09	963	9.43	7.09	-13	68.7	
1405	4.73	50	20.06	966	9.41	7.07	-14	55.3	
1410	4.77	50	20.09	966	9.55	7.07	-10	48.7	
1415	4.81	50	20.08	966	9.51	7.07	-12	45.6	
1420	4.83	50	20.09	966	9.44	7.07	-13	42.1	
					(Mn)				

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample

VOCs by 8260

MS/MSD
Collected

Groundwater Monitoring Well Sampling Log

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Project Name:	Queens Animal				Client:	''				Well ID:	MW-08B
Project Location:	19-06 Flushing Ave				Sampled By:	MB					
Project Number:					Sampling Date:	8/14/24					
Headspace PID:	0.0				Sampling Time:	12:10					
Total Well Depth:	15.08 ft. below top of casing				Water Column:	7.17 feet					
Depth to Water:	7.89 ft. below top of casing				Well Volume*:	1.17 gallons					
Product Thickness:	NA ft. below top of casing				Volume Purged:	.3 gallons					
Depth to Top of Screen:	15.08 ft. below top of casing				Well Diameter:	2 inch					
Depth to Bottom of Screen:	15.08 ft. below top of casing				Purging Device:	Booster Pump					
Approximate Pump Intake:	15.00 ft. below top of casing										
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)		
1130	13.52	100	24.76	.633	10.54	7.72	155	875			
1135	13.86	100	19.70	.575	10.74	7.29	154	763			
1140	13.95	15	21.27	.615	9.89	7.21	173	687			
1145	14.56	15	21.27	.610	9.71	7.29	170	552			
1150											
Well ID: 19-06 Flushing Ave											
Stabilization Criteria:											
Sampling											
Stabilization Criteria:											

Well has been purged 89, will let recharge for 20 mins + Sample

X8260 VOC

akrf

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New York, NY 10016

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Groundwater Monitoring Well Sampling Log

Pg 1

Project Name:		Queens Animal Shelter		Client:		Queens Animal Shelter		Well ID:	
Project Location:		13-06 Flushing Ave. Queens NY		Sampled By:		MB			
Project Number:		180291		Sampling Date:		10/16/20			
Headspace PID:		91		Sampling Time:		12:50			
Total Well Depth:		15.04 ft. below top of casing		Water Column:		3.56 ft		13.55	
Depth to Water:		9.83 ft. below top of casing		Well Volume:		.589 gallons			
Product Thickness:		NA ft. below top of casing		Volume Purged:		1.91 gallons			
Depth to Bottom of Screen:		ft. below top of casing		Well Diameter:		2 inches			
Approximate Pump Intake:		ft. below top of casing		Purging Device:		Bladder Pump			
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
11:55	10.16	1.00	18.4	1.351	2.40	6.81	168.4	344.81	
12:00	10.42		18.3	1.362	2.73	6.75	170.8	146.54	
12:05	10.73		18.3	1.358	1.78	6.74	171.2	87.25	
12:10	11.11		18.3	1.366	1.98	6.74	170.5	115.31	
12:15	11.46		18.2	1.379	1.03	6.77	168.1	44.34	
12:20	12.01		18.2	1.374	1.43	6.74	164.2	123.77	
12:25	12.20		18.1	1.376	1.31	6.75	166.0	49.87	
12:30	12.35		18.1	1.382	1.24	6.78	127.6	437.25	
12:35	12.51		18.1	1.391	1.14	6.78	115.4	515.36	
12:40	12.68		18.1	1.384	1.08	6.77	120.7	221.77	
12:45	12.75		18.1	1.390	1.01	6.77	123.7	137.82	
12:50	12.84	75	18.1	1.392	1.01	6.77	125.4	100.21	
13:00	12.97		18.1	1.390	1.01	6.77	123.7	100.21	
13:05	13.06		18.2	1.388	.94	6.76	126.1	57.87	

Stabilization Criteria:

ORP - oxidation reduction potential
Groundwater samples analyzed for

mV - millivolt

+/- 3 mS/cm

+/- 0.3 mg/L

+/- 0.1 pH units

+/- 10 mV

<50 NTU

mS/cm - MilliSiemens per centimeter

mg/L - milligrams per liter

empty flow through
duplicate
false

akrf

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New York, NY 10016

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Groundwater Monitoring Well Sampling Log

pg 2

Project Name:		Queens Animal Shelter		Client:		Queens Animal Shelter		Well ID:	
Project Location:		19-06 Flushing Ave Queens NY		Sampled By:		MB		MW-05B	
Project Number:		180281		Sampling Date:		01/6/24			
Headspace PID:		.1		Sampling Time:		1355			
Total Well Depth:		15.04 ft. below top of casing		Water Column:		0 feet		* 0.041 * WC for 1" wells	
Depth to Water:		9.83 ft. below top of casing		Well Volume:		0 gallons		* 0.163 * WC for 2" wells	
Product Thickness:		N/A		Volume Purged:		gallons		* 0.653 * WC for 4" wells	
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2 inches		The target maximum flow rate is 100 gpm. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bladder Pump			
Approximate Pump Intake:		ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1310	13.17	75	18.1	1.343	.97	6.78	129.4	68.93	well has run OK will wait 30 mins for recalc then will sample JOP taken
1315	13.24		18.1	1.391	.93	6.77	130.1	100.41	
1320	13.96		18.2	1.342	.94	6.76	132.4	150.34	
1325	13.61		18.2	1.342	.95	6.79	129.8	148.21	
Sampling									
Stabilization Criteria: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - milligrams per liter ±0.3 mS/cm ±0.3 mg/L ±0.1 pH units ±10 mV <50 NTU									
Notes:									

akrf

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Groundwater Monitoring Well Sampling Log

Project Name:		Queens Animal Shelter		Client:		Queens Animal Shelter		Well ID:	
Project Location:		19-06 Flushing Ave Queens NY		Sampled By:		MB			
Project Number:		180291		Sampling Date:		10/16/24			
Headspace PID:		0		Sampling Time:		1640		MW-06 B	
Total Well Depth:		15.84 ft. below top of casing		Water Column:		4.74 ft			
Depth to Water:		11.19 ft. below top of casing		Well Volume:		.77 gallons			
Product Thickness:		NA		Volume Purged:		.7 gallons			
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2 inches			
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bladder Pump			
Approximate Pump Intake:		ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, screen)
1535	11.71	75	17.4	.868	1.94	6.78	176.0	156.45	
1540	12.16		17.8	.899	2.94	6.77	175.6	106.13	
1545	12.52		17.9	.894	4.30	6.77	175.1	69.54	
1550	12.86		17.9	.896	4.56	6.79	174.9	71.99	
1555	12.94		17.9	.900	4.22	6.80	174.0	83.16	
1600	13.26		17.9	.902	3.50	6.80	173.3	122.73	
1605	13.47		17.8	.901	2.35	6.76	172.6	349.6	
1610	13.74		17.4	.901	2.42	6.76	173.1	301.2	

- flobe on top of pump well off waiting half hour & will sample

Notes:

Stabilization Criteria: ORP - oxidation reduction potential mV - millivolt +/- 3 mS/cm +/- 0.3 mg/L +/- 0.1 pH units +/- 10 mV < 50 NTU
Groundwater samples analyzed for

okrf

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New York, NY 10016

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Groundwater Monitoring Well Sampling Log

Project Name:		Queens Animal Shelter		Client:		Queens Animal Shelter		Well ID:															
Project Location:		1106 Fushing Ave Queens NY		Sampled By:		MB																	
Project Number:		16024		Sampling Date:		10/16/24																	
Headspace PID:		0		Sampling Time:		14:20		MW-05B															
Total Well Depth:		16.92 ft. below top of casing		Water Column:		14.20 feet																	
Depth to Water:		11.96 ft. below top of casing		Well Volume*:		.80 gallons																	
Product Thickness:		16.02-17.02 ft. below top of casing		Volume Purged:		.3 gallons																	
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2 inches																	
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bubbler pump																	
Approximate Pump Intake:		ft. below top of casing																					
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)														
1330	12.15	75	18.3	.639	6.37	7.65	130.1	81.05	- Well pumped 01y waiting 30 mins + sampling														
1335	12.71		18.5	.652	8.90	7.12	145.4	23.65															
1340	13.31		18.4	.656	3.12	7.02	147.7	18.13															
1345	14.01		18.4	.655	3.23	7.04	150.3	65.41															
1350																							
Sampling																							
Stabilization Criteria: <table border="1"> <tr> <td>ORP - oxidation reduction potential</td> <td>mV - millivolt</td> <td>+/- 3 mS/cm</td> <td>+/- 0.3 mg/L</td> <td>+/- 0.1 pH units</td> <td>+/- 10 mV</td> <td><50 NTU</td> </tr> <tr> <td colspan="7">Groundwater samples analyzed for</td> </tr> </table>										ORP - oxidation reduction potential	mV - millivolt	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	Groundwater samples analyzed for						
ORP - oxidation reduction potential	mV - millivolt	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU																	
Groundwater samples analyzed for																							
Notes: NS/MSD collected																							

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Groundwater Monitoring Well Sampling Log

Pg 1

Project Name:	Queens Animal Shelter				Client:	Queens Animal Shelter				Well ID:	MW-06B			
Project Location:	19-06 Flushing Ave, Queens, NY				Sampled By:	M. Gates								
Project Number:	180291				Sampling Date:	1/24/25								
Headspace PID:	0.0				Sampling Time:	1455								
Total Well Depth:	15.05 ft. below top of casing				Water Column:	0 feet				± 0.041 * WC for 1" wells				
Depth to Water:	12.94 ft. below top of casing				Well Volume*:	0 gallons				± 0.163 * WC for 2" wells				
Product Thickness:	44.5 ft. below top of casing				Volume Purged:	gallons				± 0.653 * WC for 4" wells				
Depth to Top of Screen:	ft. below top of casing				Well Diameter:	2 1/4 inches								
Depth to Bottom of Screen:	ft. below top of casing				Purging Device:	Biotin Pump								
Approximate Pump Intake:	13.25 ft. below top of casing													
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, screen)					
1105	12.09	50	21.98	.463	2.01	6.44	-50	1000						
1110	12.31	50	20.32	.423	1.10	6.48	-10	1000						
1115	12.43	50	19.67	.422	.98	6.44	8	515						
1120	12.58	50	19.46	.410	.95	6.44	13	258						
1125	12.67	50	19.23	.407	.68	6.34	-2	192						
1130	12.63	50	19.07	.405	.58	6.40	-30	172						
1135	13.02	50	18.96	.406	.58	6.39	-40	192						
1140	13.16	50	18.94	.406	.55	6.38	-42	200						
1145	13.35	50	18.83	.404	.53	6.31	-39	212						
1150	13.49	50	18.85	.412	.61	6.34	-35	200						
1155	13.63	50	18.87	.415	1.07	6.40	-20	364						
1200														
1205	13.86	50	18.87	.410	.65	6.39	-15	1000						
1210	14.01	50	18.87	.411	.70	6.35	-15	1000						
Sampling														
1215	14.07	50	18.90	.402	.67	6.36	-19	1000						
Stabilization Criteria:														
											-Well on dry at 12:18 will let			
											1 Clear flow through well			

Stabilization Criteria:

+/- .3% mS/cm

+/- .03 mg/L

+/- .0.1 pH units

+/- .10 mV

<50 NTU

- Well on dry at 12:18 will let

Recharge for at least 30 mins & collect sample

Clear flow through well

The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

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Groundwater Monitoring Well Sampling Log

Project Name:		Queens Animal Shelter		Client:		Queens Animal Shelter		Well ID:		MM-188	
Project Location:		1906 Flushing Ave		Sampled By:		M. Bates					
Project Number:		180241		Sampling Date:		4/25-1/24/25					
Headspace PID:		0.0		Sampling Time:		1430					
Total Well Depth:		15.01		Water Column:		0		feet		≈ 0.041 * W/C for 1" wells	
Depth to Water:		10.72		Well Volume*:		0		gallons		≈ 0.163 * W/C for 2" wells	
Product Thickness:				Volume Purged:				gallons		≈ 0.653 * W/C for 4" wells	
Depth to Top of Screen:				Well Diameter:		2"		Inches			
Depth to Bottom of Screen:				Purging Device:		Bladder Pump					
Approximate Pump Intake:		13.50		ft. below top of casing							
Time		Depth to Water (ft.)		Purge Rate (ml/min)		Temperature (°C)		Conductivity (mS/cm)		Dissolved Oxygen (mg/L)	
										pH	
										ORP (mV)	
										Turbidity (NTU)	
										Comments (problems, odor, screen)	
1255	10.74	50	18.24	1.67	6.44	6.48	1.66	1000			
1300	10.98	50	18.01	1.53	6.51	6.42	1.08	821			
1305	11.18	50	17.89	1.46	3.83	6.40	1.14	420			
1310	11.34	50	17.84	1.45	3.45	6.36	1.17	229			
1315	11.51	50	17.81	1.46	3.31	6.34	1.07	156			
1324	11.76	50	17.80	1.47	2.78	6.32	92	158			
1325	11.82	50	17.79	1.49	2.70	6.23	90	146			
1330	11.86	50	17.80	1.50	2.72	6.29	86	158			
1335	12.05	50	17.84	1.49	2.70	6.30	91	416			
1340	12.23	50	17.88	1.50	2.75	6.30	96	461			
1345	12.35	50	17.84	1.57	2.72	6.30	100	837			
1350	12.51	50	17.91	1.60	2.78	6.28	101	582			
1355	12.63	50	17.91	1.65	2.73	6.26	114	1000			
1400	12.76	50	17.91	1.63	2.77	6.27	110	1000			
Sampling											
Stabilization Criteria:											
				+/- 3% mS/cm		+/- 0.3 mg/L		+/- 0.1 pH units		+/- 10 mV	
										<50 NTU	

DUP collected
-well can dry
at 1402 will
wait 20 mins
28 sample

APPENDIX D
LABORATORY ANALYTICAL DATA REPORTS AND DUSRS

April 1, 2024

Mr. Patrick Diggins
AKRF, Inc.
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Eurofins Edison – 460-299781-1

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Eurofins Edison for four water samples, one trip blank and one field blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. 460-299781-1, has been completed. The following samples were reported:

MW-05B_20240311 MW-06B_20240311 MW-08B_20240311
MW-DUP_20240311 FB_20240311 TB_20240311

Analyses were performed in accordance with EPA Method 624.1 (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by National Functional Guidelines for Data Review are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	Yes
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Based on the data review effort, results are usable as reported. No qualification of sample results was made as a result of the validation effort.

MW-DUP_20240311 was submitted as a field duplicate of MW-05B_20240311. Precision between paired samples is acceptable ($RPD \leq 30$).

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

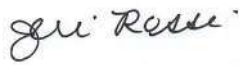
Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of March 11, 2024. The samples were received on the same day as sample collection. All samples were properly preserved and analyzed within method holding time.

Please feel free to contact me at (908) 370-3431 or richjერიrossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeri Rossi".

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15



ANALYTICAL REPORT

PREPARED FOR

Attn: Patrick Diggins
AKRF Inc
440 Park Avenue South
7th Floor
New York NY 10016

Generated 3/19/2024 12:53 PM

JOB DESCRIPTION

Queens Animal Shelter

JOB NUMBER

460-299781-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
3/19/2024 12:53 PM

Authorized for release by
Warleny M Infante, Project Management Assistant I
Warleny.Infante@et.eurofinsus.com
Designee for
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
203 308-0880

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CASE NARRATIVE

Client: AKRF Inc

Project: Queens Animal Shelter

Report Number: 460-299781-1

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

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

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

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

RECEIPT

The samples were received on 3/11/2024 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

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

VOLATILE ORGANIC COMPOUNDS BY GC/MS

Samples MW-05B_20240311 (460-299781-1), MW-06B_20240311 (460-299781-2), MW-08B_20240311 (460-299781-3), MW-DUP_20240311 (460-299781-4), FB_20240311 (460-299781-5) and TB_20240311 (460-299781-6) were analyzed for Volatile Organic Compounds by GC/MS in accordance with EPA Method 624.1. The samples were analyzed on 03/14/2024 and 03/15/2024.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-299781-1	MW-05B_20240311	Water	03/11/24 13:00	03/12/24 10:01
460-299781-2	MW-06B_20240311	Water	03/11/24 14:00	03/12/24 10:01
460-299781-3	MW-08B_20240311	Water	03/11/24 09:00	03/12/24 10:01
460-299781-4	MW-DUP_20240311	Water	03/11/24 13:10	03/12/24 10:01
460-299781-5	FB_20240311	Water	03/11/24 12:30	03/12/24 10:01
460-299781-6	TB_20240311	Water	03/11/24 12:00	03/12/24 10:01

Detection Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-05B_20240311

Lab Sample ID: 460-299781-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
MTBE	0.84	J	1.0	0.20	ug/L	1			624.1	Total/NA

Client Sample ID: MW-06B_20240311

Lab Sample ID: 460-299781-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
MTBE	84		1.0	0.20	ug/L	1			624.1	Total/NA
TBA	22		10	8.3	ug/L	1			624.1	Total/NA

Client Sample ID: MW-08B_20240311

Lab Sample ID: 460-299781-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
MTBE	4.7		1.0	0.20	ug/L	1			624.1	Total/NA

Client Sample ID: MW-DUP_20240311

Lab Sample ID: 460-299781-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
MTBE	0.72	J	1.0	0.20	ug/L	1			624.1	Total/NA

Client Sample ID: FB_20240311

Lab Sample ID: 460-299781-5

No Detections.

Client Sample ID: TB_20240311

Lab Sample ID: 460-299781-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Method Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-05B_20240311

Lab Sample ID: 460-299781-1

Date Collected: 03/11/24 13:00

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/15/24 12:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/15/24 12:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/15/24 12:24	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/15/24 12:24	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/15/24 12:24	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/15/24 12:24	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/15/24 12:24	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/15/24 12:24	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/15/24 12:24	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/15/24 12:24	1
Acetone	6.0	U	6.0	5.0	ug/L			03/15/24 12:24	1
Benzene	1.0	U	1.0	0.43	ug/L			03/15/24 12:24	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/15/24 12:24	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/15/24 12:24	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/15/24 12:24	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/15/24 12:24	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/15/24 12:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/15/24 12:24	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/15/24 12:24	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/15/24 12:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/15/24 12:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/15/24 12:24	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/15/24 12:24	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:24	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/15/24 12:24	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:24	1
MTBE	0.84	J	1.0	0.20	ug/L			03/15/24 12:24	1
Styrene	1.0	U	1.0	0.42	ug/L			03/15/24 12:24	1
TBA	10	U	10	8.3	ug/L			03/15/24 12:24	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/15/24 12:24	1
Toluene	1.0	U	1.0	0.38	ug/L			03/15/24 12:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/15/24 12:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/15/24 12:24	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/15/24 12:24	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/15/24 12:24	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/15/24 12:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/15/24 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		49 - 149		03/15/24 12:24	1
Bromofluorobenzene	100		66 - 132		03/15/24 12:24	1
Dibromofluoromethane (Surr)	107		55 - 150		03/15/24 12:24	1
Toluene-d8 (Surr)	101		69 - 121		03/15/24 12:24	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-06B_20240311

Lab Sample ID: 460-299781-2

Date Collected: 03/11/24 14:00

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/15/24 12:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/15/24 12:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/15/24 12:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/15/24 12:47	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/15/24 12:47	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/15/24 12:47	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/15/24 12:47	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/15/24 12:47	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/15/24 12:47	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/15/24 12:47	1
Acetone	6.0	U	6.0	5.0	ug/L			03/15/24 12:47	1
Benzene	1.0	U	1.0	0.43	ug/L			03/15/24 12:47	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/15/24 12:47	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/15/24 12:47	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/15/24 12:47	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/15/24 12:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/15/24 12:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/15/24 12:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/15/24 12:47	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/15/24 12:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/15/24 12:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/15/24 12:47	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/15/24 12:47	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/15/24 12:47	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:47	1
MTBE	84		1.0	0.20	ug/L			03/15/24 12:47	1
Styrene	1.0	U	1.0	0.42	ug/L			03/15/24 12:47	1
TBA	22		10	8.3	ug/L			03/15/24 12:47	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/15/24 12:47	1
Toluene	1.0	U	1.0	0.38	ug/L			03/15/24 12:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/15/24 12:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/15/24 12:47	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/15/24 12:47	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/15/24 12:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/15/24 12:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/15/24 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		49 - 149		03/15/24 12:47	1
Bromofluorobenzene	104		66 - 132		03/15/24 12:47	1
Dibromofluoromethane (Surr)	104		55 - 150		03/15/24 12:47	1
Toluene-d8 (Surr)	99		69 - 121		03/15/24 12:47	1

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Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-08B_20240311

Lab Sample ID: 460-299781-3

Date Collected: 03/11/24 09:00

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/15/24 13:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/15/24 13:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/15/24 13:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/15/24 13:10	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/15/24 13:10	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/15/24 13:10	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/15/24 13:10	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/15/24 13:10	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/15/24 13:10	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/15/24 13:10	1
Acetone	6.0	U	6.0	5.0	ug/L			03/15/24 13:10	1
Benzene	1.0	U	1.0	0.43	ug/L			03/15/24 13:10	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/15/24 13:10	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/15/24 13:10	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/15/24 13:10	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/15/24 13:10	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/15/24 13:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/15/24 13:10	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/15/24 13:10	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/15/24 13:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/15/24 13:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/15/24 13:10	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/15/24 13:10	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 13:10	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/15/24 13:10	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 13:10	1
MTBE	4.7		1.0	0.20	ug/L			03/15/24 13:10	1
Styrene	1.0	U	1.0	0.42	ug/L			03/15/24 13:10	1
TBA	10	U	10	8.3	ug/L			03/15/24 13:10	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/15/24 13:10	1
Toluene	1.0	U	1.0	0.38	ug/L			03/15/24 13:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/15/24 13:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/15/24 13:10	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/15/24 13:10	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/15/24 13:10	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/15/24 13:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/15/24 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		49 - 149		03/15/24 13:10	1
Bromofluorobenzene	100		66 - 132		03/15/24 13:10	1
Dibromofluoromethane (Surr)	104		55 - 150		03/15/24 13:10	1
Toluene-d8 (Surr)	99		69 - 121		03/15/24 13:10	1

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Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-DUP_20240311

Lab Sample ID: 460-299781-4

Date Collected: 03/11/24 13:10

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/15/24 00:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/15/24 00:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/15/24 00:46	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/15/24 00:46	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/15/24 00:46	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/15/24 00:46	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/15/24 00:46	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/15/24 00:46	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/15/24 00:46	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/15/24 00:46	1
Acetone	6.0	U	6.0	5.0	ug/L			03/15/24 00:46	1
Benzene	1.0	U	1.0	0.43	ug/L			03/15/24 00:46	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/15/24 00:46	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/15/24 00:46	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/15/24 00:46	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/15/24 00:46	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/15/24 00:46	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/15/24 00:46	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/15/24 00:46	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/15/24 00:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/15/24 00:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/15/24 00:46	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/15/24 00:46	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 00:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/15/24 00:46	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 00:46	1
MTBE	0.72	J	1.0	0.20	ug/L			03/15/24 00:46	1
Styrene	1.0	U	1.0	0.42	ug/L			03/15/24 00:46	1
TBA	10	U	10	8.3	ug/L			03/15/24 00:46	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/15/24 00:46	1
Toluene	1.0	U	1.0	0.38	ug/L			03/15/24 00:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/15/24 00:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/15/24 00:46	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/15/24 00:46	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/15/24 00:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/15/24 00:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/15/24 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		49 - 149		03/15/24 00:46	1
Bromofluorobenzene	84		66 - 132		03/15/24 00:46	1
Dibromofluoromethane (Surr)	89		55 - 150		03/15/24 00:46	1
Toluene-d8 (Surr)	95		69 - 121		03/15/24 00:46	1

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Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: FB_20240311

Lab Sample ID: 460-299781-5

Date Collected: 03/11/24 12:30

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/14/24 22:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/14/24 22:18	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/14/24 22:18	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/14/24 22:18	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/14/24 22:18	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/14/24 22:18	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/14/24 22:18	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/14/24 22:18	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/14/24 22:18	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/14/24 22:18	1
Acetone	6.0	U	6.0	5.0	ug/L			03/14/24 22:18	1
Benzene	1.0	U	1.0	0.43	ug/L			03/14/24 22:18	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/14/24 22:18	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/14/24 22:18	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/14/24 22:18	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/14/24 22:18	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/14/24 22:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/14/24 22:18	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/14/24 22:18	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/14/24 22:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/14/24 22:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/14/24 22:18	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/14/24 22:18	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 22:18	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/14/24 22:18	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 22:18	1
MTBE	1.0	U	1.0	0.20	ug/L			03/14/24 22:18	1
Styrene	1.0	U	1.0	0.42	ug/L			03/14/24 22:18	1
TBA	10	U	10	8.3	ug/L			03/14/24 22:18	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/14/24 22:18	1
Toluene	1.0	U	1.0	0.38	ug/L			03/14/24 22:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/14/24 22:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/14/24 22:18	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/14/24 22:18	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/14/24 22:18	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/14/24 22:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/14/24 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		49 - 149		03/14/24 22:18	1
Bromofluorobenzene	95		66 - 132		03/14/24 22:18	1
Dibromofluoromethane (Surr)	101		55 - 150		03/14/24 22:18	1
Toluene-d8 (Surr)	96		69 - 121		03/14/24 22:18	1

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Client Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: TB_20240311

Lab Sample ID: 460-299781-6

Date Collected: 03/11/24 12:00

Matrix: Water

Date Received: 03/12/24 10:01

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/14/24 22:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/14/24 22:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/14/24 22:40	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/14/24 22:40	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/14/24 22:40	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/14/24 22:40	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/14/24 22:40	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/14/24 22:40	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/14/24 22:40	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/14/24 22:40	1
Acetone	6.0	U	6.0	5.0	ug/L			03/14/24 22:40	1
Benzene	1.0	U	1.0	0.43	ug/L			03/14/24 22:40	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/14/24 22:40	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/14/24 22:40	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/14/24 22:40	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/14/24 22:40	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/14/24 22:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/14/24 22:40	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/14/24 22:40	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/14/24 22:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/14/24 22:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/14/24 22:40	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/14/24 22:40	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 22:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/14/24 22:40	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 22:40	1
MTBE	1.0	U	1.0	0.20	ug/L			03/14/24 22:40	1
Styrene	1.0	U	1.0	0.42	ug/L			03/14/24 22:40	1
TBA	10	U	10	8.3	ug/L			03/14/24 22:40	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/14/24 22:40	1
Toluene	1.0	U	1.0	0.38	ug/L			03/14/24 22:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/14/24 22:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/14/24 22:40	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/14/24 22:40	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/14/24 22:40	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/14/24 22:40	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/14/24 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		49 - 149		03/14/24 22:40	1
Bromofluorobenzene	92		66 - 132		03/14/24 22:40	1
Dibromofluoromethane (Surr)	99		55 - 150		03/14/24 22:40	1
Toluene-d8 (Surr)	96		69 - 121		03/14/24 22:40	1

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Surrogate Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (49-149)	BFB (66-132)	DBFM (55-150)	TOL (69-121)
460-299781-1	MW-05B_20240311	101	100	107	101
460-299781-1 MS	MW-05B_20240311	99	106	102	105
460-299781-1 MSD	MW-05B_20240311	97	97	99	98
460-299781-2	MW-06B_20240311	105	104	104	99
460-299781-3	MW-08B_20240311	103	100	104	99
460-299781-4	MW-DUP_20240311	85	84	89	95
460-299781-5	FB_20240311	95	95	101	96
460-299781-6	TB_20240311	95	92	99	96
LCS 460-964128/4	Lab Control Sample	92	90	93	96
LCS 460-964280/3	Lab Control Sample	96	105	99	101
LCSD 460-964128/5	Lab Control Sample Dup	97	97	97	103
LCSD 460-964280/4	Lab Control Sample Dup	95	101	99	100
MB 460-964128/9	Method Blank	97	87	101	92
MB 460-964280/7	Method Blank	99	101	104	100

Surrogate Legend

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

BFB = Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-964128/9

Matrix: Water

Analysis Batch: 964128

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/14/24 21:57	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/14/24 21:57	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/14/24 21:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/14/24 21:57	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/14/24 21:57	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/14/24 21:57	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/14/24 21:57	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/14/24 21:57	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/14/24 21:57	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/14/24 21:57	1
Acetone	6.0	U	6.0	5.0	ug/L			03/14/24 21:57	1
Benzene	1.0	U	1.0	0.43	ug/L			03/14/24 21:57	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/14/24 21:57	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/14/24 21:57	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/14/24 21:57	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/14/24 21:57	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/14/24 21:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/14/24 21:57	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/14/24 21:57	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/14/24 21:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/14/24 21:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/14/24 21:57	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/14/24 21:57	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 21:57	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/14/24 21:57	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/14/24 21:57	1
MTBE	1.0	U	1.0	0.20	ug/L			03/14/24 21:57	1
Styrene	1.0	U	1.0	0.42	ug/L			03/14/24 21:57	1
TBA	10	U	10	8.3	ug/L			03/14/24 21:57	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/14/24 21:57	1
Toluene	1.0	U	1.0	0.38	ug/L			03/14/24 21:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/14/24 21:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/14/24 21:57	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/14/24 21:57	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/14/24 21:57	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/14/24 21:57	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/14/24 21:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		49 - 149		03/14/24 21:57	1
Bromofluorobenzene	87		66 - 132		03/14/24 21:57	1
Dibromofluoromethane (Surr)	101		55 - 150		03/14/24 21:57	1
Toluene-d8 (Surr)	92		69 - 121		03/14/24 21:57	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-964128/4

Matrix: Water

Analysis Batch: 964128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	60 - 140
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	70 - 130
1,1-Dichloroethane	20.0	20.7		ug/L		103	70 - 130
1,1-Dichloroethene	20.0	21.2		ug/L		106	50 - 150
1,2-Dichloroethane	20.0	18.4		ug/L		92	70 - 130
1,2-Dichloropropane	20.0	20.1		ug/L		100	35 - 165
2-Butanone	100	90.1		ug/L		90	60 - 140
2-Hexanone	100	106		ug/L		106	60 - 140
4-Methyl-2-pentanone	100	109		ug/L		109	60 - 140
Acetone	100	98.6		ug/L		99	60 - 140
Benzene	20.0	20.9		ug/L		105	65 - 135
Bromodichloromethane	20.0	19.0		ug/L		95	65 - 135
Bromoform	20.0	16.1		ug/L		81	70 - 130
Bromomethane	20.0	17.6		ug/L		88	15 - 185
Carbon disulfide	20.0	19.3		ug/L		97	60 - 140
Carbon tetrachloride	20.0	18.7		ug/L		94	70 - 130
Chlorobenzene	20.0	20.2		ug/L		101	65 - 135
Chloroform	20.0	19.9		ug/L		100	70 - 135
Chloromethane	20.0	23.0		ug/L		115	0.1 - 205
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	60 - 140
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	25 - 175
Dibromochloromethane	20.0	18.1		ug/L		91	70 - 135
Ethyl Chloride	20.0	18.6		ug/L		93	40 - 160
Ethylbenzene	20.0	19.5		ug/L		97	60 - 140
Methylene Chloride	20.0	20.9		ug/L		105	60 - 140
MTBE	20.0	18.0		ug/L		90	60 - 140
Styrene	20.0	19.2		ug/L		96	60 - 140
TBA	200	177		ug/L		89	60 - 140
Tetrachloroethene	20.0	19.9		ug/L		99	70 - 130
Toluene	20.0	20.3		ug/L		101	70 - 130
trans-1,2-Dichloroethene	20.0	20.9		ug/L		104	70 - 130
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	50 - 150
Trichloroethene	20.0	21.0		ug/L		105	65 - 135
Vinyl chloride	20.0	21.1		ug/L		106	5 - 195
Xylenes, Total	40.0	39.5		ug/L		99	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		49 - 149
Bromofluorobenzene	90		66 - 132
Dibromofluoromethane (Surr)	93		55 - 150
Toluene-d8 (Surr)	96		69 - 121

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-964128/5

Matrix: Water

Analysis Batch: 964128

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	17.9		ug/L		89	70 - 130	6	36
1,1,2,2-Tetrachloroethane	20.0	17.8		ug/L		89	60 - 140	2	61
1,1,2-Trichloroethane	20.0	19.9		ug/L		100	70 - 130	3	45
1,1-Dichloroethane	20.0	19.9		ug/L		100	70 - 130	4	40
1,1-Dichloroethene	20.0	19.5		ug/L		98	50 - 150	8	32
1,2-Dichloroethane	20.0	17.5		ug/L		87	70 - 130	5	49
1,2-Dichloropropane	20.0	18.5		ug/L		92	35 - 165	8	55
2-Butanone	100	87.9		ug/L		88	60 - 140	2	50
2-Hexanone	100	97.7		ug/L		98	60 - 140	8	50
4-Methyl-2-pentanone	100	101		ug/L		101	60 - 140	7	50
Acetone	100	89.2		ug/L		89	60 - 140	10	50
Benzene	20.0	20.0		ug/L		100	65 - 135	5	61
Bromodichloromethane	20.0	17.7		ug/L		89	65 - 135	7	56
Bromoform	20.0	15.9		ug/L		80	70 - 130	1	42
Bromomethane	20.0	16.7		ug/L		84	15 - 185	5	61
Carbon disulfide	20.0	18.2		ug/L		91	60 - 140	6	50
Carbon tetrachloride	20.0	17.6		ug/L		88	70 - 130	6	41
Chlorobenzene	20.0	19.5		ug/L		97	65 - 135	4	53
Chloroform	20.0	18.9		ug/L		94	70 - 135	5	54
Chloromethane	20.0	21.4		ug/L		107	0.1 - 205	7	60
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	60 - 140	5	50
cis-1,3-Dichloropropene	20.0	18.9		ug/L		94	25 - 175	6	58
Dibromochloromethane	20.0	16.9		ug/L		84	70 - 135	7	50
Ethyl Chloride	20.0	17.6		ug/L		88	40 - 160	5	78
Ethylbenzene	20.0	19.1		ug/L		95	60 - 140	2	63
Methylene Chloride	20.0	20.3		ug/L		102	60 - 140	3	28
MTBE	20.0	17.7		ug/L		89	60 - 140	2	50
Styrene	20.0	18.1		ug/L		90	60 - 140	6	50
TBA	200	176		ug/L		88	60 - 140	0	50
Tetrachloroethene	20.0	18.8		ug/L		94	70 - 130	6	39
Toluene	20.0	19.4		ug/L		97	70 - 130	4	41
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	70 - 130	7	45
trans-1,3-Dichloropropene	20.0	18.1		ug/L		91	50 - 150	2	86
Trichloroethene	20.0	19.2		ug/L		96	65 - 135	9	48
Vinyl chloride	20.0	19.4		ug/L		97	5 - 195	9	66
Xylenes, Total	40.0	38.2		ug/L		95	60 - 140	4	50

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	97		49 - 149
Bromofluorobenzene	97		66 - 132
Dibromofluoromethane (Surr)	97		55 - 150
Toluene-d8 (Surr)	103		69 - 121

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-964280/7

Matrix: Water

Analysis Batch: 964280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/15/24 12:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/15/24 12:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.15	ug/L			03/15/24 12:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/15/24 12:00	1
1,1-Dichloroethene	1.0	U	1.0	0.12	ug/L			03/15/24 12:00	1
1,2-Dichloroethane	1.0	U	1.0	0.84	ug/L			03/15/24 12:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/15/24 12:00	1
2-Butanone	5.0	U	5.0	1.9	ug/L			03/15/24 12:00	1
2-Hexanone	5.0	U	5.0	2.9	ug/L			03/15/24 12:00	1
4-Methyl-2-pentanone	5.0	U	5.0	2.7	ug/L			03/15/24 12:00	1
Acetone	6.0	U	6.0	5.0	ug/L			03/15/24 12:00	1
Benzene	1.0	U	1.0	0.43	ug/L			03/15/24 12:00	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			03/15/24 12:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/15/24 12:00	1
Bromomethane	1.0	U	1.0	0.45	ug/L			03/15/24 12:00	1
Carbon disulfide	1.0	U	1.0	0.16	ug/L			03/15/24 12:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/15/24 12:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/15/24 12:00	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/15/24 12:00	1
Chloromethane	1.0	U	1.0	0.43	ug/L			03/15/24 12:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/15/24 12:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.46	ug/L			03/15/24 12:00	1
Dibromochloromethane	1.0	U	1.0	0.13	ug/L			03/15/24 12:00	1
Ethyl Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/15/24 12:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/15/24 12:00	1
MTBE	1.0	U	1.0	0.20	ug/L			03/15/24 12:00	1
Styrene	1.0	U	1.0	0.42	ug/L			03/15/24 12:00	1
TBA	10	U	10	8.3	ug/L			03/15/24 12:00	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/15/24 12:00	1
Toluene	1.0	U	1.0	0.38	ug/L			03/15/24 12:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/15/24 12:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/15/24 12:00	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/15/24 12:00	1
Vinyl chloride	1.0	U	1.0	0.34	ug/L			03/15/24 12:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/15/24 12:00	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		03/15/24 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		49 - 149		03/15/24 12:00	1
Bromofluorobenzene	101		66 - 132		03/15/24 12:00	1
Dibromofluoromethane (Surr)	104		55 - 150		03/15/24 12:00	1
Toluene-d8 (Surr)	100		69 - 121		03/15/24 12:00	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-964280/3

Matrix: Water

Analysis Batch: 964280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	70 - 130
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	60 - 140
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	70 - 130
1,1-Dichloroethane	20.0	22.0		ug/L		110	70 - 130
1,1-Dichloroethene	20.0	21.0		ug/L		105	50 - 150
1,2-Dichloroethane	20.0	20.9		ug/L		105	70 - 130
1,2-Dichloropropane	20.0	21.2		ug/L		106	35 - 165
2-Butanone	100	99.5		ug/L		99	60 - 140
2-Hexanone	100	103		ug/L		103	60 - 140
4-Methyl-2-pentanone	100	104		ug/L		104	60 - 140
Acetone	100	114		ug/L		114	60 - 140
Benzene	20.0	22.8		ug/L		114	65 - 135
Bromodichloromethane	20.0	21.8		ug/L		109	65 - 135
Bromoform	20.0	23.4		ug/L		117	70 - 130
Bromomethane	20.0	21.3		ug/L		107	15 - 185
Carbon disulfide	20.0	23.1		ug/L		115	60 - 140
Carbon tetrachloride	20.0	23.5		ug/L		117	70 - 130
Chlorobenzene	20.0	21.9		ug/L		110	65 - 135
Chloroform	20.0	21.7		ug/L		109	70 - 135
Chloromethane	20.0	20.7		ug/L		103	0.1 - 205
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	60 - 140
cis-1,3-Dichloropropene	20.0	22.3		ug/L		111	25 - 175
Dibromochloromethane	20.0	22.0		ug/L		110	70 - 135
Ethyl Chloride	20.0	20.5		ug/L		102	40 - 160
Ethylbenzene	20.0	21.6		ug/L		108	60 - 140
Methylene Chloride	20.0	23.7		ug/L		118	60 - 140
MTBE	20.0	20.3		ug/L		101	60 - 140
Styrene	20.0	23.3		ug/L		117	60 - 140
TBA	200	212		ug/L		106	60 - 140
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 130
Toluene	20.0	22.8		ug/L		114	70 - 130
trans-1,2-Dichloroethene	20.0	21.7		ug/L		108	70 - 130
trans-1,3-Dichloropropene	20.0	22.5		ug/L		113	50 - 150
Trichloroethene	20.0	19.8		ug/L		99	65 - 135
Vinyl chloride	20.0	20.1		ug/L		101	5 - 195
Xylenes, Total	40.0	44.9		ug/L		112	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		49 - 149
Bromofluorobenzene	105		66 - 132
Dibromofluoromethane (Surr)	99		55 - 150
Toluene-d8 (Surr)	101		69 - 121

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-964280/4

Matrix: Water

Analysis Batch: 964280

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	70 - 130	8	36
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	60 - 140	10	61
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 130	5	45
1,1-Dichloroethane	20.0	21.3		ug/L		106	70 - 130	3	40
1,1-Dichloroethene	20.0	19.3		ug/L		96	50 - 150	9	32
1,2-Dichloroethane	20.0	19.2		ug/L		96	70 - 130	9	49
1,2-Dichloropropane	20.0	20.5		ug/L		103	35 - 165	3	55
2-Butanone	100	102		ug/L		102	60 - 140	3	50
2-Hexanone	100	102		ug/L		102	60 - 140	1	50
4-Methyl-2-pentanone	100	99.0		ug/L		99	60 - 140	5	50
Acetone	100	107		ug/L		107	60 - 140	6	50
Benzene	20.0	21.9		ug/L		110	65 - 135	4	61
Bromodichloromethane	20.0	20.0		ug/L		100	65 - 135	9	56
Bromoform	20.0	21.3		ug/L		106	70 - 130	10	42
Bromomethane	20.0	20.8		ug/L		104	15 - 185	2	61
Carbon disulfide	20.0	21.5		ug/L		107	60 - 140	7	50
Carbon tetrachloride	20.0	20.3		ug/L		102	70 - 130	14	41
Chlorobenzene	20.0	20.9		ug/L		105	65 - 135	5	53
Chloroform	20.0	21.1		ug/L		106	70 - 135	3	54
Chloromethane	20.0	19.0		ug/L		95	0.1 - 205	8	60
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	60 - 140	4	50
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	25 - 175	8	58
Dibromochloromethane	20.0	19.5		ug/L		97	70 - 135	12	50
Ethyl Chloride	20.0	20.1		ug/L		101	40 - 160	2	78
Ethylbenzene	20.0	20.7		ug/L		103	60 - 140	4	63
Methylene Chloride	20.0	21.4		ug/L		107	60 - 140	10	28
MTBE	20.0	20.0		ug/L		100	60 - 140	1	50
Styrene	20.0	21.7		ug/L		109	60 - 140	7	50
TBA	200	194		ug/L		97	60 - 140	9	50
Tetrachloroethene	20.0	20.6		ug/L		103	70 - 130	6	39
Toluene	20.0	20.9		ug/L		104	70 - 130	9	41
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	70 - 130	2	45
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	50 - 150	11	86
Trichloroethene	20.0	19.4		ug/L		97	65 - 135	2	48
Vinyl chloride	20.0	18.2		ug/L		91	5 - 195	10	66
Xylenes, Total	40.0	42.3		ug/L		106	60 - 140	6	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		49 - 149
Bromofluorobenzene	101		66 - 132
Dibromofluoromethane (Surr)	99		55 - 150
Toluene-d8 (Surr)	100		69 - 121

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-299781-1 MS

Matrix: Water

Analysis Batch: 964280

Client Sample ID: MW-05B_20240311

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	19.6		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.6		ug/L		103	60 - 140
1,1,2-Trichloroethane	1.0	U	20.0	19.0		ug/L		95	70 - 130
1,1-Dichloroethane	1.0	U	20.0	19.7		ug/L		98	70 - 130
1,1-Dichloroethene	1.0	U	20.0	18.4		ug/L		92	50 - 150
1,2-Dichloroethane	1.0	U	20.0	19.9		ug/L		99	70 - 130
1,2-Dichloropropane	1.0	U	20.0	19.4		ug/L		97	35 - 165
2-Butanone	5.0	U	100	96.6		ug/L		97	60 - 140
2-Hexanone	5.0	U	100	94.1		ug/L		94	60 - 140
4-Methyl-2-pentanone	5.0	U	100	99.8		ug/L		100	60 - 140
Acetone	6.0	U	100	98.7		ug/L		99	60 - 140
Benzene	1.0	U	20.0	21.8		ug/L		109	65 - 135
Bromodichloromethane	1.0	U	20.0	18.8		ug/L		94	65 - 135
Bromoform	1.0	U	20.0	21.6		ug/L		108	70 - 130
Bromomethane	1.0	U	20.0	19.3		ug/L		97	15 - 185
Carbon disulfide	1.0	U	20.0	20.0		ug/L		100	60 - 140
Carbon tetrachloride	1.0	U	20.0	20.6		ug/L		103	70 - 130
Chlorobenzene	1.0	U	20.0	20.4		ug/L		102	65 - 135
Chloroform	1.0	U	20.0	20.7		ug/L		103	70 - 135
Chloromethane	1.0	U	20.0	17.9		ug/L		89	0.1 - 205
cis-1,2-Dichloroethene	1.0	U	20.0	18.8		ug/L		94	60 - 140
cis-1,3-Dichloropropene	1.0	U	20.0	20.1		ug/L		100	25 - 175
Dibromochloromethane	1.0	U	20.0	20.2		ug/L		101	70 - 135
Ethyl Chloride	1.0	U	20.0	18.3		ug/L		92	40 - 160
Ethylbenzene	1.0	U	20.0	20.8		ug/L		104	60 - 140
Methylene Chloride	1.0	U	20.0	20.1		ug/L		100	60 - 140
MTBE	0.84	J	20.0	19.8		ug/L		95	60 - 140
Styrene	1.0	U	20.0	20.5		ug/L		103	60 - 140
TBA	10	U	200	201		ug/L		101	60 - 140
Tetrachloroethene	1.0	U	20.0	19.9		ug/L		100	70 - 130
Toluene	1.0	U	20.0	20.5		ug/L		102	70 - 130
trans-1,2-Dichloroethene	1.0	U	20.0	20.7		ug/L		104	70 - 130
trans-1,3-Dichloropropene	1.0	U	20.0	20.1		ug/L		100	50 - 150
Trichloroethene	1.0	U	20.0	18.4		ug/L		92	65 - 135
Vinyl chloride	1.0	U	20.0	17.5		ug/L		88	5 - 195
Xylenes, Total	2.0	U	40.0	40.7		ug/L		102	60 - 140
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		49 - 149						
Bromofluorobenzene	106		66 - 132						
Dibromofluoromethane (Surr)	102		55 - 150						
Toluene-d8 (Surr)	105		69 - 121						

QC Sample Results

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-299781-1 MSD

Matrix: Water

Analysis Batch: 964280

Client Sample ID: MW-05B_20240311

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	21.5		ug/L		108	70 - 130	9	36
1,1,2,2-Tetrachloroethane	1.0	U	20.0	21.5		ug/L		107	60 - 140	4	61
1,1,2-Trichloroethane	1.0	U	20.0	19.1		ug/L		96	70 - 130	1	45
1,1-Dichloroethane	1.0	U	20.0	20.8		ug/L		104	70 - 130	6	40
1,1-Dichloroethene	1.0	U	20.0	19.9		ug/L		99	50 - 150	8	32
1,2-Dichloroethane	1.0	U	20.0	19.9		ug/L		100	70 - 130	0	49
1,2-Dichloropropane	1.0	U	20.0	19.1		ug/L		96	35 - 165	1	55
2-Butanone	5.0	U	100	94.9		ug/L		95	60 - 140	2	50
2-Hexanone	5.0	U	100	99.8		ug/L		100	60 - 140	6	50
4-Methyl-2-pentanone	5.0	U	100	101		ug/L		101	60 - 140	2	50
Acetone	6.0	U	100	88.0		ug/L		88	60 - 140	11	50
Benzene	1.0	U	20.0	21.8		ug/L		109	65 - 135	0	61
Bromodichloromethane	1.0	U	20.0	20.2		ug/L		101	65 - 135	7	56
Bromoform	1.0	U	20.0	22.0		ug/L		110	70 - 130	2	42
Bromomethane	1.0	U	20.0	20.4		ug/L		102	15 - 185	6	61
Carbon disulfide	1.0	U	20.0	22.0		ug/L		110	60 - 140	9	50
Carbon tetrachloride	1.0	U	20.0	21.2		ug/L		106	70 - 130	3	41
Chlorobenzene	1.0	U	20.0	20.7		ug/L		104	65 - 135	2	53
Chloroform	1.0	U	20.0	21.2		ug/L		106	70 - 135	3	54
Chloromethane	1.0	U	20.0	18.7		ug/L		94	0.1 - 205	5	60
cis-1,2-Dichloroethene	1.0	U	20.0	20.5		ug/L		103	60 - 140	9	50
cis-1,3-Dichloropropene	1.0	U	20.0	21.5		ug/L		108	25 - 175	7	58
Dibromochloromethane	1.0	U	20.0	21.5		ug/L		108	70 - 135	6	50
Ethyl Chloride	1.0	U	20.0	19.7		ug/L		98	40 - 160	7	78
Ethylbenzene	1.0	U	20.0	21.4		ug/L		107	60 - 140	3	63
Methylene Chloride	1.0	U	20.0	21.5		ug/L		108	60 - 140	7	28
MTBE	0.84	J	20.0	20.4		ug/L		98	60 - 140	3	50
Styrene	1.0	U	20.0	21.1		ug/L		105	60 - 140	3	50
TBA	10	U	200	215		ug/L		108	60 - 140	7	50
Tetrachloroethene	1.0	U	20.0	21.0		ug/L		105	70 - 130	5	39
Toluene	1.0	U	20.0	21.3		ug/L		107	70 - 130	4	41
trans-1,2-Dichloroethene	1.0	U	20.0	21.0		ug/L		105	70 - 130	1	45
trans-1,3-Dichloropropene	1.0	U	20.0	19.9		ug/L		99	50 - 150	1	86
Trichloroethene	1.0	U	20.0	19.1		ug/L		95	65 - 135	4	48
Vinyl chloride	1.0	U	20.0	18.3		ug/L		91	5 - 195	4	66
Xylenes, Total	2.0	U	40.0	41.8		ug/L		105	60 - 140	3	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		49 - 149
Bromofluorobenzene	97		66 - 132
Dibromofluoromethane (Surr)	99		55 - 150
Toluene-d8 (Surr)	98		69 - 121

Definitions/Glossary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

QC Association Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

GC/MS VOA

Analysis Batch: 964128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-299781-4	MW-DUP_20240311	Total/NA	Water	624.1	
460-299781-5	FB_20240311	Total/NA	Water	624.1	
460-299781-6	TB_20240311	Total/NA	Water	624.1	
MB 460-964128/9	Method Blank	Total/NA	Water	624.1	
LCS 460-964128/4	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-964128/5	Lab Control Sample Dup	Total/NA	Water	624.1	

Analysis Batch: 964280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-299781-1	MW-05B_20240311	Total/NA	Water	624.1	
460-299781-2	MW-06B_20240311	Total/NA	Water	624.1	
460-299781-3	MW-08B_20240311	Total/NA	Water	624.1	
MB 460-964280/7	Method Blank	Total/NA	Water	624.1	
LCS 460-964280/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-964280/4	Lab Control Sample Dup	Total/NA	Water	624.1	
460-299781-1 MS	MW-05B_20240311	Total/NA	Water	624.1	
460-299781-1 MSD	MW-05B_20240311	Total/NA	Water	624.1	

Lab Chronicle

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Client Sample ID: MW-05B_20240311

Lab Sample ID: 460-299781-1

Date Collected: 03/11/24 13:00

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964280	VZD	EET EDI	03/15/24 12:24

Client Sample ID: MW-06B_20240311

Lab Sample ID: 460-299781-2

Date Collected: 03/11/24 14:00

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964280	VZD	EET EDI	03/15/24 12:47

Client Sample ID: MW-08B_20240311

Lab Sample ID: 460-299781-3

Date Collected: 03/11/24 09:00

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964280	VZD	EET EDI	03/15/24 13:10

Client Sample ID: MW-DUP_20240311

Lab Sample ID: 460-299781-4

Date Collected: 03/11/24 13:10

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964128	VBP	EET EDI	03/15/24 00:46

Client Sample ID: FB_20240311

Lab Sample ID: 460-299781-5

Date Collected: 03/11/24 12:30

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964128	VBP	EET EDI	03/14/24 22:18

Client Sample ID: TB_20240311

Lab Sample ID: 460-299781-6

Date Collected: 03/11/24 12:00

Matrix: Water

Date Received: 03/12/24 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	964128	VBP	EET EDI	03/14/24 22:40

Laboratory References:

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

Eurofins Edison

Accreditation/Certification Summary

Client: AKRF Inc
Project/Site: Queens Animal Shelter

Job ID: 460-299781-1

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	2-Butanone
624.1		Water	2-Hexanone
624.1		Water	Carbon disulfide

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
14DIOXINTER 00164	01/23/24	12/23/23	MeOH, Lot 22L0562016	10 mL	14DIOXINTER 00154	100 uL	1,4-Dioxane	500.001 ug/mL
.14DIOXINTER_00154	02/28/25	03/31/23	MeOH, Lot 22C2862010	10 mL	14DIOXNEAT_00004	483.56 uL	1,4-Dioxane	50000.1 ug/mL
..14DIOXNEAT_00004	02/28/25	SIGMA-ALDRICH, Lot BCCH3811			(Purchased Reagent)		1,4-Dioxane	1.034 g/g
8260 SP_00175	01/30/24	12/30/23	MeOH, Lot 22L0562016	10 mL	ETHANOLnewSS_00009	200 uL	Ethanol	2000 ug/mL
					Extra Cmpd SS_00011	200 uL	Pentane	100 ug/mL
					KetonesC SS_00015	200 uL	2-Butanone	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone	250 ug/mL
							Acetone	250 ug/mL
					List2/Std6 SS_00011	200 uL	Isopropyl alcohol	500 ug/mL
							n-Butanol	1250 ug/mL
					List2/Std7SS_00011	200 uL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					Mega Mix SS_00020	200 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichloropropene, Total	100 ug/mL
							1,4-Dioxane	1000 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methylene Chloride	50 ug/mL
							MTBE	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							TBA	500 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					POLAR ADD SS_00016	200 uL	Acetonitrile	500 ug/mL
					Vinyl Acetate_00095	200 uL	Vinyl acetate	100 ug/mL
.ETHANOLnewSS_00009	01/31/26		RESTEK, Lot A0193775		(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd SS_00011	01/30/24		Asolute, Lot 123020		(Purchased Reagent)		Pentane	5000 ug/mL
.KetonesC SS_00015	02/28/26		RESTEK, Lot A0194631		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.List2/Std6 SS_00011	07/31/24		RESTEK, Lot A0193865		(Purchased Reagent)		Isopropyl alcohol	25000 ug/mL
							n-Butanol	62500 ug/mL
.List2/Std7SS_00011	08/31/24		RESTEK, Lot A0194573		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
.Mega Mix SS_00020	08/31/25		RESTEK, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichloropropene, Total	5000 ug/mL
							1,4-Dioxane	50000 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methylene Chloride	2500 ug/mL
							MTBE	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							TBA	25000 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	5000 ug/mL
.POLAR ADD SS_00016	09/30/24		RESTEK, Lot A0189867		(Purchased Reagent)		Acetonitrile	25000 ug/mL
.Vinyl Acetate_00095	04/30/24		RESTEK, Lot A0190670		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260 SP_00176	02/17/24	01/17/24	MeOH, Lot 22L0562016	10 mL	ETHANOLnewSS_00009	200 uL	Ethanol	2000 ug/mL
					Extra Cmpd SS_00012	200 uL	Pentane	100 ug/mL
					KetonesC SS_00016	200 uL	2-Butanone	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone	250 ug/mL
							Acetone	250 ug/mL
					List2/Std6 SS_00011	200 uL	Isopropyl alcohol	500 ug/mL
							n-Butanol	1250 ug/mL
					List2/Std7SS_00011	200 uL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					Mega Mix SS_00020	200 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichloropropene, Total	100 ug/mL
							1,4-Dioxane	1000 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methylene Chloride	50 ug/mL
							MTBE	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							TBA	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					POLAR ADD SS_00016	200 uL	Acetonitrile	500 ug/mL
Vinyl Acetate_00095	200 uL	Vinyl acetate	100 ug/mL					
.ETHANOLnewSS_00009	01/31/26	RESTEK, Lot A0193775			(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd SS_00012	01/10/27	Asolute, Lot 011024			(Purchased Reagent)		Pentane	5000 ug/mL
.KetonesC SS_00016	02/28/26	RESTEK, Lot A0194631			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
							.List2/Std6 SS_00011	07/31/24
					(Purchased Reagent)		n-Butanol	62500 ug/mL
							Ethyl acetate	5000 ug/mL
.List2/Std7SS_00011	08/31/24	RESTEK, Lot A0194573			(Purchased Reagent)		Methyl methacrylate	5000 ug/mL
.Mega Mix SS_00020	08/31/25	RESTEK, Lot A0195252			(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichloropropene, Total	5000 ug/mL
							1,4-Dioxane	50000 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methylene Chloride	2500 ug/mL
							MTBE	2500 ug/mL
							o-Xylene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	2500 ug/mL
							TBA	25000 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.POLAR ADD SS_00016	09/30/24		RESTEK, Lot A0189867		(Purchased Reagent)		Xylenes, Total	5000 ug/mL
.Vinyl Acetate_00095	04/30/24		RESTEK, Lot A0190670		(Purchased Reagent)		Acetonitrile	25000 ug/mL
8260ISNEW_00171	05/31/26		RESTEK, Lot A0172729		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
							1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
8260ISNEW_00192	05/31/28		RESTEK, Lot A0198586		(Purchased Reagent)		TBA-d9 (IS)	5000 ug/mL
							1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
8260MIX1COMB_00181	01/20/24	12/20/23	MeOH, Lot 22L0562016	50 mL	2-CEVEC_00027	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00020	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00021	1 mL	2-Methyl-1,3-butadiene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Isopropyl acetate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00027	1 mL	2-Butanone	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone	250 ug/mL
							Acetone	250 ug/mL
					LIST2/STD6_00019	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							Benzyl chloride	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00022	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					Mega Mix_00036	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Isopropylbenzene	50 ug/mL					
							m-Xylene & p-Xylene	50 ug/mL					
							Methyl acetate	100 ug/mL					
							Methylcyclohexane	50 ug/mL					
							Methylene Chloride	50 ug/mL					
							MTBE	50 ug/mL					
							n-Butylbenzene	50 ug/mL					
							n-Heptane	50 ug/mL					
							N-Propylbenzene	50 ug/mL					
							Naphthalene	50 ug/mL					
							o-Xylene	50 ug/mL					
							sec-Butylbenzene	50 ug/mL					
							Styrene	50 ug/mL					
							TBA	500 ug/mL					
							tert-Butylbenzene	50 ug/mL					
							Tetrachloroethene	50 ug/mL					
							Tetrahydrofuran	100 ug/mL					
							Toluene	50 ug/mL					
							trans-1,2-Dichloroethene	50 ug/mL					
							trans-1,3-Dichloropropene	50 ug/mL					
							Trichloroethene	50 ug/mL					
					POLAR_ADD_00025	1 mL	Acetonitrile	500 ug/mL					
												Isopropyl ether	50 ug/mL
												Vinyl Acetate_00097	1 mL
		2-Chloroethyl vinyl ether	2506 ug/mL										
.2-CEVEC_00027	01/31/26		RESTEK, Lot A0193735		(Purchased Reagent)		Epichlorohydrin	100000 ug/mL					
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL							
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g					
.ETHANOL(new)_00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL					
.Extra_Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		2-Methyl-1,3-butadiene	2500 ug/mL					
							Amyl acetate (mixed isomers)	2500 ug/mL					
							Butyl Methacrylate	2500 ug/mL					
							Isopropyl acetate	2500 ug/mL					
							n-Butyl acrylate	2500 ug/mL					
							n-Propyl acetate	2500 ug/mL					
							Pentane	5000 ug/mL					
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone	12500 ug/mL					
							2-Hexanone	12500 ug/mL					
							4-Methyl-2-pentanone	12500 ug/mL					
							Acetone	12500 ug/mL					
							1,2,3-Trimethylbenzene	2500 ug/mL					
.LIST2/STD6_00019	09/30/24		RESTEK, Lot A0195733		(Purchased Reagent)		Benzyl chloride	2500 ug/mL					
							Isopropyl alcohol	25000 ug/mL					
							n-Butanol	62500 ug/mL					
							Ethyl acetate	5000 ug/mL					
							Ethyl acrylate	2500 ug/mL					
							Methyl methacrylate	5000 ug/mL					
							n-Butyl acetate	2500 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropene	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							MTBE	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							TBA	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
.POLAR ADD_00025	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		trans-1,2-Dichloroethene	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		trans-1,3-Dichloropropene	2500 ug/mL
8260MIX1COMB_00181	01/20/24	12/20/23	MeOH, Lot 22L0562016	50 mL	Mega Mix_00036	1 mL	Trichloroethene	2500 ug/mL
							Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Vinyl acetate	5000 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,3-Dichloropropene, Total	100 ug/mL
							Total BTEX	250 ug/mL
							Xylenes, Total	100 ug/mL
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,2-Dichloroethene, Total	5000 ug/mL
							1,3-Dichloropropene, Total	5000 ug/mL
							Total BTEX	12500 ug/mL
							Xylenes, Total	5000 ug/mL
8260MIX1COMB_00183	03/08/24	02/08/24	MeOH, Lot 22L0562016	50 mL	2-CEVEC_00028	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00020	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00021	1 mL	2-Methyl-1,3-butadiene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Isopropyl acetate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00027	1 mL	2-Butanone	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone	250 ug/mL
							Acetone	250 ug/mL
					LIST2/STD6_00020	1 mL	1,2,3-Trimethylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					Mega Mix_00037	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							MTBE	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							TBA	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
					POLAR_ADD_00026	1 mL	Acetonitrile	500 ug/mL
					Vinyl Acetate_00097	1 mL	Isopropyl ether	50 ug/mL
							Vinyl acetate	100 ug/mL
.2-CEVEC_00028	09/30/26	RESTEK, Lot A0202590			(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25	FLUKA, Lot SHBD0368V			(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.ETHANOL(new)_00020	03/31/26	RESTEK, Lot A0195429			(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd_00021	09/29/25	Absolute, Lot 092922			(Purchased Reagent)		2-Methyl-1,3-butadiene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							Pentane	5000 ug/mL
.KetonesC_00027	01/31/26	RESTEK, Lot A0193494			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.LIST2/STD6_00020	04/30/25	RESTEK, Lot A0203604			(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration	
					Reagent ID	Volume Added			
							Dibromomethane	2500 ug/mL	
							Ethyl ether	2500 ug/mL	
							Ethylbenzene	2500 ug/mL	
							Ethylene Dibromide	2500 ug/mL	
							Hexachlorobutadiene	2500 ug/mL	
							Hexane	2500 ug/mL	
							Iodomethane	2500 ug/mL	
							Isopropylbenzene	2500 ug/mL	
							m-Xylene & p-Xylene	2500 ug/mL	
							Methyl acetate	5000 ug/mL	
							Methylcyclohexane	2500 ug/mL	
							Methylene Chloride	2500 ug/mL	
							MTBE	2500 ug/mL	
							n-Butylbenzene	2500 ug/mL	
							n-Heptane	2500 ug/mL	
							N-Propylbenzene	2500 ug/mL	
							Naphthalene	2500 ug/mL	
							o-Xylene	2500 ug/mL	
							sec-Butylbenzene	2500 ug/mL	
							Styrene	2500 ug/mL	
							TBA	25000 ug/mL	
							tert-Butylbenzene	2500 ug/mL	
							Tetrachloroethene	2500 ug/mL	
							Tetrahydrofuran	5000 ug/mL	
							Toluene	2500 ug/mL	
							trans-1,2-Dichloroethene	2500 ug/mL	
							trans-1,3-Dichloropropene	2500 ug/mL	
Trichloroethene	2500 ug/mL								
.POLAR ADD_00026	02/28/25	RESTEK, Lot A0194786			(Purchased Reagent)		Acetonitrile	25000 ug/mL	
.Vinyl Acetate 00097	01/31/25	RESTEK, Lot A0200199			(Purchased Reagent)		Isopropyl ether	2500 ug/mL	
8260MIX1COMB_00183	03/08/24	02/08/24	MeOH, Lot 22L0562016	50 mL	Mega Mix_00037	1 mL	Vinyl acetate	5000 ug/mL	
	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,2-Dichloroethene, Total	100 ug/mL	
							1,3-Dichloropropene, Total	100 ug/mL	
							Total BTEX	250 ug/mL	
							Xylenes, Total	100 ug/mL	
					(Purchased Reagent)		1,2-Dichloroethene, Total	5000 ug/mL	
							1,3-Dichloropropene, Total	5000 ug/mL	
							Total BTEX	12500 ug/mL	
							Xylenes, Total	5000 ug/mL	
8260MIX1COMB_00184	03/29/24	02/29/24	MeOH, Lot 22L0562016	50 mL	EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL	
						1 mL	ETHANOL(new_00021	2000 ug/mL	
							Extra Cmpd 00021	100 ug/mL	
							KetonesC_00027	2-Butanone	250 ug/mL
								2-Hexanone	250 ug/mL
						1 mL	4-Methyl-2-pentanone	250 ug/mL	
							Acetone	250 ug/mL	
							LIST2/STD6 00020	Isopropyl alcohol	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	1250 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					Mega Mix_00037	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloroethene, Total	100 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichloropropene, Total	100 ug/mL
							1,4-Dioxane	1000 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methylene Chloride	50 ug/mL
							MTBE	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							TBA	500 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					POLAR ADD 00026	1 mL	Acetonitrile	500 ug/mL
					Vinyl Acetate 00097	1 mL	Vinyl acetate	100 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT) 00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.ETHANOL(new) 00021	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd 00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		Pentane	5000 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.LIST2/STD6_00020	04/30/25		RESTEK, Lot A0203604		(Purchased Reagent)		Isopropyl alcohol	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloroethene, Total	5000 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichloropropene, Total	5000 ug/mL
							1,4-Dioxane	50000 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methylene Chloride	2500 ug/mL
							MTBE	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							TBA	25000 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Xylenes, Total	5000 ug/mL
.POLAR ADD_00026	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260SURR250_00243	02/11/24	12/11/23	MeOH, Lot 22L0562016	50 mL	8260 SURR C_00059	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8260 SURR C_00059	01/31/28		RESTEK, Lot A0193766		(Purchased Reagent)		Toluene-d8 (Surr)	250 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
8260SURR250_00244	02/21/24	12/21/23	MeOH, Lot 22L0562016	50 mL	8260 SURR C_00062	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
8260SURR250_00245	04/17/24	02/17/24	MeOH, Lot 22L0562016	50 mL	8260 SURR C_00062	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
ACROLEIN W_00164	01/31/24	12/31/23	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACROLEIN W_00165	02/29/24	01/31/24	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACROLEIN W_00166	03/23/24	02/23/24	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACRY/EPIH MIX_00120	01/21/24	12/21/23	MeOH, Lot 22L0562016	10 mL	Acrylonitrile 00009	500 uL	Acrylonitrile	50 ug/mL
.Acrylonitrile 00009	11/18/24		ABSOLUTE, Lot 111821		EPICH(working_00013	12.5 uL	Epichlorohydrin	125 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	(Purchased Reagent)		Acrylonitrile	1000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
					(Purchased Reagent)		Epichlorohydrin	1.183 g/g
ACRY/EPIH MIX_00121	02/20/24	01/20/24	MeOH, Lot 22L0562016	10 mL	Acrylonitrile_00009	500 uL	Acrylonitrile	50 ug/mL
.Acrylonitrile_00009	11/18/24		ABSOLUTE, Lot 111821		EPICH(working_00013	12.5 uL	Epichlorohydrin	125 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	(Purchased Reagent)		Acrylonitrile	1000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
					(Purchased Reagent)		Epichlorohydrin	1.183 g/g
BFB_00035							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
					VMC21SU_00011	200 uL	BFB	50 ug/mL
							Bromofluorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMC21SU_00011	03/08/27		Absolute, Lot 030822		(Purchased Reagent)		BFB	2500 ug/mL
							Bromofluorobenzene	2500 ug/mL
Ethanol mix 00084	01/05/24	12/05/23	MeOH, Lot 22L0562016	5 mL	ETHANOL(new) 00020	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new) 00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
Ethanol mix 00086	03/01/24	02/01/24	MeOH, Lot 22L0562016	5 mL	ETHANOL(new) 00020	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new) 00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
GAS C SP_00548	01/06/24	12/30/23	MeOH, Lot 22L0562016	10 mL	GASES SS_00022	0.2 mL	Bromomethane	50 ug/mL
							Chloromethane	50 ug/mL
							Ethyl Chloride	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES SS_00022	05/31/26		RESTEK, Lot A0197640		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS C SP_00554	02/17/24	02/10/24	MeOH, Lot 22L0562016	10 mL	GASES SS_00023	0.2 mL	Bromomethane	50 ug/mL
							Chloromethane	50 ug/mL
							Ethyl Chloride	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES SS_00023	07/31/26		RESTEK, Lot A0200059		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS Hi_00459	01/12/24	12/29/23	MeOH, Lot 22L0562016	5 mL	GASES C_00039	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL
							Chloromethane	500 ug/mL
							Dichlorodifluoromethane	500 ug/mL
							Ethyl Chloride	500 ug/mL
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00039	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS Hi_00463	02/29/24	02/15/24	MeOH, Lot 22L0562016	5 mL	GASES C_00040	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL
							Chloromethane	500 ug/mL
							Dichlorodifluoromethane	500 ug/mL
							Ethyl Chloride	500 ug/mL
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00565	01/06/24	12/30/23	MeOH, Lot 22L0562016	25 mL	GASES C_00039	0.5 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Ethyl Chloride	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00039	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00571	02/17/24	02/10/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Ethyl Chloride	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00575	03/16/24	03/09/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Chloromethane	50 ug/mL
							Ethyl Chloride	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Ethyl Chloride	2500 ug/mL
							Vinyl chloride	2500 ug/mL
MIX 2 Hi_00143	01/05/24	12/05/23	MeOH, Lot 22L0562016	5 mL	2-CEVEC 00027	1 mL	2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00020	1 mL	2-Methyl-1,3-butadiene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Isopropyl acetate	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butyl acrylate	500 ug/mL
							n-Propyl acetate	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00019	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							Benzyl chloride	500 ug/mL
							Isopropyl alcohol	5000 ug/mL
					LIST2/STD7_00022	1 mL	n-Butanol	12500 ug/mL
							Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
					POLAR ADD_00025	1 mL	Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL
							Acetonitrile	5000 ug/mL
							Isopropyl ether	500 ug/mL
.2-CEVEC_00027	01/31/26	RESTEK, Lot A0193735			(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.Extra Cmpd_00020	09/29/25	Absolute, Lot 092922			(Purchased Reagent)		2-Methyl-1,3-butadiene	2500 ug/mL
						Amyl acetate (mixed isomers)	2500 ug/mL	
						Butyl Methacrylate	2500 ug/mL	
						Isopropyl acetate	2500 ug/mL	
						n-Butyl acrylate	2500 ug/mL	
						n-Propyl acetate	2500 ug/mL	
.LIST2/STD6_00019	09/30/24	RESTEK, Lot A0195733			(Purchased Reagent)		Pentane	5000 ug/mL
						1,2,3-Trimethylbenzene	2500 ug/mL	
						Benzyl chloride	2500 ug/mL	
						Isopropyl alcohol	25000 ug/mL	
						n-Butanol	62500 ug/mL	
.LIST2/STD7_00022	03/31/24	RESTEK, Lot A0189215			(Purchased Reagent)		Ethyl acetate	5000 ug/mL
						Ethyl acrylate	2500 ug/mL	
						Methyl methacrylate	5000 ug/mL	
						n-Butyl acetate	2500 ug/mL	
.POLAR ADD_00025	02/28/25	RESTEK, Lot A0194786			(Purchased Reagent)		Acetonitrile	25000 ug/mL
						Isopropyl ether	2500 ug/mL	
MIX 2 Hi_00145	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	2-CEVEC_00027		2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00021	1 mL	2-Methyl-1,3-butadiene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Isopropyl acetate	500 ug/mL
							n-Butyl acrylate	500 ug/mL
							n-Propyl acetate	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00019	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							Benzyl chloride	500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							n-Butanol	12500 ug/mL
					LIST2/STD7_00022	1 mL	Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
							Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					POLAR ADD_00025	1 mL	Acetonitrile	5000 ug/mL
.2-CEVEC_00027	01/31/26		RESTEK, Lot A0193735		(Purchased Reagent)		Isopropyl ether	500 ug/mL
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							Pentane	5000 ug/mL
.LIST2/STD6_00019	09/30/24		RESTEK, Lot A0195733		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							Benzyl chloride	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00022	03/31/24		RESTEK, Lot A0189215		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.POLAR ADD_00025	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
MIX I Hi_00171	01/05/24	12/05/23	MeOH, Lot 22L0562016	5 mL	EPICH(working_00013	0.5 mL	Epichlorohydrin	10000 ug/mL
					KetonesC_00027	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone	2500 ug/mL
							Acetone	2500 ug/mL
					Mega Mix_00036	1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL
							1,1,1-Trichloroethane	500 ug/mL
							1,1,2,2-Tetrachloroethane	500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	500 ug/mL
							1,1,2-Trichloroethane	500 ug/mL
							1,1-Dichloroethane	500 ug/mL
							1,1-Dichloroethene	500 ug/mL
							1,1-Dichloropropene	500 ug/mL
							1,2,3-Trichlorobenzene	500 ug/mL
							1,2,3-Trichloropropane	500 ug/mL
							1,2,4-Trichlorobenzene	500 ug/mL
							1,2,4-Trimethylbenzene	500 ug/mL
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromodichloromethane	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromochloromethane	500 ug/mL
							Dibromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							MTBE	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							TBA	5000 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							Trichloroethene	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	Vinyl Acetate 00097	1 mL	Vinyl acetate	1000 ug/mL
					EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT) 00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluor oethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration						
					Reagent ID	Volume Added								
							Dibromochloromethane	2500 ug/mL						
							Dibromomethane	2500 ug/mL						
							Ethyl ether	2500 ug/mL						
							Ethylbenzene	2500 ug/mL						
							Ethylene Dibromide	2500 ug/mL						
							Hexachlorobutadiene	2500 ug/mL						
							Hexane	2500 ug/mL						
							Iodomethane	2500 ug/mL						
							Isopropylbenzene	2500 ug/mL						
							m-Xylene & p-Xylene	2500 ug/mL						
							Methyl acetate	5000 ug/mL						
							Methylcyclohexane	2500 ug/mL						
							Methylene Chloride	2500 ug/mL						
							MTBE	2500 ug/mL						
							n-Butylbenzene	2500 ug/mL						
							n-Heptane	2500 ug/mL						
							N-Propylbenzene	2500 ug/mL						
							Naphthalene	2500 ug/mL						
							o-Xylene	2500 ug/mL						
							sec-Butylbenzene	2500 ug/mL						
							Styrene	2500 ug/mL						
							TBA	25000 ug/mL						
							tert-Butylbenzene	2500 ug/mL						
							Tetrachloroethene	2500 ug/mL						
							Tetrahydrofuran	5000 ug/mL						
							Toluene	2500 ug/mL						
							trans-1,2-Dichloroethene	2500 ug/mL						
							trans-1,3-Dichloropropene	2500 ug/mL						
							Trichloroethene	2500 ug/mL						
.Vinyl Acetate_00097	01/31/25	RESTEK, Lot A0200199			(Purchased Reagent)		Vinyl acetate	5000 ug/mL						
MIX I Hi_00173	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	EPICH(working_00013 KetonesC_00027	0.5 mL	Epichlorohydrin	10000 ug/mL						
							2-Butanone	2500 ug/mL						
						1 mL	2-Hexanone	2500 ug/mL						
							4-Methyl-2-pentanone	2500 ug/mL						
							Acetone	2500 ug/mL						
					Mega Mix_00036		1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL					
						1,1,1-Trichloroethane		500 ug/mL						
						1,1,2,2-Tetrachloroethane		500 ug/mL						
						1,1,2-Trichloro-1,2,2-trifluor oethane		500 ug/mL						
						1,1,2-Trichloroethane		500 ug/mL						
						1,1-Dichloroethane		500 ug/mL						
						1,1-Dichloroethene		500 ug/mL						
						1,1-Dichloropropene		500 ug/mL						
						1,2,3-Trichlorobenzene		500 ug/mL						
						1,2,3-Trichloropropane		500 ug/mL						
						1,2,4-Trichlorobenzene		500 ug/mL						

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	500 ug/mL
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromodichloromethane	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromochloromethane	500 ug/mL
							Dibromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							MTBE	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							TBA	5000 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							Trichloroethene	500 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	Vinyl Acetate 00097	1 mL	Vinyl acetate	1000 ug/mL
..EPICHLO(NEAT) 00001	09/24/25		FLUKA, Lot SHBD0368V		EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568				2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
							1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							MTBE	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							TBA	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00097	01/31/25	RESTEK, Lot A0200199			(Purchased Reagent)		Vinyl acetate	5000 ug/mL
VMTBA500_00044	01/26/24	12/26/23	MeOH, Lot 22L0562016	2 mL	TBA AB_00006	50 uL	TBA	500 ug/mL
.TBA AB_00006	12/08/26	ABSOLUTE, Lot 120821			(Purchased Reagent)		TBA	20000 ug/mL
VMTBA500_00045	02/20/24	01/20/24	MeOH, Lot 22L0562016	2 mL	TBA AB_00007	50 uL	TBA	500 ug/mL
.TBA AB_00007	11/11/25	ABSOLUTE, Lot 111120			(Purchased Reagent)		TBA	20000 ug/mL

Reagent

14DIOXNEAT_00004

Certificate of Analysis

Product Name:

1,4-Dioxane - analytical standard

Product Number:

76887

Batch Number:

BCCH3811

Brand:

SIAL

CAS Number:

123-91-1

Formula:

C₄H₈O₂

Formula Weight:

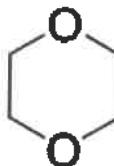
88,11 g/mol

Quality Release Date:

18 MAR 2022

Expiration Date:

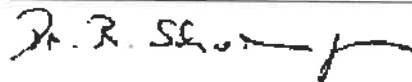
FEB 2025



R2386

MS 3/31/23 # 10669636

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity (GC)	≥ 99.5 %	100.0 %
Refractive index at 20 °C	1.421 - 1.423	1.422
Water (Coulometric)	≤ 0.05 %	0.03 %
Peroxide (as H ₂ O ₂)	≤ 50.00 mg/kg	< 50.00 mg/kg



Dr. Reinhold Schwenninger

Quality Assurance

Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Reagent

2-CEVEC_00027



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R2434
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569723 Lot No.: A0193735
Description: 8260 List 1 / Std #4 2-CEVE (2015)
8260 List 1 / Std #4 2-CEVE (2015) 2,500 µg/mL, P&T Methanol,
1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: January 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,500.0 µg/mL	+/- 31.1129

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

2-CEVEC_00028



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R2467
1/25/2024 MS #11480075

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 Lot No.: A0202590
Description : 8260 List 1 / Std #4 2-CEVE (2015)
8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2026 Storage: 0°C or colder
Shlp: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,518.0 µg/mL	+/- 31.3370

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

8260 SURR C_00059



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R2412
MS 6/27/23 #10934241



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 Lot No.: A0193766
Description : 8260 Surrogate Standard
8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul
Container Size : 5 mL Pkg Amt: > 5 mL
Expiration Date : January 31, 2028 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,513.8 µg/mL	+/- 141.2116
2	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	2,514.1 µg/mL	+/- 141.2326
3	Toluene-d8	2037-26-5	PR-33397	99%	2,513.0 µg/mL	+/- 141.1694
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,513.8 µg/mL	+/- 141.2116

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Page 61 of 872

Reagent

8260 SURR C_00062



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R2460

#11392126



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MS 12/14/23

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 Lot No.: A0201943
Description : 8260 Surrogate Standard
8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul
Container Size : 5 mL Pkg Amt: > 5 mL
Expiration Date : September 30, 2028 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

8260ISNEW_00171



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0172729

Description : 8260 Internal Standard 2014
8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water
(90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butyl-d9-alcohol CAS # 25725-11-5 Purity 99% (Lot CD-107)	5,000.7 µg/mL	+/- 29.0730	µg/mL	Gravimetric
			+/- 107.0652	µg/mL	Unstressed
			+/- 110.1778	µg/mL	Stressed
2	2-Butanone-d5 CAS # 24313-50-6 Purity 99% (Lot M-276)	1,250.3 µg/mL	+/- 7.2695	µg/mL	Gravimetric
			+/- 26.7698	µg/mL	Unstressed
			+/- 27.5480	µg/mL	Stressed
3	Fluorobenzene CAS # 462-06-6 Purity 99% (Lot BCBZ5549)	250.6 µg/mL	+/- 1.4604	µg/mL	Gravimetric
			+/- 5.3663	µg/mL	Unstressed
			+/- 5.5222	µg/mL	Stressed
4	1,4-Dioxane-d8 CAS # 17647-74-4 Purity 99% (Lot RP210421V)	5,000.9 µg/mL	+/- 29.0740	µg/mL	Gravimetric
			+/- 107.0687	µg/mL	Unstressed
			+/- 110.1814	µg/mL	Stressed
5	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-29571)	250.8 µg/mL	+/- 1.4615	µg/mL	Gravimetric
			+/- 5.3706	µg/mL	Unstressed
			+/- 5.5267	µg/mL	Stressed
6	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-30447)	250.4 µg/mL	+/- 1.4590	µg/mL	Gravimetric
			+/- 5.3613	µg/mL	Unstressed
			+/- 5.5171	µg/mL	Stressed

Reagent

8260ISNEW_00192

R 2429



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 568718 Lot No.: A0198586

Description: 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size: 5 mL Pkg Amt: > 5 mL

Expiration Date: May 31, 2028 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,003.0 µg/mL	+/- 62.1338
2	2-Butanone-d5	24313-50-6	M-276	99%	1,252.5 µg/mL	+/- 15.5555
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.4 µg/mL	+/- 3.1114
4	1,4-Dioxane-d8	17647-74-4	RP230202	99%	5,014.5 µg/mL	+/- 62.2773
5	Chlorobenzene-d5	3114-55-4	PR-29571	99%	251.0 µg/mL	+/- 3.1189
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	250.2 µg/mL	+/- 3.1083

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

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Reagent

ACROLEIN_00024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 568720 Lot No.: A0194513
Description: 8260 List 1/Std #5 Acrolein High
8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2024 Storage: -20°C or colder
Handling: This product is photosensitive. Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RD230201	99%	19,768.0 µg/mL	+/- 580.7437

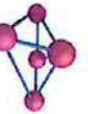
* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

Page 69 of 872

Reagent

Acrylonitrile_00009



CERTIFIED WEIGHT REPORT

Part Number:
 Lot Number:
 Description:

79007
 111821
 Acrylonitrile

Solvent: Lot#
 Methanol EA899-USQ2

Expiration Date:
 Recommended Storage:
 Nominal Concentration (µg/mL):
 NIST Test ID#:

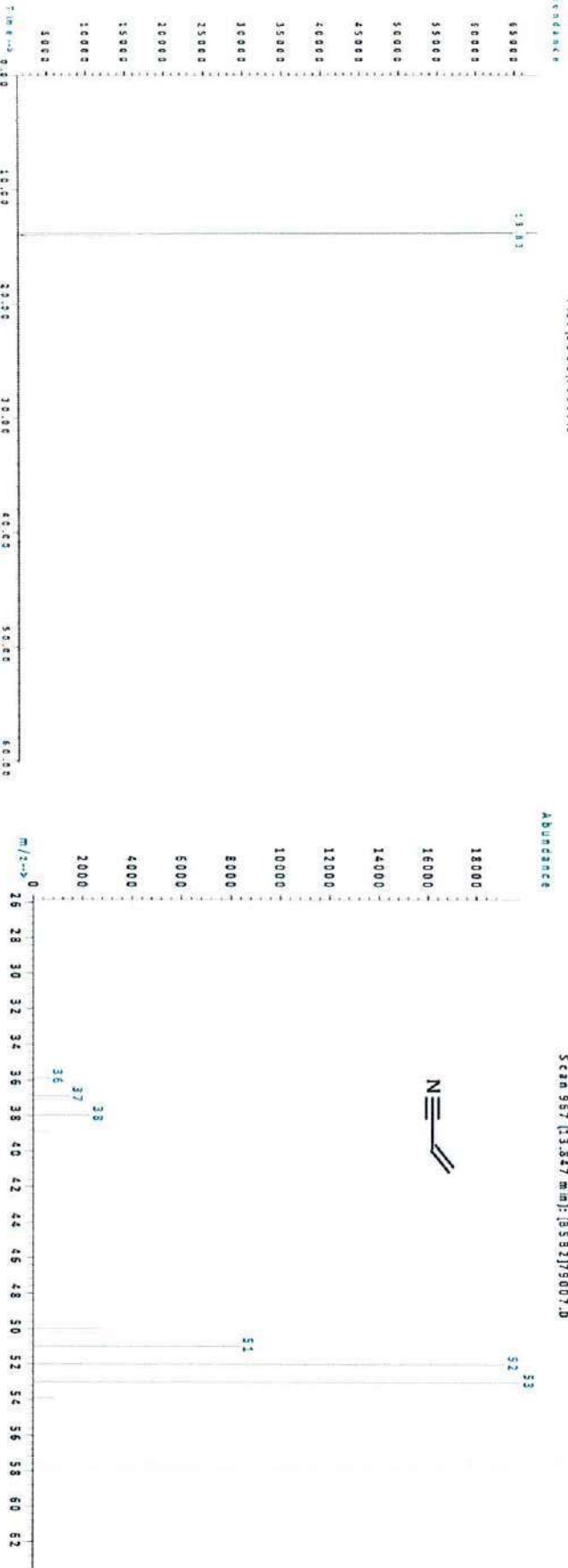
111824
 Refrigerate (4 °C)
 1000
 6UTB
 50.0
 0.001
 Balance Uncertainty
 Flask Uncertainty

Formulated By:	Prashant Chauhan	111821
Reviewed By:	Pedro L. Renteria	111821
		DATE

SDS Information

Compound	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)			
									CAS#	OSHA PEL (TWA)	LD50	
Acrylonitrile	7	4718CK	1000	99	0.2	0.05054	0.05064	1002.0	4.5	107-13-1	N/A	or-rat 78 mg/kg

Method: GC16MSD-1 Detector: Mass Selective Detector Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness), Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C, Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

EPICHLO (NEAT)_00001

Certificate of Analysis

Product Name:

(±)-Epichlorohydrin - purum, ≥99% (GC)

Product Number: 45340
Batch Number: SHBD0368V
Brand: FLUKA
CAS Number: 106-89-8
MDL Number: MFCD00005132
Formula: C3H5ClO
Formula Weight: 92.52 g/mol
Quality Release Date: 23 JAN 2013



Test	Specification	Result
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Color Test	≤ 20 APHA	< 10 APHA
Refractive Index at 20 °C	1.437 - 1.439	1.438
Purity (GC)	≥ 99.0 %	99.9 %
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %

Jamie Gleason, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

ETHANOL (new)_00020

R2437



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571994 Lot No.: A0195429
Description : 8260 Ethanol Standard
8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : March 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethanol	64-17-5	SHBQ2807	99%	100,006.7 µg/mL	+/- 1,243.9578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Page 75 of 872

Reagent

ETHANOL (new)_00021



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R2470
1/25/2024 MS # 11480096



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 571994 Lot No.: A0195429
Description: 8260 Ethanol Standard
8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: March 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
I	Ethanol	64-17-5	SHBQ2807	99%	100,006.7 µg/mL	+/- 1,243.9578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

ETHANOLnewSS_00009



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R2394
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571994.SEC Lot No.: A0193775
Description : 8260 Ethanol Standard
8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

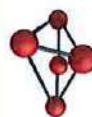
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethanol	64-17-5.SEC	C19I26002	99%	100,300.0 µg/mL	+/- 1,247.6207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

Extra Cmpd SS_00012



CERTIFIED WEIGHT REPORT

Part Number: 98593
Lot Number: 011024
Description: VOC Standard 2015

Solvent(s): Lot#
 Methanol EG359-US07

Expiration Date: 11/10/27
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6U7B

Weight(s) shown below were combined and diluted to (mL):

100.0

0.021 Peak Uncertainty

Formulated By:	Anthony Mahoney	011024
Reviewed By:	Pedro L. Renteria	011024
		DATE

Compound	RM#	Lot Number	Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50

1. n-Amyl acetate	1515	OGL01	2500	98	0.2	0.25517	0.25543	2502.6	10.3	628-63-7	100 ppm (525 mg/m ³ 8h)	or-td 7400 mg/kg
2. tert-Amyl ethyl ether	2809	IKYB-KF	2500	98	0.2	0.25517	0.25538	2502.1	10.3	919-94-8	N/A	inh-mus 81284mg/m ³ 15H
3. n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25259	0.25279	2502.0	10.2	141-32-2	10 ppm (55mg/m ³ 8h)	or-td 800mg/kg
4. Butyl methacrylate	1314	03220HG	2500	99	0.2	0.25259	0.25282	2502.3	10.2	97-88-1	N/A	or-td 18 g/kg
5. Cyclopentene	519	04013BX	2500	99	0.2	0.25259	0.25280	2502.1	10.2	142-29-0	N/A	or-td 1656mg/kg
6. 4-Ethyltoluene	1001	031097	2500	99	0.2	0.25259	0.25276	2501.7	10.2	622-96-8	N/A	N/A
7. Indan	955	02625MQ	2500	96	0.2	0.26048	0.26070	2502.1	10.5	496-11-7	N/A	N/A
8. Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25082	0.25100	2501.8	10.1	78-79-5	N/A	N/A
9. Isopropyl acetate	1106	IMCQ4616	2500	99.90	0.2	0.25031	0.25060	2502.9	10.1	108-21-4	250 ppm (950mg/m ³)	or-td 6946mg/kg
10. Methyl acrylate	1075	05208KY	2500	99	0.2	0.25259	0.25270	2501.1	10.2	96-33-3	10 ppm (35mg/m ³ 8h) (skin)	or-td 277mg/kg
11. n-Pentane	783	Q24F725	5000	99	0.2	0.50518	0.50540	5002.2	20.3	109-66-0	600 ppm (1800mg/m ³ 8h)	inh-mus 446mg/kg
12. Propyl acetate	1105	05017HY	2500	99	0.2	0.25259	0.25270	2501.1	10.2	109-60-4	200 ppm (840mg/m ³)	or-td 5370mg/kg
13. 1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25517	0.25534	2501.7	10.3	95-93-2	N/A	or-td 6989mg/kg
14. 1,4-Diethylbenzene	949	OGEO1	2500	98	0.2	0.25517	0.25531	2501.4	10.3	105-05-5	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E. "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

Extra Cmpd_00020



CERTIFIED WEIGHT REPORT

Part Number:
 Lot Number:
 Description:

98593
 092922
 VOC Standard 2015
 14 components
 092925

Solvent(s):
 Methanol
 Lot#
 ECS82-US06

Expiration Date:
 Recommended Storage:
 Nominal Concentration (µg/mL):
 NIST Test ID#:

Freezer (0 °C)
 Varied
 6UTB

Weight(s) shown below were combined and diluted to (mL):

SE-05 Balance Uncertainty
 0.012

Flask Uncertainty

R2408
 MS 6/1/23
 #10857043

Formulated By:	Benson Chan	092922
Reviewed By:	Pedro L. Rentas	092922
		DATE

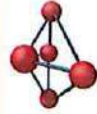
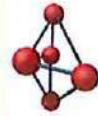
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50

1. n-Amyl acetate	1515	OGL01	2500	98	0.2	0.25511	0.25561	2504.9	10.3	628-63-7 100 ppm (525 mg/m ³ /8h)		or-td 7400 mg/kg
2. tert-Amyl ethyl ether	2609	IKVVB-KF	2500	98	0.2	0.25511	0.25536	2502.4	10.3	919-94-8	N/A	inh-mus 81284mg/m ³ /15h
3. n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25254	0.25273	2501.9	10.2	141-32-2 10 ppm (55mg/m ³ /8h)		or-td 900mg/kg
4. Butyl methacrylate	1314	03220HG	2500	99	0.2	0.25254	0.25285	2503.1	10.2	97-88-1	N/A	or-td 18 g/kg
5. Cyclopentene	519	04013BX	2500	99	0.2	0.25254	0.25265	2501.1	10.2	142-29-0	N/A	or-td 1656mg/kg
6. 4-Ethyltoluene	1001	031097	2500	99	0.2	0.25254	0.25313	2505.9	10.2	622-96-8	N/A	N/A
7. Indan	955	02625MQ	2500	96	0.2	0.26043	0.26075	2503.1	10.5	496-11-7	N/A	N/A
8. Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25076	0.25112	2503.5	10.1	78-79-5	N/A	N/A
9. Isopropyl acetate	1106	U17E045	2500	99.9	0.2	0.25026	0.25097	2507.1	10.1	108-21-4 250 ppm (950mg/m ³)		or-td 6946mg/kg
10. Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.25026	0.25088	2506.2	10.1	96-33-3 10 ppm(35mg/m ³ /8h)(skin)		or-td 277mg/kg
11. n-Pentane	783	SHBMS087	5000	99.4	0.2	0.50394	0.50358	5005.3	20.2	109-66-0 600 ppm(1800mg/m ³ /8h)		inh-mus 446mg/kg
12. Propyl acetate	1105	05017HY	2500	99	0.2	0.25254	0.25286	2503.2	10.2	109-60-4 200 ppm (840mg/m ³)		or-td 9370mg/kg
13. 1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25511	0.25520	2500.8	10.3	95-93-2	N/A	or-td 6988mg/kg
14. 1,4-Diethylbenzene	949	OGE01	2500	98	0.2	0.25511	0.25536	2502.4	10.3	105-05-5	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

Extra Cmpd_00021



CERTIFIED WEIGHT REPORT

Part Number:

98593

Lot Number:

092922

Description:

VOC Standard 2015

Expiration Date:

092925

Recommended Storage:

Freezer (0 °C)

Nominal Concentration (µg/mL):

Varied

NIST Test ID#:

6UTB

Weight(s) shown below were combined and diluted to (mL):

100.0

5E-05 Balance Uncertainty

0.012 Flask Uncertainty

Solvent(s):

Methanol

Lot#

EC592-USO6

Formulated By:	Benson Chan	DATE	092922
Reviewed By:	Pedro L. Rentas	DATE	092922

SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. n-Amyl acetate	1515	QGL01	2500	98	0.2	0.25511	0.25561	2504.9	10.3	628-63-7	100 ppm (525 mg/m ³ /8H)	orl-rat 7400 mg/kg
2. tert-Amyl ethyl ether	2609	IKVYB-KF	2500	98	0.2	0.25511	0.25536	2502.4	10.3	919-94-8	N/A	inh-mus 81294mg/m ³ /15H
3. n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25254	0.25273	2501.9	10.2	141-32-2	10 ppm (55mg/m ³ /8H)	orl-rat 900mg/kg
4. Butyl methacrylate	1314	Q3220HG	2500	99	0.2	0.25254	0.25285	2503.1	10.2	97-88-1	N/A	orl-rat 18 g/kg
5. Cyclopentene	519	04013BX	2500	99	0.2	0.25254	0.25285	2501.1	10.2	142-29-0	N/A	orl-rat 1656mg/kg
6. 4-Ethyltoluene	1001	031097	2500	99	0.2	0.25254	0.25313	2505.9	10.2	622-96-8	N/A	N/A
7. Indan	955	02625MQ	2500	96	0.2	0.26043	0.26075	2503.1	10.5	496-11-7	N/A	N/A
8. Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25076	0.25112	2503.5	10.1	78-79-5	N/A	N/A
9. Isopropyl acetate	1106	U17E045	2500	99.9	0.2	0.25026	0.25097	2507.1	10.1	108-21-4	250 ppm (950mg/m ³)	orl-rat 6946mg/kg
10. Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.25026	0.25088	2506.2	10.1	96-33-3	10 ppm(35mg/m ³ /8H)(skin)	orl-rat 277mg/kg
11. n-Pentane	783	SHBM5087	5000	99.4	0.2	0.50304	0.50358	5005.3	20.2	109-66-0	600 ppm(1800mg/m ³ /8H)	inh-mus 446mg/kg
12. Propyl acetate	1105	05017HY	2500	99	0.2	0.25254	0.25286	2503.2	10.2	109-60-4	200 ppm (940mg/m ³)	orl-rat 9370mg/kg
13. 1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25511	0.25520	2500.8	10.3	95-93-2	N/A	orl-rat 6989mg/kg
14. 1,4-Diethylbenzene	949	OGEO1	2500	98	0.2	0.25511	0.25536	2502.4	10.3	105-05-5	N/A	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.

* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).

* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.

* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result."

NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

GASES C_00039

R2432



110 Benner Circle
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569722 Lot No.: A0198219

Description: 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: May 31, 2026 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Page 87 of 872

Reagent

GASES C_00040



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MS 12/1123



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569722 Lot No.: A0198219
Description: 8260 List 1 / Std #3 Gases (2015)
8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: May 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

GASES SS_00022



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9/26/2023 MS # 11168991 R2440

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722.SEC Lot No.: A0197640
Description : 8260 List 1 / Std #3 Gases (2015)
8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,519.8 µg/mL	+/- 142.0069
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,503.3 µg/mL	+/- 142.0942
3	Vinyl chloride	75-01-4.SEC	MKBBK6872V	99%	2,508.3 µg/mL	+/- 141.4767
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,521.0 µg/mL	+/- 142.1930
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,516.4 µg/mL	+/- 141.9614
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00004202	98%	2,532.0 µg/mL	+/- 143.0282
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,524.7 µg/mL	+/- 143.6054

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Page 91 of 872

Reagent

GASES SS_00023



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R2459

#11392079

MS 12/14/2023



3/19/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569722.SEC Lot No.: A0200059
Description: 8260 List 1 / Std #3 Gases (2015)
8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: July 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,498.7 µg/mL	+/- 141.3032
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,499.9 µg/mL	+/- 141.5220
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,500.7 µg/mL	+/- 142.8051
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,500.4 µg/mL	+/- 141.3330
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,505.7 µg/mL	+/- 141.5475
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,499.8 µg/mL	+/- 141.4404
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5657
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,500.7 µg/mL	+/- 142.0532

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Reagent

KetonesC SS_00015



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Fax: 1-814-353-1309

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R2395
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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC Lot No.: A0194631
Description : 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

KetonesC SS_00016



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CERTIFIED REFERENCE MATERIAL

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MS 11/7/23

R2444

#11295656



3/19/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569721.SEC Lot No.: A0194631
Description: 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: February 28, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Page 97 of 872

Reagent

KetonesC_00027



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



3/19/2024
12:53:14 PM

R2452

MS 12/1/23

11357243

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569721 Lot No.: A0193494

Description: 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: January 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Page 39 of 872

Reagent

List2/Std6 SS_00011



110 Benner Circle
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R 2430
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



3/19/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808.SEC Lot No.: A0193865
Description : 8260 List 2 / Std #6
8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : July 31, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0.SEC	G6HNF	99%	25,080.0 µg/mL	+/- 410.1061
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8 *	220712JLM	99%	2,519.0 µg/mL	+/- 41.2025
3	Methacrylonitrile	126-98-7 *	1012014	99%	25,106.0 µg/mL	+/- 410.5312
4	2,2,4-Trimethylpentane (Isooctane) /	540-84-1.SEC	11566800	99%	2,513.0 µg/mL	+/- 41.1044
5	1-Butanol	71-36-3.SEC	RSHAH	99%	62,635.5 µg/mL	+/- 1,024.2037
6	2-Nitropropane	79-46-9.SEC	F431A	99%	5,037.0 µg/mL	+/- 82.3646
7	1-Chlorohexane /	544-10-5.SEC	8171700	99%	2,507.0 µg/mL	+/- 41.0062
8	1,2,3-Trimethylbenzene	526-73-8.SEC	12203300	99%	2,512.0 µg/mL	+/- 41.0880
9	Benzyl chloride	100-44-7.SEC	H29N03	99%	2,515.5 µg/mL	+/- 41.1453
10	1,3,5-Trichlorobenzene	108-70-3.SEC	I28U021	99%	2,510.5 µg/mL	+/- 41.0635

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Reagent

LIST2/STD6_00019

R2439



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 Lot No.: A0195733
Description : 8260 List 2 / Std #6
8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,144.5 µg/mL	+/- 411.1608
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	220712JLM	99%	2,505.5 µg/mL	+/- 40.9817
3	Methacrylonitrile	126-98-7	1012014	99%	25,171.0 µg/mL	+/- 411.5941
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	MKCF8045	99%	2,511.5 µg/mL	+/- 41.0798
5	1-Butanol	71-36-3	SHBN6854	99%	62,604.0 µg/mL	+/- 1,023.6887
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,028.0 µg/mL	+/- 82.2174
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,522.0 µg/mL	+/- 41.2516
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,523.0 µg/mL	+/- 41.2681
9	Benzyl chloride	100-44-7	MKCM5986	99%	2,509.5 µg/mL	+/- 41.0471
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,516.5 µg/mL	+/- 41.1616

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

LIST2/STD6_00020



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R2468

1/25/2024 MS # 11480084



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808

Lot No.: A0203604

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : April 30, 2025

Storage: 0°C or colder

Shlp: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBQ4760	99%	25,118.5 µg/mL	+/- 410.7356
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	230928JLM	99%	2,517.5 µg/mL	+/- 41.1780
3	Methacrylonitrile	126-98-7	1012014	99%	25,073.0 µg/mL	+/- 409.9916
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	2,521.5 µg/mL	+/- 41.2434
5	1-Butanol	71-36-3	101601K21K	99%	62,717.5 µg/mL	+/- 1,025.5446
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,037.2 µg/mL	+/- 82.3680
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,509.5 µg/mL	+/- 41.0471
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,524.0 µg/mL	+/- 41.2841
9	Benzyl chloride	100-44-7	SHBH2102V	99%	2,511.5 µg/mL	+/- 41.0798
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,515.0 µg/mL	+/- 41.1371

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

LIST2/STD7_00022

R2435



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 570809 Lot No.: A0189215
Description: 8260 List 2 / Std #7
8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: March 31, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate CAS # 141-78-6 Purity 99% (Lot SHBP3779)	5,047.5 µg/mL	+/- 29.5542 +/- 304.5581 +/- 305.2811	µg/mL Gravimetric Unstressed Stressed
2	Ethyl acrylate CAS # 140-88-5 Purity 99% (Lot 10129902)	2,517.0 µg/mL	+/- 14.7712 +/- 151.8750 +/- 152.2356	µg/mL Gravimetric Unstressed Stressed
3	Methyl methacrylate CAS # 80-62-6 Purity 99% (Lot MKCQ2755)	5,050.0 µg/mL	+/- 29.5689 +/- 304.7090 +/- 305.4323	µg/mL Gravimetric Unstressed Stressed
4	Butyl acetate CAS # 123-86-4 Purity 99% (Lot SHBN3806)	2,521.5 µg/mL	+/- 14.7976 +/- 152.1466 +/- 152.5077	µg/mL Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

LIST2/STD7_00023



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R2469
1/25/2024 MS #11480095



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 Lot No.: A0200274
Description : 8260 List 2 / Std #7
8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : January 31, 2025 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethyl acetate	141-78-6	SHBP9289	99%	5,031.0 µg/mL	+/- 173.8830
2	Ethyl acrylate	140-88-5	10129902	99%	2,502.5 µg/mL	+/- 86.4979
3	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,000.0 µg/mL	+/- 172.8116
4	Butyl acetate	123-86-4	SHBP6314	99%	2,506.0 µg/mL	+/- 86.6188

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

List2/Std7SS_00011



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809.SEC Lot No.: A0194573
Description : 8260 List 2 / Std #7
8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : August 31, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethyl acetate	141-78-6.SEC	C386A-GG	99%	5,045.5 µg/mL	+/- 174.3842
2	Ethyl acrylate	140-88-5.SEC	YIFAM-TG	99%	2,522.5 µg/mL	+/- 87.1892
3	Methyl methacrylate	80-62-6.SEC	G01X021	99%	5,043.0 µg/mL	+/- 174.2978
4	Butyl acetate	123-86-4.SEC	V2L2G-GT	99%	2,509.0 µg/mL	+/- 86.7225

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

Mega Mix SS_00020



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI340	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	DCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO50	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSP0	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC ZDMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC P14SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2	µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0	µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8	µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3	µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3	µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7	µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8	µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0	µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3	µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0	µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1	µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0	µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5	µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7	µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0	µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7	µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7	µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4	µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0	µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8	µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-S02.2 (cat.#10916)

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

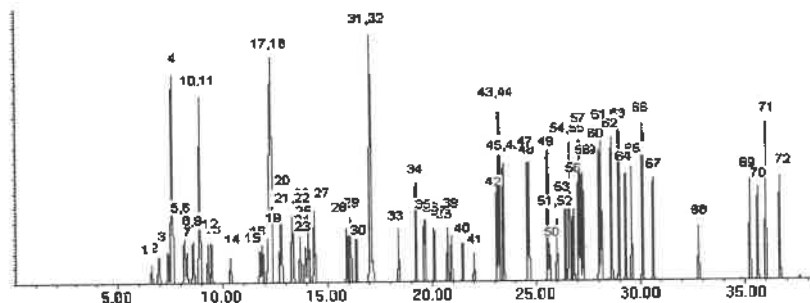
MSD

Split Vent:

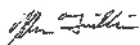
20.0 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 28-Feb-2023

Balance Serial # 1127510105


Christie Mills - Operations Tech II - ARM QC

Date Passed: 22-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

Mega Mix_00036

R2433



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 571992 Lot No.: A0183568

Description: 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: September 30, 2024 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) CAS # 60-29-7 (Lot SHBN4280) Purity 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) CAS # 76-13-1 (Lot 00016133) Purity 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene CAS # 75-35-4 (Lot SHBG8609V) Purity 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) CAS # 75-65-0 (Lot 101619K21F-1) Purity 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate CAS # 79-20-9 (Lot SHBM1320) Purity 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) CAS # 74-88-4 (Lot RD220125) Purity 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) CAS # 107-05-1 (Lot RD211021) Purity 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

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8	Methylene chloride (dichloromethane) CAS # 75-09-2 (Lot SHBP1417) Purity 99%	2,513.3 µg/mL	+/- 14.6123 +/- 151.6355 +/- 151.9955	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide CAS # 75-15-0 (Lot N28F701) Purity 99%	2,510.1 µg/mL	+/- 14.5941 +/- 151.4470 +/- 151.8065	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile CAS # 107-13-1 (Lot SHBK4954) Purity 99%	25,102.9 µg/mL	+/- 145.9426 +/- 1,514.5670 +/- 1,518.1628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 (Lot SHBN6497) Purity 99%	2,513.8 µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene CAS # 156-59-2 (Lot MKCP7830) Purity 99%	2,515.1 µg/mL	+/- 14.6232 +/- 151.7486 +/- 152.1089	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) CAS # 110-54-3 (Lot SHBL9879) Purity 99%	2,515.5 µg/mL	+/- 14.6253 +/- 151.7713 +/- 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane CAS # 75-34-3 (Lot 760200) Purity 99%	2,517.9 µg/mL	+/- 14.6391 +/- 151.9146 +/- 152.2752	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane CAS # 594-20-7 (Lot RD211103) Purity 99%	2,517.9 µg/mL	+/- 14.6391 +/- 151.9146 +/- 152.2752	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene CAS # 156-60-5 (Lot MKBH9850V) Purity 99%	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 (Lot 098794J01H) Purity 99%	62,633.1 µg/mL	+/- 364.1354 +/- 3,778.9321 +/- 3,787.9040	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	chloroform CAS # 67-66-3 (Lot SHBN8469) Purity 99%	2,510.9 µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane CAS # 74-97-5 (Lot 00008541) Purity 99%	2,517.0 µg/mL	+/- 14.6341 +/- 151.8618 +/- 152.2223	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran CAS # 109-99-9 (Lot SHBN3757) Purity 99%	5,036.1 µg/mL	+/- 29.2805 +/- 303.8517 +/- 304.5731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-Trichloroethane CAS # 71-55-6 (Lot RD220215) Purity 99%	2,509.6 µg/mL	+/- 14.5912 +/- 151.4168 +/- 151.7763	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane CAS # 110-82-7 (Lot EA003-US) Purity 99%	2,510.0 µg/mL	+/- 14.5934 +/- 151.4394 +/- 151.7990	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene CAS # 563-58-6 (Lot 220217JLM) Purity 99%	2,513.8 µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	carbon tetrachloride CAS # 56-23-5 Purity 99%	(Lot SHBL8097)	2,513.5 µg/mL	+/- +/- +/-	14.6137 151.6506 152.0106	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane CAS # 107-06-2 Purity 99%	(Lot MKCN9758)	2,514.4 µg/mL	+/- +/- +/-	14.6188 151.7034 152.0636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene CAS # 71-43-2 Purity 99%	(Lot MKCM9242)	2,509.3 µg/mL	+/- +/- +/-	14.5890 151.3942 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene CAS # 79-01-6 Purity 99%	(Lot SHBL5816)	2,507.5 µg/mL	+/- +/- +/-	14.5788 151.2886 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	2,510.3 µg/mL	+/- +/- +/-	14.5948 151.4545 151.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane CAS # 78-87-5 Purity 99%	(Lot BCBR0882V)	2,510.9 µg/mL	+/- +/- +/-	14.5984 151.4922 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBM9675)	50,187.5 µg/mL	+/- +/- +/-	291.7792 3,028.0328 3,035.2219	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane CAS # 74-95-3 Purity 99%	(Lot 10201030)	2,511.0 µg/mL	+/- +/- +/-	14.5992 151.4998 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene CAS # 10061-01-5 Purity 99%	(Lot RD220311)	2,513.8 µg/mL	+/- +/- +/-	14.6152 151.6657 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene CAS # 108-88-3 Purity 99%	(Lot MKCQ2779)	2,518.4 µg/mL	+/- +/- +/-	14.6420 151.9447 152.3055	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene CAS # 10061-02-6 Purity 98%	(Lot RD211104)	2,504.5 µg/mL	+/- +/- +/-	14.5615 151.1083 151.4671	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane CAS # 79-00-5 Purity 99%	(Lot FGB01)	2,513.6 µg/mL	+/- +/- +/-	14.6144 151.6581 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane CAS # 142-28-9 Purity 99%	(Lot BCBC6265)	2,513.6 µg/mL	+/- +/- +/-	14.6144 151.6581 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene CAS # 127-18-4 Purity 99%	(Lot SHBJ7422)	2,507.5 µg/mL	+/- +/- +/-	14.5788 151.2886 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane CAS # 124-48-1 Purity 99%	(Lot MKCM8659)	2,514.8 µg/mL	+/-	14.6210 151.7260 152.0862	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) CAS # 106-93-4 Purity 99%	(Lot BCCF5058)	2,513.9 µg/mL	+/-	14.6159 151.6732 152.0333	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene CAS # 108-90-7 Purity 99%	(Lot SHBL8110)	2,507.9 µg/mL	+/-	14.5810 151.3112 151.6704	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene CAS # 108-38-3 Purity 99%	(Lot Q13G020)	1,260.0 µg/mL	+/-	7.3257 76.0214 76.2019	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene CAS # 106-42-3 Purity 99%	(Lot 10234437)	1,258.6 µg/mL	+/-	7.3178 75.9384 76.1187	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene CAS # 100-41-4 Purity 99%	(Lot SHBM4308)	2,516.0 µg/mL	+/-	14.6282 151.8014 152.1618	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane CAS # 630-20-6 Purity 99%	(Lot TMWGK)	2,519.1 µg/mL	+/-	14.6464 151.9900 152.3508	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene CAS # 95-47-6 Purity 98%	(Lot SHBN5105)	2,513.5 µg/mL	+/-	14.6134 151.6479 152.0079	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene CAS # 100-42-5 Purity 99%	(Lot MKCP3941)	2,509.1 µg/mL	+/-	14.5883 151.3866 151.7460	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) CAS # 98-82-8 Purity 99%	(Lot Z20D022)	2,518.5 µg/mL	+/-	14.6428 151.9523 152.3130	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform CAS # 75-25-2 Purity 98%	(Lot SHBK4455)	2,511.0 µg/mL	+/-	14.5992 151.5001 151.8597	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane CAS # 75-27-4 Purity 99%	(Lot MKCM7156)	2,518.1 µg/mL	+/-	14.6406 151.9296 152.2903	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane CAS # 79-34-5 Purity 99%	(Lot CFA4D)	2,515.5 µg/mL	+/-	14.6253 151.7713 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane CAS # 96-18-4 Purity 99%	(Lot 332900)	2,512.5 µg/mL	+/-	14.6079 151.5903 151.9502	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	2,511.8 µg/mL	+/-	14.6038 151.5480 151.9078	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene CAS # 103-65-1 Purity 99%	(Lot MKCN1126)	2,515.6 µg/mL	+/-	14.6261 151.7788 152.1392	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene CAS # 108-86-1 Purity 99%	(Lot MKBD4032V)	2,516.9 µg/mL	+/- +/- +/-	14.6333 151.8542 152.2147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene CAS # 108-67-8 Purity 99%	(Lot BCCD0427)	2,512.3 µg/mL	+/- +/- +/-	14.6064 151.5752 151.9350	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene CAS # 95-49-8 Purity 99%	(Lot MKCF5243)	2,510.9 µg/mL	+/- +/- +/-	14.5984 151.4922 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene CAS # 106-43-4 Purity 99%	(Lot MKCC8496)	2,513.1 µg/mL	+/- +/- +/-	14.6115 151.6280 151.9880	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene CAS # 98-06-6 Purity 99%	(Lot STBD6954V)	2,514.6 µg/mL	+/- +/- +/-	14.6202 151.7185 152.0787	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene CAS # 95-63-6 Purity 98%	(Lot WXBC9428V)	2,517.1 µg/mL	+/- +/- +/-	14.6348 151.8696 152.2302	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene CAS # 135-98-8 Purity 99%	(Lot MKCN2920)	2,519.3 µg/mL	+/- +/- +/-	14.6471 151.9975 152.3584	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) CAS # 99-87-6 Purity 99%	(Lot MKCP6638)	2,512.0 µg/mL	+/- +/- +/-	14.6050 151.5601 151.9199	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene CAS # 541-73-1 Purity 99%	(Lot BCBZ7498)	2,515.5 µg/mL	+/- +/- +/-	14.6253 151.7713 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene CAS # 106-46-7 Purity 99%	(Lot MKBS4401V)	2,513.4 µg/mL	+/- +/- +/-	14.6130 151.6431 152.0031	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene CAS # 104-51-8 Purity 99%	(Lot 09418JJ)	2,511.0 µg/mL	+/- +/- +/-	14.5992 151.4998 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene CAS # 95-50-1 Purity 99%	(Lot SHBN3835)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane CAS # 96-12-8 Purity 97%	(Lot HBMVB)	2,512.4 µg/mL	+/- +/- +/-	14.6074 151.5855 151.9454	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene CAS # 120-82-1 Purity 99%	(Lot SHBM0526)	2,510.4 µg/mL	+/- +/- +/-	14.5955 151.4620 151.8216	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene CAS # 87-68-3 Purity 99%	(Lot X053)	2,509.3 µg/mL	+/- +/- +/-	14.5890 151.3942 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene CAS # 91-20-3 Purity 99%	(Lot MKCH0219)	2,520.6 µg/mL	+/- +/- +/-	14.6551 152.0805 152.4415	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene		2,513.0 µg/mL	+/- 14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/- 151.6204	µg/mL	Unstressed
	Purity 99%			+/- 151.9804	µg/mL	Stressed

Solvent:	P&T Methanol
	CAS # 67-56-1
	Purity 99%

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Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

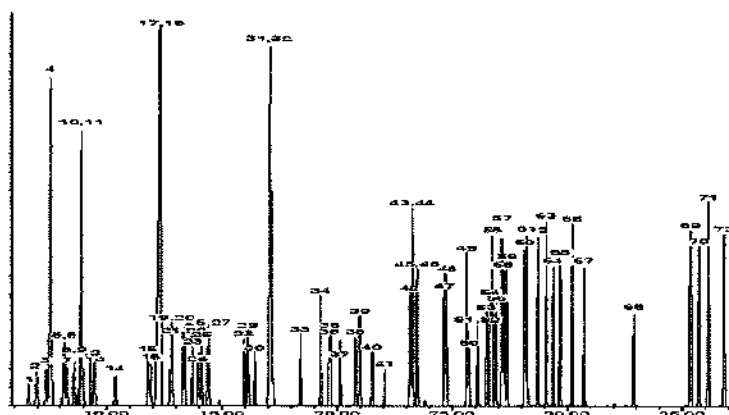
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



Reagent

Mega Mix_00037



110 Banner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1888
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

R2464 # 11479992

1/25/2024 MS



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 571992 Lot No.: A0183568
Description: 8260 List 1 / Std #1 MegaMix (2017)
8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: September 30, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) CAS # 60-29-7 (Lot SHBN4280) Purity 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) CAS # 76-13-1 (Lot 00016133) Purity 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene CAS # 75-35-4 (Lot SHBG8609V) Purity 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) CAS # 75-65-0 (Lot 101619K21F-1) Purity 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate CAS # 79-20-9 (Lot SHBM1320) Purity 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) CAS # 74-88-4 (Lot RD220125) Purity 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) CAS # 107-05-1 (Lot RD211021) Purity 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) CAS # 75-09-2 (Lot SHBP1417) Purity 99%	2,513.3 µg/mL	+/- 14.6123 +/- 151.6355 +/- 151.9955	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide CAS # 75-15-0 (Lot N28F701) Purity 99%	2,510.1 µg/mL	+/- 14.5941 +/- 151.4470 +/- 151.8065	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile CAS # 107-13-1 (Lot SHBK4954) Purity 99%	25,102.9 µg/mL	+/- 145.9426 +/- 1,514.5670 +/- 1,518.1628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 (Lot SHBN6497) Purity 99%	2,513.8 µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene CAS # 156-59-2 (Lot MKCP7830) Purity 99%	2,515.1 µg/mL	+/- 14.6232 +/- 151.7486 +/- 152.1089	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) CAS # 110-54-3 (Lot SHBL9879) Purity 99%	2,515.5 µg/mL	+/- 14.6253 +/- 151.7713 +/- 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane CAS # 75-34-3 (Lot 760200) Purity 99%	2,517.9 µg/mL	+/- 14.6391 +/- 151.9146 +/- 152.2752	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane CAS # 594-20-7 (Lot RD211103) Purity 99%	2,517.9 µg/mL	+/- 14.6391 +/- 151.9146 +/- 152.2752	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene CAS # 156-60-5 (Lot MKBH9850V) Purity 99%	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 (Lot 098794J01H) Purity 99%	62,633.1 µg/mL	+/- 364.1354 +/- 3,778.9321 +/- 3,787.9040	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	chloroform CAS # 67-66-3 (Lot SHBN8469) Purity 99%	2,510.9 µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane CAS # 74-97-5 (Lot 00008541) Purity 99%	2,517.0 µg/mL	+/- 14.6341 +/- 151.8618 +/- 152.2223	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran CAS # 109-99-9 (Lot SHBN3757) Purity 99%	5,036.1 µg/mL	+/- 29.2805 +/- 303.8517 +/- 304.5731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-trichloroethane CAS # 71-55-6 (Lot RD220215) Purity 99%	2,509.6 µg/mL	+/- 14.5912 +/- 151.4168 +/- 151.7763	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane CAS # 110-82-7 (Lot EA003-US) Purity 99%	2,510.0 µg/mL	+/- 14.5934 +/- 151.4394 +/- 151.7990	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene CAS # 563-58-6 (Lot 220217JLM) Purity 99%	2,513.8 µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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24	carbon tetrachloride CAS # 56-23-5 Purity 99%	(Lot SHBL8097)	2,513.5 µg/mL	+/- 14.6137 +/- 151.6506 +/- 152.0106	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane CAS # 107-06-2 Purity 99%	(Lot MKCN9758)	2,514.4 µg/mL	+/- 14.6188 +/- 151.7034 +/- 152.0636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene CAS # 71-43-2 Purity 99%	(Lot MKCM9242)	2,509.3 µg/mL	+/- 14.5890 +/- 151.3942 +/- 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene CAS # 79-01-6 Purity 99%	(Lot SHBL5816)	2,507.5 µg/mL	+/- 14.5788 +/- 151.2886 +/- 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	2,510.3 µg/mL	+/- 14.5948 +/- 151.4545 +/- 151.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane CAS # 78-87-5 Purity 99%	(Lot BCBR0882V)	2,510.9 µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBM9675)	50,187.5 µg/mL	+/- 291.7792 +/- 3,028.0328 +/- 3,035.2219	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane CAS # 74-95-3 Purity 99%	(Lot 10201030)	2,511.0 µg/mL	+/- 14.5992 +/- 151.4998 +/- 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene CAS # 10061-01-5 Purity 99%	(Lot RD220311)	2,513.8 µg/mL	+/- 14.6152 +/- 151.6657 +/- 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene CAS # 108-88-3 Purity 99%	(Lot MKCQ2779)	2,518.4 µg/mL	+/- 14.6420 +/- 151.9447 +/- 152.3055	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene CAS # 10061-02-6 Purity 98%	(Lot RD211104)	2,504.5 µg/mL	+/- 14.5615 +/- 151.1083 +/- 151.4671	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane CAS # 79-00-5 Purity 99%	(Lot FGB01)	2,513.6 µg/mL	+/- 14.6144 +/- 151.6581 +/- 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane CAS # 142-28-9 Purity 99%	(Lot BCBC6265)	2,513.6 µg/mL	+/- 14.6144 +/- 151.6581 +/- 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene CAS # 127-18-4 Purity 99%	(Lot SHBJ7422)	2,507.5 µg/mL	+/- 14.5788 +/- 151.2886 +/- 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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40	dibromochloromethane CAS # 124-48-1 Purity 99%	(Lot MKCM8659)	2,514.8 µg/mL	+/- 14.6210 +/- 151.7260 +/- 152.0862	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) CAS # 106-93-4 Purity 99%	(Lot BCCF5058)	2,513.9 µg/mL	+/- 14.6159 +/- 151.6732 +/- 152.0333	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene CAS # 108-90-7 Purity 99%	(Lot SHBL8110)	2,507.9 µg/mL	+/- 14.5810 +/- 151.3112 +/- 151.6704	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene CAS # 108-38-3 Purity 99%	(Lot Q13G020)	1,260.0 µg/mL	+/- 7.3257 +/- 76.0214 +/- 76.2019	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene CAS # 106-42-3 Purity 99%	(Lot 10234437)	1,258.6 µg/mL	+/- 7.3178 +/- 75.9384 +/- 76.1187	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene CAS # 100-41-4 Purity 99%	(Lot SHBM4308)	2,516.0 µg/mL	+/- 14.6282 +/- 151.8014 +/- 152.1618	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane CAS # 630-20-6 Purity 99%	(Lot TMWGK)	2,519.1 µg/mL	+/- 14.6464 +/- 151.9900 +/- 152.3508	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene CAS # 95-47-6 Purity 98%	(Lot SHBN5105)	2,513.5 µg/mL	+/- 14.6134 +/- 151.6479 +/- 152.0079	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene CAS # 100-42-5 Purity 99%	(Lot MKCP3941)	2,509.1 µg/mL	+/- 14.5883 +/- 151.3866 +/- 151.7460	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) CAS # 98-82-8 Purity 99%	(Lot Z20D022)	2,518.5 µg/mL	+/- 14.6428 +/- 151.9523 +/- 152.3130	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform CAS # 75-25-2 Purity 98%	(Lot SHBK4455)	2,511.0 µg/mL	+/- 14.5992 +/- 151.5001 +/- 151.8597	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane CAS # 75-27-4 Purity 99%	(Lot MKCM7156)	2,518.1 µg/mL	+/- 14.6406 +/- 151.9296 +/- 152.2903	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane CAS # 79-34-5 Purity 99%	(Lot CFA4D)	2,515.5 µg/mL	+/- 14.6253 +/- 151.7713 +/- 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane CAS # 96-18-4 Purity 99%	(Lot 332900)	2,512.5 µg/mL	+/- 14.6079 +/- 151.5903 +/- 151.9502	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	2,511.8 µg/mL	+/- 14.6038 +/- 151.5480 +/- 151.9078	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene CAS # 103-65-1 Purity 99%	(Lot MKCN1126)	2,515.6 µg/mL	+/- 14.6261 +/- 151.7788 +/- 152.1392	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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56	Bromobenzene CAS # 108-86-1 Purity 99%	(Lot MKBD4032V)	2,516.9 µg/mL	+/- 14.6333 +/- 151.8542 +/- 152.2147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene CAS # 108-67-8 Purity 99%	(Lot BCCD0427)	2,512.3 µg/mL	+/- 14.6064 +/- 151.5752 +/- 151.9350	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene CAS # 95-49-8 Purity 99%	(Lot MKCF5243)	2,510.9 µg/mL	+/- 14.5984 +/- 151.4922 +/- 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene CAS # 106-43-4 Purity 99%	(Lot MKCC8496)	2,513.1 µg/mL	+/- 14.6115 +/- 151.6280 +/- 151.9880	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene CAS # 98-06-6 Purity 99%	(Lot STBD6954V)	2,514.6 µg/mL	+/- 14.6202 +/- 151.7185 +/- 152.0787	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene CAS # 95-63-6 Purity 98%	(Lot WXBC9428V)	2,517.1 µg/mL	+/- 14.6348 +/- 151.8696 +/- 152.2302	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene CAS # 135-98-8 Purity 99%	(Lot MKCN2920)	2,519.3 µg/mL	+/- 14.6471 +/- 151.9975 +/- 152.3584	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) CAS # 99-87-6 Purity 99%	(Lot MKCP6638)	2,512.0 µg/mL	+/- 14.6050 +/- 151.5601 +/- 151.9199	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene CAS # 541-73-1 Purity 99%	(Lot BCBZ7498)	2,515.5 µg/mL	+/- 14.6253 +/- 151.7713 +/- 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene CAS # 106-46-7 Purity 99%	(Lot MKBS4401V)	2,513.4 µg/mL	+/- 14.6130 +/- 151.6431 +/- 152.0031	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene CAS # 104-51-8 Purity 99%	(Lot 09418JJ)	2,511.0 µg/mL	+/- 14.5992 +/- 151.4998 +/- 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene CAS # 95-50-1 Purity 99%	(Lot SHBN3835)	2,511.4 µg/mL	+/- 14.6014 +/- 151.5224 +/- 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane CAS # 96-12-8 Purity 97%	(Lot HBMBVB)	2,512.4 µg/mL	+/- 14.6074 +/- 151.5855 +/- 151.9454	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene CAS # 120-82-1 Purity 99%	(Lot SHBM0526)	2,510.4 µg/mL	+/- 14.5955 +/- 151.4620 +/- 151.8216	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene CAS # 87-68-3 Purity 99%	(Lot X05J)	2,509.3 µg/mL	+/- 14.5890 +/- 151.3942 +/- 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene CAS # 91-20-3 Purity 99%	(Lot MKCH0219)	2,520.6 µg/mL	+/- 14.6551 +/- 152.0805 +/- 152.4415	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

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72	1,2,3-Trichlorobenzene		2,513.0 µg/mL	+/- 14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/- 151.6204	µg/mL	Unstressed
	Purity 99%			+/- 151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
 60m x 0.25mm x 1.4µm
 Rtx-S02.2 (cat.#10916)

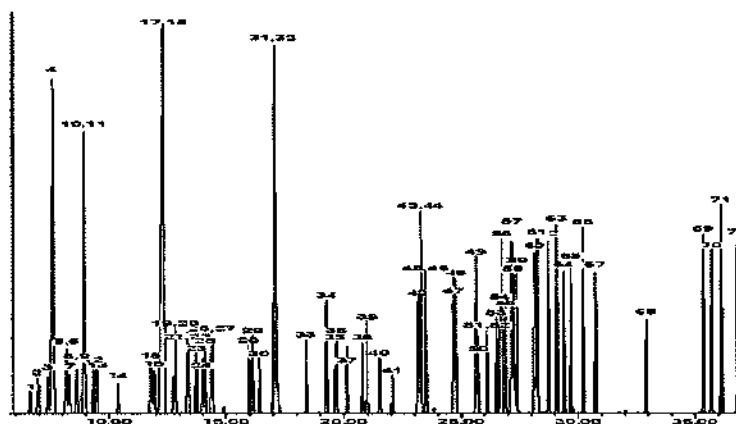
Carrier Gas:
 helium-constant pressure 30 psi

Temp. Program:
 40°C (hold 6 min.) to 240°C
 @ 6°C/min. (hold 10 min.)

Inj. Temp:
 200°C

Det. Temp:
 250°C

Det. Type:
 MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

[Signature]
 Tom Sucker - Mix Technician

Date Mixed: 31-Mar-2022 Balance: B707717271

[Signature]
 Tom Sucker - Mix Technician

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

POLAR ADD SS_00016



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

R2362

MS 2/9/23 #10545543



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993.SEC Lot No.: A0189867

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T
Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : September 30, 2024 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetonitrile CAS # 75-05-8.SEC (Lot 3ZDOE) Purity 99%	25,064.5 µg/mL	+/- 146.7582 µg/mL +/- 1,240.0085 µg/mL +/- 1,270.8364 µg/mL
2	Diisopropyl ether (DIPE) CAS # 108-20-3.SEC (Lot LL7TN-SH) Purity 99%	2,511.0 µg/mL	+/- 14.7360 µg/mL +/- 124.2299 µg/mL +/- 127.3182 µg/mL
3	Ethyl-tert-butyl ether (ETBE) CAS # 637-92-3.SEC (Lot UC15B) Purity 98%	2,499.2 µg/mL	+/- 14.6667 µg/mL +/- 123.6459 µg/mL +/- 126.7197 µg/mL
4	Propionitrile CAS # 107-12-0.SEC (Lot N44LF) Purity 99%	25,000.9 µg/mL	+/- 146.3858 µg/mL +/- 1,236.8620 µg/mL +/- 1,267.6117 µg/mL
5	tert-Amyl alcohol CAS # 75-85-4.SEC (Lot REJPI) Purity 99%	25,023.6 µg/mL	+/- 146.5187 µg/mL +/- 1,237.9850 µg/mL +/- 1,268.7627 µg/mL
6	tert-Amyl methyl ether (TAME) CAS # 994-05-8.SEC (Lot 12075100) Purity 98%	2,504.0 µg/mL	+/- 14.6949 µg/mL +/- 123.8835 µg/mL +/- 126.9632 µg/mL

Reagent

POLAR ADD_00025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

R2438
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



3/19/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 Lot No.: A0194786
Description : 8260 List 3/ Std#1 Polar Additions (2017)
8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T
Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2025 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

POLAR ADD_00026



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2466

11479995

1/25/2024 MS



3/19/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 Lot No.: A0194786
Description : 8260 List 3/ Std#1 Polar Additions (2017)
8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T
Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : February 28, 2025 Storage: 0°C or colder
Shlp: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

TBA AB_00006



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:

90766

Lot Number:

120821

Description:

tert-Butyl alcohol (t-Butanol)
(2-Methyl-2-propanol)

Expiration Date:

120826

Recommended Storage:

Refrigerate (4 °C)

Nominal Concentration (µg/mL):

20000

NIST Test ID#:

6JTB

Weight(s) shown below were combined and diluted to (mL):

200.0

5E-05 Balance Uncertainty

0.058 Flask Uncertainty

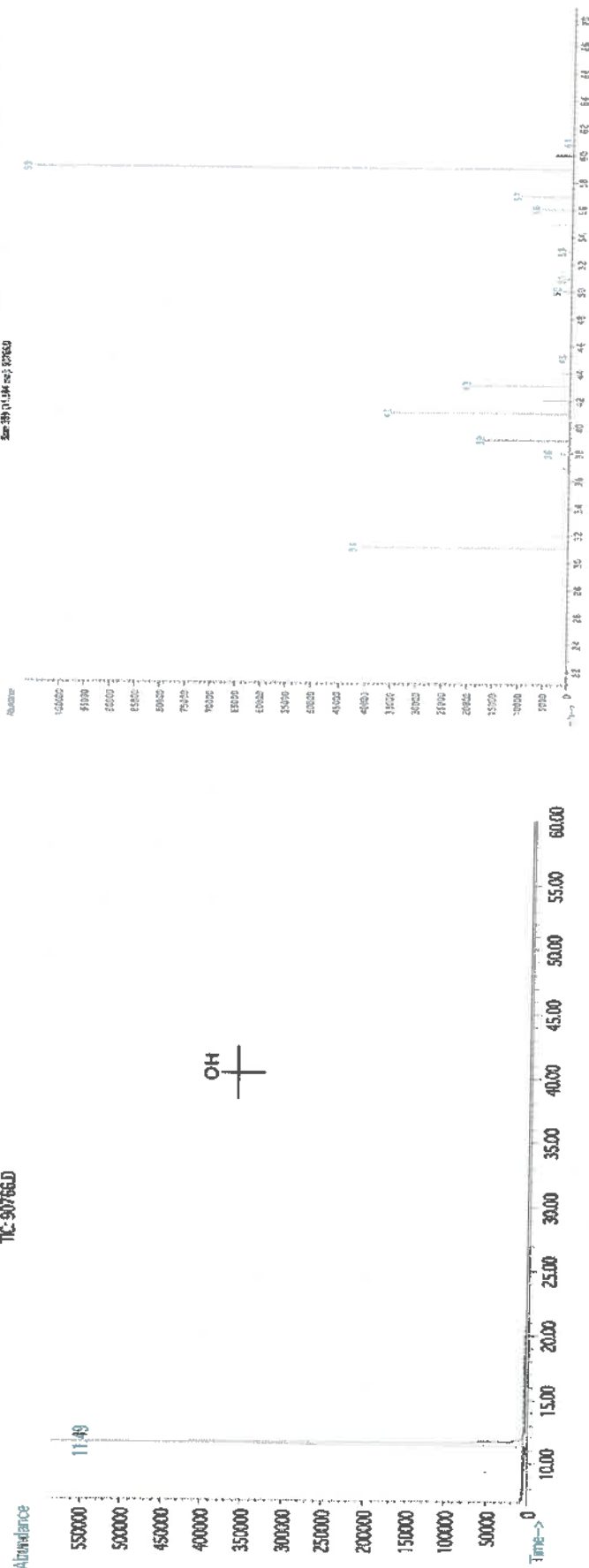
Solvent(s): Lot#
Methanol EA899-US

Formulated By:	Benson Chan	120821	DATE
Reviewed By:	Pedro L. Rantas	120821	DATE

Compound	Lot Number	Lot #	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. tert-Butyl alcohol (t-Butanol)	988	21796PMV	20000	99	0.2	OSHA PEL (TWA) LD50

Method: GC/MSD-1. Detector: MSD. Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1=10min.), Temp. 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector Temp = 200°C, Detector Temp = 220°C. Analyst: Candice Warren.

TIC: 90766.D



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.

* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).

* All Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.

* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

TBA AB_00007



228 JO 171 abed
Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

90766
111120
tert-Butyl alcohol (t-Butanol)
(2-Methyl-2-propanol)

Solvent(s):
Methanol
Lot#
DY186-US

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

111125
Refrigerate (4 °C)
20000
23060

R 2420
MS 710023 #10991629

Weight(s) shown below were combined and diluted to (mL):

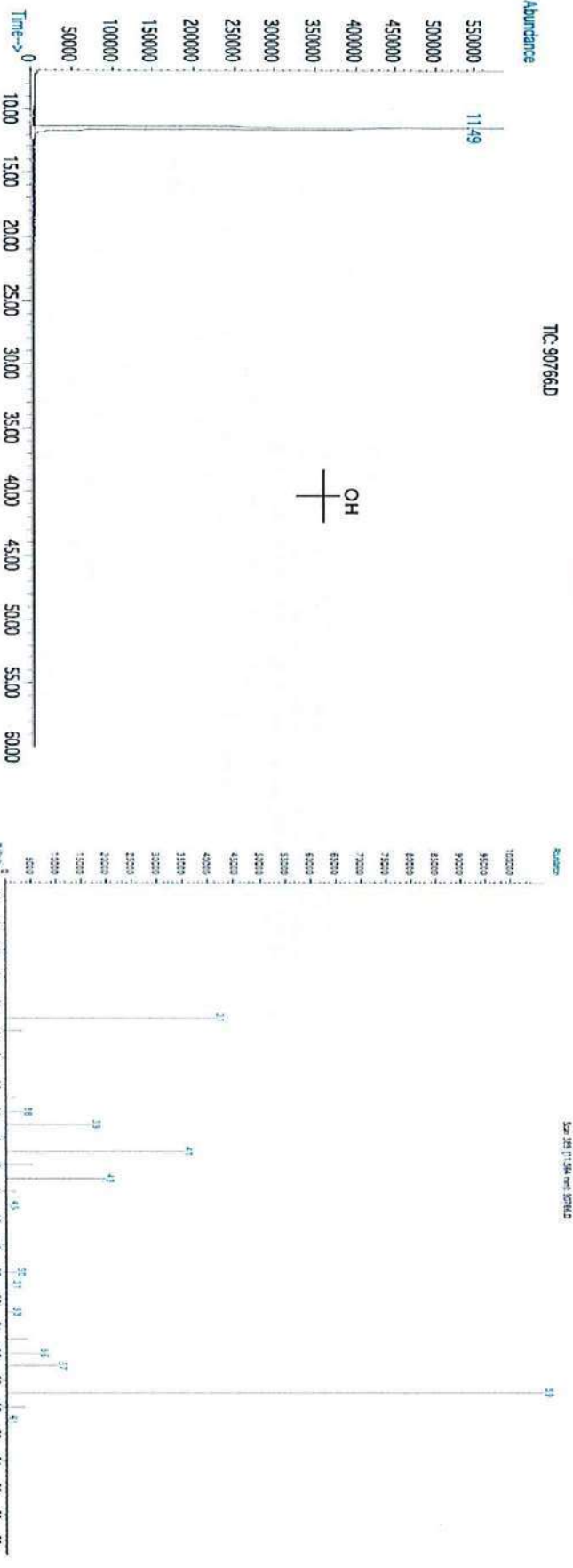
200.0
0.038
Balance Uncertainty
Flask Uncertainty

Formulated By:	Eli Allaga	111120
Reviewed By:	Pedro L. Rentas	111120
DATE		

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50

1. tert-Butyl alcohol (t-Butanol) 988 21796PMV 20000 99 0.2 4.04024 4.04070 20002.3 81.6 75-65-0 100 ppm (300mg/m3/8h) or rat 3500mg/kg

Method: GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1=10min.), Temp. 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector Temp = 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

Vinyl Acetate_00095



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

R2403

MS 5/31/2023

#



3/19/2024
12:53:14 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 569724.SEC Lot No.: A0190670
Description: 8260 List 1 / Std #6 Vinyl Acetate (2015)
8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: April 30, 2024 Storage: -20°C or colder
Handling: This product is photosensitive. Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate	5,024.0 µg/mL	+/- 29.4836 µg/mL Gravimetric
	CAS # 108-05-4.SEC (Lot 190320CGKJ)		+/- 303.1467 µg/mL Unstressed
	Purity 99%		+/- 303.8663 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

Vinyl Acetate_00097

R2448



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



3/19/2024
12:53:14 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0200199

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)
8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD220630	99%	5,036.0 µg/mL	+/- 174.0672

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VMC21SU_00011



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19167
030822

CLP - Instrument Performance Check Solution

Solvent(s):
Lot#
Methanol EB373-US

Expiration Date:

030827

Recommended Storage:

Refrigerate (4 °C)

Normal Concentration (µg/mL):

2500

NIST Test ID#:

6UTB

Weight(s) shown below were combined and diluted to (mL):

100.0

0.012

SE-05

Balance Uncertainty

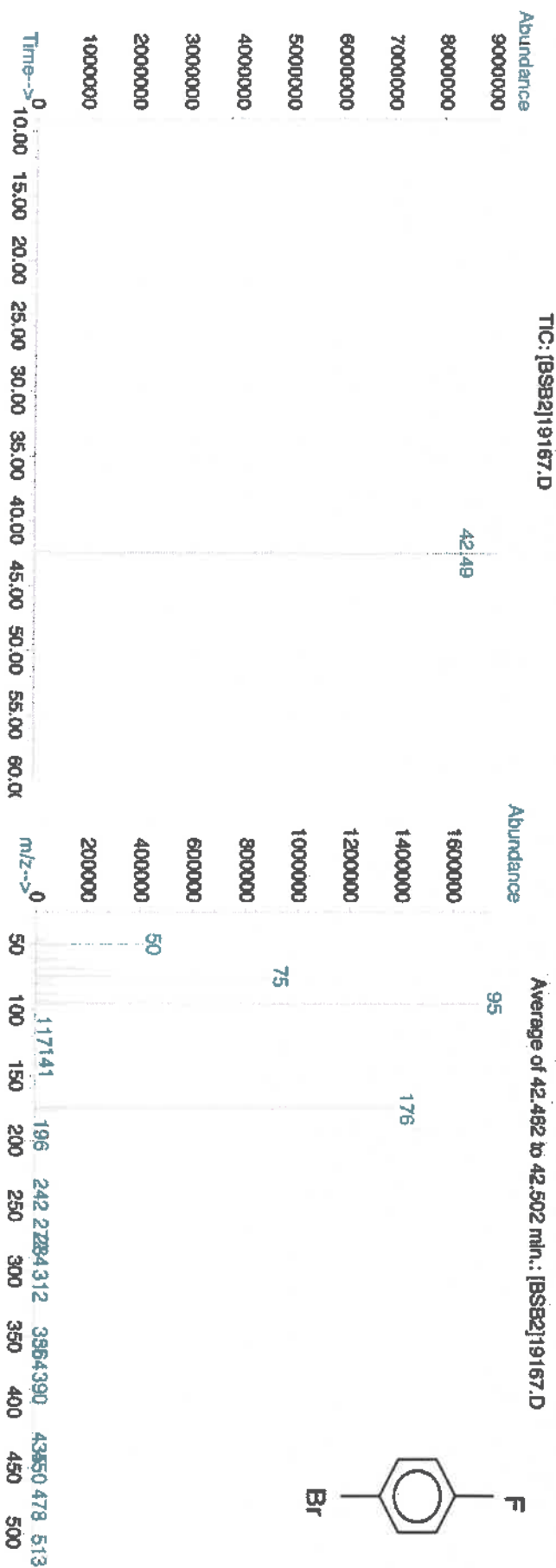
3/23/23

#10669421

Formulated By:	Benson Chan	030822
Reviewed By:	Pedro L. Pentes	030822
DATE		

Compound	RM#	Lot Number	Normal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. p-Bromofluorobenzene	49	01127COV	2500	99	0.2	0.25254	0.25286	2503.2	10.2	460-00-4	N/A	or rat 2700mg/kg

Method GC6MSD-1: Column: Vocod (60m X 0.25mm ID X 1.5µm film thickness). Temp: 1=35°C (10min.), Temp: 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp=200°C, Detector Temp=-20°C, Solvent vent time = 6 min. Analysis performed by Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N., and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

624.1_PREC

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-05B_20240311	460-299781-1	107	101	101	100
MW-06B_20240311	460-299781-2	104	105	99	104
MW-08B_20240311	460-299781-3	104	103	99	100
MW-DUP_20240311	460-299781-4	89	85	95	84
FB_20240311	460-299781-5	101	95	96	95
TB_20240311	460-299781-6	99	95	96	92
	MB 460-964128/9	101	97	92	87
	MB 460-964280/7	104	99	100	101
	LCS 460-964128/4	93	92	96	90
	LCS 460-964280/3	99	96	101	105
	LCSD 460-964128/5	97	97	103	97
	LCSD 460-964280/4	99	95	100	101
MW-05B_20240311 MS	460-299781-1 MS	102	99	105	106
MW-05B_20240311 MSD	460-299781-1 MSD	99	97	98	97

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

QC LIMITS
55-150
49-149
69-121
66-132

Column to be used to flag recovery values

FORM II 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V51768.D
 Lab ID: LCS 460-964128/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	20.0	18.3	91	60-140	
1,1,2-Trichloroethane	20.0	20.4	102	70-130	
1,1-Dichloroethane	20.0	20.7	103	70-130	
1,1-Dichloroethene	20.0	21.2	106	50-150	
1,2-Dichloroethane	20.0	18.4	92	70-130	
1,2-Dichloropropane	20.0	20.1	100	35-165	
2-Butanone	100	90.1	90	60-140	
2-Hexanone	100	106	106	60-140	
4-Methyl-2-pentanone	100	109	109	60-140	
Acetone	100	98.6	99	60-140	
Benzene	20.0	20.9	105	65-135	
Bromodichloromethane	20.0	19.0	95	65-135	
Bromoform	20.0	16.1	81	70-130	
Bromomethane	20.0	17.6	88	15-185	
Carbon disulfide	20.0	19.3	97	60-140	
Carbon tetrachloride	20.0	18.7	94	70-130	
Chlorobenzene	20.0	20.2	101	65-135	
Chloroform	20.0	19.9	100	70-135	
Chloromethane	20.0	23.0	115	0.1-205	
cis-1,2-Dichloroethene	20.0	20.2	101	60-140	
cis-1,3-Dichloropropene	20.0	20.0	100	25-175	
Dibromochloromethane	20.0	18.1	91	70-135	
Ethyl Chloride	20.0	18.6	93	40-160	
Ethylbenzene	20.0	19.5	97	60-140	
Methylene Chloride	20.0	20.9	105	60-140	
MTBE	20.0	18.0	90	60-140	
Styrene	20.0	19.2	96	60-140	
TBA	200	177	89	60-140	
Tetrachloroethene	20.0	19.9	99	70-130	
Toluene	20.0	20.3	101	70-130	
trans-1,2-Dichloroethene	20.0	20.9	104	70-130	
trans-1,3-Dichloropropene	20.0	18.6	93	50-150	
Trichloroethene	20.0	21.0	105	65-135	
Vinyl chloride	20.0	21.1	106	5-195	
Xylenes, Total	40.0	39.5	99	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A10713.D
 Lab ID: LCS 460-964280/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	22.4	112	70-130	
1,1,2,2-Tetrachloroethane	20.0	21.6	108	60-140	
1,1,2-Trichloroethane	20.0	20.0	100	70-130	
1,1-Dichloroethane	20.0	22.0	110	70-130	
1,1-Dichloroethene	20.0	21.0	105	50-150	
1,2-Dichloroethane	20.0	20.9	105	70-130	
1,2-Dichloropropane	20.0	21.2	106	35-165	
2-Butanone	100	99.5	99	60-140	
2-Hexanone	100	103	103	60-140	
4-Methyl-2-pentanone	100	104	104	60-140	
Acetone	100	114	114	60-140	
Benzene	20.0	22.8	114	65-135	
Bromodichloromethane	20.0	21.8	109	65-135	
Bromoform	20.0	23.4	117	70-130	
Bromomethane	20.0	21.3	107	15-185	
Carbon disulfide	20.0	23.1	115	60-140	
Carbon tetrachloride	20.0	23.5	117	70-130	
Chlorobenzene	20.0	21.9	110	65-135	
Chloroform	20.0	21.7	109	70-135	
Chloromethane	20.0	20.7	103	0.1-205	
cis-1,2-Dichloroethene	20.0	21.7	109	60-140	
cis-1,3-Dichloropropene	20.0	22.3	111	25-175	
Dibromochloromethane	20.0	22.0	110	70-135	
Ethyl Chloride	20.0	20.5	102	40-160	
Ethylbenzene	20.0	21.6	108	60-140	
Methylene Chloride	20.0	23.7	118	60-140	
MTBE	20.0	20.3	101	60-140	
Styrene	20.0	23.3	117	60-140	
TBA	200	212	106	60-140	
Tetrachloroethene	20.0	21.8	109	70-130	
Toluene	20.0	22.8	114	70-130	
trans-1,2-Dichloroethene	20.0	21.7	108	70-130	
trans-1,3-Dichloropropene	20.0	22.5	113	50-150	
Trichloroethene	20.0	19.8	99	65-135	
Vinyl chloride	20.0	20.1	101	5-195	
Xylenes, Total	40.0	44.9	112	60-140	

Column to be used to flag recovery and RPD values

FORM III 624.1

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V51769.D
 Lab ID: LCSD 460-964128/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	17.9	89	6	36	70-130	
1,1,2,2-Tetrachloroethane	20.0	17.8	89	2	61	60-140	
1,1,2-Trichloroethane	20.0	19.9	100	3	45	70-130	
1,1-Dichloroethane	20.0	19.9	100	4	40	70-130	
1,1-Dichloroethene	20.0	19.5	98	8	32	50-150	
1,2-Dichloroethane	20.0	17.5	87	5	49	70-130	
1,2-Dichloropropane	20.0	18.5	92	8	55	35-165	
2-Butanone	100	87.9	88	2	50	60-140	
2-Hexanone	100	97.7	98	8	50	60-140	
4-Methyl-2-pentanone	100	101	101	7	50	60-140	
Acetone	100	89.2	89	10	50	60-140	
Benzene	20.0	20.0	100	5	61	65-135	
Bromodichloromethane	20.0	17.7	89	7	56	65-135	
Bromoform	20.0	15.9	80	1	42	70-130	
Bromomethane	20.0	16.7	84	5	61	15-185	
Carbon disulfide	20.0	18.2	91	6	50	60-140	
Carbon tetrachloride	20.0	17.6	88	6	41	70-130	
Chlorobenzene	20.0	19.5	97	4	53	65-135	
Chloroform	20.0	18.9	94	5	54	70-135	
Chloromethane	20.0	21.4	107	7	60	0.1-205	
cis-1,2-Dichloroethene	20.0	19.2	96	5	50	60-140	
cis-1,3-Dichloropropene	20.0	18.9	94	6	58	25-175	
Dibromochloromethane	20.0	16.9	84	7	50	70-135	
Ethyl Chloride	20.0	17.6	88	5	78	40-160	
Ethylbenzene	20.0	19.1	95	2	63	60-140	
Methylene Chloride	20.0	20.3	102	3	28	60-140	
MTBE	20.0	17.7	89	2	50	60-140	
Styrene	20.0	18.1	90	6	50	60-140	
TBA	200	176	88	0	50	60-140	
Tetrachloroethene	20.0	18.8	94	6	39	70-130	
Toluene	20.0	19.4	97	4	41	70-130	
trans-1,2-Dichloroethene	20.0	19.4	97	7	45	70-130	
trans-1,3-Dichloropropene	20.0	18.1	91	2	86	50-150	
Trichloroethene	20.0	19.2	96	9	48	65-135	
Vinyl chloride	20.0	19.4	97	9	66	5-195	
Xylenes, Total	40.0	38.2	95	4	50	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A10714.D
 Lab ID: LCSD 460-964280/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	20.6	103	8	36	70-130	
1,1,2,2-Tetrachloroethane	20.0	19.6	98	10	61	60-140	
1,1,2-Trichloroethane	20.0	19.0	95	5	45	70-130	
1,1-Dichloroethane	20.0	21.3	106	3	40	70-130	
1,1-Dichloroethene	20.0	19.3	96	9	32	50-150	
1,2-Dichloroethane	20.0	19.2	96	9	49	70-130	
1,2-Dichloropropane	20.0	20.5	103	3	55	35-165	
2-Butanone	100	102	102	3	50	60-140	
2-Hexanone	100	102	102	1	50	60-140	
4-Methyl-2-pentanone	100	99.0	99	5	50	60-140	
Acetone	100	107	107	6	50	60-140	
Benzene	20.0	21.9	110	4	61	65-135	
Bromodichloromethane	20.0	20.0	100	9	56	65-135	
Bromoform	20.0	21.3	106	10	42	70-130	
Bromomethane	20.0	20.8	104	2	61	15-185	
Carbon disulfide	20.0	21.5	107	7	50	60-140	
Carbon tetrachloride	20.0	20.3	102	14	41	70-130	
Chlorobenzene	20.0	20.9	105	5	53	65-135	
Chloroform	20.0	21.1	106	3	54	70-135	
Chloromethane	20.0	19.0	95	8	60	0.1-205	
cis-1,2-Dichloroethene	20.0	20.8	104	4	50	60-140	
cis-1,3-Dichloropropene	20.0	20.7	103	8	58	25-175	
Dibromochloromethane	20.0	19.5	97	12	50	70-135	
Ethyl Chloride	20.0	20.1	101	2	78	40-160	
Ethylbenzene	20.0	20.7	103	4	63	60-140	
Methylene Chloride	20.0	21.4	107	10	28	60-140	
MTBE	20.0	20.0	100	1	50	60-140	
Styrene	20.0	21.7	109	7	50	60-140	
TBA	200	194	97	9	50	60-140	
Tetrachloroethene	20.0	20.6	103	6	39	70-130	
Toluene	20.0	20.9	104	9	41	70-130	
trans-1,2-Dichloroethene	20.0	21.2	106	2	45	70-130	
trans-1,3-Dichloropropene	20.0	20.1	100	11	86	50-150	
Trichloroethene	20.0	19.4	97	2	48	65-135	
Vinyl chloride	20.0	18.2	91	10	66	5-195	
Xylenes, Total	40.0	42.3	106	6	50	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A10722.D
 Lab ID: 460-299781-1 MS Client ID: MW-05B_20240311 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	1.0 U	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	20.6	103	60-140	
1,1,2-Trichloroethane	20.0	1.0 U	19.0	95	70-130	
1,1-Dichloroethane	20.0	1.0 U	19.7	98	70-130	
1,1-Dichloroethene	20.0	1.0 U	18.4	92	50-150	
1,2-Dichloroethane	20.0	1.0 U	19.9	99	70-130	
1,2-Dichloropropane	20.0	1.0 U	19.4	97	35-165	
2-Butanone	100	5.0 U	96.6	97	60-140	
2-Hexanone	100	5.0 U	94.1	94	60-140	
4-Methyl-2-pentanone	100	5.0 U	99.8	100	60-140	
Acetone	100	6.0 U	98.7	99	60-140	
Benzene	20.0	1.0 U	21.8	109	65-135	
Bromodichloromethane	20.0	1.0 U	18.8	94	65-135	
Bromoform	20.0	1.0 U	21.6	108	70-130	
Bromomethane	20.0	1.0 U	19.3	97	15-185	
Carbon disulfide	20.0	1.0 U	20.0	100	60-140	
Carbon tetrachloride	20.0	1.0 U	20.6	103	70-130	
Chlorobenzene	20.0	1.0 U	20.4	102	65-135	
Chloroform	20.0	1.0 U	20.7	103	70-135	
Chloromethane	20.0	1.0 U	17.9	89	0.1-205	
cis-1,2-Dichloroethene	20.0	1.0 U	18.8	94	60-140	
cis-1,3-Dichloropropene	20.0	1.0 U	20.1	100	25-175	
Dibromochloromethane	20.0	1.0 U	20.2	101	70-135	
Ethyl Chloride	20.0	1.0 U	18.3	92	40-160	
Ethylbenzene	20.0	1.0 U	20.8	104	60-140	
Methylene Chloride	20.0	1.0 U	20.1	100	60-140	
MTBE	20.0	0.84 J	19.8	95	60-140	
Styrene	20.0	1.0 U	20.5	103	60-140	
TBA	200	10 U	201	101	60-140	
Tetrachloroethene	20.0	1.0 U	19.9	100	70-130	
Toluene	20.0	1.0 U	20.5	102	70-130	
trans-1,2-Dichloroethene	20.0	1.0 U	20.7	104	70-130	
trans-1,3-Dichloropropene	20.0	1.0 U	20.1	100	50-150	
Trichloroethene	20.0	1.0 U	18.4	92	65-135	
Vinyl chloride	20.0	1.0 U	17.5	88	5-195	
Xylenes, Total	40.0	2.0 U	40.7	102	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A10723.D
 Lab ID: 460-299781-1 MSD Client ID: MW-05B_20240311 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	21.5	108	9	36	70-130	
1,1,2,2-Tetrachloroethane	20.0	21.5	107	4	61	60-140	
1,1,2-Trichloroethane	20.0	19.1	96	1	45	70-130	
1,1-Dichloroethane	20.0	20.8	104	6	40	70-130	
1,1-Dichloroethene	20.0	19.9	99	8	32	50-150	
1,2-Dichloroethane	20.0	19.9	100	0	49	70-130	
1,2-Dichloropropane	20.0	19.1	96	1	55	35-165	
2-Butanone	100	94.9	95	2	50	60-140	
2-Hexanone	100	99.8	100	6	50	60-140	
4-Methyl-2-pentanone	100	101	101	2	50	60-140	
Acetone	100	88.0	88	11	50	60-140	
Benzene	20.0	21.8	109	0	61	65-135	
Bromodichloromethane	20.0	20.2	101	7	56	65-135	
Bromoform	20.0	22.0	110	2	42	70-130	
Bromomethane	20.0	20.4	102	6	61	15-185	
Carbon disulfide	20.0	22.0	110	9	50	60-140	
Carbon tetrachloride	20.0	21.2	106	3	41	70-130	
Chlorobenzene	20.0	20.7	104	2	53	65-135	
Chloroform	20.0	21.2	106	3	54	70-135	
Chloromethane	20.0	18.7	94	5	60	0.1-205	
cis-1,2-Dichloroethene	20.0	20.5	103	9	50	60-140	
cis-1,3-Dichloropropene	20.0	21.5	108	7	58	25-175	
Dibromochloromethane	20.0	21.5	108	6	50	70-135	
Ethyl Chloride	20.0	19.7	98	7	78	40-160	
Ethylbenzene	20.0	21.4	107	3	63	60-140	
Methylene Chloride	20.0	21.5	108	7	28	60-140	
MTBE	20.0	20.4	98	3	50	60-140	
Styrene	20.0	21.1	105	3	50	60-140	
TBA	200	215	108	7	50	60-140	
Tetrachloroethene	20.0	21.0	105	5	39	70-130	
Toluene	20.0	21.3	107	4	41	70-130	
trans-1,2-Dichloroethene	20.0	21.0	105	1	45	70-130	
trans-1,3-Dichloropropene	20.0	19.9	99	1	86	50-150	
Trichloroethene	20.0	19.1	95	4	48	65-135	
Vinyl chloride	20.0	18.3	91	4	66	5-195	
Xylenes, Total	40.0	41.8	105	3	50	60-140	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: V51773.D Lab Sample ID: MB 460-964128/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS7 Date Analyzed: 03/14/2024 21:57
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-964128/4	V51768.D	03/14/2024 20:12
	LCSD 460-964128/5	V51769.D	03/14/2024 20:33
FB_20240311	460-299781-5	V51774.D	03/14/2024 22:18
TB_20240311	460-299781-6	V51775.D	03/14/2024 22:40
MW-DUP_20240311	460-299781-4	V51781.D	03/15/2024 00:46

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: A10717.D Lab Sample ID: MB 460-964280/7
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS1 Date Analyzed: 03/15/2024 12:00
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-964280/3	A10713.D	03/15/2024 10:27
	LCSD 460-964280/4	A10714.D	03/15/2024 10:50
MW-05B_20240311	460-299781-1	A10718.D	03/15/2024 12:24
MW-06B_20240311	460-299781-2	A10719.D	03/15/2024 12:47
MW-08B_20240311	460-299781-3	A10720.D	03/15/2024 13:10
MW-05B_20240311 MS	460-299781-1 MS	A10722.D	03/15/2024 13:57
MW-05B_20240311 MSD	460-299781-1 MSD	A10723.D	03/15/2024 14:20

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: A09698.D BFB Injection Date: 02/15/2024
Instrument ID: CVOAMS1 BFB Injection Time: 09:48
Analysis Batch No.: 959555

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	1.0	(1.1) 1
174	Greater than 50% of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	6.3	(7.1) 1
176	95.0 - 101.0 % of mass 174	86.0	(97.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-959555/3	A09700.D	02/15/2024	10:32
	STD1 460-959555/4	A09701.D	02/15/2024	10:56
	STD5 460-959555/5	A09702.D	02/15/2024	11:19
	STD20 460-959555/6	A09703.D	02/15/2024	11:43
	STD50 460-959555/7	A09704.D	02/15/2024	12:06
	STD200 460-959555/8	A09705.D	02/15/2024	12:29
	STD500 460-959555/9	A09706.D	02/15/2024	12:52
	ICV 460-959555/16	A09713.D	02/15/2024	15:35

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: A10711.D BFB Injection Date: 03/15/2024
Instrument ID: CVOAMS1 BFB Injection Time: 09:47
Analysis Batch No.: 964280

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	52.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.9
173	Less than 2.0 % of mass 174	1.6 (1.6) 1
174	Greater than 50% of mass 95	96.6
175	5.0 - 9.0 % of mass 174	5.9 (6.1) 1
176	95.0 - 101.0 % of mass 174	93.5 (96.8) 1
177	5.0 - 9.0 % of mass 176	5.4 (5.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-964280/2	A10712.D	03/15/2024	10:03
	LCS 460-964280/3	A10713.D	03/15/2024	10:27
	LCSD 460-964280/4	A10714.D	03/15/2024	10:50
	MB 460-964280/7	A10717.D	03/15/2024	12:00
MW-05B_20240311	460-299781-1	A10718.D	03/15/2024	12:24
MW-06B_20240311	460-299781-2	A10719.D	03/15/2024	12:47
MW-08B_20240311	460-299781-3	A10720.D	03/15/2024	13:10
MW-05B_20240311 MS	460-299781-1 MS	A10722.D	03/15/2024	13:57
MW-05B_20240311 MSD	460-299781-1 MSD	A10723.D	03/15/2024	14:20

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: V49181.D BFB Injection Date: 01/04/2024
Instrument ID: CVOAMS7 BFB Injection Time: 23:02
Analysis Batch No.: 953473

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.5
75	30.0 - 60.0 % of mass 95	51.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.2 (0.2) 1
174	Greater than 50% of mass 95	75.4
175	5.0 - 9.0 % of mass 174	5.9 (7.9) 1
176	95.0 - 101.0 % of mass 174	74.7 (99.1) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-953473/3	V49183.D	01/04/2024	23:54
	STD05 460-953473/4	V49184.D	01/05/2024	0:15
	STD5 460-953473/6	V49186.D	01/05/2024	0:58
	STD20 460-953473/7	V49187.D	01/05/2024	1:19
	STD50 460-953473/8	V49188.D	01/05/2024	1:41
	STD200 460-953473/9	V49189.D	01/05/2024	2:02
	STD500 460-953473/10	V49190.D	01/05/2024	2:23
	STD1 460-953473/16	V49196.D	01/05/2024	9:04
	ICV 460-953473/18	V49198.D	01/05/2024	9:46

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Lab File ID: V51765.D BFB Injection Date: 03/14/2024
Instrument ID: CVOAMS7 BFB Injection Time: 19:13
Analysis Batch No.: 964128

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.1
75	30.0 - 60.0 % of mass 95	56.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.0
173	Less than 2.0 % of mass 174	1.4 (1.9) 1
174	Greater than 50% of mass 95	74.6
175	5.0 - 9.0 % of mass 174	6.0 (8.0) 1
176	95.0 - 101.0 % of mass 174	71.3 (95.5) 1
177	5.0 - 9.0 % of mass 176	5.0 (7.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-964128/3	V51767.D	03/14/2024	19:51
	LCS 460-964128/4	V51768.D	03/14/2024	20:12
	LCSD 460-964128/5	V51769.D	03/14/2024	20:33
	MB 460-964128/9	V51773.D	03/14/2024	21:57
FB_20240311	460-299781-5	V51774.D	03/14/2024	22:18
TB_20240311	460-299781-6	V51775.D	03/14/2024	22:40
MW-DUP_20240311	460-299781-4	V51781.D	03/15/2024	0:46

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Sample No.: STD20 460-959555/6 Date Analyzed: 02/15/2024 11:43
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
Lab File ID (Standard): A09703.D Heated Purge: (Y/N) N
Calibration ID: 96072

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		119051	3.18	164229	4.29	504225	5.47
UPPER LIMIT		238102	3.68	328458	4.79	1008450	5.97
LOWER LIMIT		59526	2.68	82115	3.79	252113	4.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-959555/16		140687	3.18	189248	4.29	563987	5.47

TBAd9 = TBA-d9 (IS)

BUT = 2-Butanone-d5

FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Sample No.: STD20 460-959555/6 Date Analyzed: 02/15/2024 11:43
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
Lab File ID (Standard): A09703.D Heated Purge: (Y/N) N
Calibration ID: 96072

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		17200	6.24	415195	9.41	239142	11.29
UPPER LIMIT		34400	6.74	830390	9.91	478284	11.79
LOWER LIMIT		8600	5.74	207598	8.91	119571	10.79
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 460-959555/16		18034	6.24	453430	9.41	253639	11.29

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Sample No.: CCVIS 460-964280/2 Date Analyzed: 03/15/2024 10:03
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A10712.D Heated Purge: (Y/N) N
 Calibration ID: 96072

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		97758	3.18	146833	4.29	491786	5.47
UPPER LIMIT		195516	3.68	293666	4.79	983572	5.97
LOWER LIMIT		48879	2.68	73417	3.79	245893	4.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-964280/3		98980	3.18	143307	4.29	479778	5.48
LCSD 460-964280/4		95350	3.18	141348	4.29	486434	5.48
MB 460-964280/7		89173	3.18	128343	4.29	465531	5.48
460-299781-1	MW-05B_20240311	95424	3.18	132781	4.29	451957	5.48
460-299781-2	MW-06B_20240311	100147	3.18	137270	4.29	458636	5.48
460-299781-3	MW-08B_20240311	91865	3.18	132621	4.29	449294	5.47
460-299781-1 MS	MW-05B_20240311 MS	92399	3.18	131765	4.29	457331	5.48
460-299781-1 MSD	MW-05B_20240311 MSD	97602	3.18	140173	4.29	466709	5.47

TBAd9 = TBA-d9 (IS)

BUT = 2-Butanone-d5

FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Sample No.: CCVIS 460-964280/2 Date Analyzed: 03/15/2024 10:03
 Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): A10712.D Heated Purge: (Y/N) N
 Calibration ID: 96072

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		14309	6.24	395437	9.41	218030	11.29
UPPER LIMIT		28618	6.74	790874	9.91	436060	11.79
LOWER LIMIT		7155	5.74	197719	8.91	109015	10.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-964280/3		13789	6.23	379380	9.41	214337	11.29
LCSD 460-964280/4		12977	6.24	387378	9.41	217143	11.29
MB 460-964280/7		12344	6.24	376263	9.41	208770	11.30
460-299781-1	MW-05B_20240311	13556	6.25	369387	9.41	204349	11.30
460-299781-2	MW-06B_20240311	12642	6.23	375216	9.41	207516	11.29
460-299781-3	MW-08B_20240311	11324	6.23	366875	9.41	197459	11.29
460-299781-1 MS	MW-05B_20240311 MS	13048	6.23	352850	9.41	194804	11.29
460-299781-1 MSD	MW-05B_20240311 MSD	12939	6.23	373432	9.41	207143	11.29

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Sample No.: STD20 460-953473/7 Date Analyzed: 01/05/2024 01:19
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm)
Lab File ID (Standard): V49187.D Heated Purge: (Y/N) N
Calibration ID: 95609

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		40605	2.49	333470	3.39	684700	4.42
UPPER LIMIT		81210	2.99	666940	3.89	1369400	4.92
LOWER LIMIT		20303	1.99	166735	2.89	342350	3.92
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 460-953473/18		40680	2.49	354247	3.39	717280	4.42

TBAd9 = TBA-d9 (IS)

BUT = 2-Butanone-d5

FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Sample No.: STD20 460-953473/7 Date Analyzed: 01/05/2024 01:19
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm)
Lab File ID (Standard): V49187.D Heated Purge: (Y/N) N
Calibration ID: 95609

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		24961	5.12	477926	8.04	223170	10.38
UPPER LIMIT		49922	5.62	955852	8.54	446340	10.88
LOWER LIMIT		12481	4.62	238963	7.54	111585	9.88
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 460-953473/18		23217	5.12	505900	8.04	233729	10.38

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Sample No.: CCVIS 460-964128/3 Date Analyzed: 03/14/2024 19:51
 Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): V51767.D Heated Purge: (Y/N) N
 Calibration ID: 95609

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		45280	2.49	475889	3.39	1105515	4.41
UPPER LIMIT		90560	2.99	951778	3.89	2211030	4.91
LOWER LIMIT		22640	1.99	237945	2.89	552758	3.91
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-964128/4		44027	2.49	511084	3.39	1191730	4.41
LCSD 460-964128/5		45510	2.48	526243	3.39	1190693	4.41
MB 460-964128/9		34155	2.49	417425	3.39	1051317	4.41
460-299781-5	FB_20240311	30347	2.49	370579	3.39	1006923	4.41
460-299781-6	TB_20240311	34463	2.49	393571	3.39	1025888	4.41
460-299781-4	MW-DUP_20240311	29342	2.49	363902	3.40	1054958	4.42

TBAd9 = TBA-d9 (IS)

BUT = 2-Butanone-d5

FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-299781-1
 SDG No.: _____
 Sample No.: CCVIS 460-964128/3 Date Analyzed: 03/14/2024 19:51
 Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): V51767.D Heated Purge: (Y/N) N
 Calibration ID: 95609

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		32725	5.12	767030	8.04	358143	10.38
UPPER LIMIT		65450	5.62	1534060	8.54	716286	10.88
LOWER LIMIT		16363	4.62	383515	7.54	179072	9.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-964128/4		32070	5.12	817926	8.04	382071	10.38
LCSD 460-964128/5		35307	5.12	806840	8.04	374887	10.38
MB 460-964128/9		21778	5.14	776058	8.04	348175	10.38
460-299781-5	FB_20240311	22668	5.13	717325	8.04	307074	10.38
460-299781-6	TB_20240311	22057	5.14	714575	8.04	320817	10.38
460-299781-4	MW-DUP_20240311	29864	5.14	754838	8.04	318052	10.38

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-05B_20240311</u>	Lab Sample ID: <u>460-299781-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10718.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/15/2024 12:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	0.84	J	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-05B_20240311 Lab Sample ID: 460-299781-1
Matrix: Water Lab File ID: A10718.D
Analysis Method: 624.1 Date Collected: 03/11/2024 13:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 12:24
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		49-149
460-00-4	Bromofluorobenzene	100		66-132
1868-53-7	Dibromofluoromethane (Surr)	107		55-150
2037-26-5	Toluene-d8 (Surr)	101		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-05B_20240311</u>	Lab Sample ID: <u>460-299781-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10718.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 12:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D
 Lims ID: 460-299781-B-1
 Client ID: MW-05B_20240311
 Sample Type: Client
 Inject. Date: 15-Mar-2024 12:24:30 ALS Bottle#: 7 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-B-1
 Misc. Info.: 460-0173435-009
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:44:45 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:44:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.175	3.181	-0.006	0	95424	1000.0	
33 Methyl tert-butyl ether	73	3.375	3.375	0.000	91	5339	0.8362	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	132781	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	138314	53.3	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.181	-0.006	0	139925	50.6	
* 66 Fluorobenzene	96	5.475	5.469	0.006	98	451957	50.0	
* 73 1,4-Dioxane-d8	96	6.245	6.240	0.005	0	13556	1000.0	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	494109	50.5	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	369387	50.0	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	94	158055	49.8	
* 121 1,4-Dichlorobenzene-d4	152	11.298	11.292	0.006	96	204349	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D

Injection Date: 15-Mar-2024 12:24:30

Instrument ID: CVOAMS1

Operator ID:

Lims ID: 460-299781-B-1

Lab Sample ID: 460-299781-1

Worklist Smp#: 9

Client ID: MW-05B_20240311

Purge Vol: 5.000 mL

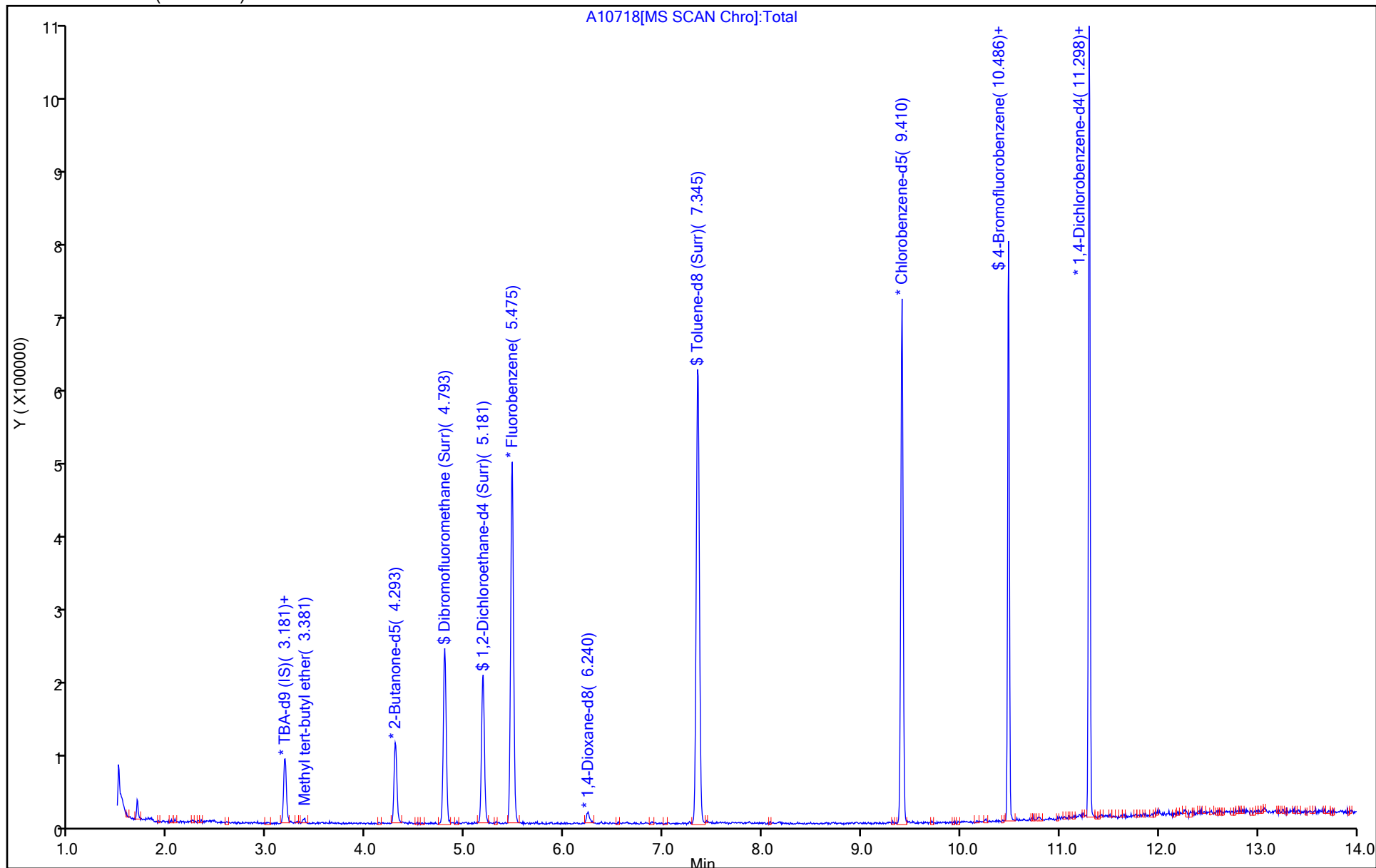
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D
Lims ID: 460-299781-B-1
Client ID: MW-05B_20240311
Sample Type: Client
Inject. Date: 15-Mar-2024 12:24:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-B-1
Misc. Info.: 460-0173435-009
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:44:45 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:44:45

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	53.3	106.68
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.21
\$ 83 Toluene-d8 (Surr)	50.0	50.5	101.01
\$ 105 4-Bromofluorobenzene	50.0	49.8	99.60

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D

Injection Date: 15-Mar-2024 12:24:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-1

Lab Sample ID: 460-299781-1

Client ID: MW-05B_20240311

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

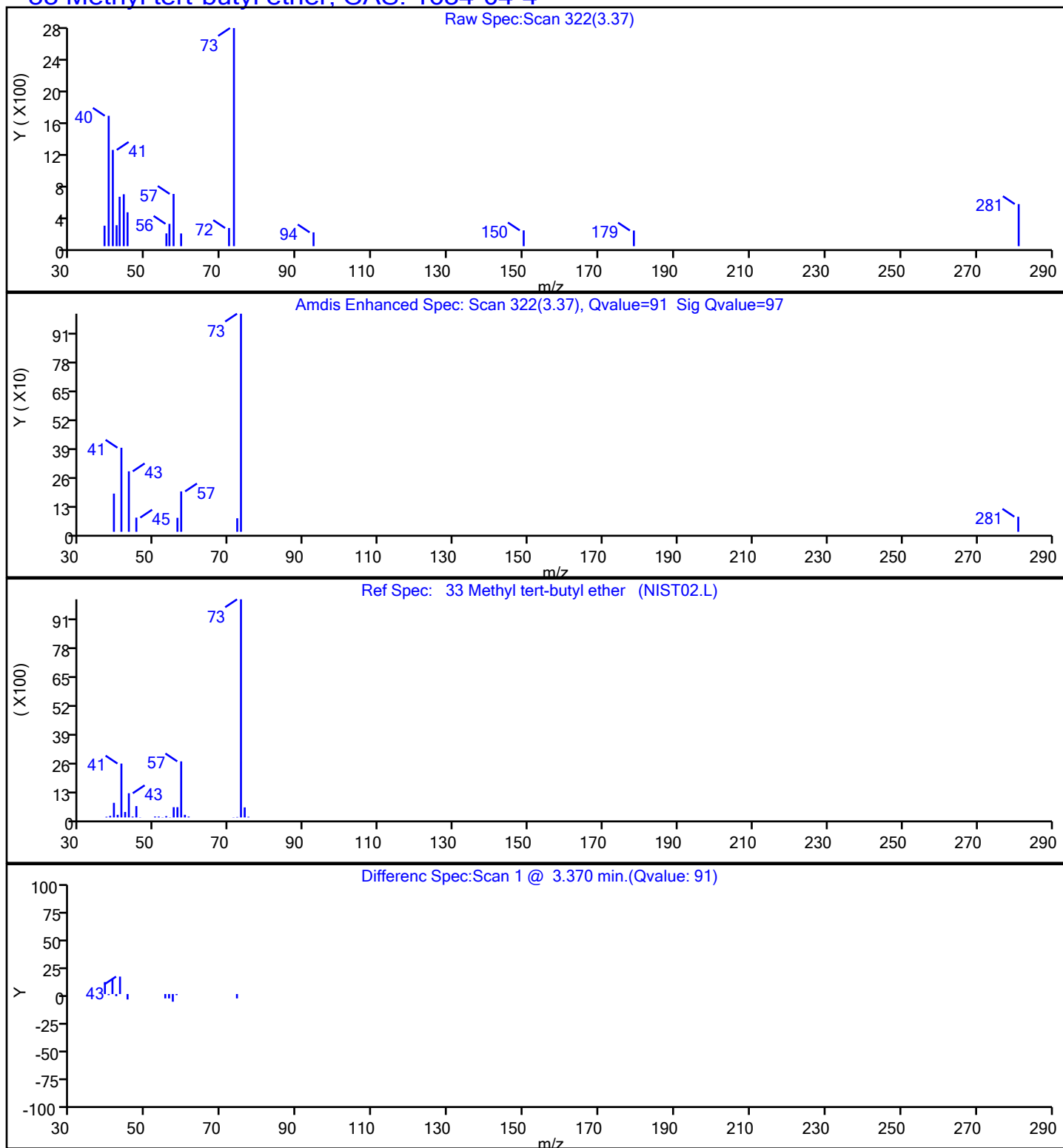
Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D

Injection Date: 15-Mar-2024 12:24:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-1

Lab Sample ID: 460-299781-1

Client ID: MW-05B_20240311

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

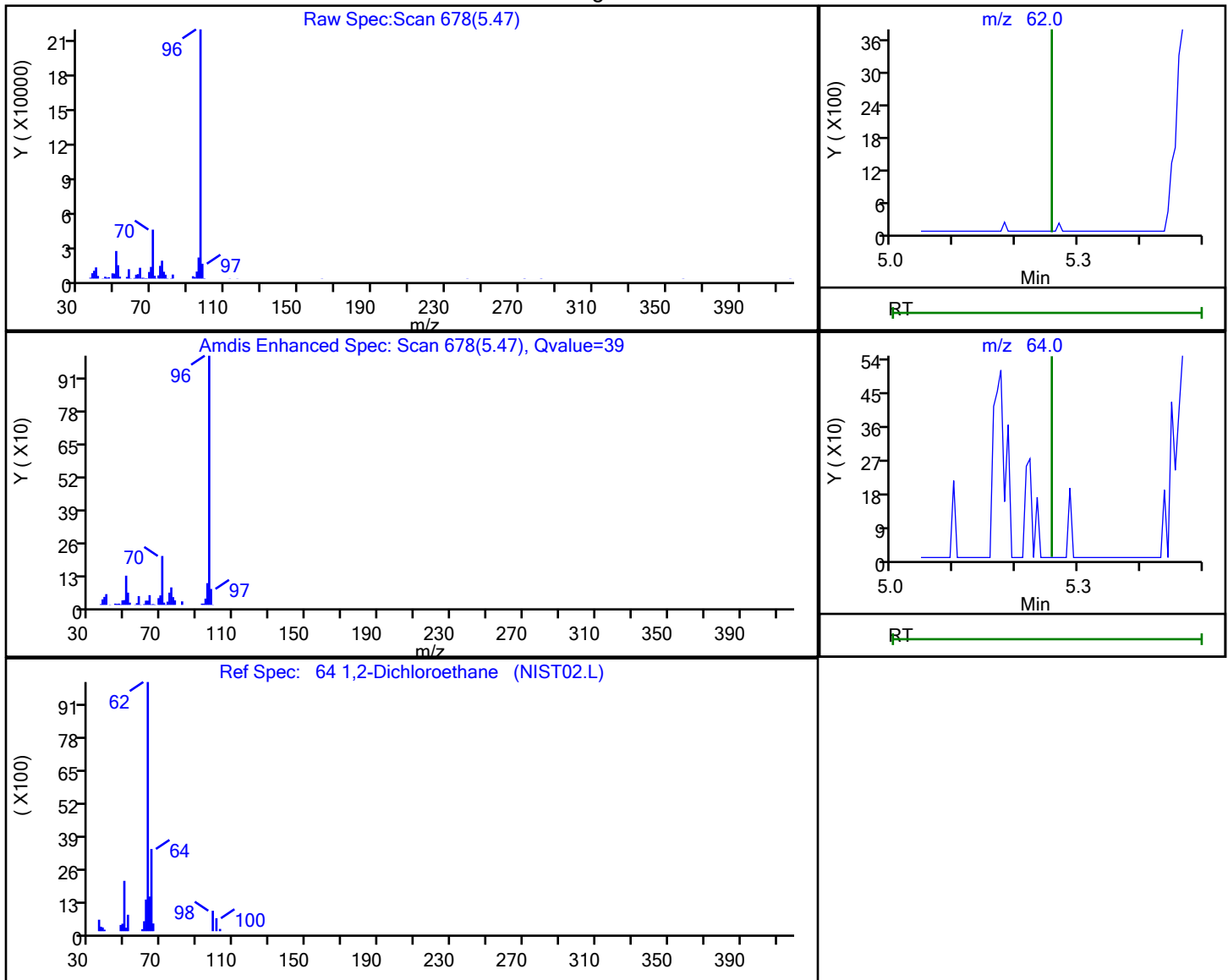
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.47	62.00	7179	1.945094
5.47	64.00	1219	

Reviewer: NN6A, 15-Mar-2024 12:44:19 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10718.D

Injection Date: 15-Mar-2024 12:24:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-1

Lab Sample ID: 460-299781-1

Client ID: MW-05B_20240311

Operator ID:

ALS Bottle#:

7

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

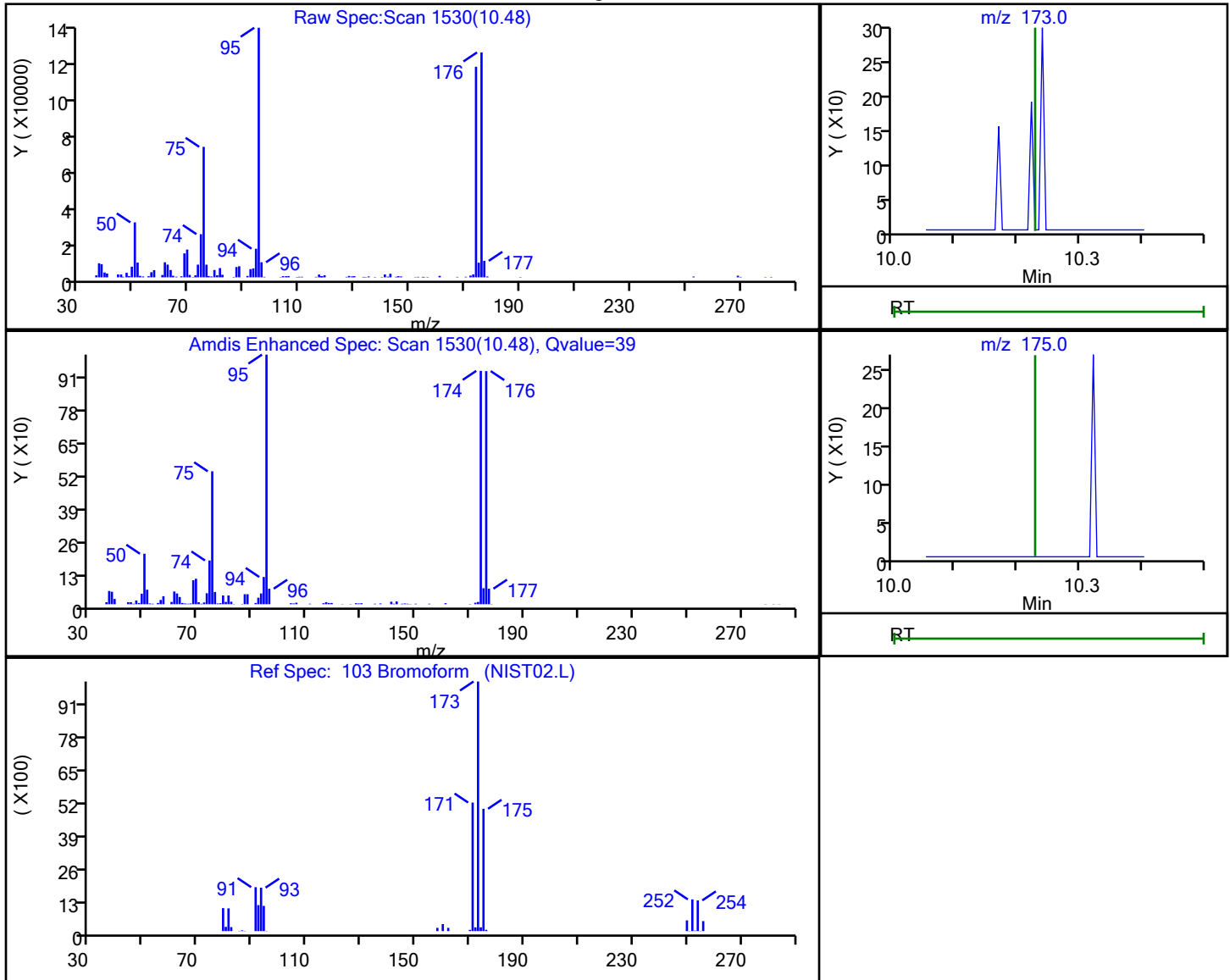
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.48	173.00	1678	1.024720
10.49	175.00	10551	

Reviewer: NN6A, 15-Mar-2024 12:44:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-06B_20240311</u>	Lab Sample ID: <u>460-299781-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10719.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 14:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 12:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	84		1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	22		10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-06B_20240311 Lab Sample ID: 460-299781-2
Matrix: Water Lab File ID: A10719.D
Analysis Method: 624.1 Date Collected: 03/11/2024 14:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 12:47
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		49-149
460-00-4	Bromofluorobenzene	104		66-132
1868-53-7	Dibromofluoromethane (Surr)	104		55-150
2037-26-5	Toluene-d8 (Surr)	99		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-06B_20240311</u>	Lab Sample ID: <u>460-299781-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10719.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 14:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 12:47</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D
 Lims ID: 460-299781-B-2
 Client ID: MW-06B_20240311
 Sample Type: Client
 Inject. Date: 15-Mar-2024 12:47:30 ALS Bottle#: 8 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-B-2
 Misc. Info.: 460-0173435-010
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 13:07:19 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 13:07:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	100147	1000.0	
32 2-Methyl-2-propanol	59	3.251	3.246	0.005	66	2895	21.6	
33 Methyl tert-butyl ether	73	3.369	3.375	-0.006	97	543456	83.9	
* 42 2-Butanone-d5	46	4.292	4.293	-0.001	0	137270	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.792	4.793	-0.001	96	136780	52.0	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	147940	52.7	
* 66 Fluorobenzene	96	5.475	5.469	0.006	99	458636	50.0	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	12642	1000.0	
\$ 83 Toluene-d8 (Surr)	98	7.351	7.345	0.006	99	490014	49.3	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	375216	50.0	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	95	167835	52.1	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	96	207516	50.0	

QC Flag Legend

Processing Flags

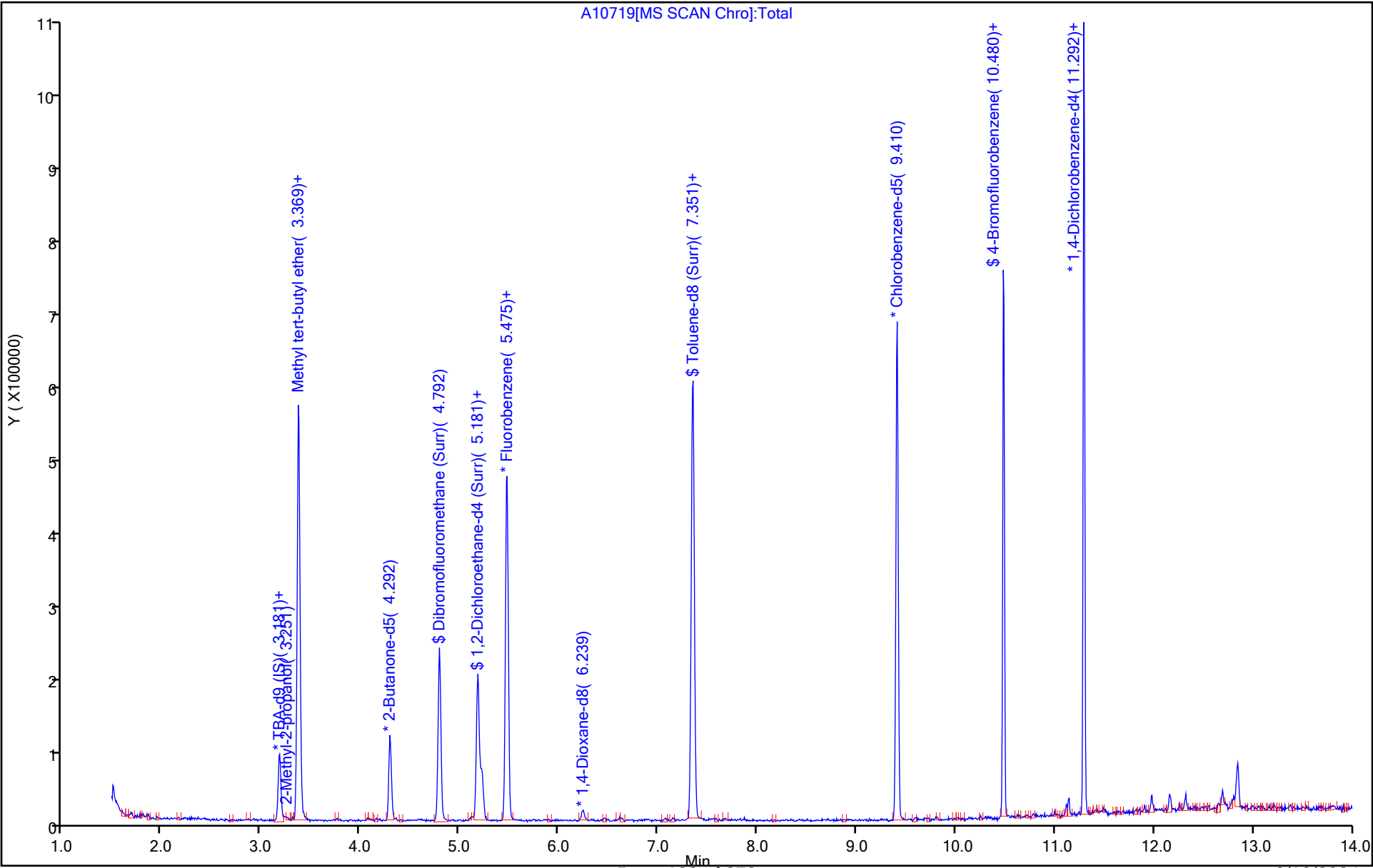
Reagents:

8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D
Injection Date: 15-Mar-2024 12:47:30 Instrument ID: CVOAMS1
Lims ID: 460-299781-B-2 Lab Sample ID: 460-299781-2
Client ID: MW-06B_20240311
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624.1 ICAL
Column: Rtx-624 (0.25 mm)

Operator ID:
Worklist Smp#: 10
ALS Bottle#: 8



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D
Lims ID: 460-299781-B-2
Client ID: MW-06B_20240311
Sample Type: Client
Inject. Date: 15-Mar-2024 12:47:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-B-2
Misc. Info.: 460-0173435-010
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 13:07:19 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 13:07:19

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	52.0	103.96
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.7	105.45
\$ 83 Toluene-d8 (Surr)	50.0	49.3	98.62
\$ 105 4-Bromofluorobenzene	50.0	52.1	104.12

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D

Injection Date: 15-Mar-2024 12:47:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-2

Lab Sample ID: 460-299781-2

Client ID: MW-06B_20240311

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

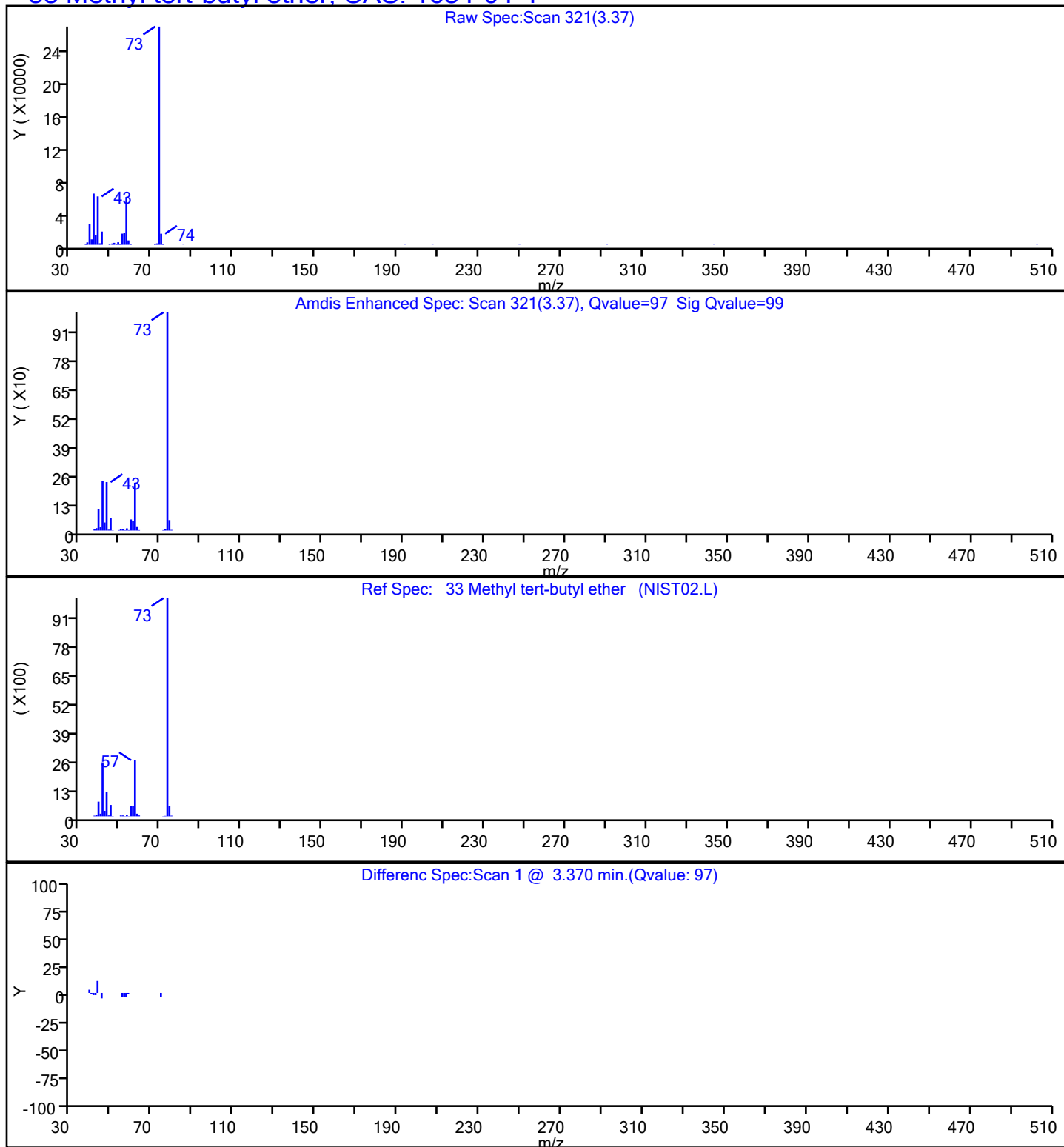
Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D

Injection Date: 15-Mar-2024 12:47:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-2

Lab Sample ID: 460-299781-2

Client ID: MW-06B_20240311

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

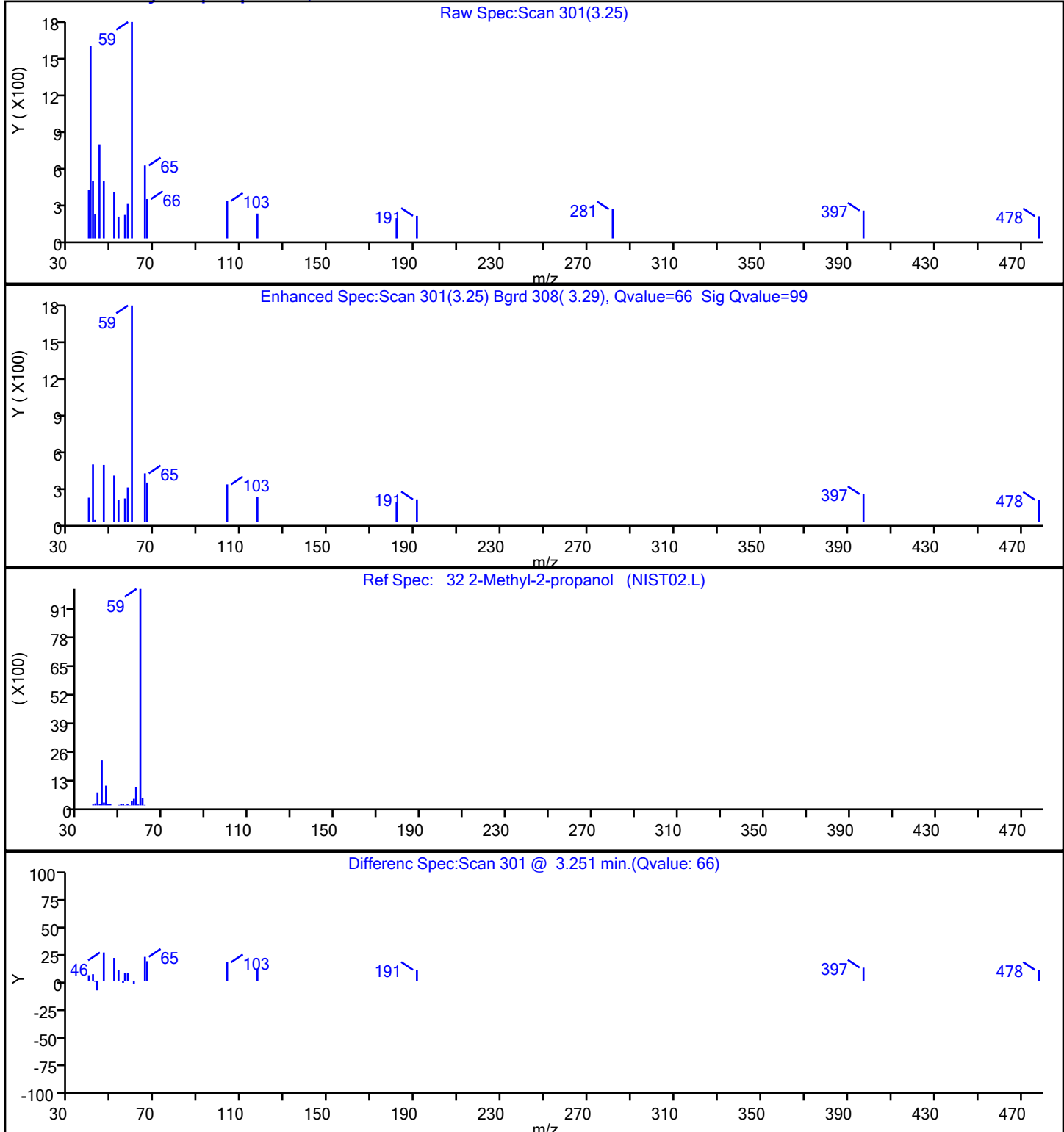
Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10719.D

Injection Date: 15-Mar-2024 12:47:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-2

Lab Sample ID: 460-299781-2

Client ID: MW-06B_20240311

Operator ID:

ALS Bottle#:

8

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

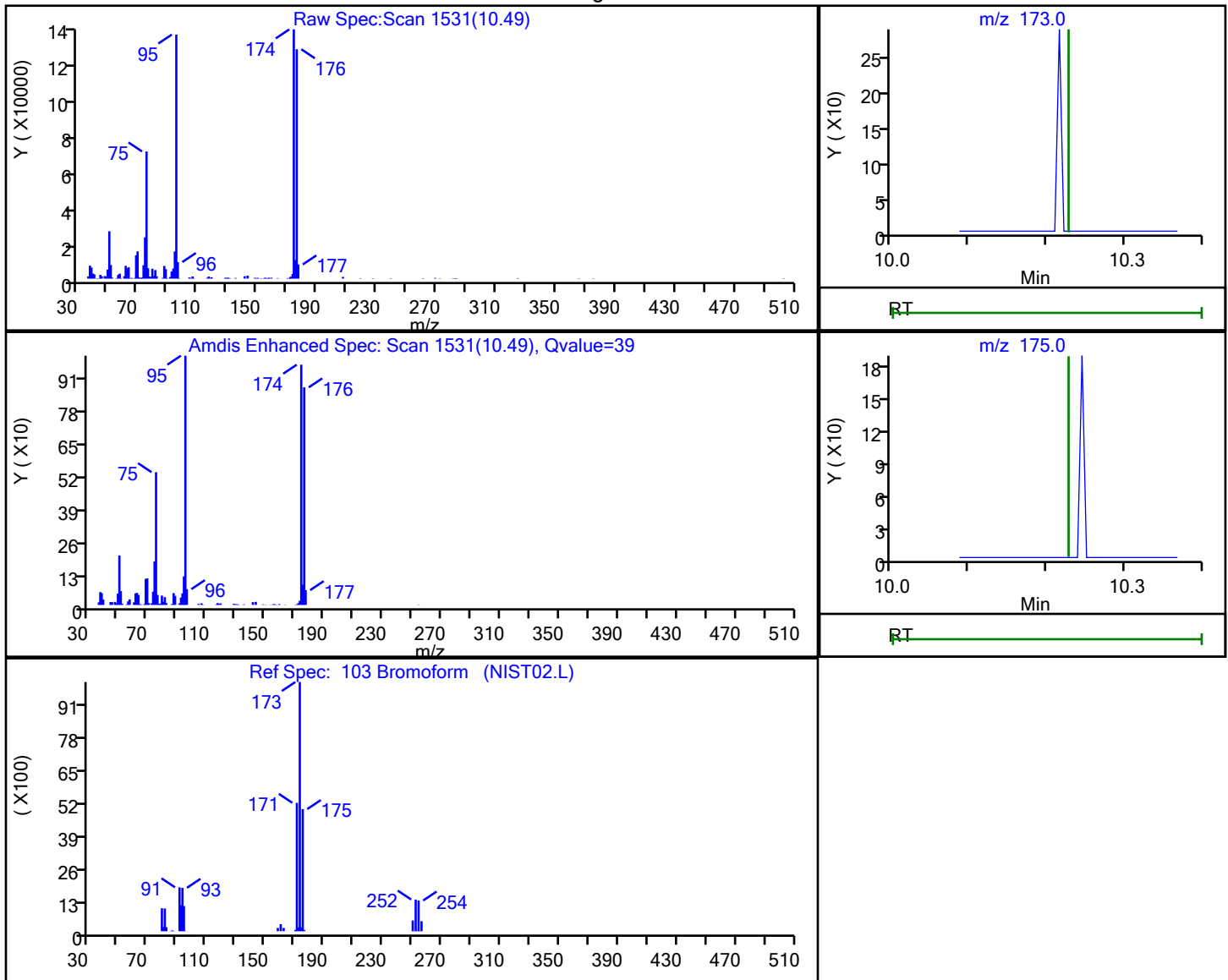
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.49	173.00	2922	1.756684
10.48	175.00	13835	

Reviewer: NN6A, 15-Mar-2024 13:06:57 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-08B_20240311</u>	Lab Sample ID: <u>460-299781-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10720.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 09:00</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>03/15/2024 13:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	4.7		1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-08B_20240311 Lab Sample ID: 460-299781-3
Matrix: Water Lab File ID: A10720.D
Analysis Method: 624.1 Date Collected: 03/11/2024 09:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 13:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		49-149
460-00-4	Bromofluorobenzene	100		66-132
1868-53-7	Dibromofluoromethane (Surr)	104		55-150
2037-26-5	Toluene-d8 (Surr)	99		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-08B_20240311</u>	Lab Sample ID: <u>460-299781-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10720.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 09:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 13:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D
 Lims ID: 460-299781-B-3
 Client ID: MW-08B_20240311
 Sample Type: Client
 Inject. Date: 15-Mar-2024 13:10:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-B-3
 Misc. Info.: 460-0173435-011
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 13:32:35 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 13:32:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	91865	1000.0	
33 Methyl tert-butyl ether	73	3.369	3.375	-0.006	97	29712	4.68	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	132621	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	97	133410	51.8	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	141234	51.4	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	449294	50.0	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	11324	1000.0	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	100	483081	49.7	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	87	366875	50.0	
\$ 105 4-Bromofluorobenzene	174	10.480	10.481	-0.001	91	157622	50.0	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	95	197459	50.0	

QC Flag Legend

Processing Flags

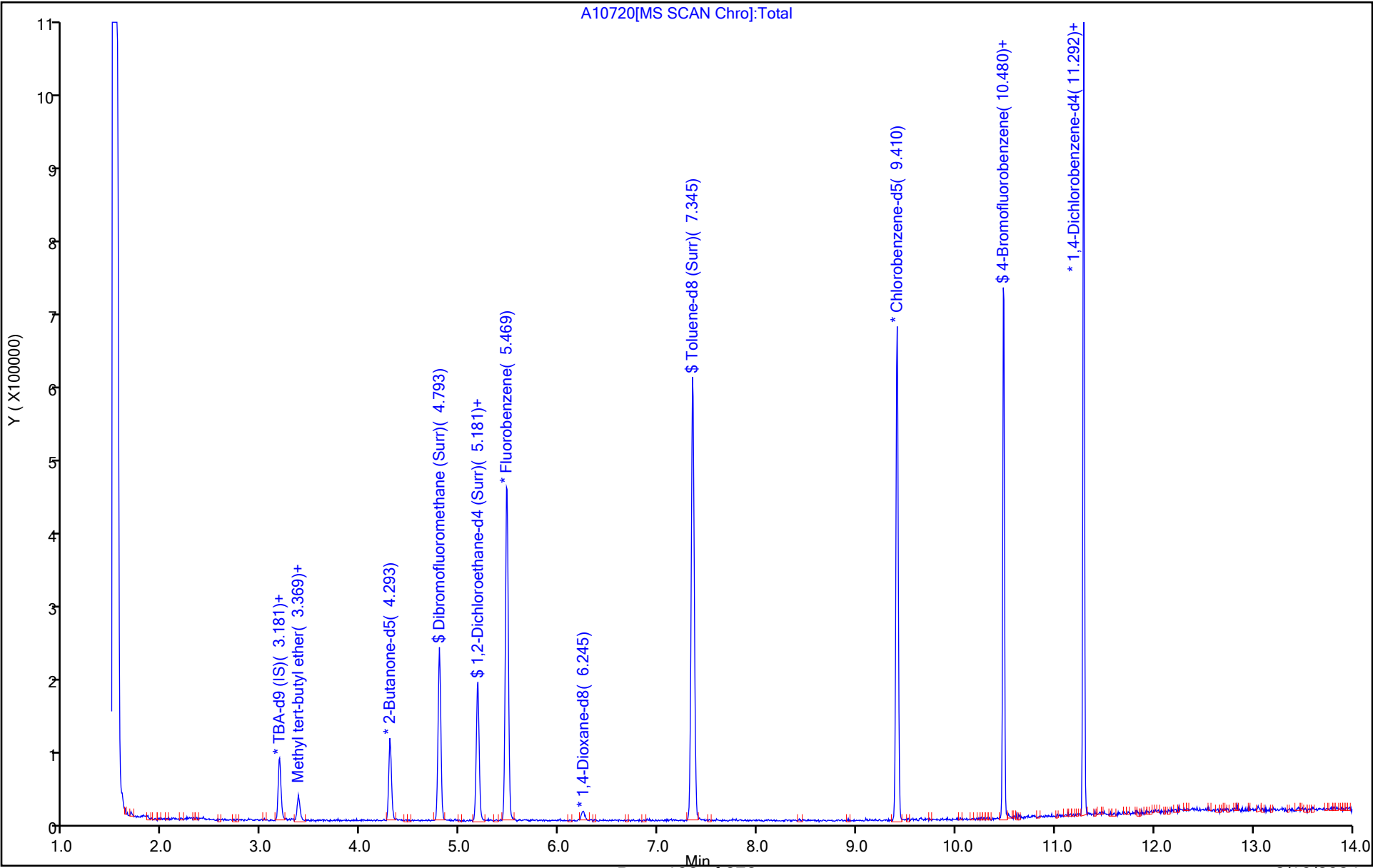
Reagents:

8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D
Injection Date: 15-Mar-2024 13:10:30 Instrument ID: CVOAMS1
Lims ID: 460-299781-B-3 Lab Sample ID: 460-299781-3
Client ID: MW-08B_20240311
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA 624.1 ICAL
Column: Rtx-624 (0.25 mm)

Operator ID:
Worklist Smp#: 11
ALS Bottle#: 9



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D
Lims ID: 460-299781-B-3
Client ID: MW-08B_20240311
Sample Type: Client
Inject. Date: 15-Mar-2024 13:10:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-B-3
Misc. Info.: 460-0173435-011
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 13:32:35 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 13:32:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	51.8	103.51
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.4	102.76
\$ 83 Toluene-d8 (Surr)	50.0	49.7	99.43
\$ 105 4-Bromofluorobenzene	50.0	50.0	100.01

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D

Injection Date: 15-Mar-2024 13:10:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-3

Lab Sample ID: 460-299781-3

Client ID: MW-08B_20240311

Operator ID:

ALS Bottle#:

9

Worklist Smp#:

11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

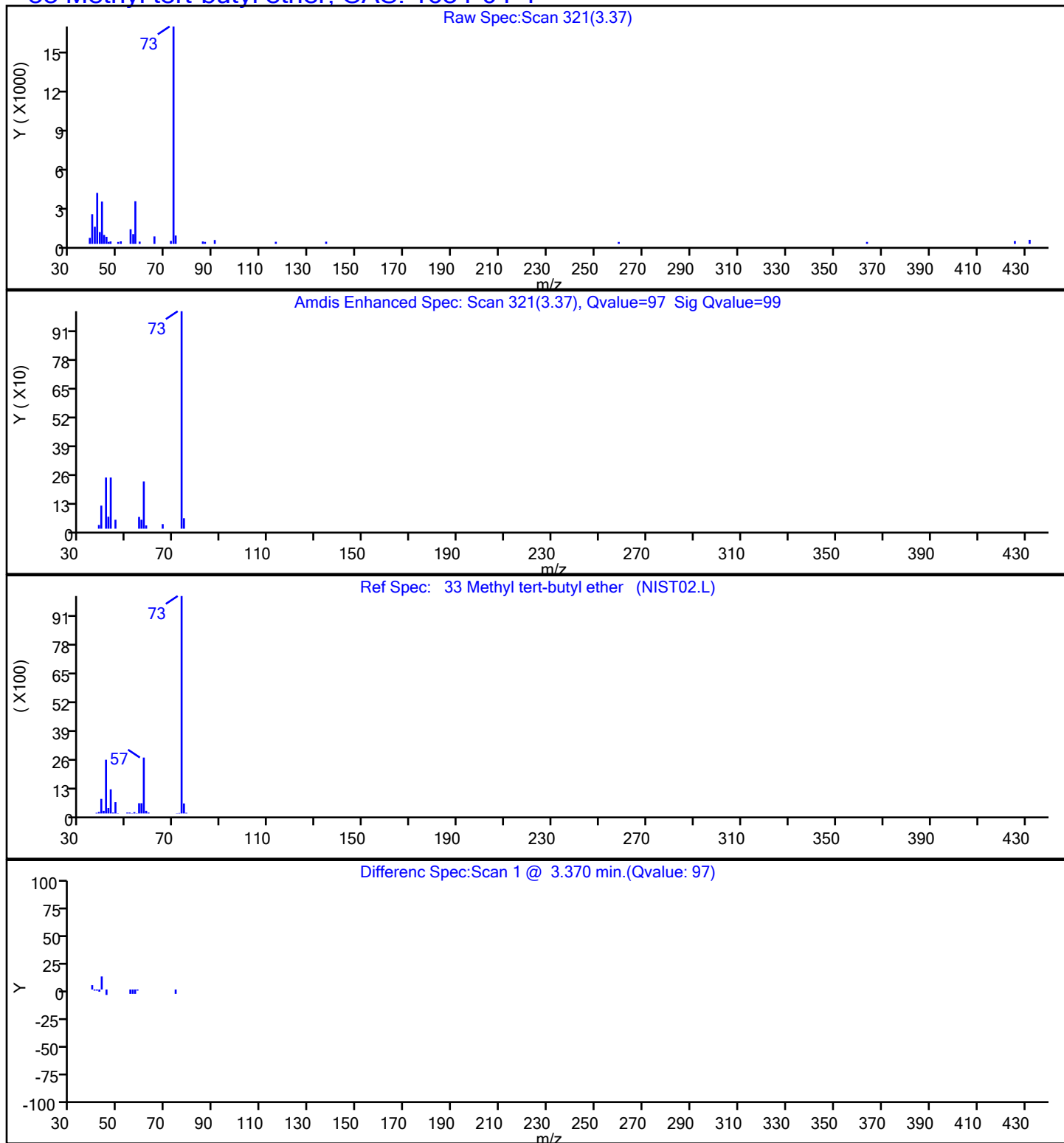
Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

33 Methyl tert-butyl ether, CAS: 1634-04-4

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D

Injection Date: 15-Mar-2024 13:10:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-3

Lab Sample ID: 460-299781-3

Client ID: MW-08B_20240311

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

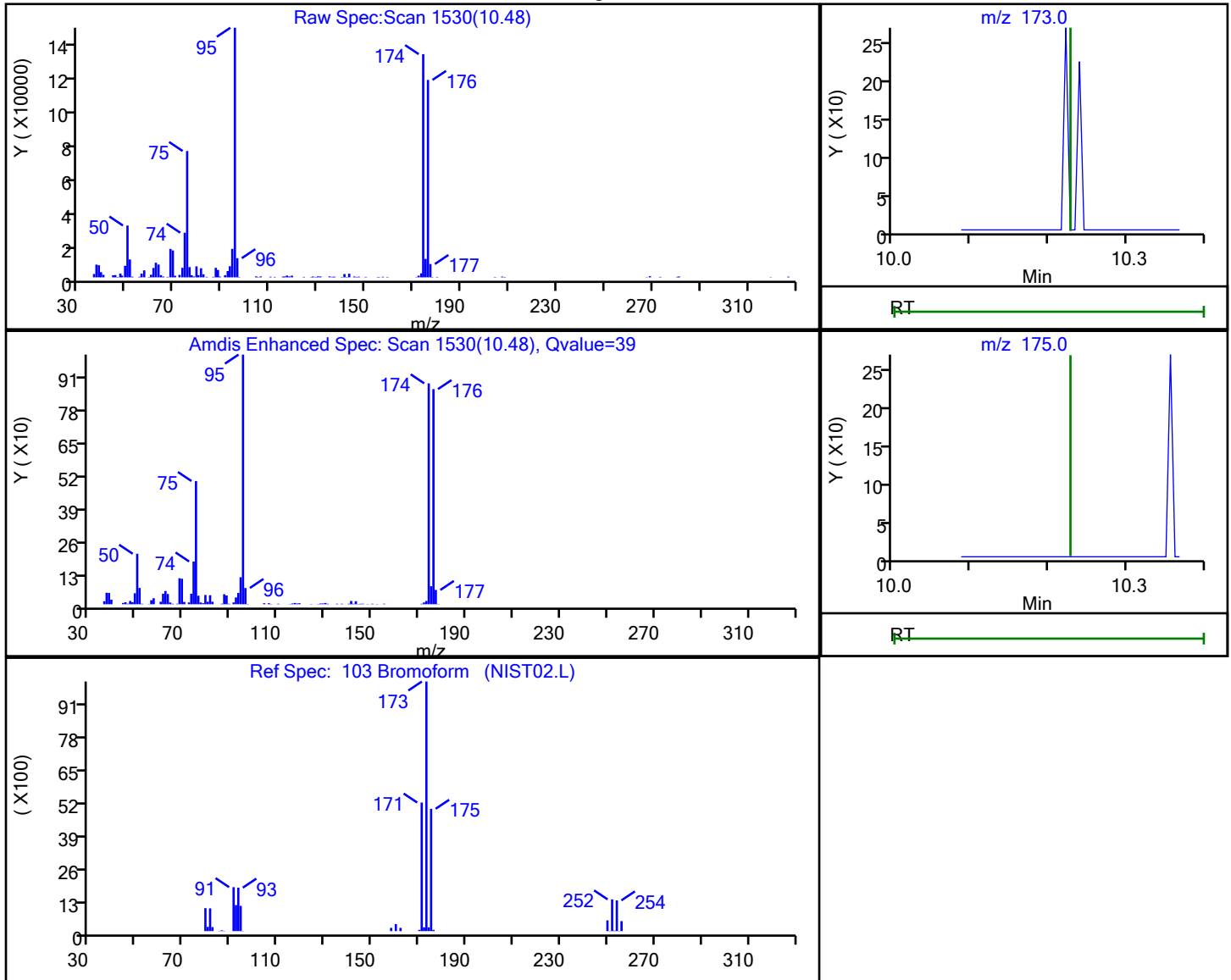
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.48	173.00	2398	1.474436
10.48	175.00	12056	

Reviewer: NN6A, 15-Mar-2024 13:32:27 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10720.D

Injection Date: 15-Mar-2024 13:10:30

Instrument ID: CVOAMS1

Lims ID: 460-299781-B-3

Lab Sample ID: 460-299781-3

Client ID: MW-08B_20240311

Operator ID:

ALS Bottle#:

9

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

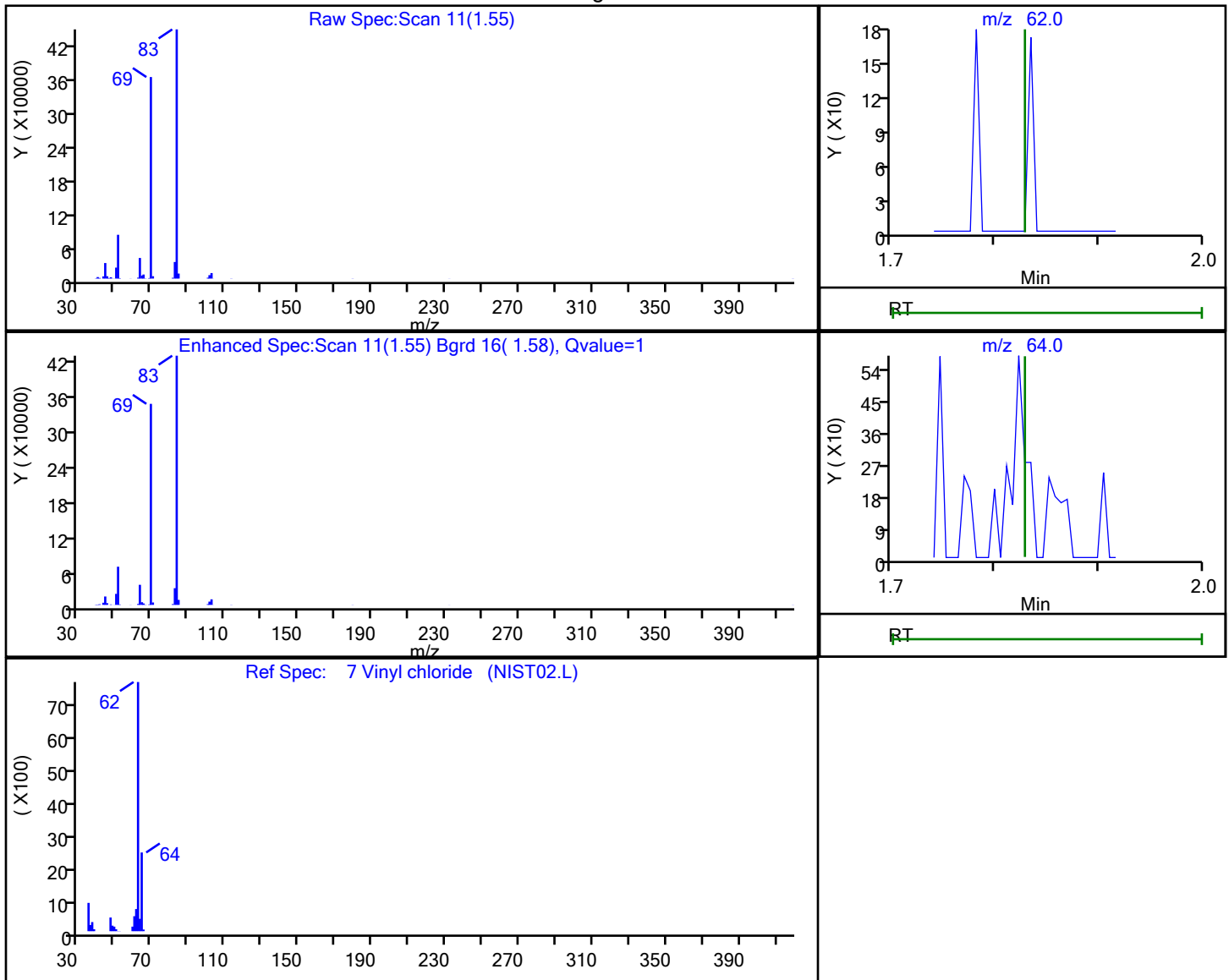
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.55	62.00	1999	0.436539
1.54	64.00	14213	

Reviewer: NN6A, 15-Mar-2024 13:32:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-DUP_20240311</u>	Lab Sample ID: <u>460-299781-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51781.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 00:46</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	0.72	J	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-DUP_20240311 Lab Sample ID: 460-299781-4
Matrix: Water Lab File ID: V51781.D
Analysis Method: 624.1 Date Collected: 03/11/2024 13:10
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 00:46
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		49-149
460-00-4	Bromofluorobenzene	84		66-132
1868-53-7	Dibromofluoromethane (Surr)	89		55-150
2037-26-5	Toluene-d8 (Surr)	95		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-DUP_20240311</u>	Lab Sample ID: <u>460-299781-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51781.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 00:46</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51781.D
 Lims ID: 460-299781-A-4
 Client ID: MW-DUP_20240311
 Sample Type: Client
 Inject. Date: 15-Mar-2024 00:46:30 ALS Bottle#: 66 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-A-4
 Misc. Info.: 460-0173397-017
 Operator ID: Instrument ID: CVOAMS7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 09:40:35 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 09:40:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	29342	1000.0	
32 Methyl tert-butyl ether	73	2.637	2.626	0.011	97	20951	0.7209	
* 42 2-Butanone-d5	46	3.403	3.391	0.012	100	363902	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.826	0.011	95	250024	44.5	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	297940	42.5	
* 67 Fluorobenzene	96	4.420	4.409	0.011	98	1054958	50.0	
* 68 1,4-Dioxane-d8	96	5.140	5.117	0.023	92	29864	1000.0	M
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	1207033	47.5	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	88	754838	50.0	
\$ 105 4-Bromofluorobenzene	174	9.346	9.335	0.011	0	275545	42.2	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	95	318052	50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51781.D

Injection Date: 15-Mar-2024 00:46:30

Instrument ID: CVOAMS7

Lims ID: 460-299781-A-4

Lab Sample ID: 460-299781-4

Client ID: MW-DUP_20240311

Operator ID:

ALS Bottle#:

66

Worklist Smp#:

17

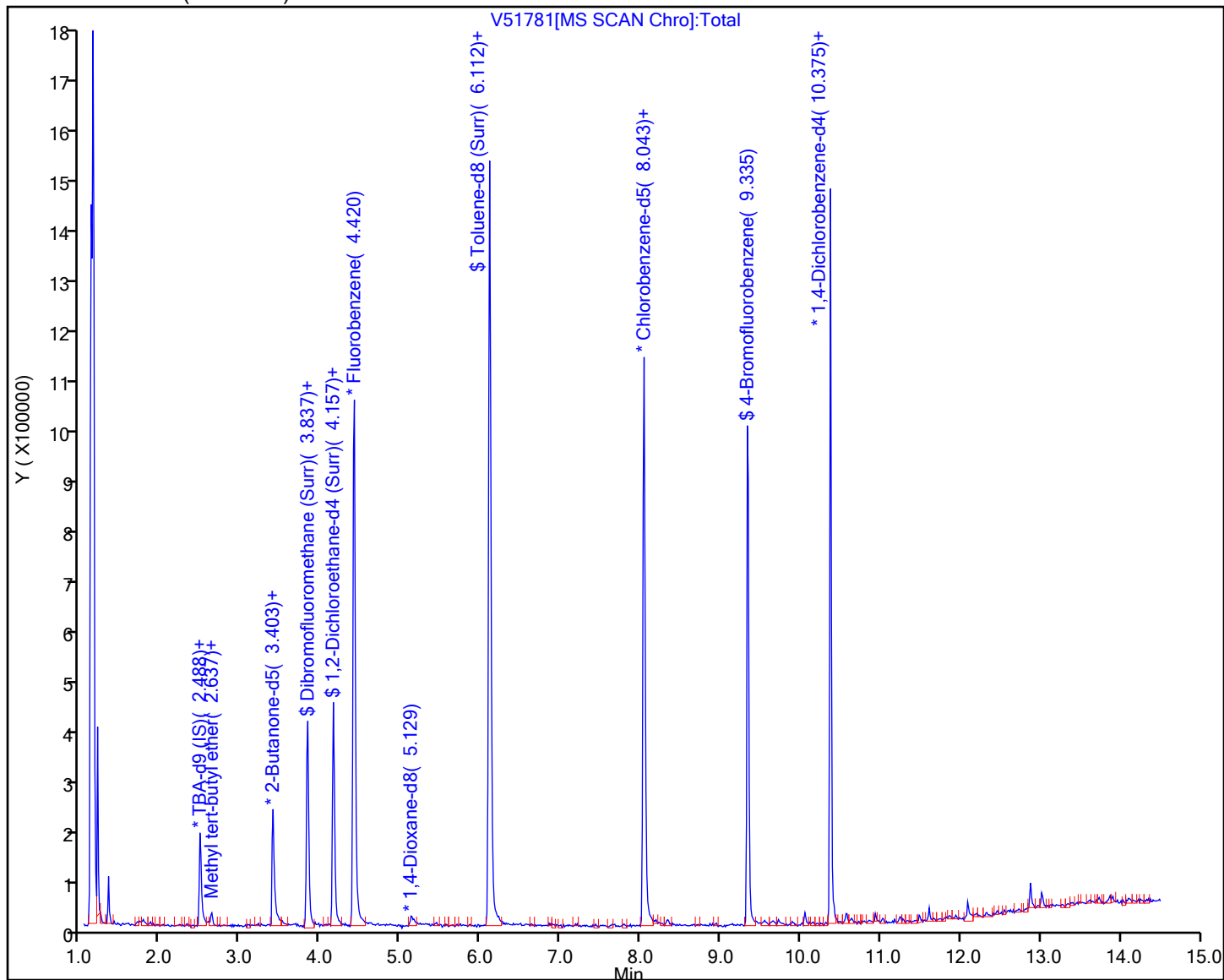
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51781.D
Lims ID: 460-299781-A-4
Client ID: MW-DUP_20240311
Sample Type: Client
Inject. Date: 15-Mar-2024 00:46:30 ALS Bottle#: 66 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-A-4
Misc. Info.: 460-0173397-017
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 09:40:35 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 09:40:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	44.5	88.94
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	42.5	84.95
\$ 82 Toluene-d8 (Surr)	50.0	47.5	95.10
\$ 105 4-Bromofluorobenzene	50.0	42.2	84.49

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51781.D

Injection Date: 15-Mar-2024 00:46:30

Instrument ID: CVOAMS7

Lims ID: 460-299781-A-4

Lab Sample ID: 460-299781-4

Client ID: MW-DUP_20240311

Operator ID:

ALS Bottle#:

66

Worklist Smp#:

17

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

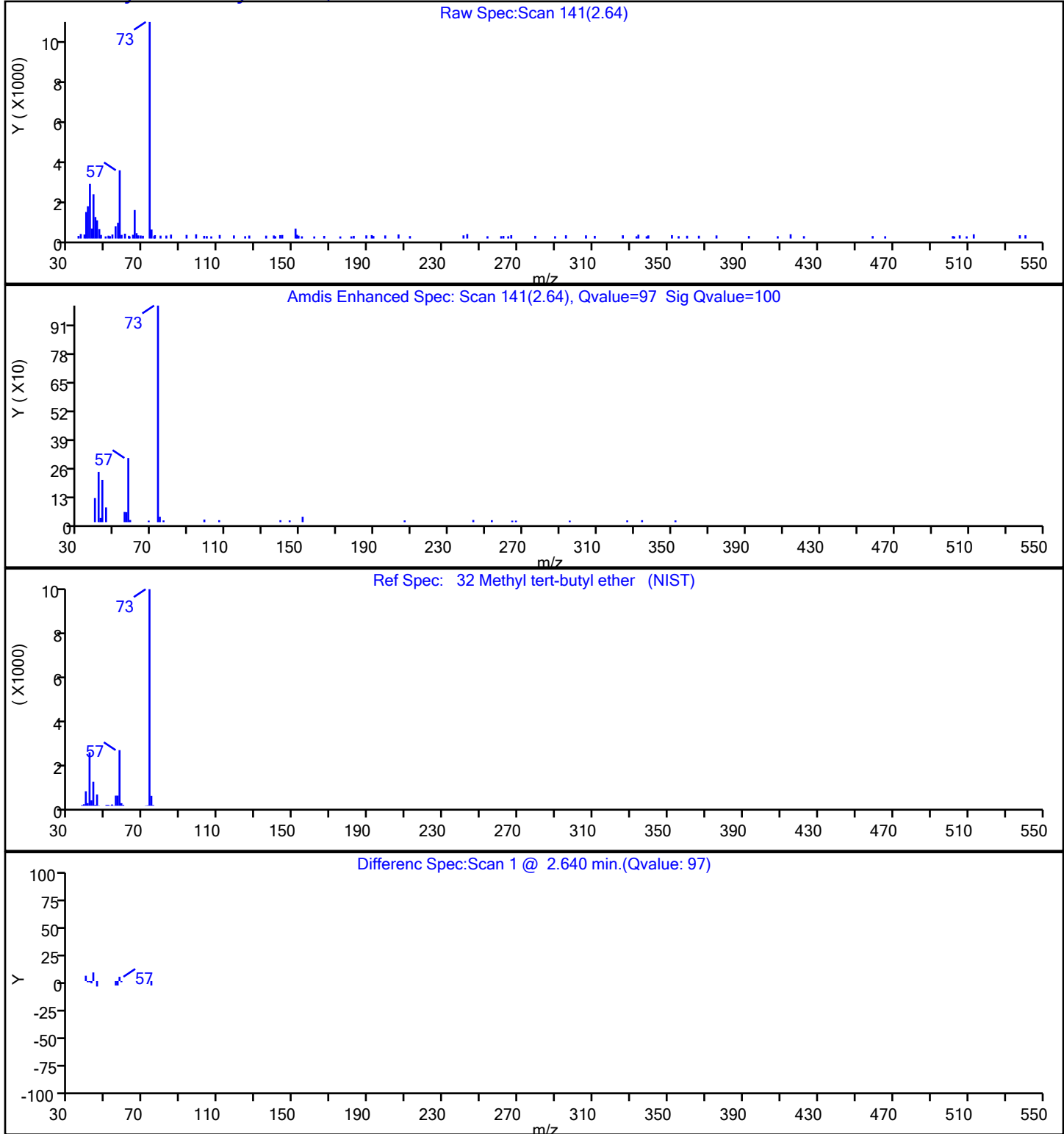
Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS Quad

32 Methyl tert-butyl ether, CAS: 1634-04-4

Eurofins Edison

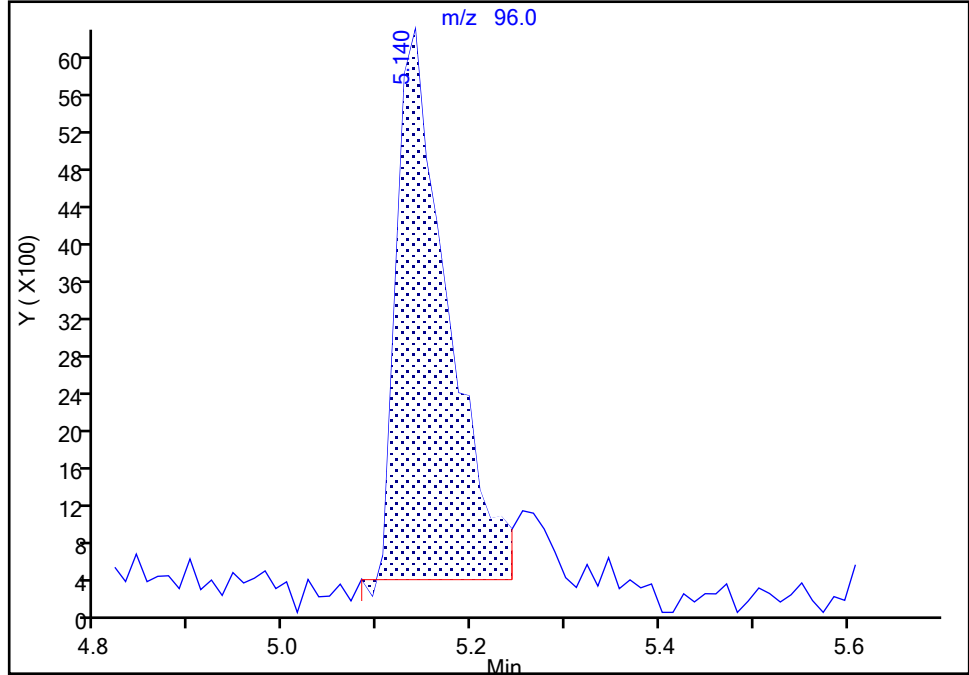
Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51781.D
Injection Date: 15-Mar-2024 00:46:30 Instrument ID: CVOAMS7
Lims ID: 460-299781-A-4 Lab Sample ID: 460-299781-4
Client ID: MW-DUP_20240311
Operator ID: ALS Bottle#: 66 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_7 Limit Group: VOA 624.1 ICAL
Column: Rtx-624 (0.25 mm) Detector: MS Quad

* 68 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

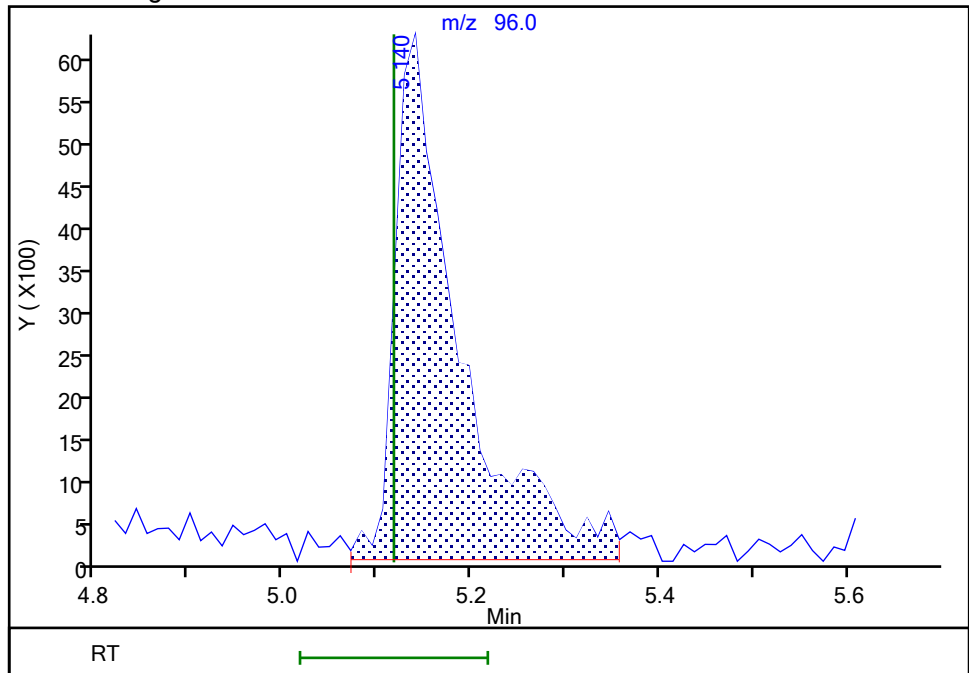
RT: 5.14
Area: 22100
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 5.14
Area: 29864
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 09:40:19 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>FB_20240311</u>	Lab Sample ID: <u>460-299781-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51774.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 22:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	1.0	U	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: FB_20240311 Lab Sample ID: 460-299781-5
Matrix: Water Lab File ID: V51774.D
Analysis Method: 624.1 Date Collected: 03/11/2024 12:30
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 22:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		49-149
460-00-4	Bromofluorobenzene	95		66-132
1868-53-7	Dibromofluoromethane (Surr)	101		55-150
2037-26-5	Toluene-d8 (Surr)	96		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>FB_20240311</u>	Lab Sample ID: <u>460-299781-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51774.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 22:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51774.D
 Lims ID: 460-299781-A-5
 Client ID: FB_20240311
 Sample Type: Client
 Inject. Date: 14-Mar-2024 22:18:30 ALS Bottle#: 59 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-A-5
 Misc. Info.: 460-0173397-010
 Operator ID: Instrument ID: CVOAMS7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:31:00 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 22:50:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	30347	1000.0	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	100	370579	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	95	270045	50.3	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	319506	47.7	
* 67 Fluorobenzene	96	4.409	4.409	0.000	98	1006923	50.0	
* 68 1,4-Dioxane-d8	96	5.129	5.117	0.012	93	22668	1000.0	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	1163263	48.2	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	87	717325	50.0	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	293005	47.3	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	307074	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51774.D

Injection Date: 14-Mar-2024 22:18:30

Instrument ID: CVOAMS7

Lims ID: 460-299781-A-5

Lab Sample ID: 460-299781-5

Client ID: FB_20240311

Operator ID:

ALS Bottle#:

59

Worklist Smp#:

10

Purge Vol: 5.000 mL

Dil. Factor:

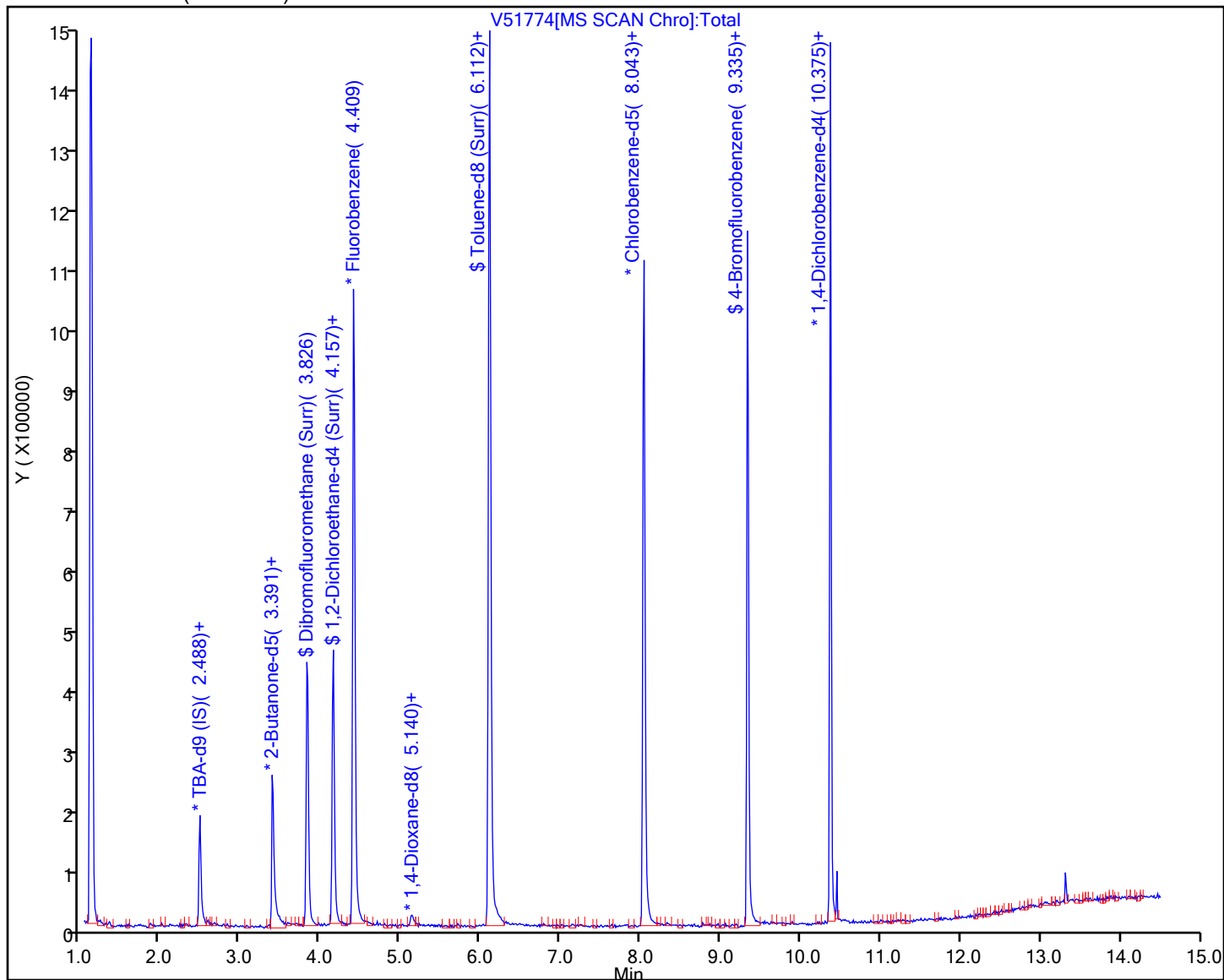
1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51774.D
Lims ID: 460-299781-A-5
Client ID: FB_20240311
Sample Type: Client
Inject. Date: 14-Mar-2024 22:18:30 ALS Bottle#: 59 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-A-5
Misc. Info.: 460-0173397-010
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:31:00 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 22:50:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	50.3	100.65
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	47.7	95.45
\$ 82 Toluene-d8 (Surr)	50.0	48.2	96.44
\$ 105 4-Bromofluorobenzene	50.0	47.3	94.54

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51774.D

Injection Date: 14-Mar-2024 22:18:30

Instrument ID: CVOAMS7

Lims ID: 460-299781-A-5

Lab Sample ID: 460-299781-5

Client ID: FB_20240311

Operator ID:

ALS Bottle#:

59

Worklist Smp#: 10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

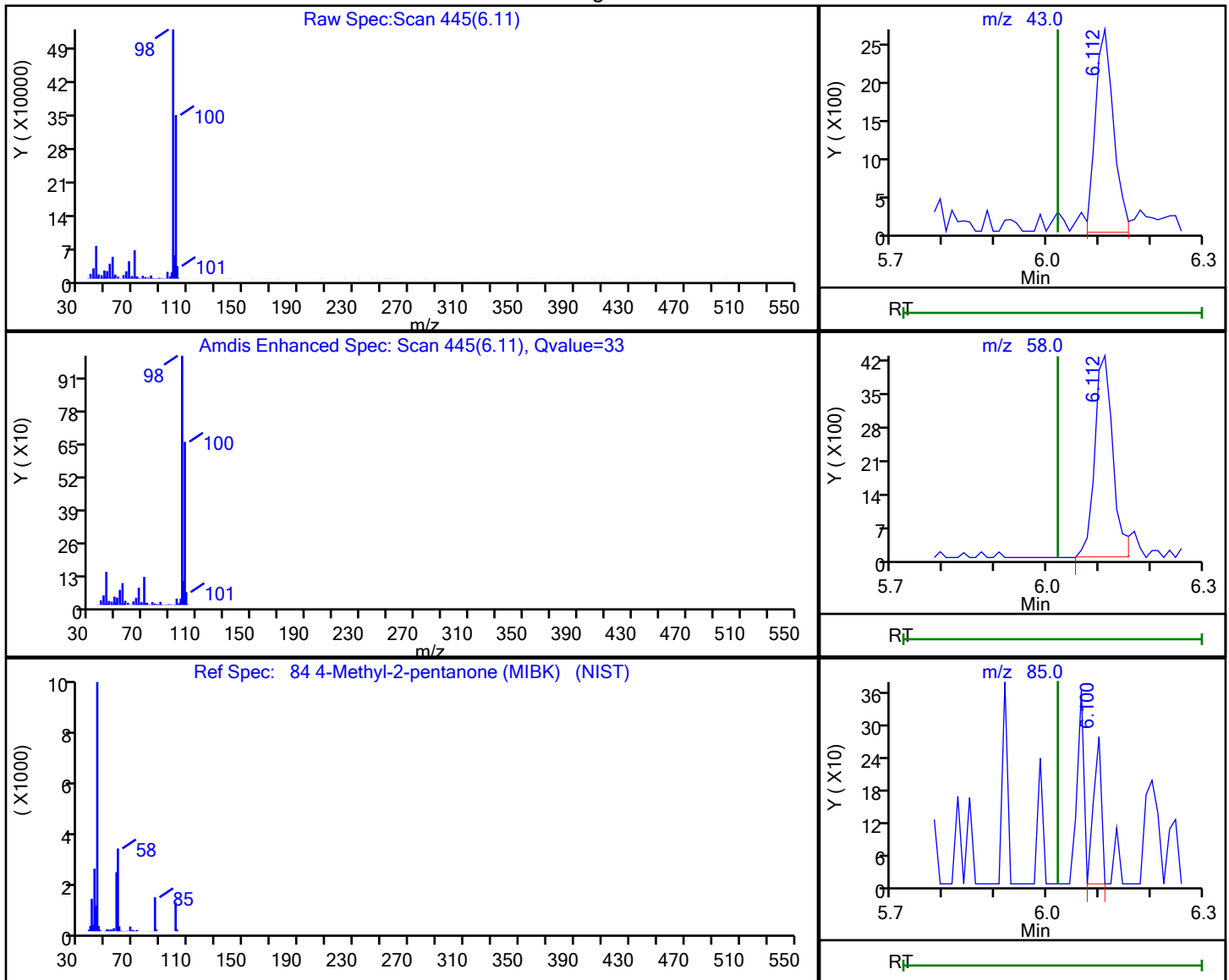
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

84 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.11	43.00	6361	0.921368
6.11	58.00	10433	
6.10	85.00	291	
6.11	100.00	757904	

Reviewer: C1JX, 14-Mar-2024 22:49:57 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>TB_20240311</u>	Lab Sample ID: <u>460-299781-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51775.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 22:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	1.0	U	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: TB_20240311 Lab Sample ID: 460-299781-6
Matrix: Water Lab File ID: V51775.D
Analysis Method: 624.1 Date Collected: 03/11/2024 12:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 22:40
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		49-149
460-00-4	Bromofluorobenzene	92		66-132
1868-53-7	Dibromofluoromethane (Surr)	99		55-150
2037-26-5	Toluene-d8 (Surr)	96		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>TB_20240311</u>	Lab Sample ID: <u>460-299781-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51775.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 12:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 22:40</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51775.D
Lims ID: 460-299781-A-6
Client ID: TB_20240311
Sample Type: Client
Inject. Date: 14-Mar-2024 22:40:30 ALS Bottle#: 60 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-A-6
Misc. Info.: 460-0173397-011
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 09:42:22 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 09:42:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	98	34463	1000.0	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	100	393571	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	96	269883	49.4	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	323074	47.4	
* 67 Fluorobenzene	96	4.409	4.409	-0.001	98	1025888	50.0	
* 68 1,4-Dioxane-d8	96	5.140	5.117	0.023	94	22057	1000.0	M
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	1155652	48.1	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	88	714575	50.0	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	284808	46.1	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	320817	50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51775.D

Injection Date: 14-Mar-2024 22:40:30

Instrument ID: CVOAMS7

Lims ID: 460-299781-A-6

Lab Sample ID: 460-299781-6

Client ID: TB_20240311

Operator ID:

ALS Bottle#: 60

Worklist Smp#: 11

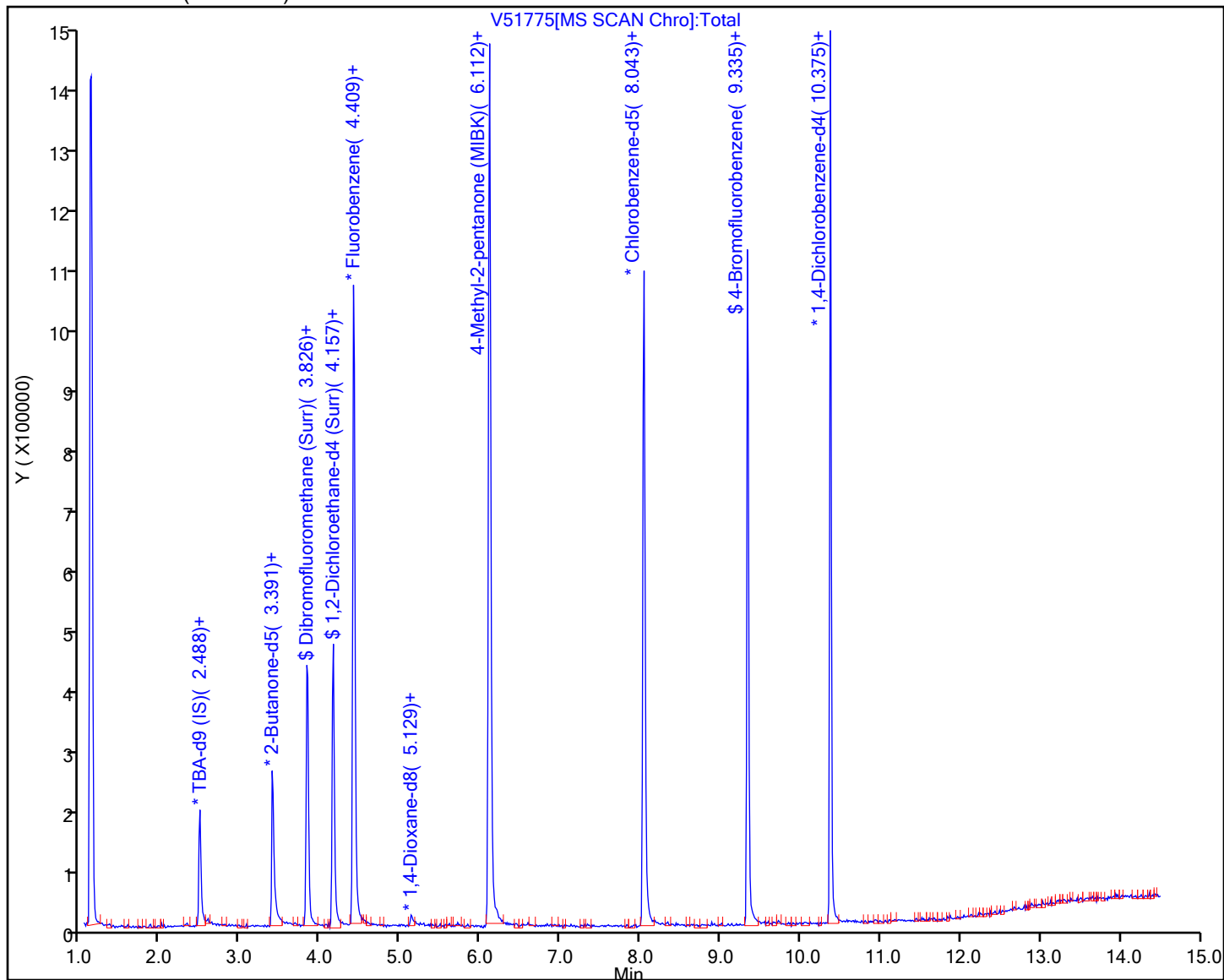
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51775.D
Lims ID: 460-299781-A-6
Client ID: TB_20240311
Sample Type: Client
Inject. Date: 14-Mar-2024 22:40:30 ALS Bottle#: 60 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-A-6
Misc. Info.: 460-0173397-011
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 09:42:22 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 09:42:22

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	49.4	98.73
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	47.4	94.73
\$ 82 Toluene-d8 (Surr)	50.0	48.1	96.18
\$ 105 4-Bromofluorobenzene	50.0	46.1	92.25

Eurofins Edison

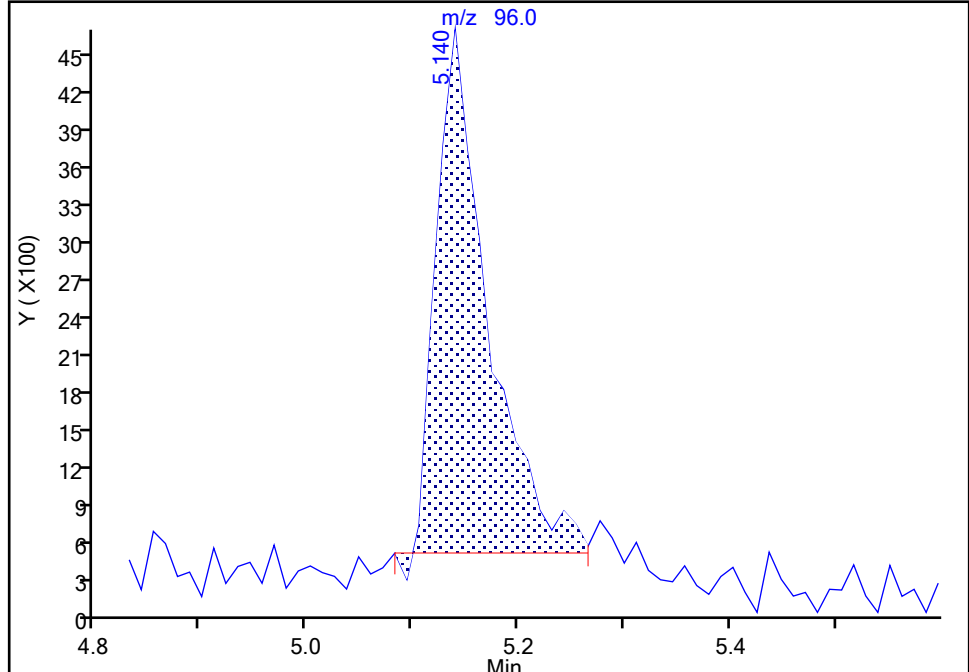
Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51775.D
Injection Date: 14-Mar-2024 22:40:30 Instrument ID: CVOAMS7
Lims ID: 460-299781-A-6 Lab Sample ID: 460-299781-6
Client ID: TB_20240311
Operator ID: ALS Bottle#: 60 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_7 Limit Group: VOA 624.1 ICAL
Column: Rtx-624 (0.25 mm) Detector: MS Quad

* 68 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

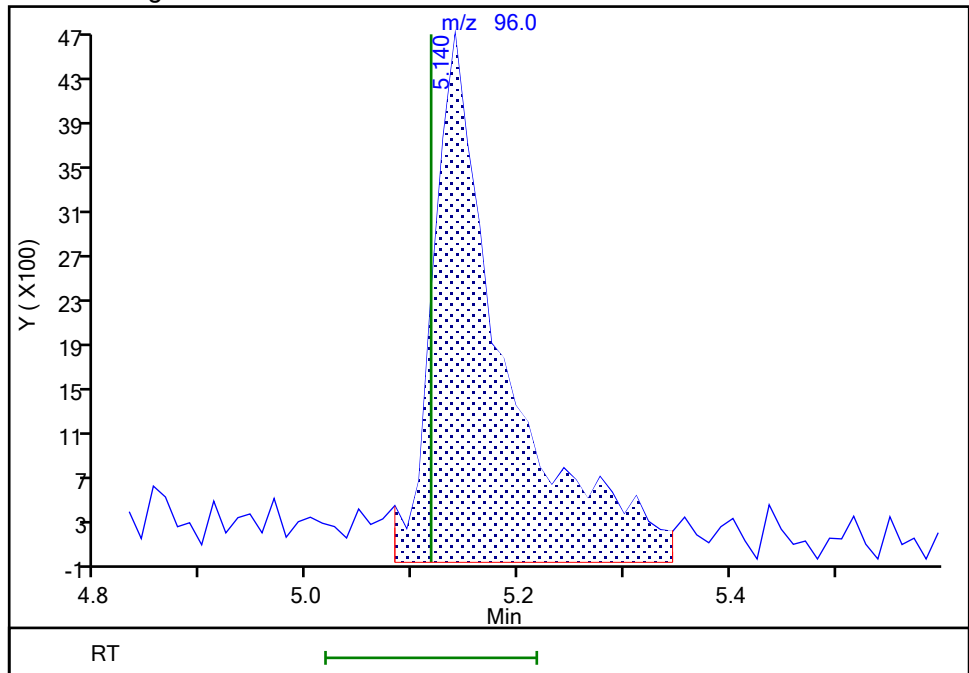
RT: 5.14
Area: 14077
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 5.14
Area: 22057
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 09:42:01 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555
SDG No.: _____
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-959555/3	A09700.D
Level 2	STD1 460-959555/4	A09701.D
Level 3	STD5 460-959555/5	A09702.D
Level 4	STD20 460-959555/6	A09703.D
Level 5	STD50 460-959555/7	A09704.D
Level 6	STD200 460-959555/8	A09705.D
Level 7	STD500 460-959555/9	A09706.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	++++ 0.5902	0.6540 0.6125	0.5392	0.5816	0.6647	Ave		0.607 0				7.8		35.0			
Chloromethane	++++ 0.5510	0.6165 0.5897	0.4811	0.5293	0.6094	Ave		0.562 9				9.3		35.0			
Vinyl chloride	++++ 0.4831	0.5633 0.5197	0.4578	0.4892	0.5444	Ave		0.509 6				7.8		35.0			
Butadiene	0.5904 0.4808	0.5185 0.5253	0.4382	0.4693	0.5336	Ave		0.508 0				9.8		35.0			
Bromomethane	++++ 0.3098	0.2925 0.3423	0.2544	0.2985	0.3399	Ave		0.306 2				10.7		35.0			
Ethyl Chloride	++++ 0.2620	0.2422 0.2818	0.2430	0.2666	0.3020	Ave		0.266 3				8.7		35.0			
Trichlorofluoromethane	++++ 0.5728	0.5366 0.6287	0.5465	0.5925	0.6613	Ave		0.589 7				8.2		35.0			
Pentane	++++ 4.1663	5.9630 4.2143	5.7262	5.0674	5.3233	Ave		5.076 7				14.8		35.0			
Ethanol	++++ 0.0611	0.0827 0.0834	0.0528	0.0644	0.0657	Ave		0.068 4				17.9		35.0			
Ethyl ether	++++ 0.2159	0.2319 0.2210	0.2052	0.2252	0.2566	Ave		0.225 9				7.7		35.0			
2-Methyl-1,3-butadiene	++++ 0.2946	0.2868 0.3004	0.2917	0.3165	0.3420	Ave		0.305 3				6.8		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.2956	0.2924 0.2960	0.3146	0.3345	0.3477	Ave		0.313 5				7.4		35.0			
Acrolein	++++ 2.5017	1.4491 2.7139	2.1925	2.1398	2.3747	Ave		2.228 6				19.5		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethene	++++ 0.2777	0.3365 0.2866	0.2691	0.3022	0.3387	Ave		0.301 8				9.9		35.0			
Acetone	++++ 0.2551	0.3000 0.2451	0.2321	0.2678	0.2731	Ave		0.262 2				9.1		35.0			
Isopropyl alcohol	++++ 0.8056	0.5066 0.8249	0.7889	0.7640	0.8914	Ave		0.763 6				17.4		35.0			
Iodomethane	++++ 0.4490	0.3754 0.4760	0.3252	0.4023	0.4595	Ave		0.414 6				13.9		35.0			
Carbon disulfide	++++ 0.9823	1.0873 1.0143	0.9881	1.0775	1.1759	Ave		1.054 3				7.0		35.0			
3-Chloro-1-propene	++++ 0.1911	0.2143 0.2012	0.1752	0.1987	0.2252	Ave		0.201 0				8.7		35.0			
Methyl acetate	++++ 10.685	19.502 10.521	12.313	12.244	13.177	Ave		13.07 4				25.3		35.0			
Acetonitrile	++++ 2.0625	2.6172 2.2176	2.4533	2.2892	2.5521	Ave		2.365 3				9.0		35.0			
Methylene Chloride	++++ 0.3246	0.3107 0.3270	0.3333	0.3558	0.3937	Ave		0.340 9				8.7		35.0			
TBA	++++ 1.2315	1.6965 1.2215	1.1696	1.2399	1.4799	Ave		1.339 8				15.3		35.0			
MTBE	++++ 0.7063	0.6391 0.7106	0.6520	0.7156	0.8144	Ave		0.706 3				8.8		35.0			
trans-1,2-Dichloroethene	++++ 0.3135	0.3674 0.3192	0.3056	0.3374	0.3788	Ave		0.337 0				8.9		35.0			
Acrylonitrile	0.0571 0.0664	0.0650 0.0713	0.0636	0.0683	0.0762	Ave		0.066 8				9.0		35.0			
Hexane	++++ 0.2445	0.2554 0.2483	0.2401	0.2801	0.3041	Ave		0.262 1				9.5		35.0			
Isopropyl ether	++++ 1.0271	0.9086 1.0443	0.9129	1.0188	1.1615	Ave		1.012 2				9.3		35.0			
Vinyl acetate	++++ 3.9897	++++ 4.0958	4.1201	4.0334	5.0595	Ave		4.259 7				10.6		35.0			
1,1-Dichloroethane	++++ 0.5682	0.6780 0.5739	0.5832	0.6273	0.6870	Ave		0.619 6				8.6		35.0			
2,2-Dichloropropane	++++ 0.1110	0.0989 0.1127	0.1149	0.1185	0.1274	Ave		0.113 9				8.2		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555
SDG No.: _____
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	++++ 0.3485	0.3951 0.3570	0.3695	0.3636	0.4305	Ave		0.377 4				8.1		35.0			
Ethyl acetate	++++ 0.3338	0.1014 0.3609	0.3377	0.3691	0.4254	Lin2	-0.55 0	0.379 9				9.4					
2-Butanone	++++ 0.3172	0.4220 0.3226	0.3630	0.3328	0.4126	Ave		0.361 7				12.7		35.0			
Chlorobromomethane	++++ 0.1563	0.1673 0.1588	0.1520	0.1822	0.1845	Ave		0.166 9				8.2		35.0			
Tetrahydrofuran	++++ 1.0955	1.6387 1.1429	1.2554	1.2554	1.4232	Ave		1.301 8				15.4		35.0			
Chloroform	++++ 0.5565	0.6287 0.5570	0.5677	0.6348	0.6729	Ave		0.602 9				8.2		35.0			
Cyclohexane	++++ 0.5005	0.5566 0.5155	0.5219	0.5465	0.6207	Ave		0.543 6				7.9		35.0			
1,1,1-Trichloroethane	++++ 0.4922	0.5313 0.4965	0.5322	0.5300	0.5982	Ave		0.530 1				7.2		35.0			
Carbon tetrachloride	++++ 0.4395	0.5057 0.4461	0.4201	0.4859	0.5307	Ave		0.471 3				9.1		35.0			
1,1-Dichloropropene	++++ 0.4354	0.4522 0.4457	0.4551	0.4811	0.5379	Ave		0.467 9				8.0		35.0			
Benzene	++++ 1.4552	1.5829 1.4719	1.4830	1.6793	1.8018	Ave		1.579 0				8.8		35.0			
Isopropyl acetate	++++ 0.0891	++++ 0.0876	0.1352	0.1016	0.0985	Ave		0.102 4				18.9		35.0			
1,2-Dichloroethane	++++ 0.3712	0.4338 0.3630	0.4050	0.4219	0.4549	Ave		0.408 3				8.8		35.0			
n-Heptane	++++ 0.1818	0.0926 0.1781	0.1779	0.1970	0.2264	Ave		0.175 6				25.4		35.0			
n-Butanol	++++ 0.3692	0.2237 0.3774	0.2819	0.2932	0.3865	Ave		0.322 0				20.4		35.0			
Trichloroethene	++++ 0.3352	0.4611 0.3434	0.3223	0.3683	0.3927	Ave		0.370 5				13.8		35.0			
Ethyl acrylate	++++ 0.0374	0.0419 0.0393	0.0272	0.0419	0.0444	Ave		0.038 7				15.8		35.0			
Methylcyclohexane	++++ 0.4710	0.4898 0.4842	0.4562	0.5185	0.5697	Ave		0.498 2				8.2		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	++++ 0.3169	0.3406 0.3295	0.3006	0.3396	0.3721	Ave		0.333 2				7.3		35.0			
Methyl methacrylate	++++ 0.1536	0.1565 0.1535	0.1246	0.1471	0.1674	Ave		0.150 5				9.5		35.0			
1,4-Dioxane	++++ 1.3084	1.0231 1.3085	1.4588	1.2106	1.3703	Ave		1.280 0				11.7		35.0			
n-Propyl acetate	++++ 0.3024	0.2341 0.3005	0.2447	0.3021	0.3307	Ave		0.285 8				13.2		35.0			
Dibromomethane	++++ 0.1687	0.1974 0.1684	0.1694	0.1848	0.2007	Ave		0.181 5				8.2		35.0			
Bromodichloromethane	++++ 0.4456	0.4746 0.4449	0.4420	0.4528	0.5088	Ave		0.461 5				5.6		35.0			
2-Chloroethyl vinyl ether	++++ 0.0396	++++ 0.0610	0.0113	0.0194	0.0287	Ave		0.032 0				60.3	*	35.0			
Epichlorohydrin	0.2210 0.2568	0.2439 0.2796	0.2295	0.2502	0.2990	Ave		0.254 3				10.8		35.0			
cis-1,3-Dichloropropene	++++ 0.6218	0.5678 0.6431	0.5491	0.6613	0.7380	Ave		0.630 2				10.8		35.0			
4-Methyl-2-pentanone	++++ 2.6847	2.5749 2.8437	2.6158	2.7939	3.3892	Ave		2.817 0				10.6		35.0			
Toluene	++++ 1.6164	1.6647 1.6487	1.5857	1.6996	1.8880	Ave		1.683 8				6.4		35.0			
trans-1,3-Dichloropropene	++++ 0.5374	0.4670 0.5527	0.4801	0.5472	0.6200	Ave		0.534 1				10.4		35.0			
1,1,2-Trichloroethane	++++ 0.2482	0.2818 0.2509	0.2456	0.2606	0.2851	Ave		0.262 0				6.6		35.0			
Tetrachloroethene	++++ 0.4144	0.4637 0.4198	0.4326	0.4641	0.4941	Ave		0.448 1				6.9		35.0			
1,3-Dichloropropane	++++ 0.5047	0.5452 0.5020	0.4630	0.5207	0.5796	Ave		0.519 2				7.7		35.0			
2-Hexanone	++++ 0.9670	0.7530 1.0179	0.8707	0.9672	1.1942	Ave		0.961 7				15.4		35.0			
n-Butyl acetate	++++ 0.0644	0.0173 0.0653	0.0616	0.0646	0.0690	Lin2	-0.04 9	0.067 6				4.4					
Dibromochloromethane	++++ 0.3597	0.3927 0.3630	0.3303	0.3712	0.4098	Ave		0.371 1				7.4		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555
SDG No.: _____
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylene Dibromide	++++ 0.2844	0.2446 0.2864	0.2655	0.3040	0.3343	Ave		0.286 5				10.8		35.0			
Chlorobenzene	++++ 1.0336	1.1463 1.0757	0.9984	1.1102	1.2240	Ave		1.098 0				7.4		35.0			
Ethylbenzene	++++ 0.5671	0.6150 0.5801	0.5559	0.5872	0.6639	Ave		0.594 9				6.6		35.0			
1,1,1,2-Tetrachloroethane	++++ 0.3790	0.2949 0.3838	0.3334	0.3883	0.4267	Ave		0.367 7				12.6		35.0			
m-Xylene & p-Xylene	++++ 0.7011	0.6781 0.7002	0.7048	0.7700	0.8463	Ave		0.733 4				8.6		35.0			
n-Butyl acrylate	++++ 0.2253	0.1091 0.2292	0.1715	0.2075	0.2402	Ave		0.197 1				25.0		35.0			
o-Xylene	++++ 0.6957	0.6754 0.7029	0.6964	0.7301	0.8189	Ave		0.719 9				7.2		35.0			
Styrene	++++ 1.1573	1.0666 1.1529	1.0713	1.2367	1.3530	Ave		1.173 0				9.2		35.0			
Amyl acetate (mixed isomers)	++++ 0.8788	0.3048 0.9178	0.7001	0.8060	0.9431	Lin2	-0.59 4	0.884 9				6.5					
Bromoform	++++ 0.2206	0.2116 0.2251	0.1993	0.2150	0.2583	Ave		0.221 7				9.0		35.0			
Isopropylbenzene	++++ 1.7775	1.7073 1.7540	1.6708	1.8580	2.1173	Ave		1.814 1				8.9		35.0			
Bromobenzene	++++ 0.8049	0.8544 0.8649	0.7861	0.8360	0.9412	Ave		0.847 9				6.4		35.0			
1,1,2,2-Tetrachloroethane	++++ 0.5507	0.4310 0.5961	0.5417	0.5648	0.6570	Ave		0.556 9				13.4		35.0			
N-Propylbenzene	++++ 3.9123	3.9523 3.8653	3.8076	4.0800	4.6546	Ave		4.045 3				7.7		35.0			
1,2,3-Trichloropropane	++++ 0.1539	0.1760 0.1620	0.1514	0.1470	0.1914	Ave		0.163 6				10.4		35.0			
2-Chlorotoluene	++++ 2.6332	2.5955 2.6664	2.5495	2.7110	3.0852	Ave		2.706 8				7.2		35.0			
1,3,5-Trimethylbenzene	++++ 2.7164	2.4939 2.7418	2.4650	2.7370	3.1504	Ave		2.717 4				9.0		35.0			
4-Chlorotoluene	++++ 2.3329	2.3771 2.3845	2.3485	2.5142	2.7653	Ave		2.453 7				6.7		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	++++ 0.8630	0.3363 0.8856	0.6369	0.7357	0.8685	Lin2	-0.51 5	0.830 5				8.5					
tert-Butylbenzene	++++ 2.2696	2.3900 2.3374	2.1976	2.3456	2.6842	Ave		2.370 7				7.1		35.0			
1,2,4-Trimethylbenzene	++++ 2.8231	2.9513 2.8255	2.7007	2.9014	3.1966	Ave		2.899 8				5.8		35.0			
sec-Butylbenzene	++++ 0.6856	0.6766 0.7056	0.6348	0.6948	0.7796	Ave		0.696 1				6.8		35.0			
4-Isopropyltoluene	++++ 2.9407	2.6727 2.9194	2.5847	2.9091	3.3602	Ave		2.897 8				9.3		35.0			
1,3-Dichlorobenzene	++++ 1.6082	1.5052 1.6228	1.4165	1.6317	1.8347	Ave		1.603 2				8.8		35.0			
1,4-Dichlorobenzene	++++ 1.6239	1.6092 1.6216	1.5680	1.6686	1.8707	Ave		1.660 3				6.5		35.0			
1,2,3-Trimethylbenzene	++++ 3.0526	2.5592 2.9455	2.5146	2.8538	3.2538	Ave		2.863 2				10.0		35.0			
Benzyl chloride	++++ 1.2167	0.6203 1.2147	0.8795	0.9927	1.2049	Ave		1.021 5				23.6		35.0			
n-Butylbenzene	++++ 1.4560	1.2973 1.4263	1.2436	1.4696	1.6577	Ave		1.425 1				10.2		35.0			
1,2-Dichlorobenzene	++++ 1.4405	1.4286 1.4053	1.3534	1.5328	1.6508	Ave		1.468 6				7.3		35.0			
1,2-Dibromo-3-Chloropropane	++++ 0.1154	0.0738 0.1158	0.1070	0.1054	0.1330	Ave		0.108 4				18.1		35.0			
1,2,4-Trichlorobenzene	++++ 0.9855	0.9068 0.9981	0.9063	1.0046	1.1823	Ave		0.997 3				10.1		35.0			
Hexachlorobutadiene	++++ 0.3923	0.3484 0.3986	0.4110	0.4396	0.5039	Ave		0.415 6				12.6		35.0			
Naphthalene	++++ 1.5782	1.6052 1.6077	1.5862	1.6810	1.9239	Ave		1.663 7				8.0		35.0			
1,2,3-Trichlorobenzene	++++ 0.7760	0.7363 0.7642	0.7495	0.8326	0.9336	Ave		0.798 7				9.3		35.0			
Dibromofluoromethane (Surr)	0.2832 0.2681	0.2913 0.2804	0.2839	0.2932	0.3081	Ave		0.286 9				4.3		35.0			
1,2-Dichloroethane-d4 (Surr)	0.3044 0.2916	0.2945 0.3015	0.3048	0.3172	0.3273	Ave		0.305 9				4.1		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toluene-d8 (Surr)	1.3003 1.2844	1.2961 1.3383	1.3131	1.3417	1.3959	Ave		1.324 2				2.9		35.0			
Bromofluorobenzene	0.4174 0.4163	0.4270 0.4265	0.4260	0.4353	0.4588	Ave		0.429 6				3.3		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-959555/3	A09700.D
Level 2	STD1 460-959555/4	A09701.D
Level 3	STD5 460-959555/5	A09702.D
Level 4	STD20 460-959555/6	A09703.D
Level 5	STD50 460-959555/7	A09704.D
Level 6	STD200 460-959555/8	A09705.D
Level 7	STD500 460-959555/9	A09706.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	++++ 1291048	7070 3569052	28353	117303	320065	++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	++++ 1205339	6665 3436388	25300	106754	293445	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	++++ 1056815	6089 3028442	24074	98676	262143	++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1586 1051586	5605 3061036	23044	94656	256952	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	++++ 677598	3162 1994920	13377	60211	163664	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl Chloride	FB	Ave	++++ 573152	2618 1642238	12776	53778	145406	++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 1252895	5801 3663412	28737	119499	318402	++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd9	Ave	++++ 230566	1290 633805	6485	24131	60902	++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd9	Ave	++++ 67581	358 250952	1196	6136	15026	++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	++++ 472217	2507 1287807	10788	45415	123543	++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	++++ 644448	3100 1750325	15341	63829	164659	++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 646502	3161 1724859	16545	67472	167425	++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	++++ 69222	627 163259	4966	10190	27168	++++ 200	4.00 400	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	++++ 607509	3638 1669835	14153	60960	163102	++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	++++ 191447	969 461062	3728	17592	40651	++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isopropyl alcohol	TBAd9	Ave	++++ 222918	548 620284	4467	18190	50989	++++ 2000	10.0 5000	50.0	200	500
Iodomethane	FB	Ave	++++ 982066	4058 2773562	17101	81145	221252	++++ 200	1.00 500	5.00	20.0	50.0
Carbon disulfide	FB	Ave	++++ 2148698	11754 5910705	51962	217314	566218	++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	++++ 418044	2317 1172567	9214	40067	108438	++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	++++ 591335	4219 1582315	13945	58307	150755	++++ 400	2.00 1000	10.0	40.0	100
Acetonitrile	TBAd9	Ave	++++ 570691	2831 1667554	13892	54506	145987	++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	++++ 709992	3359 1905519	17529	71758	189552	++++ 200	1.00 500	5.00	20.0	50.0
TBA	TBAd9	Ave	++++ 340771	1835 918508	6623	29523	84655	++++ 2000	10.0 5000	50.0	200	500
MTBE	FB	Ave	++++ 1544849	6909 4140764	34284	144332	392137	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	++++ 685760	3972 1859974	16070	68045	182402	++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	1227 1451446	7022 4154553	33455	137832	366711	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	++++ 534889	2761 1446916	12624	56491	146413	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	++++ 2246647	9822 6085295	48003	205478	559277	++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBAd9	Ave	++++ 220791	++++ 615980	4666	19207	57884	++++ 400	++++ 1000	10.0	40.0	100
1,1-Dichloroethane	FB	Ave	++++ 1242778	7329 3344124	30668	126514	330774	++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	++++ 242743	1069 656886	6042	23904	61366	++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	++++ 762222	4271 2080224	19428	73339	207297	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Lin2	++++ 100181	131 271612	2169	9699	25331	++++ 400	2.00 1000	10.0	40.0	100
2-Butanone	BUT	Ave	++++ 238004	1363 607051	5829	21861	61426	++++ 1000	5.00 2500	25.0	100	250
Chlorobromomethane	FB	Ave	++++ 341966	1809 925110	7992	36758	88822	++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	++++	2117	8064	32987	84751	++++	2.00	10.0	40.0	100

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			328810	860110				400	1000			
Chloroform	FB	Ave	++++ 1217215	6796 3245630	29851	128034	323987	++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	++++ 1094833	6017 3003792	27443	110225	298858	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	++++ 1076691	5743 2893408	27986	106902	288024	++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	++++ 961309	5467 2599295	22090	98004	255533	++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	++++ 952354	4888 2597320	23931	97023	259013	++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd 5	Ave	++++ 2746603	13826 7395254	62725	278894	723551	++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	++++ 194854	++++ 510203	7112	20491	47413	++++ 200	++++ 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	++++ 812004	4689 2115511	21297	85103	219049	++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	++++ 397623	1001 1037733	9355	39732	109010	++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	++++ 255376	605 709391	3991	17454	55277	++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	++++ 733167	4985 2001137	16947	74285	189111	++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	++++ 81827	453 229293	1430	8448	21365	++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	++++ 1030330	5295 2821522	23988	104585	274323	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	++++ 693094	3682 1920298	15809	68500	179187	++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	++++ 672167	3383 1789389	13109	59321	161185	++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	++++ 92895	811 253710	2320	8329	24201	++++ 4000	50.0 10000	100	400	1000
n-Propyl acetate	FB	Ave	++++ 661459	2531 1751278	12867	60924	159249	++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	++++ 368938	2134 981087	8906	37271	96622	++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	++++ 974607	5131 2592742	23244	91330	244998	++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	++++	++++	598	3927	13869	++++	++++	5.01	20.0	50.1

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			86782	356081				200	501			
Epichlorohydrin	BUT	Ave	697 770681	3151 2103931	14740	65739	178029	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd 5	Ave	++++ 1173636	4959 3231056	23223	109831	296363	++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone	BUT	Ave	++++ 2014497	8316 5350301	42007	183537	504562	++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd 5	Ave	++++ 3050740	14540 8283765	67067	282265	758162	++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZd 5	Ave	++++ 1014244	4079 2777003	20305	90872	248987	++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZd 5	Ave	++++ 468365	2461 1260848	10386	43286	114479	++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZd 5	Ave	++++ 782222	4050 2109277	18298	77077	198393	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZd 5	Ave	++++ 952601	4762 2522224	19582	86482	232727	++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	++++ 725601	2432 1915107	13983	63535	177783	++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZd 5	Lin2	++++ 121600	151 327964	2606	10736	27697	++++ 200	1.00 500	5.00	20.0	50.0
Dibromochloromethane	CBNZd 5	Ave	++++ 678968	3430 1823703	13972	61647	164564	++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZd 5	Ave	++++ 536865	2136 1438885	11231	50481	134249	++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZd 5	Ave	++++ 1950778	10012 5404552	42226	184382	491526	++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZd 5	Ave	++++ 1070350	5372 2914857	23510	97518	266601	++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	++++ 715296	2576 1928380	14103	64496	171363	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m-Xylene & p-Xylene	CBNZd 5	Ave	++++ 1323247	5923 3518091	29808	127883	339844	++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZd 5	Ave	++++ 425319	953 1151809	7253	34456	96438	++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZd 5	Ave	++++ 1313168	5899 3531889	29454	121246	328836	++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZd 5	Ave	++++ 2184240	9316 5792802	45312	205387	543324	++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd4	Lin2	++++ 921100	1512 2485493	17036	77103	214646	++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZd 5	Ave	++++ 416330	1848 1130977	8431	35711	103726	++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZd 5	Ave	++++ 3354912	14912 8812825	70666	308568	850230	++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd4	Ave	++++ 843646	4238 2342420	19129	79970	214216	++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	++++ 577183	2138 1614446	13182	54023	149544	++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd4	Ave	++++ 4100503	19604 10467994	92656	390281	1059397	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	++++ 161321	873 438705	3685	14064	43554	++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd4	Ave	++++ 2759853	12874 7221147	62040	259323	702194	++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd4	Ave	++++ 2847111	12370 7425354	59985	261811	717021	++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd4	Ave	++++ 2445133	11791 6457810	57148	240499	629384	++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd4	Lin2	++++ 904527	1668 2398354	15498	70372	197680	++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd4	Ave	++++ 2378783	11855 6330295	53477	224376	610920	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd4	Ave	++++ 2958896	14639 7652054	65720	277537	727547	++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd4	Ave	++++ 718586	3356 1910801	15447	66461	177434	++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Isopropyltoluene	DCBd4	Ave	++++ 3082228	13257 7906299	62897	278272	764792	++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd4	Ave	++++ 1685626	7466 4394937	34470	156082	417582	++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd4	Ave	++++ 1701997	7982 4391630	38156	159613	425773	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd4	Ave	++++ 3199454	12694 7977133	61190	272984	740564	++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd4	Ave	++++ 1275255	3077 3289645	21402	94960	274229	++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd4	Ave	++++ 1526064	6435 3862863	30262	140574	377297	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd4	Ave	++++ 1509817	7086 3805821	32934	146625	375715	++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	++++ 120941	366 313555	2604	10085	30260	++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd4	Ave	++++ 1032907	4498 2702998	22053	96094	269093	++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd4	Ave	++++ 411166	1728 1079389	10001	42053	114696	++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd4	Ave	++++ 1654135	7962 4353895	38600	160800	437874	++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd4	Ave	++++ 813329	3652 2069630	18238	79640	212488	++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	152132 146592	157435 163377	149266	147843	148352	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	163519 159474	159182 175661	160288	159959	157597	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNzd 5	Ave	579261 606030	566016 672403	555367	557072	560537	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBNzd 5	Ave	185928 196450	186466 214302	180172	180726	184249	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-959555/3	A09700.D
Level 2	STD1 460-959555/4	A09701.D
Level 3	STD5 460-959555/5	A09702.D
Level 4	STD20 460-959555/6	A09703.D
Level 5	STD50 460-959555/7	A09704.D
Level 6	STD200 460-959555/8	A09705.D
Level 7	STD500 460-959555/9	A09706.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	++++ 0.9	7.7	-11.2	-4.2	9.5	-2.8	30	50	30	30	30	30
Chloromethane	++++ 4.8	9.5	-14.5	-6.0	8.3	-2.1	30	50	30	30	30	30
Vinyl chloride	++++ 2.0	10.5	-10.2	-4.0	6.8	-5.2	30	50	30	30	30	30
Butadiene	16.2 3.4	2.1	-13.7	-7.6	5.0	-5.4	50 30	30	30	30	30	30
Bromomethane	++++ 11.8	-4.5	-16.9	-2.5	11.0	1.2	30	50	30	30	30	30
Ethyl Chloride	++++ 5.8	-9.0	-8.8	0.1	13.4	-1.6	30	50	30	30	30	30
Trichlorofluoromethane	++++ 6.6	-9.0	-7.3	0.5	12.1	-2.9	30	50	30	30	30	30
Pentane	++++ -17.0	17.5	12.8	-0.2	4.9	-17.9	30	50	30	30	30	30
Ethanol	++++ 22.1	21.0	-22.8	-5.7	-3.9	-10.7	30	50	30	30	30	30
Ethyl ether	++++ -2.2	2.6	-9.2	-0.3	13.6	-4.5	30	50	30	30	30	30
2-Methyl-1,3-butadiene	++++ -1.6	-6.1	-4.5	3.7	12.0	-3.5	30	50	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ -5.6	-6.7	0.4	6.7	10.9	-5.7	30	50	30	30	30	30
Acrolein	++++ 21.8	-35.0	-1.6	-4.0	6.6	12.3	30	50	30	30	30	30
1,1-Dichloroethene	++++ -5.1	11.5	-10.8	0.1	12.2	-8.0	30	50	30	30	30	30
Acetone	++++ -6.5	14.4	-11.5	2.1	4.1	-2.7	30	50	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropyl alcohol	++++ 8.0	-33.6	3.3	0.1	16.7	5.5	30	50	30	30	30	30
Iodomethane	++++ 14.8	-9.4	-21.6	-3.0	10.8	8.3	30	50	30	30	30	30
Carbon disulfide	++++ -3.8	3.1	-6.3	2.2	11.5	-6.8	30	50	30	30	30	30
3-Chloro-1-propene	++++ 0.1	6.7	-12.8	-1.1	12.1	-4.9	30	50	30	30	30	30
Methyl acetate	++++ -19.5	49.2	-5.8	-6.3	0.8	-18.3	30	50	30	30	30	30
Acetonitrile	++++ -6.2	10.7	3.7	-3.2	7.9	-12.8	30	50	30	30	30	30
Methylene Chloride	++++ -4.1	-8.8	-2.2	4.4	15.5	-4.8	30	50	30	30	30	30
TBA	++++ -8.8	26.6	-12.7	-7.5	10.5	-8.1	30	50	30	30	30	30
MTBE	++++ 0.6	-9.5	-7.7	1.3	15.3	0.0	30	50	30	30	30	30
trans-1,2-Dichloroethene	++++ -5.3	9.0	-9.3	0.1	12.4	-7.0	30	50	30	30	30	30
Acrylonitrile	-14.6 6.7	-2.8	-4.8	2.3	14.0	-0.7	50 30	30	30	30	30	30
Hexane	++++ -5.3	-2.5	-8.4	6.9	16.0	-6.7	30	50	30	30	30	30
Isopropyl ether	++++ 3.2	-10.2	-9.8	0.7	14.8	1.5	30	50	30	30	30	30
Vinyl acetate	++++ -3.8	++++	-3.3	-5.3	18.8	-6.3	30		50	30	30	30
1,1-Dichloroethane	++++ -7.4	9.4	-5.9	1.2	10.9	-8.3	30	50	30	30	30	30
2,2-Dichloropropane	++++ -1.0	-13.2	0.9	4.0	11.9	-2.6	30	50	30	30	30	30
cis-1,2-Dichloroethene	++++ -5.4	4.7	-2.1	-3.6	14.1	-7.7	30	50	30	30	30	30
Ethyl acetate	++++ -4.9	-0.9	3.4	0.8	13.4	-11.8	30	50	30	30	30	30
2-Butanone	++++ -10.8	16.7	0.4	-8.0	14.1	-12.3	30	50	30	30	30	30
Chlorobromomethane	++++ -4.9	0.3	-8.9	9.2	10.6	-6.3	30	50	30	30	30	30
Tetrahydrofuran	++++ -12.2	25.9	-3.6	-3.6	9.3	-15.8	30	50	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chloroform	++++ -7.6	4.3	-5.8	5.3	11.6	-7.7	30	50	30	30	30	30
Cyclohexane	++++ -5.2	2.4	-4.0	0.5	14.2	-7.9	30	50	30	30	30	30
1,1,1-Trichloroethane	++++ -6.3	0.2	0.4	0.0	12.8	-7.1	30	50	30	30	30	30
Carbon tetrachloride	++++ -5.4	7.3	-10.9	3.1	12.6	-6.8	30	50	30	30	30	30
1,1-Dichloropropene	++++ -4.7	-3.4	-2.7	2.8	15.0	-6.9	30	50	30	30	30	30
Benzene	++++ -6.8	0.2	-6.1	6.3	14.1	-7.8	30	50	30	30	30	30
Isopropyl acetate	++++ -14.5	++++	32.1	-0.8	-3.8	-13.0	30		50	30	30	30
1,2-Dichloroethane	++++ -11.1	6.2	-0.8	3.3	11.4	-9.1	30	50	30	30	30	30
n-Heptane	++++ 1.4	-47.3	1.3	12.2	28.9	3.5	30	50	30	30	30	30
n-Butanol	++++ 17.2	-30.5	-12.4	-8.9	20.0	14.7	30	50	30	30	30	30
Trichloroethene	++++ -7.3	24.5	-13.0	-0.6	6.0	-9.5	30	50	30	30	30	30
Ethyl acrylate	++++ 1.7	8.3	-29.7	8.3	14.7	-3.3	30	50	30	30	30	30
Methylcyclohexane	++++ -2.8	-1.7	-8.4	4.1	14.3	-5.5	30	50	30	30	30	30
1,2-Dichloropropane	++++ -1.1	2.2	-9.8	1.9	11.7	-4.9	30	50	30	30	30	30
Methyl methacrylate	++++ 2.0	4.0	-17.2	-2.3	11.2	2.1	30	50	30	30	30	30
1,4-Dioxane	++++ 2.2	-20.1	14.0	-5.4	7.1	2.2	30	50	30	30	30	30
n-Propyl acetate	++++ 5.2	-18.1	-14.4	5.7	15.7	5.8	30	50	30	30	30	30
Dibromomethane	++++ -7.3	8.7	-6.7	1.8	10.5	-7.1	30	50	30	30	30	30
Bromodichloromethane	++++ -3.6	2.9	-4.2	-1.9	10.3	-3.4	30	50	30	30	30	30
2-Chloroethyl vinyl ether	++++ 90.5 *	++++	-64.6 *	-39.3 *	-10.2	23.7	30		50	30	30	30
Epichlorohydrin	-13.1 9.9	-4.1	-9.8	-1.6	17.6	1.0	50 30	30	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555
SDG No.: _____
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
cis-1,3-Dichloropropene	++++ 2.0	-9.9	-12.9	4.9	17.1	-1.3	30	50	30	30	30	30
4-Methyl-2-pentanone	++++ 0.9	-8.6	-7.1	-0.8	20.3	-4.7	30	50	30	30	30	30
Toluene	++++ -2.1	-1.1	-5.8	0.9	12.1	-4.0	30	50	30	30	30	30
trans-1,3-Dichloropropene	++++ 3.5	-12.6	-10.1	2.5	16.1	0.6	30	50	30	30	30	30
1,1,2-Trichloroethane	++++ -4.2	7.5	-6.3	-0.5	8.8	-5.3	30	50	30	30	30	30
Tetrachloroethene	++++ -6.3	3.5	-3.5	3.6	10.3	-7.5	30	50	30	30	30	30
1,3-Dichloropropane	++++ -3.3	5.0	-10.8	0.3	11.6	-2.8	30	50	30	30	30	30
2-Hexanone	++++ 5.8	-21.7	-9.5	0.6	24.2	0.6	30	50	30	30	30	30
n-Butyl acetate	++++ -3.2	-1.2	5.8	-0.7	3.5	-4.3	30	50	30	30	30	30
Dibromochloromethane	++++ -2.2	5.8	-11.0	0.0	10.4	-3.1	30	50	30	30	30	30
Ethylene Dibromide	++++ -0.1	-14.7	-7.3	6.1	16.7	-0.7	30	50	30	30	30	30
Chlorobenzene	++++ -2.0	4.4	-9.1	1.1	11.5	-5.9	30	50	30	30	30	30
Ethylbenzene	++++ -2.5	3.4	-6.6	-1.3	11.6	-4.7	30	50	30	30	30	30
1,1,1,2-Tetrachloroethane	++++ 4.4	-19.8	-9.3	5.6	16.1	3.1	30	50	30	30	30	30
m-Xylene & p-Xylene	++++ -4.5	-7.5	-3.9	5.0	15.4	-4.4	30	50	30	30	30	30
n-Butyl acrylate	++++ 16.3	-44.7	-13.0	5.2	21.8	14.3	30	50	30	30	30	30
o-Xylene	++++ -2.4	-6.2	-3.3	1.4	13.8	-3.4	30	50	30	30	30	30
Styrene	++++ -1.7	-9.1	-8.7	5.4	15.3	-1.3	30	50	30	30	30	30
Amyl acetate (mixed isomers)	++++ 3.8	1.6	-7.5	-5.6	7.9	-0.4	30	50	30	30	30	30
Bromoform	++++ 1.6	-4.5	-10.1	-3.0	16.5	-0.5	30	50	30	30	30	30
Isopropylbenzene	++++ -3.3	-5.9	-7.9	2.4	16.7	-2.0	30	50	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555
SDG No.: _____
Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Bromobenzene	+++++ 2.0	0.8	-7.3	-1.4	11.0	-5.1	30	50	30	30	30	30
1,1,2,2-Tetrachloroethane	+++++ 7.0	-22.6	-2.7	1.4	18.0	-1.1	30	50	30	30	30	30
N-Propylbenzene	+++++ -4.5	-2.3	-5.9	0.9	15.1	-3.3	30	50	30	30	30	30
1,2,3-Trichloropropane	+++++ -1.0	7.6	-7.4	-10.1	17.0	-5.9	30	50	30	30	30	30
2-Chlorotoluene	+++++ -1.5	-4.1	-5.8	0.2	14.0	-2.7	30	50	30	30	30	30
1,3,5-Trimethylbenzene	+++++ 0.9	-8.2	-9.3	0.7	15.9	0.0	30	50	30	30	30	30
4-Chlorotoluene	+++++ -2.8	-3.1	-4.3	2.5	12.7	-4.9	30	50	30	30	30	30
Butyl Methacrylate	+++++ 6.8	2.4	-10.9	-8.3	5.8	4.2	30	50	30	30	30	30
tert-Butylbenzene	+++++ -1.4	0.8	-7.3	-1.1	13.2	-4.3	30	50	30	30	30	30
1,2,4-Trimethylbenzene	+++++ -2.6	1.8	-6.9	0.1	10.2	-2.6	30	50	30	30	30	30
sec-Butylbenzene	+++++ 1.4	-2.8	-8.8	-0.2	12.0	-1.5	30	50	30	30	30	30
4-Isopropyltoluene	+++++ 0.7	-7.8	-10.8	0.4	16.0	1.5	30	50	30	30	30	30
1,3-Dichlorobenzene	+++++ 1.2	-6.1	-11.6	1.8	14.4	0.3	30	50	30	30	30	30
1,4-Dichlorobenzene	+++++ -2.3	-3.1	-5.6	0.5	12.7	-2.2	30	50	30	30	30	30
1,2,3-Trimethylbenzene	+++++ 2.9	-10.6	-12.2	-0.3	13.6	6.6	30	50	30	30	30	30
Benzyl chloride	+++++ 18.9	-39.3	-13.9	-2.8	18.0	19.1	30	50	30	30	30	30
n-Butylbenzene	+++++ 0.1	-9.0	-12.7	3.1	16.3	2.2	30	50	30	30	30	30
1,2-Dichlorobenzene	+++++ -4.3	-2.7	-7.8	4.4	12.4	-1.9	30	50	30	30	30	30
1,2-Dibromo-3-Chloropropane	+++++ 6.8	-31.9	-1.3	-2.7	22.7	6.5	30	50	30	30	30	30
1,2,4-Trichlorobenzene	+++++ 0.1	-9.1	-9.1	0.7	18.6	-1.2	30	50	30	30	30	30
Hexachlorobutadiene	+++++ -4.1	-16.2	-1.1	5.8	21.2	-5.6	30	50	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 959555

SDG No.: _____

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/15/2024 10:32 Calibration End Date: 02/15/2024 12:52 Calibration ID: 96072

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Naphthalene	+++++ -3.4	-3.5	-4.7	1.0	15.6	-5.1	30	50	30	30	30	30
1,2,3-Trichlorobenzene	+++++ -4.3	-7.8	-6.2	4.2	16.9	-2.8	30	50	30	30	30	30
Dibromofluoromethane (Surr)	-1.3 -2.3	1.5	-1.0	2.2	7.4	-6.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	-0.5 -1.5	-3.7	-0.4	3.7	7.0	-4.7	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-1.8 1.1	-2.1	-0.8	1.3	5.4	-3.0	50 30	30	30	30	30	30
Bromofluorobenzene	-2.9 -0.7	-0.6	-0.8	1.3	6.8	-3.1	50 30	30	30	30	30	30

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Feb-2024 10:32:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD7
 Misc. Info.: 460-0172348-003
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:29:18 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: W9CM

Date: 15-Feb-2024 18:45:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
172 Butadiene	39	1.851	1.852	-0.001	69	1586	0.2500	0.2905	
* 30 TBA-d9 (IS)	65	3.175	3.175	0.000	0	108608	1000.0	1000.0	
35 Acrylonitrile	53	3.469	3.475	-0.006	69	1227	2.00	1.71	
* 42 2-Butanone-d5	46	4.293	4.293	-0.001	0	157678	250.0	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.787	4.793	-0.006	97	152132	50.0	49.4	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	163519	50.0	49.7	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	537249	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	16179	1000.0	1000.0	
80 Epichlorohydrin	57	7.004	6.992	0.012	1	697	5.00	4.35	a
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	100	579261	50.0	49.1	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	445490	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	90	185928	50.0	48.6	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	96	249337	50.0	50.0	

QC Flag Legend

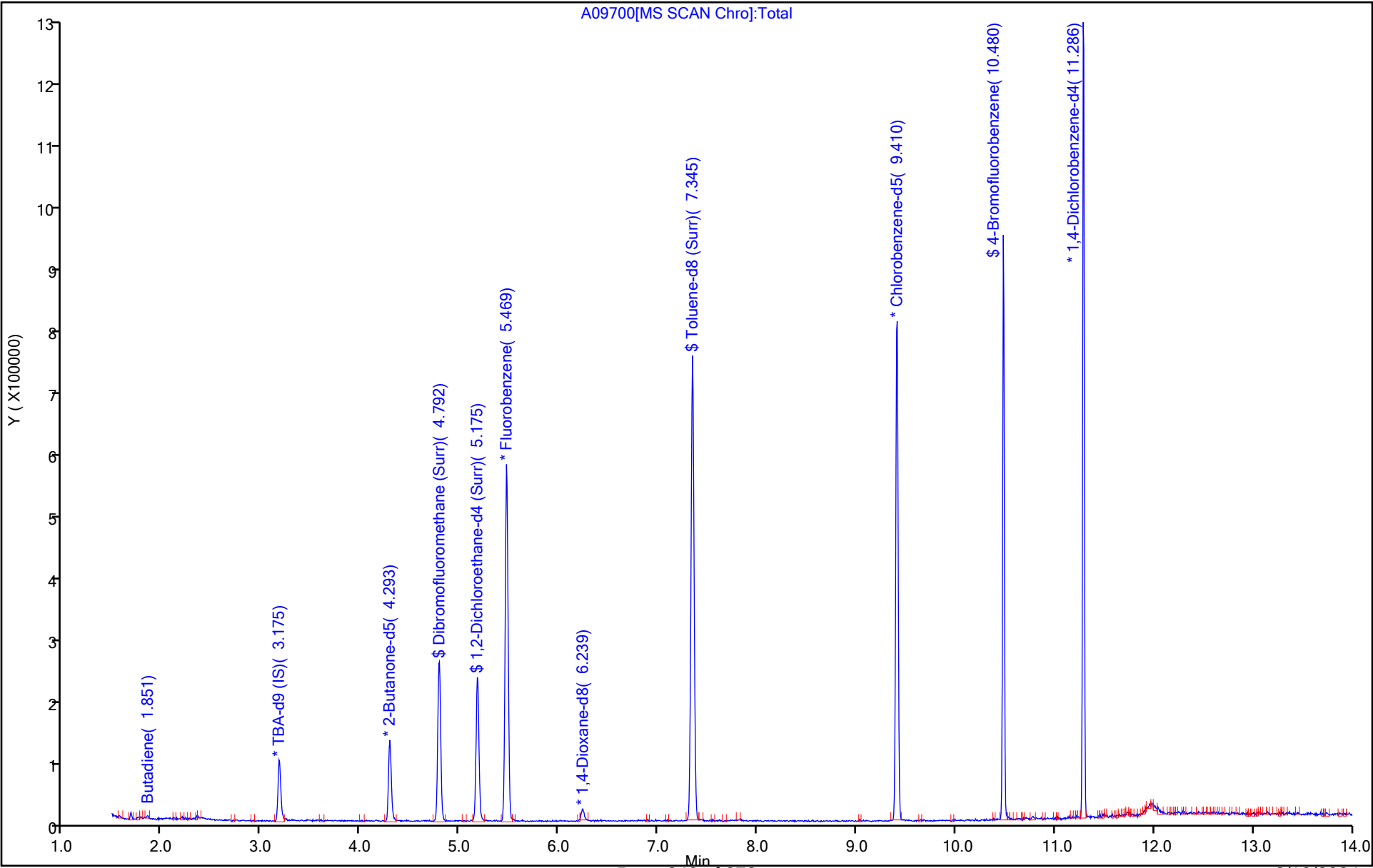
Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACRY/EPIH MIX_00121	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00183	Amount Added: 0.00	Units: uL	
GASES Li_00571	Amount Added: 2.50	Units: uL	
GAS Hi_00463	Amount Added: 0.00	Units: uL	
Ethanol mix_00086	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00145	Amount Added: 0.00	Units: uL	
MIX I Hi_00173	Amount Added: 0.00	Units: uL	
14DIOXINTER_00165	Amount Added: 0.00	Units: uL	
524FREONS_00014	Amount Added: 0.00	Units: uL	
VMTBA500_00045	Amount Added: 2.00	Units: uL	
7 Freons Hi_00002	Amount Added: 0.00	Units: uL	
ACROLEIN W_00165	Amount Added: 0.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D
Injection Date: 15-Feb-2024 10:32:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

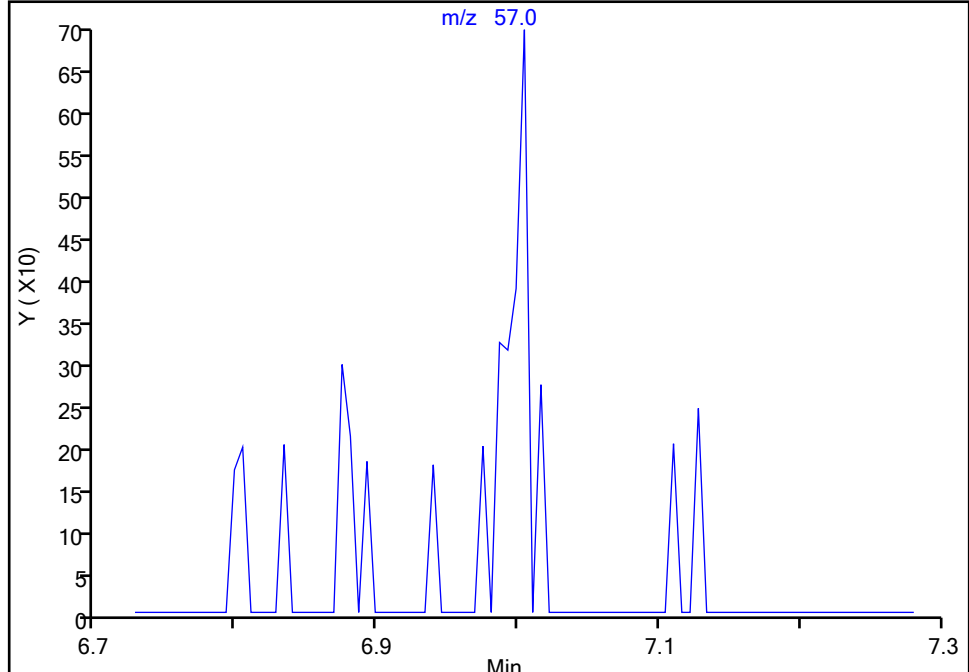
ALS Bottle#: 2 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

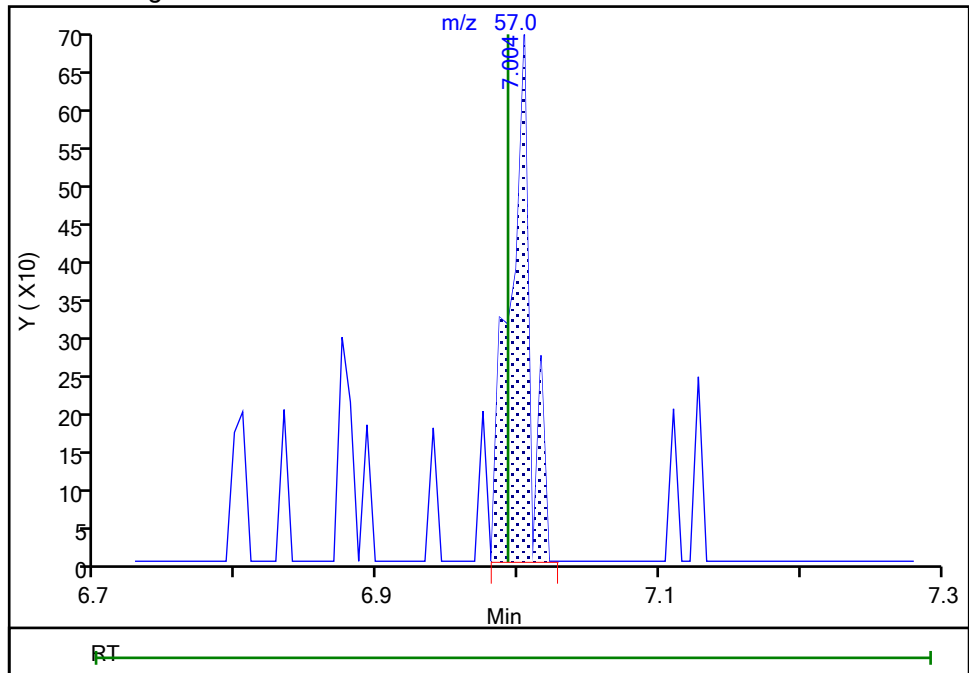
Not Detected
Expected RT: 6.99

Processing Integration Results



RT: 7.00
Area: 697
Amount: 4.346230
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:45:04 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

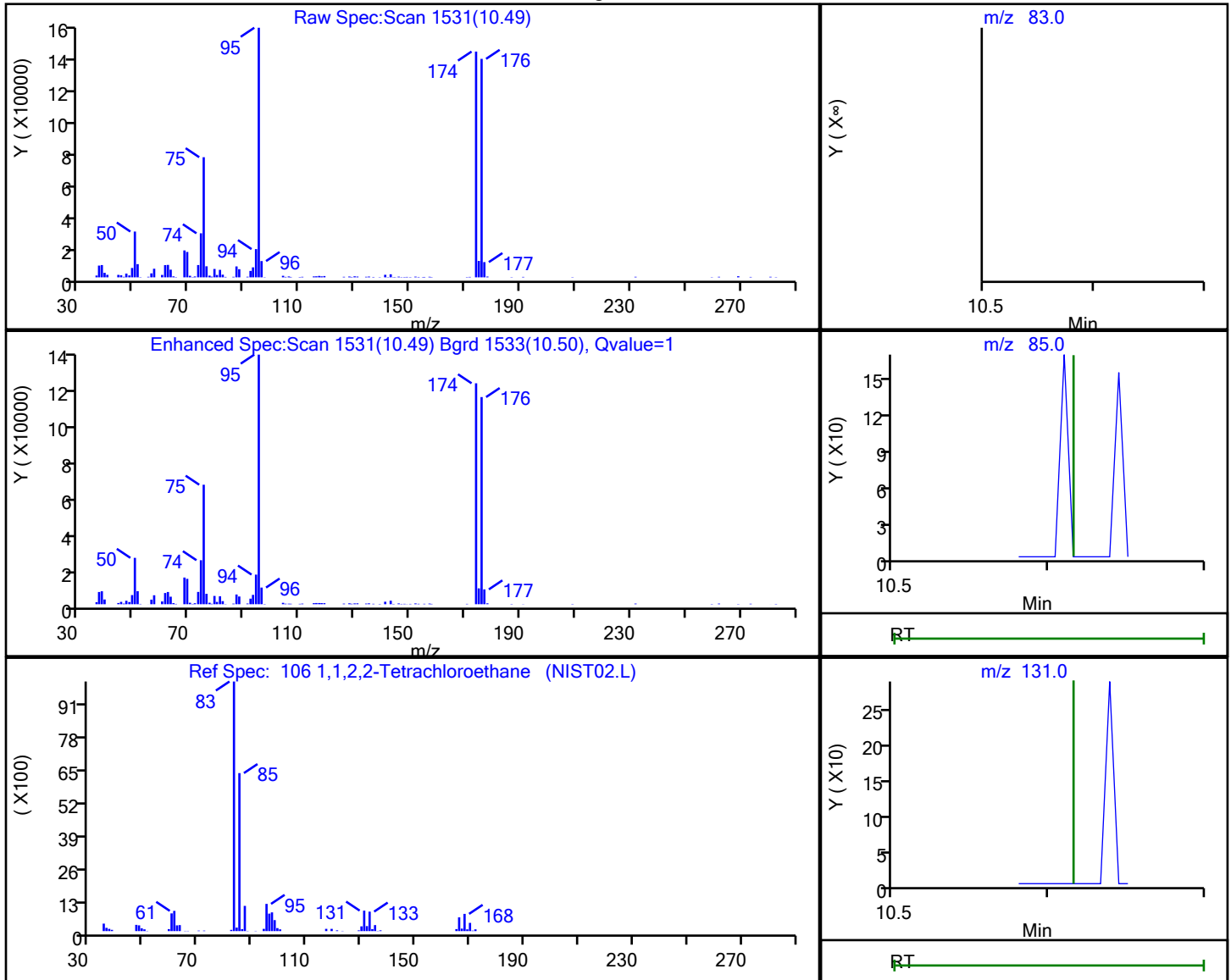
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

106 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
10.49	83.00	100	0.036009
10.48	85.00	62	
10.49	131.00	326	

Reviewer: W9CM, 15-Feb-2024 18:45:14 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

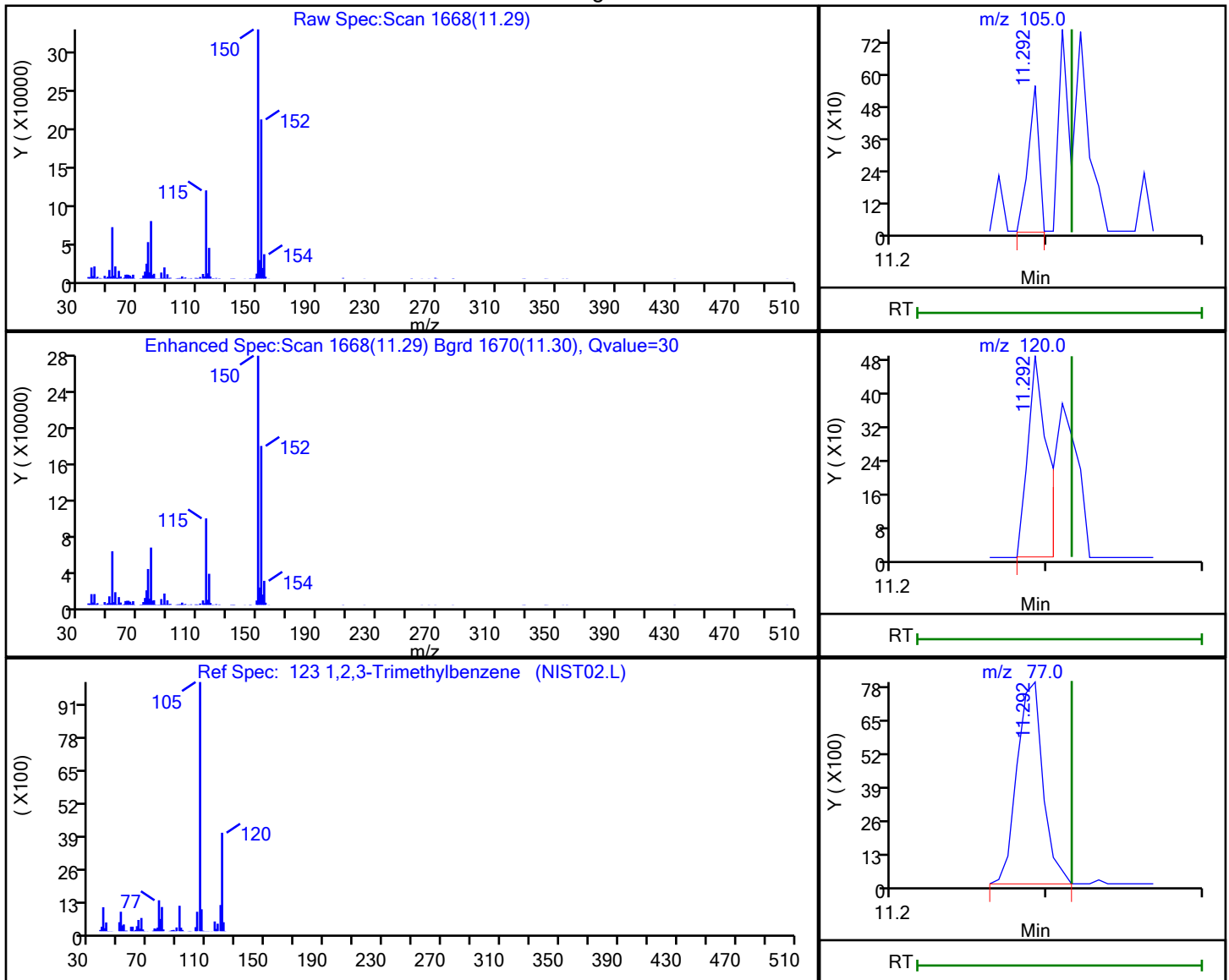
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
11.29	105.00	264	0.018490
11.29	120.00	424	
11.29	77.00	9298	

Reviewer: W9CM, 15-Feb-2024 18:45:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

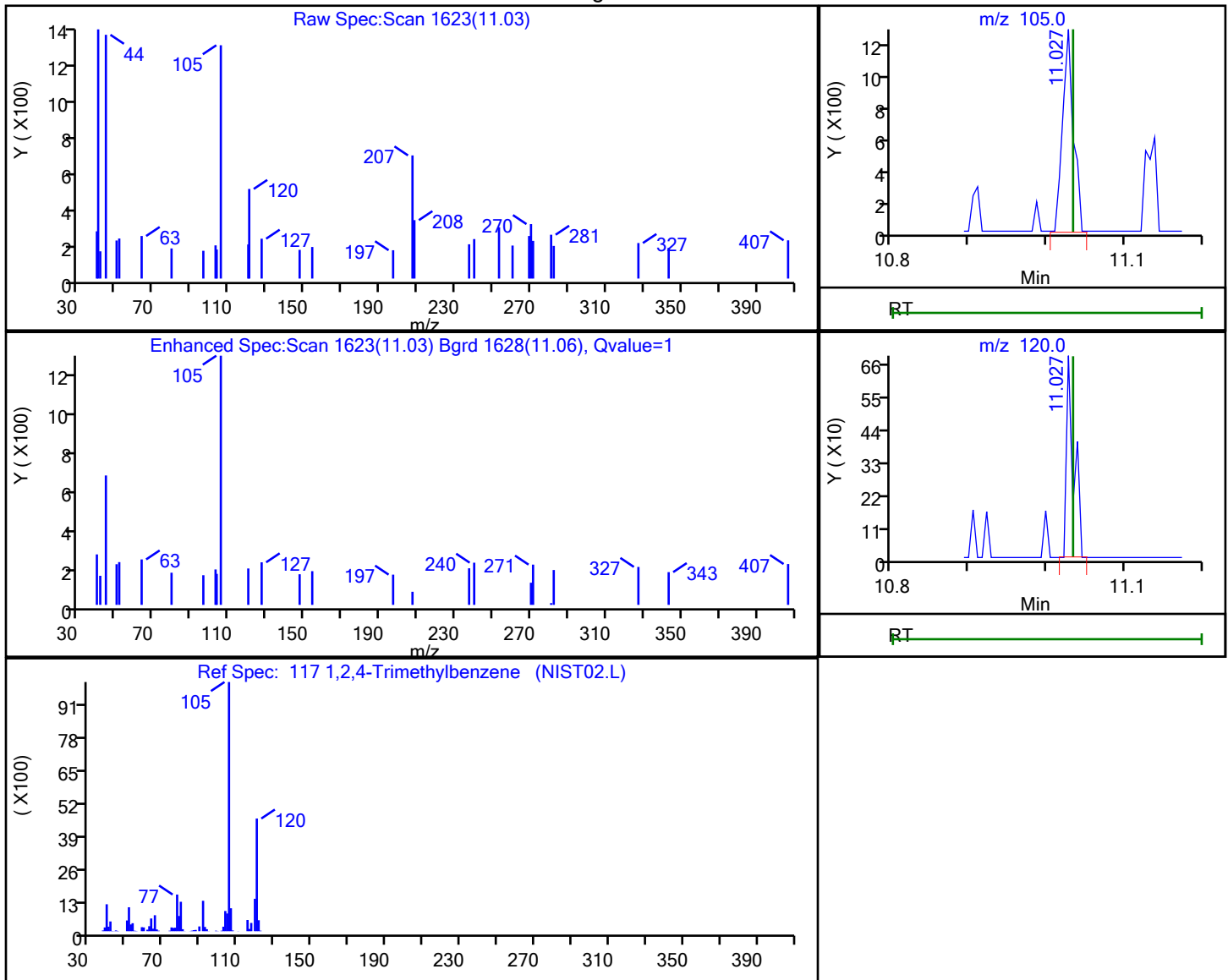
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

117 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
11.03	105.00	1245	0.086098
11.03	120.00	447	

Reviewer: W9CM, 15-Feb-2024 18:45:20 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

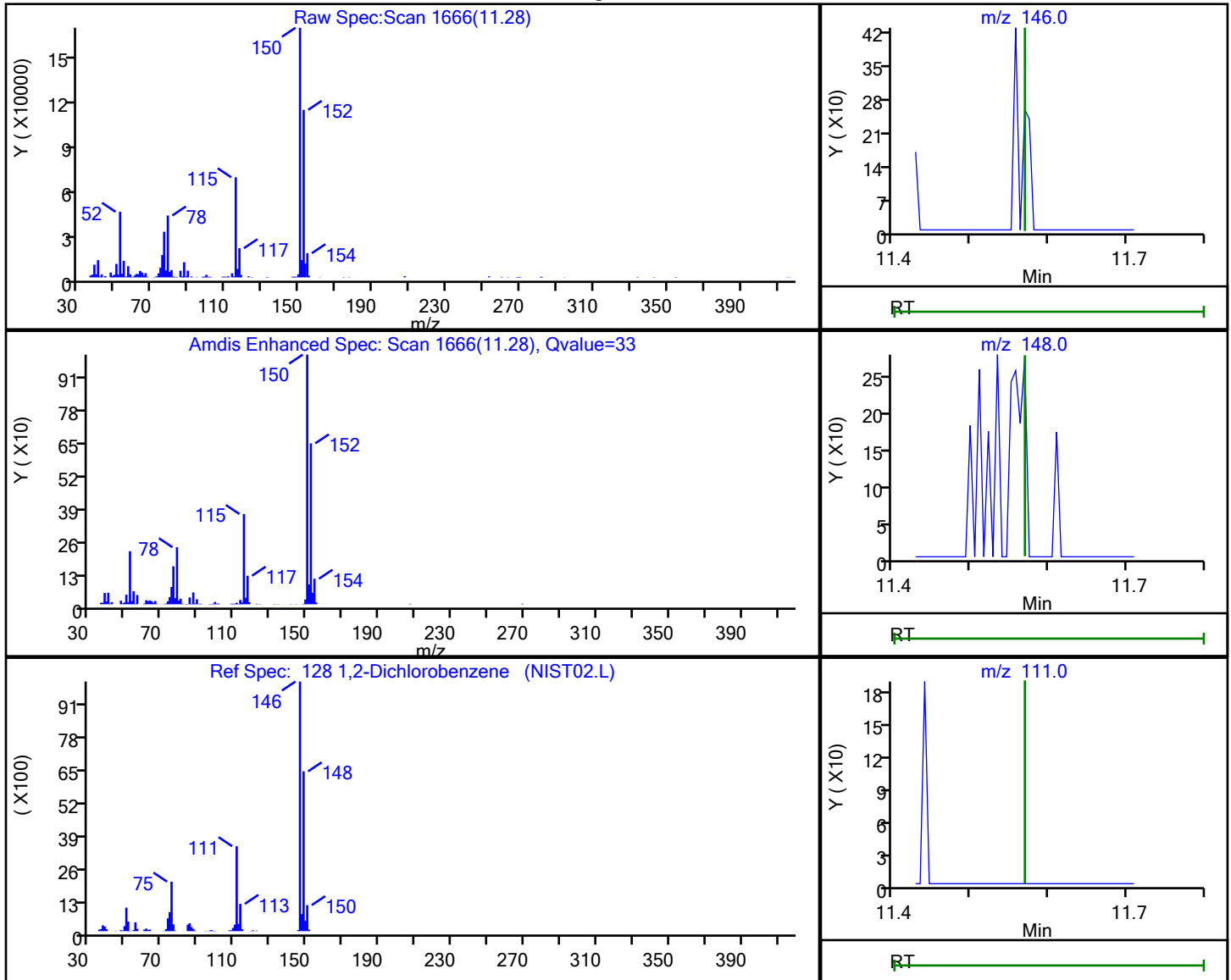
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.28	146.00	634	0.086573
11.29	148.00	1365	
11.29	111.00	2285	

Reviewer: W9CM, 15-Feb-2024 18:45:30 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

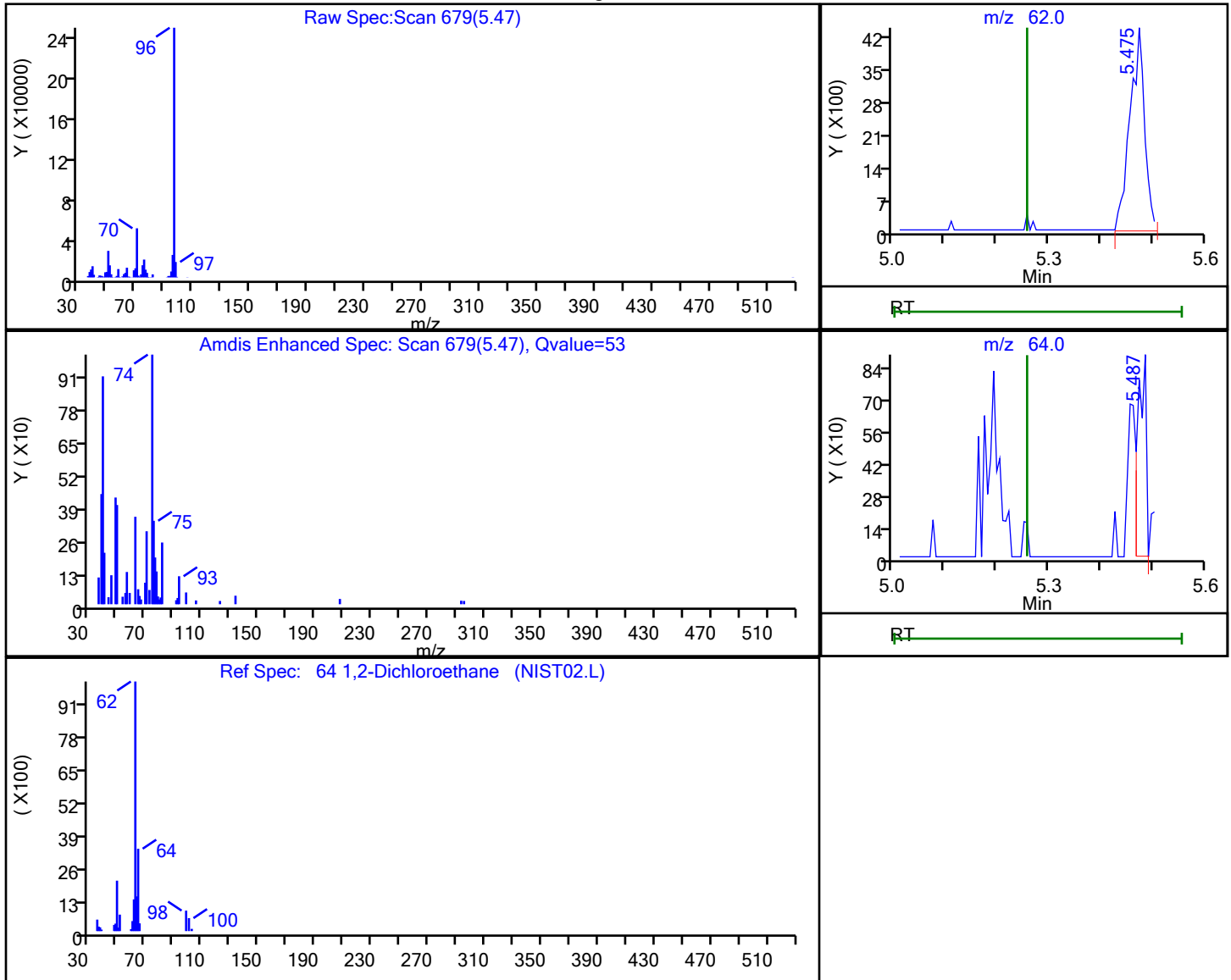
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.47	62.00	8607	1.961778
5.49	64.00	970	

Reviewer: W9CM, 15-Feb-2024 18:44:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

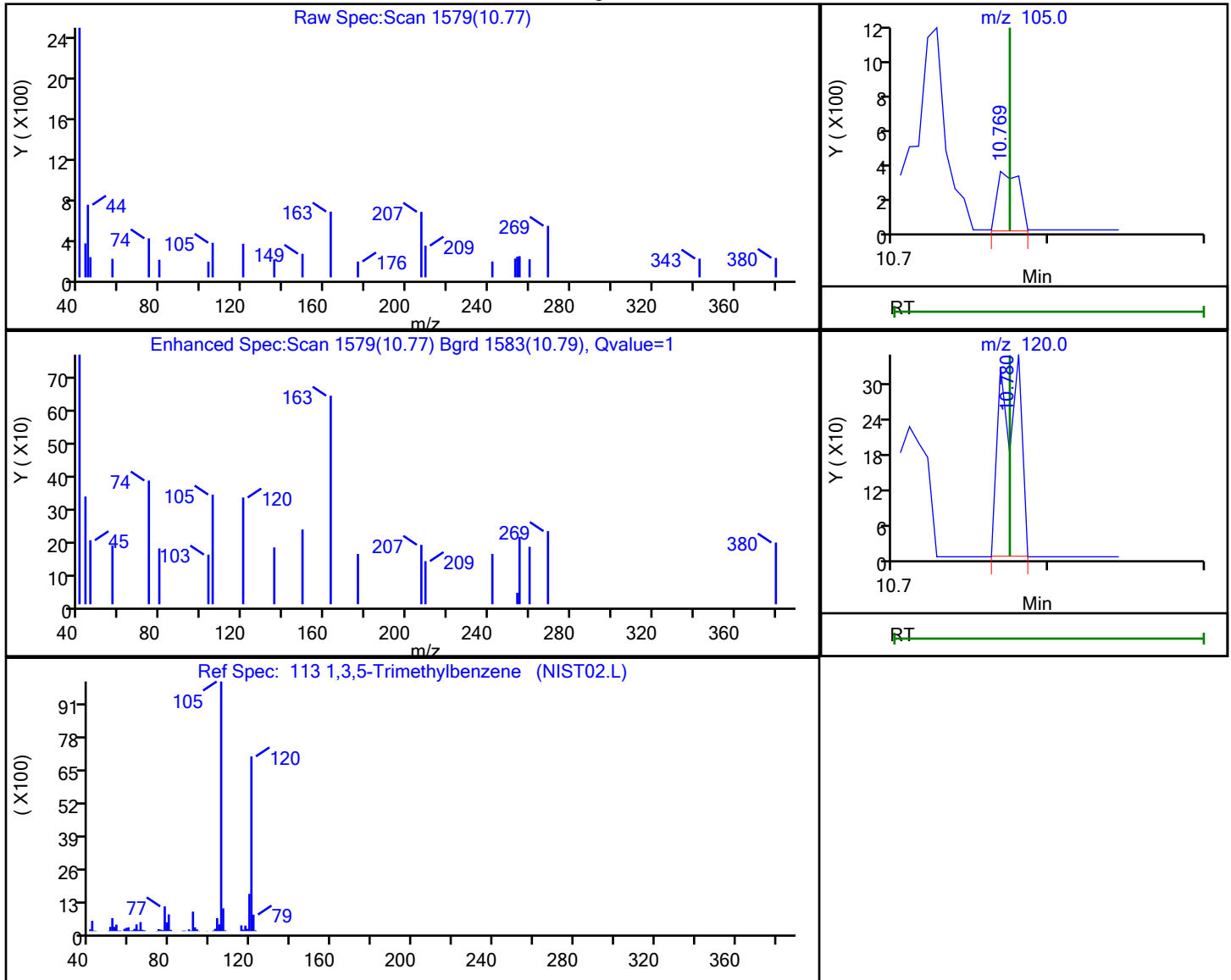
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

113 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
10.77	105.00	332	0.024500
10.78	120.00	302	

Reviewer: W9CM, 15-Feb-2024 18:45:16 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

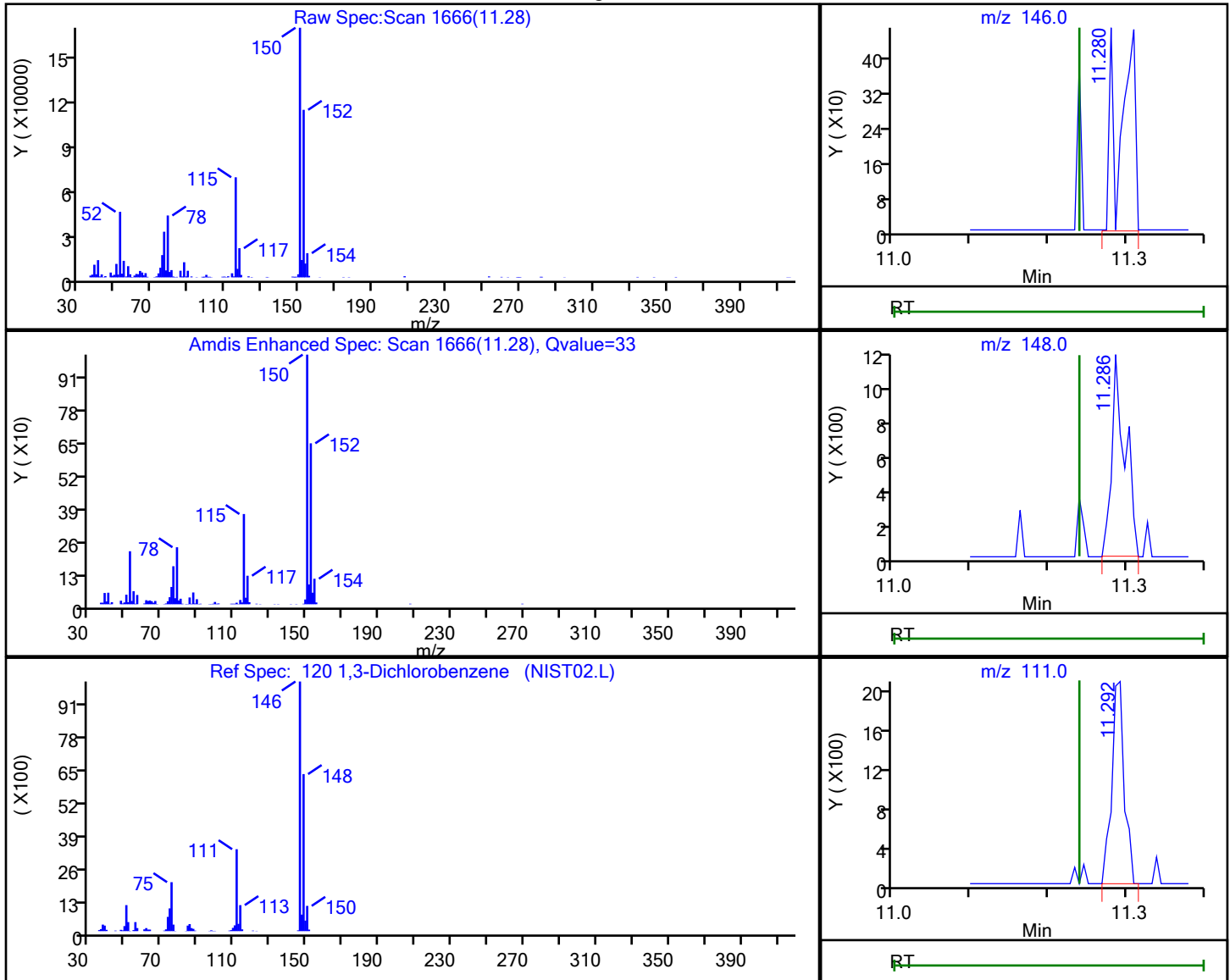
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.28	146.00	634	0.079302
11.29	148.00	1365	
11.29	111.00	2285	

Reviewer: W9CM, 15-Feb-2024 18:45:23 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

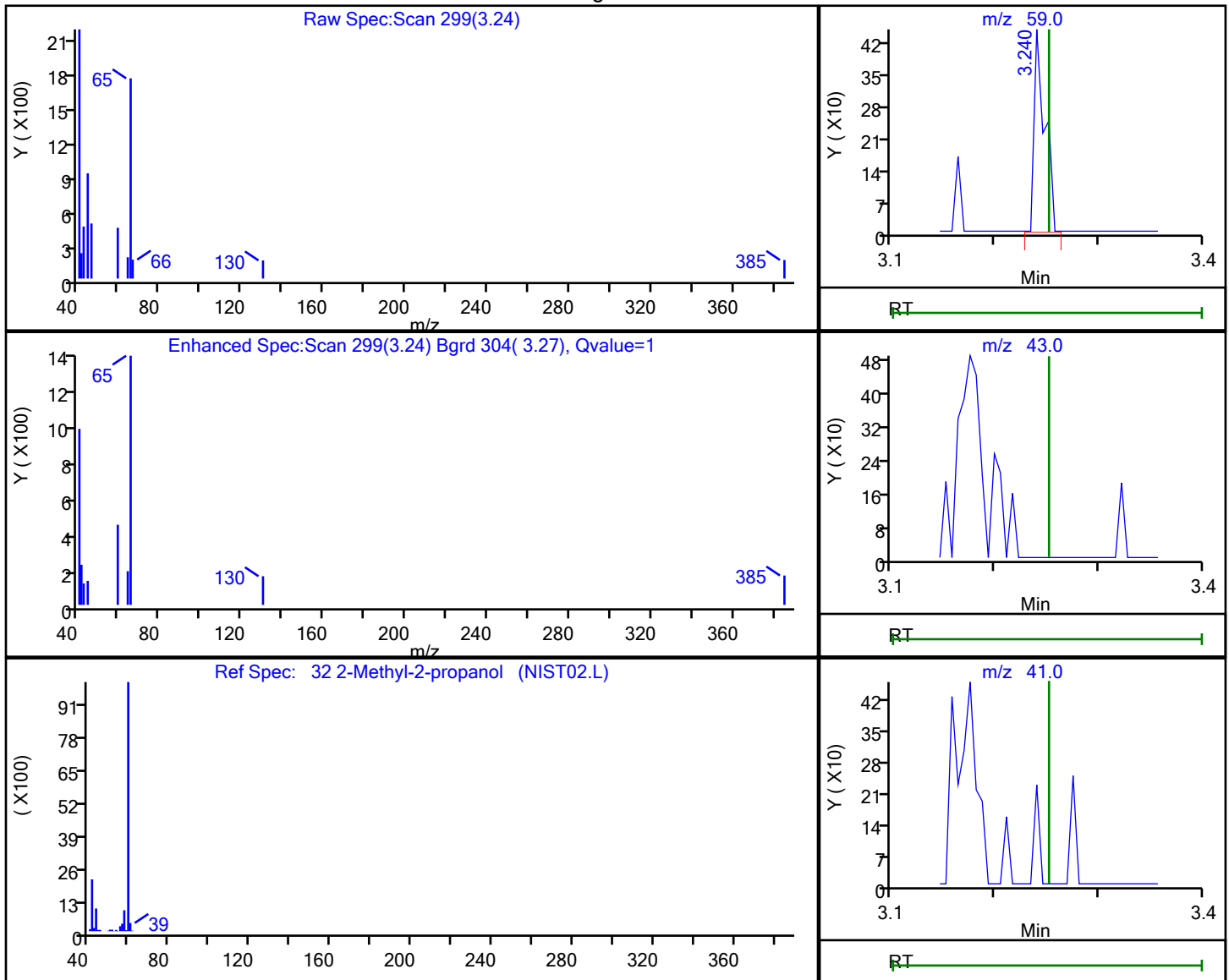
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.24	59.00	322	2.179696
3.25	43.00	0	
3.25	41.00	0	

Reviewer: W9CM, 15-Feb-2024 18:44:40 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

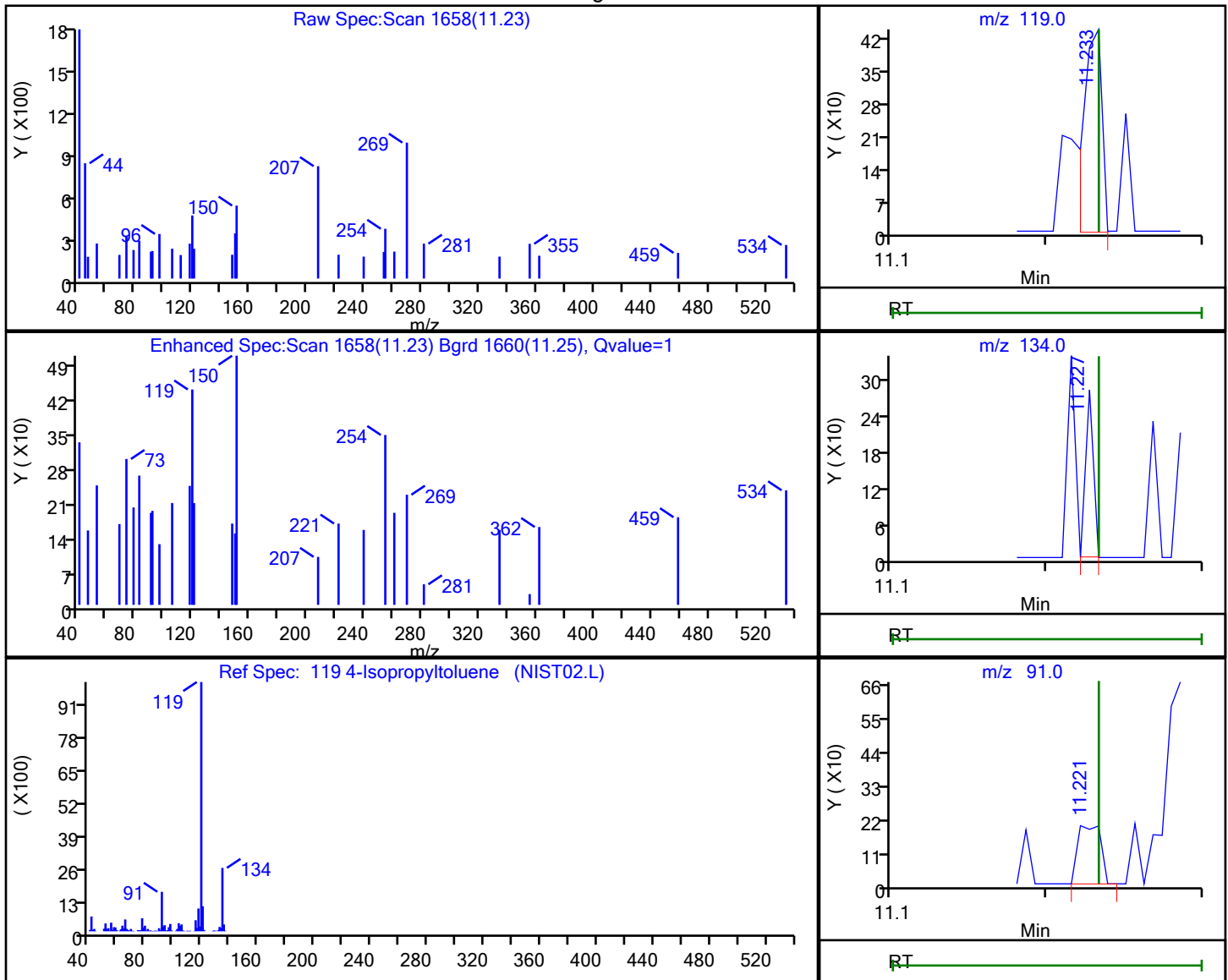
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.23	119.00	360	0.024913
11.23	134.00	98	
11.22	91.00	200	

Reviewer: W9CM, 15-Feb-2024 18:45:22 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

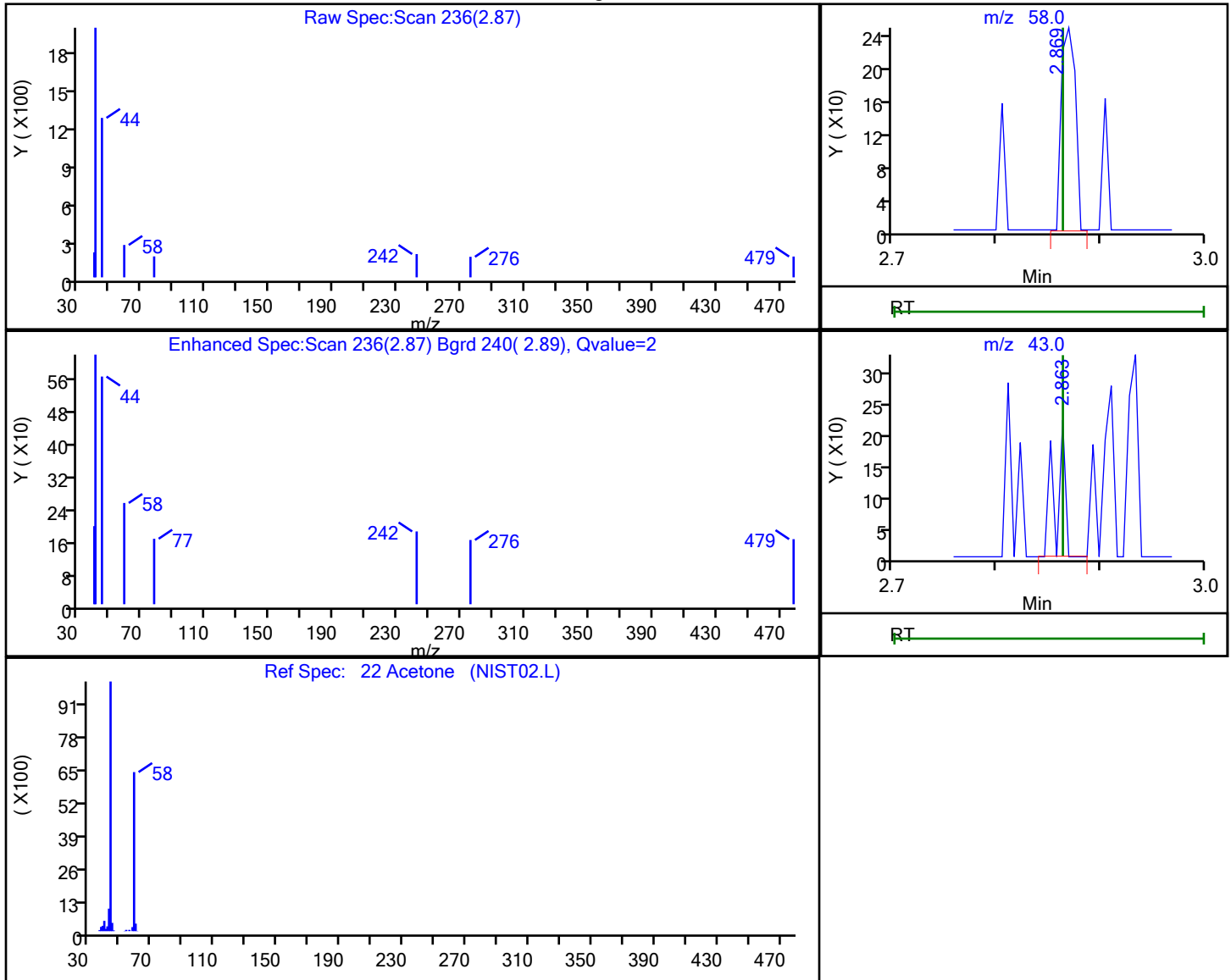
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.87	58.00	235	1.421011
2.86	43.00	143	

Reviewer: W9CM, 15-Feb-2024 18:44:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

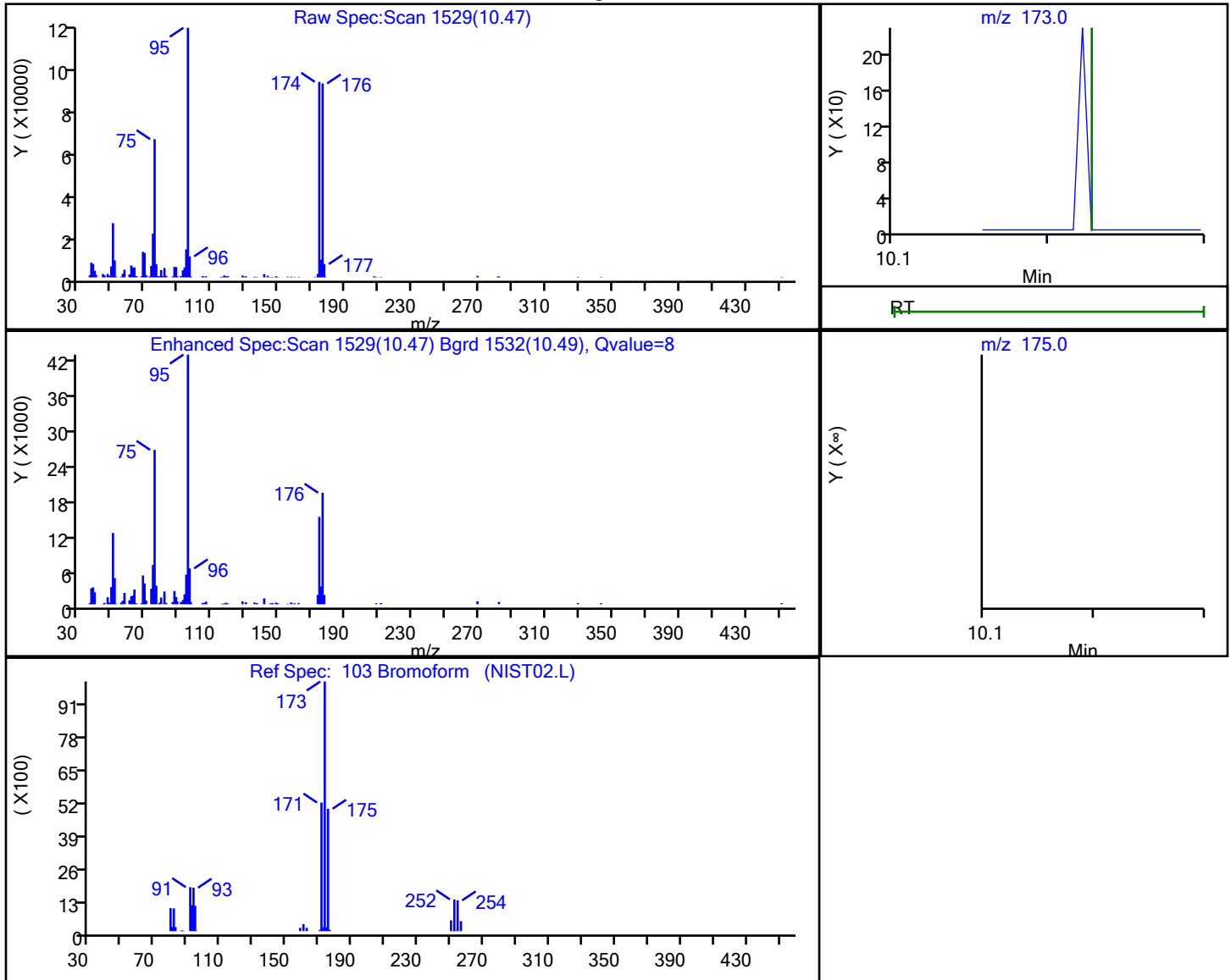
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.47	173.00	561	0.284066
10.48	175.00	13938	

Reviewer: W9CM, 15-Feb-2024 18:45:12 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

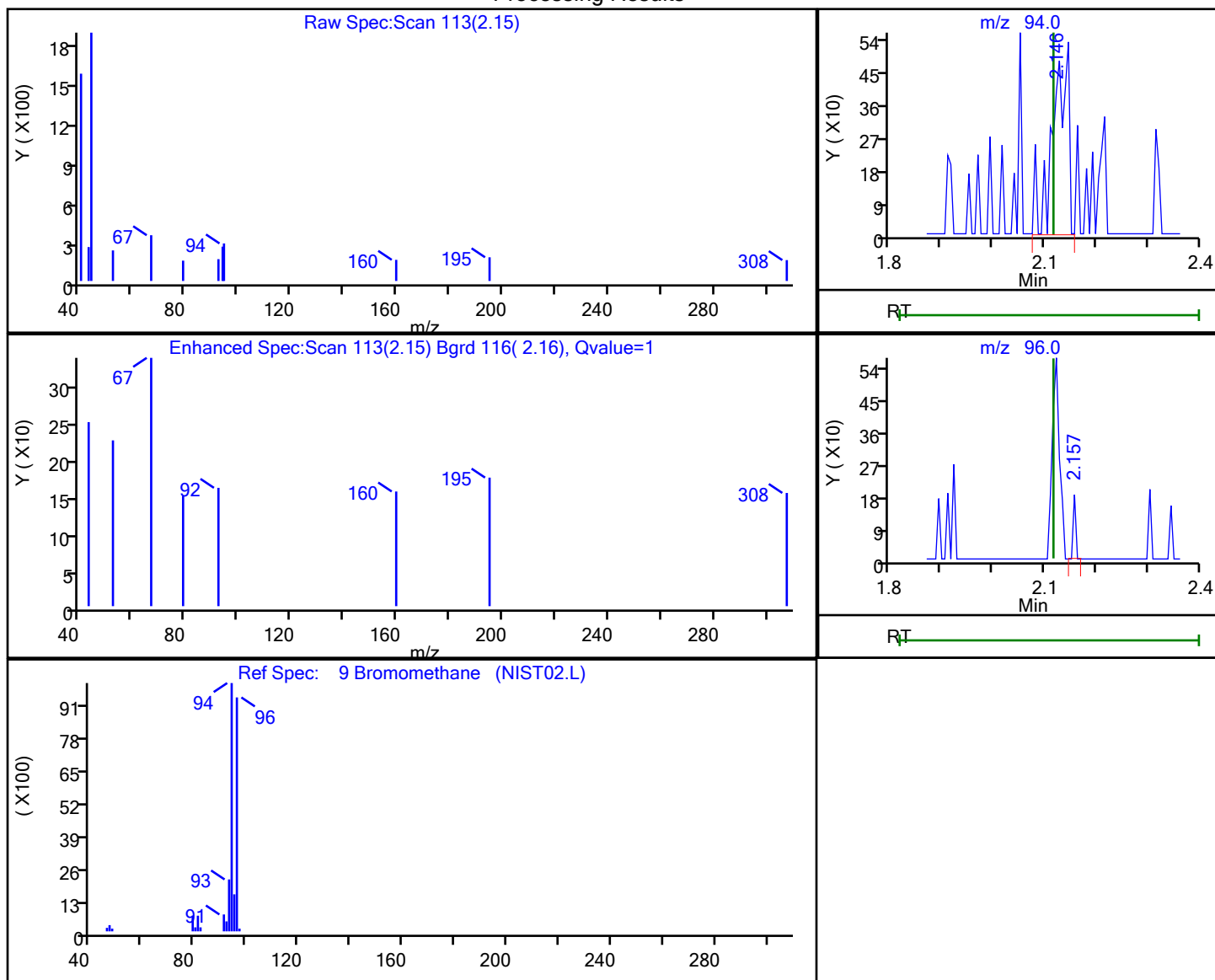
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.15	94.00	1106	0.320350
2.16	96.00	64	

Reviewer: W9CM, 15-Feb-2024 18:44:30 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

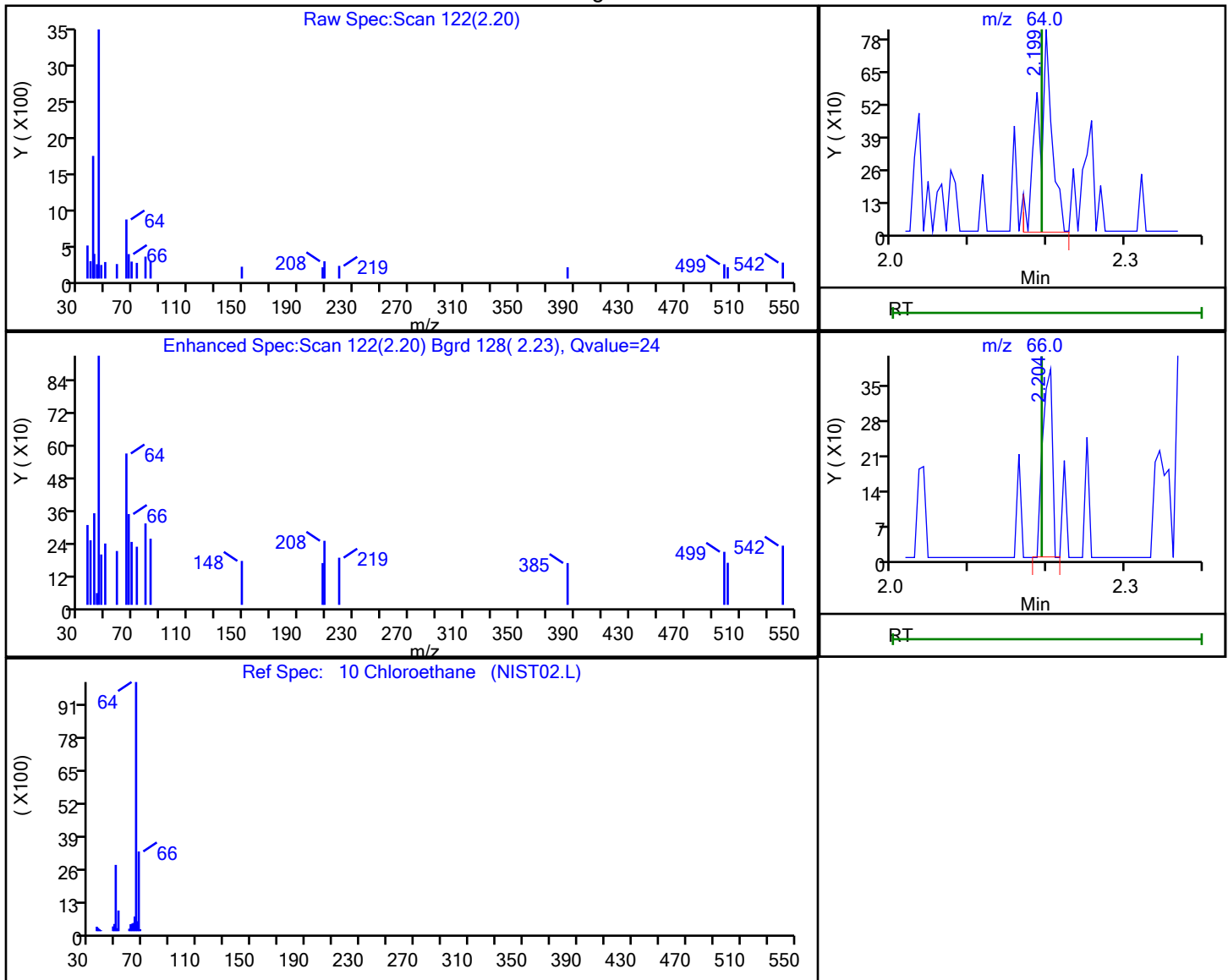
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.20	64.00	1029	0.338451
2.20	66.00	328	

Reviewer: W9CM, 15-Feb-2024 18:44:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

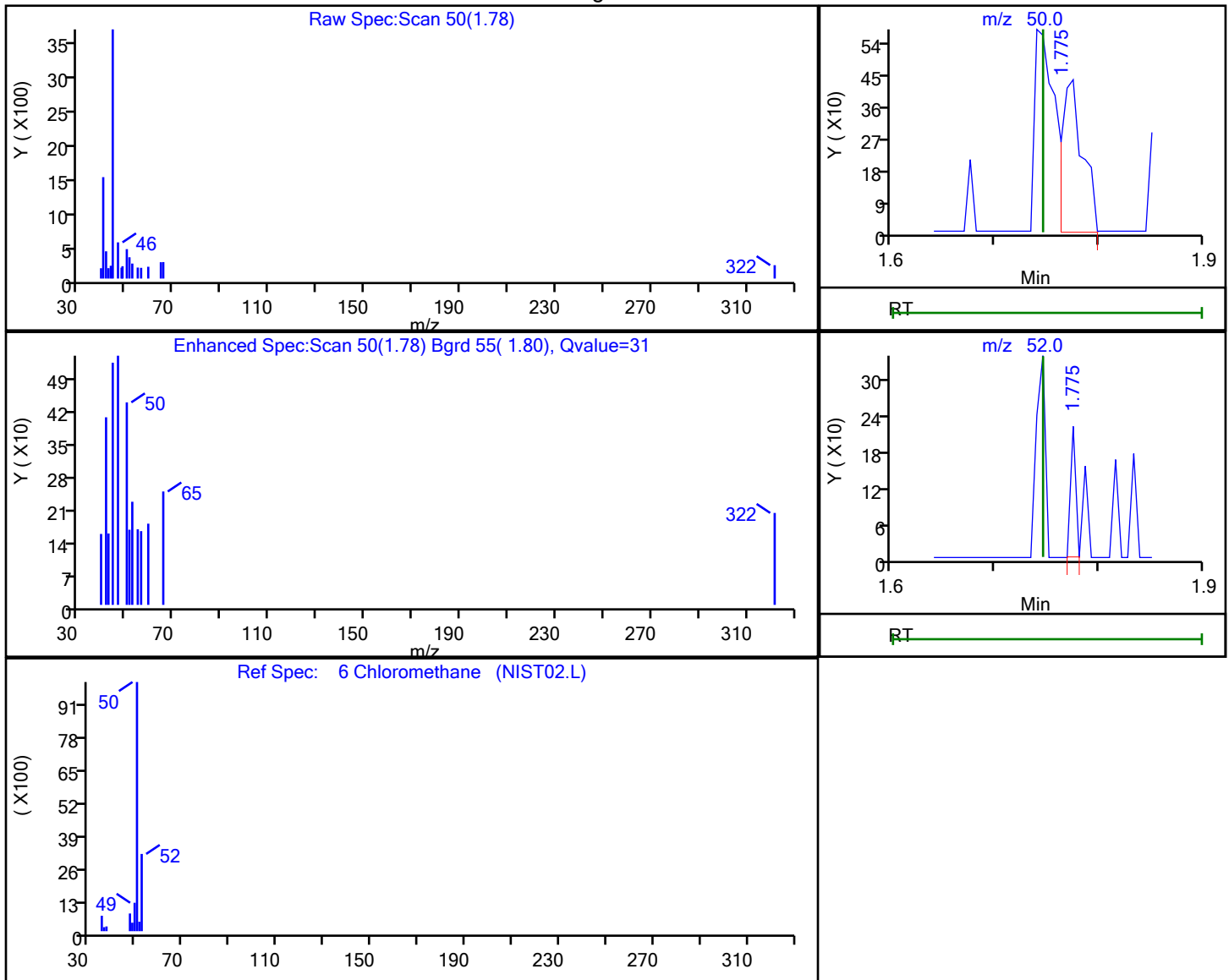
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.78	50.00	602	0.106408
1.78	52.00	78	

Reviewer: W9CM, 15-Feb-2024 18:44:27 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

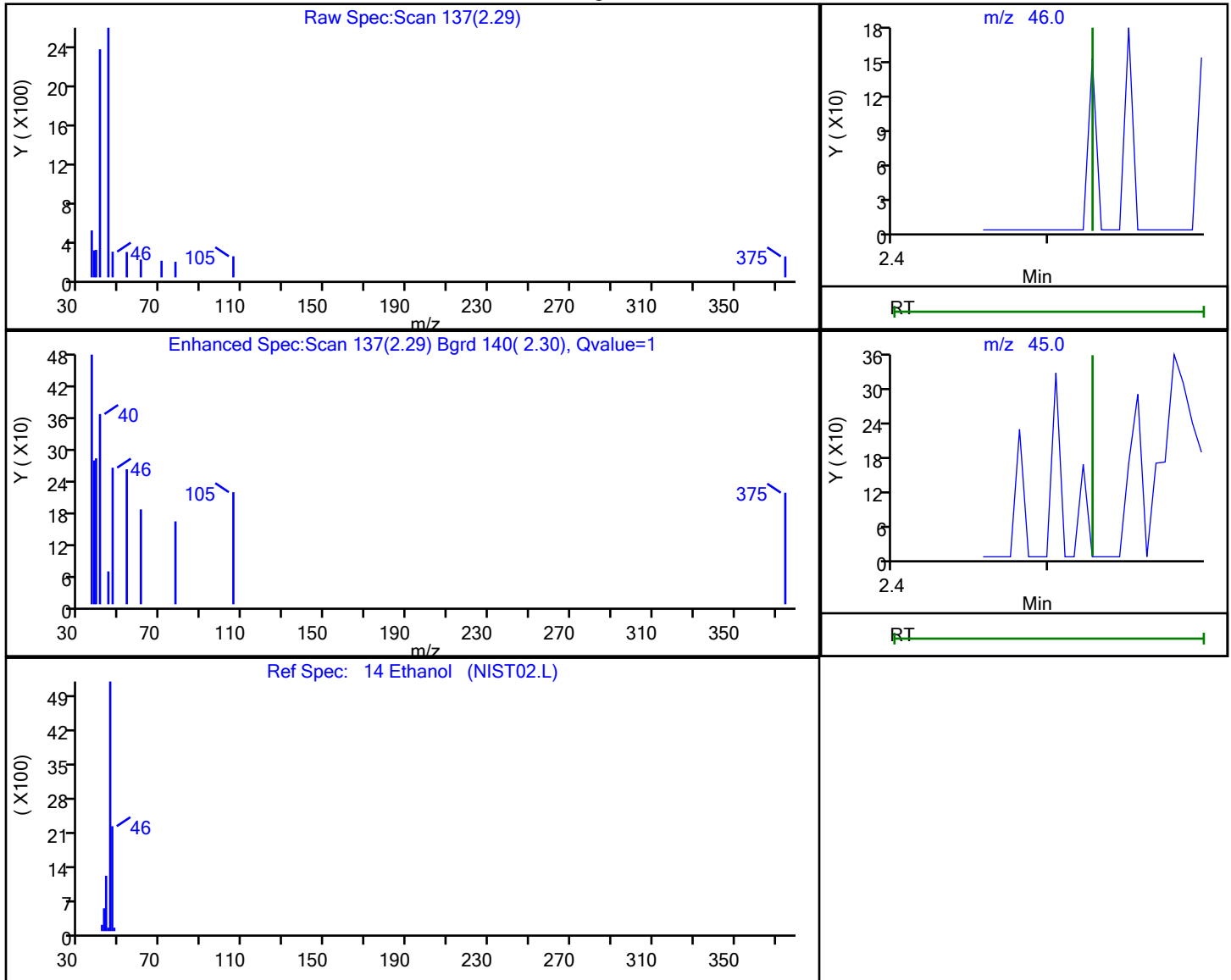
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

14 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.29	46.00	92	10.682678
2.27	45.00	151	

Reviewer: W9CM, 15-Feb-2024 18:44:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

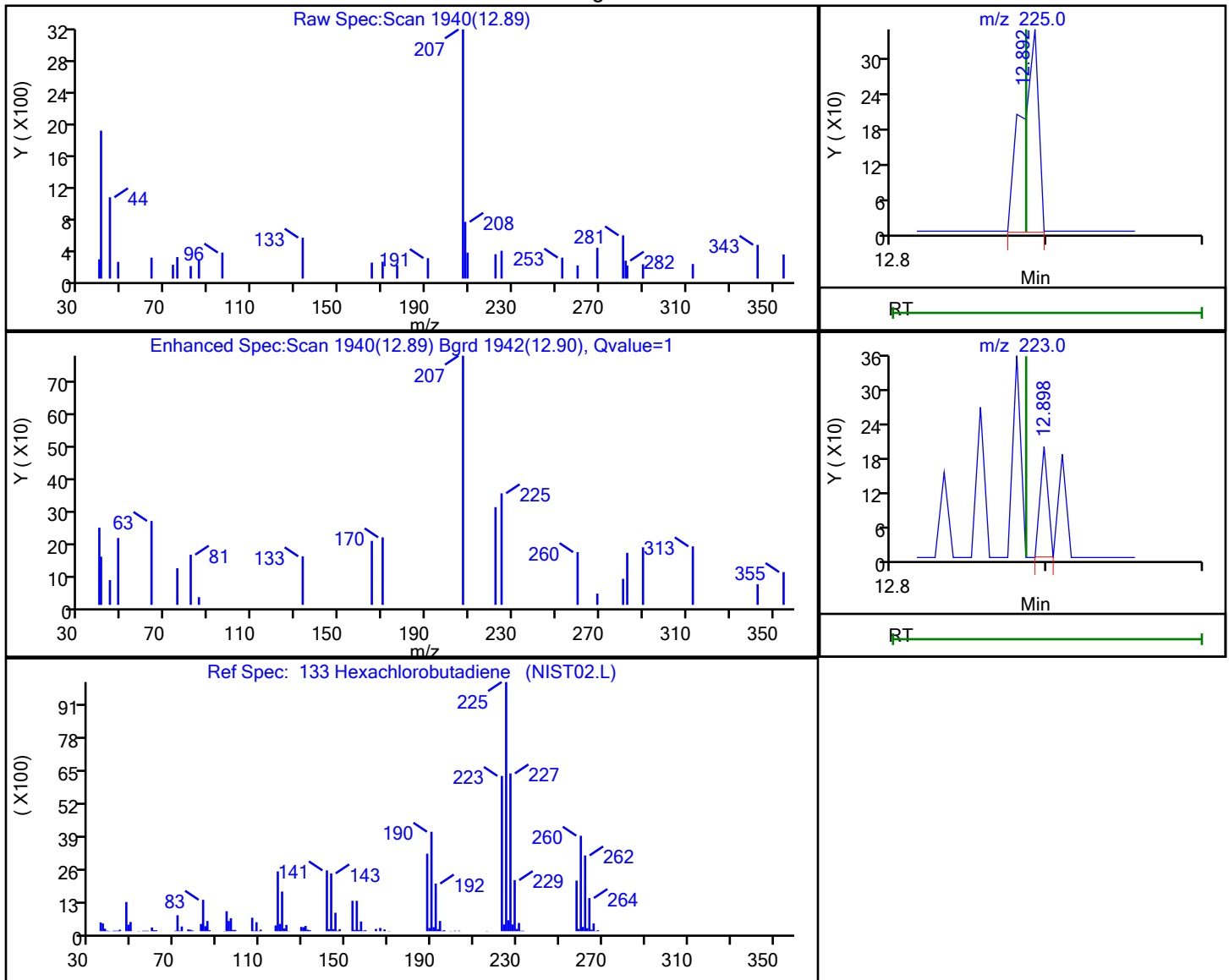
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

133 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.89	225.00	261	0.125927
12.90	223.00	69	

Reviewer: W9CM, 15-Feb-2024 18:45:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

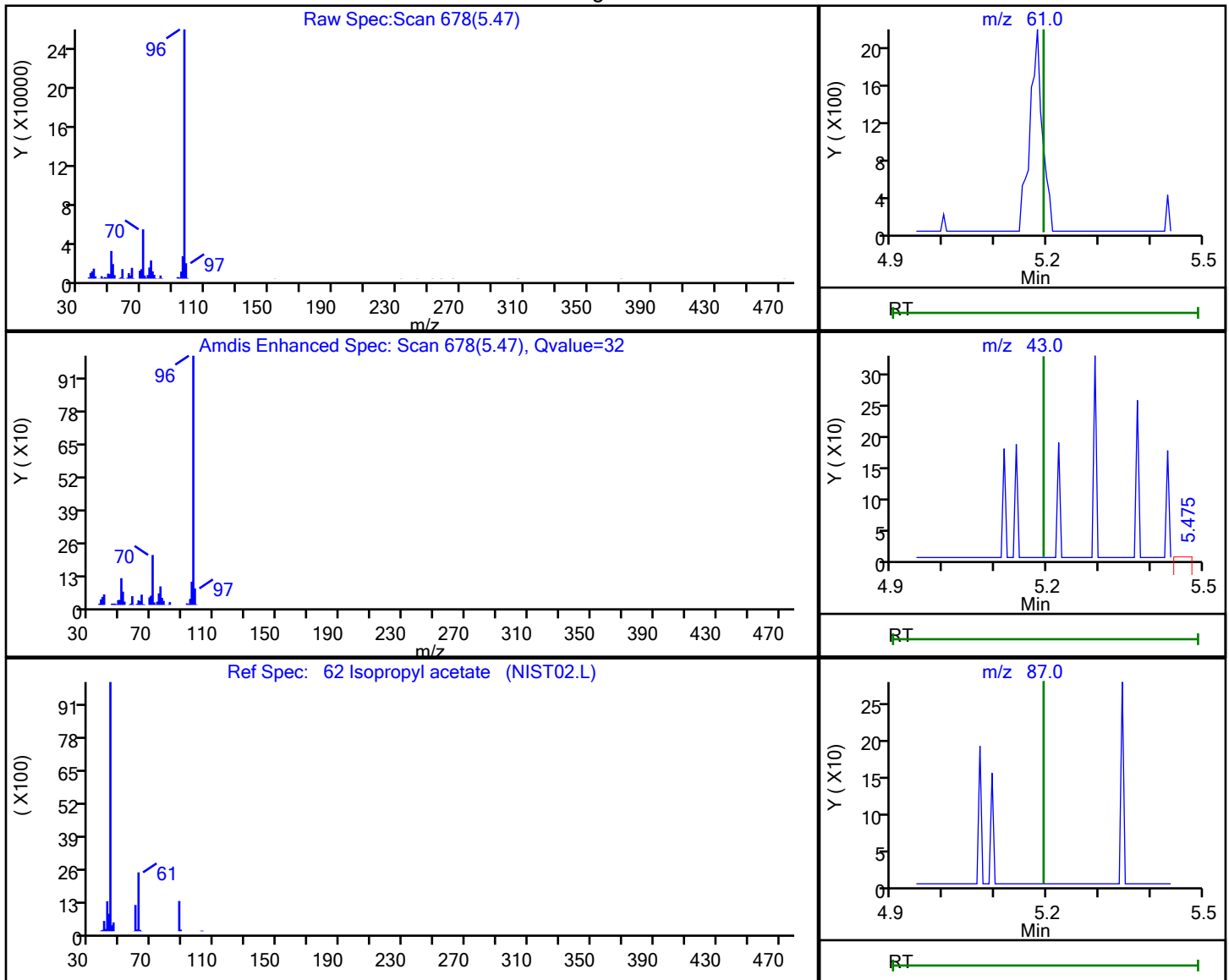
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
5.47	61.00	8794	8.941087
5.47	43.00	343	
5.20	87.00	0	

Reviewer: W9CM, 15-Feb-2024 18:44:44 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

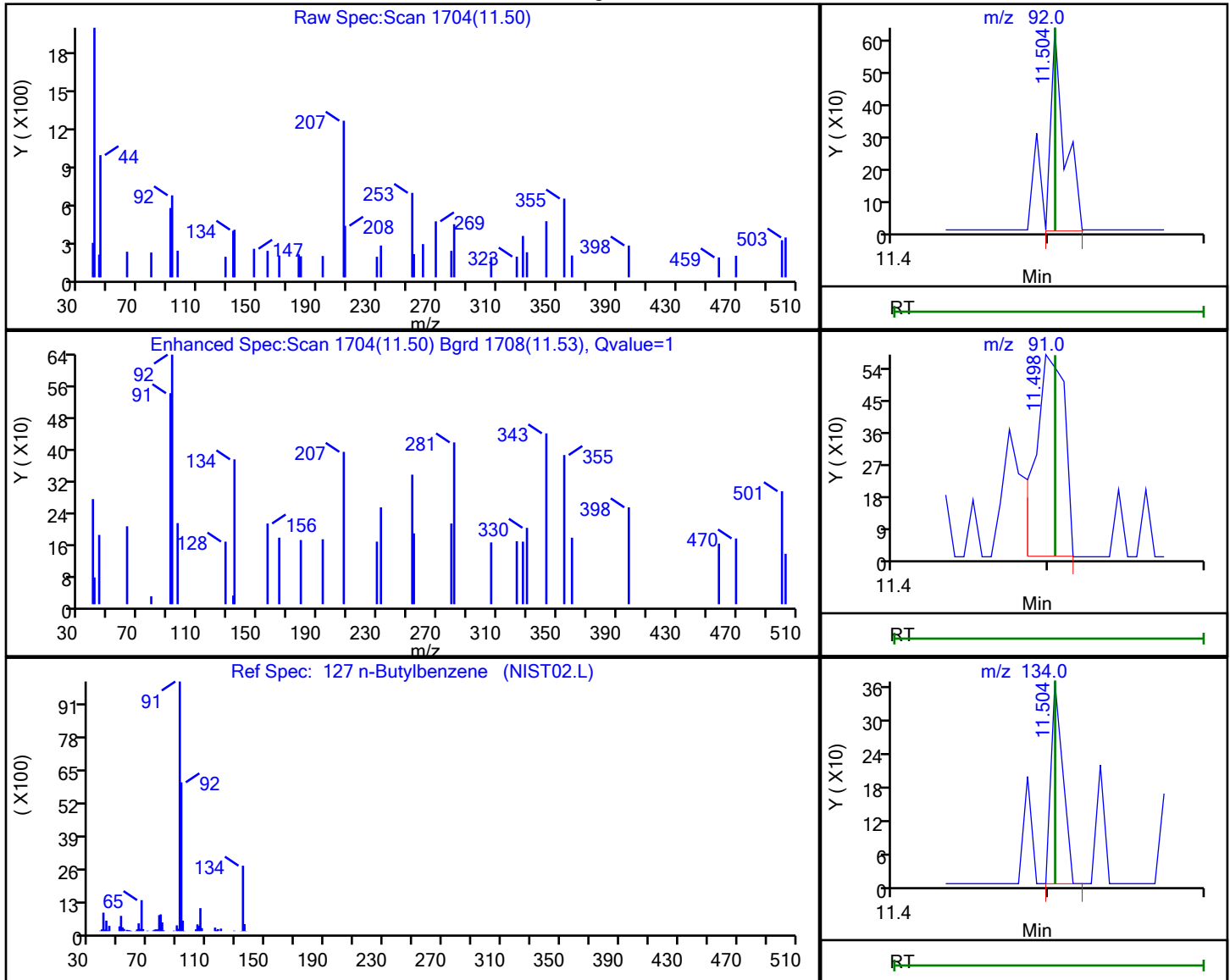
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.50	92.00	388	0.054597
11.50	91.00	745	
11.50	134.00	194	

Reviewer: W9CM, 15-Feb-2024 18:45:28 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

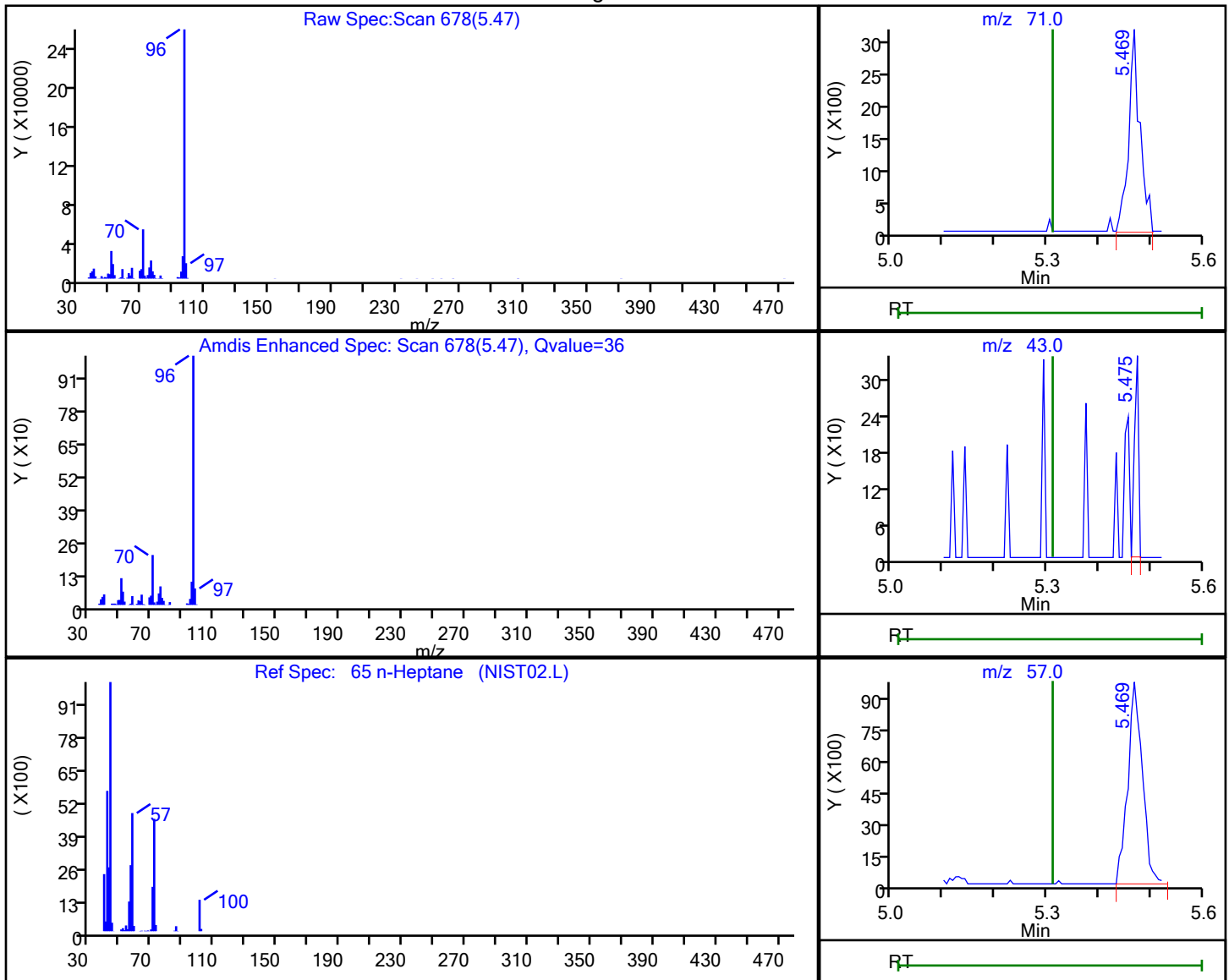
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

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

Processing Results



RT	Mass	Response	Amount
5.47	71.00	4708	2.302391
5.47	43.00	187	
5.47	57.00	19342	

Reviewer: W9CM, 15-Feb-2024 18:44:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

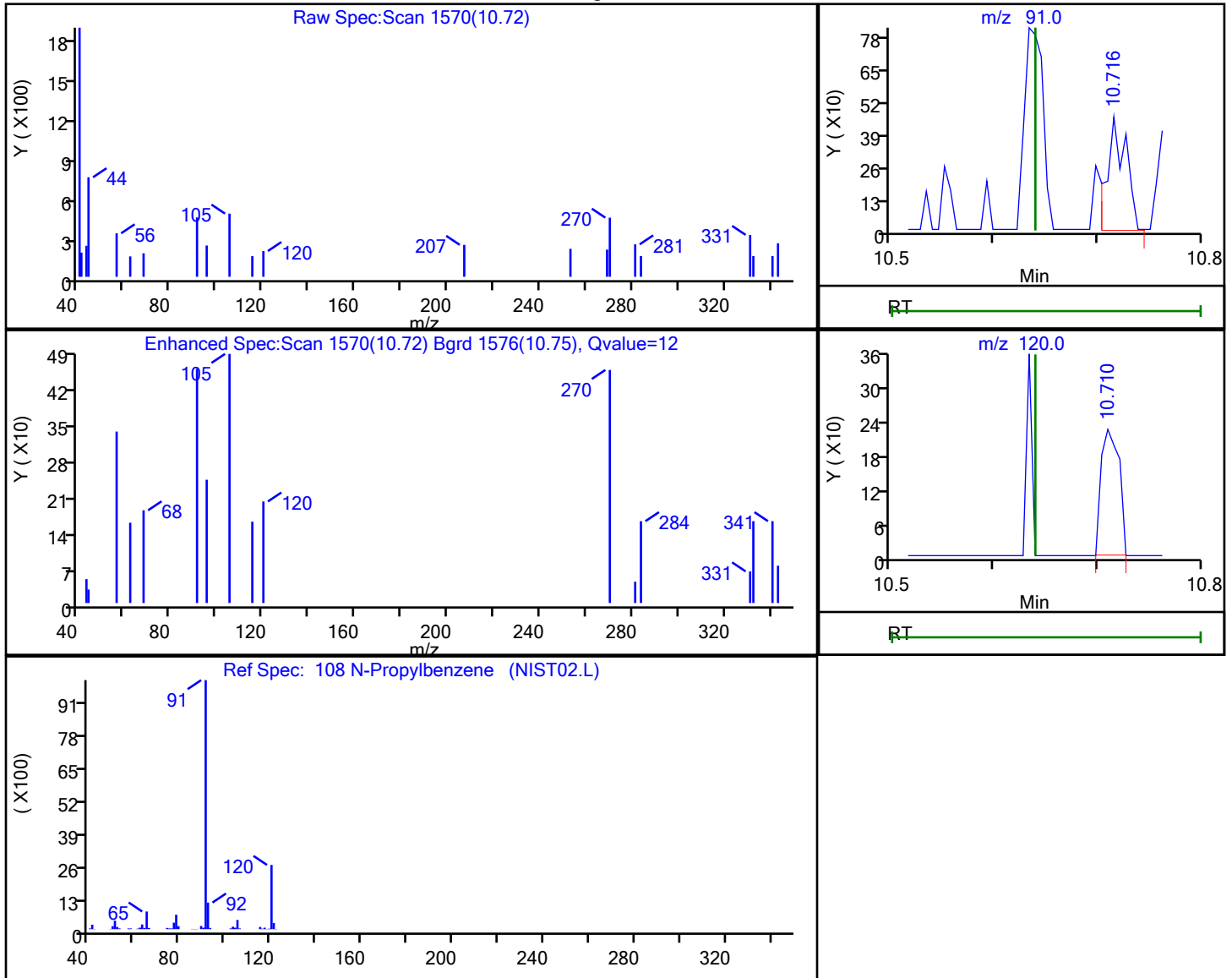
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

108 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
10.72	91.00	569	0.028206
10.71	120.00	272	

Reviewer: W9CM, 15-Feb-2024 18:45:15 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

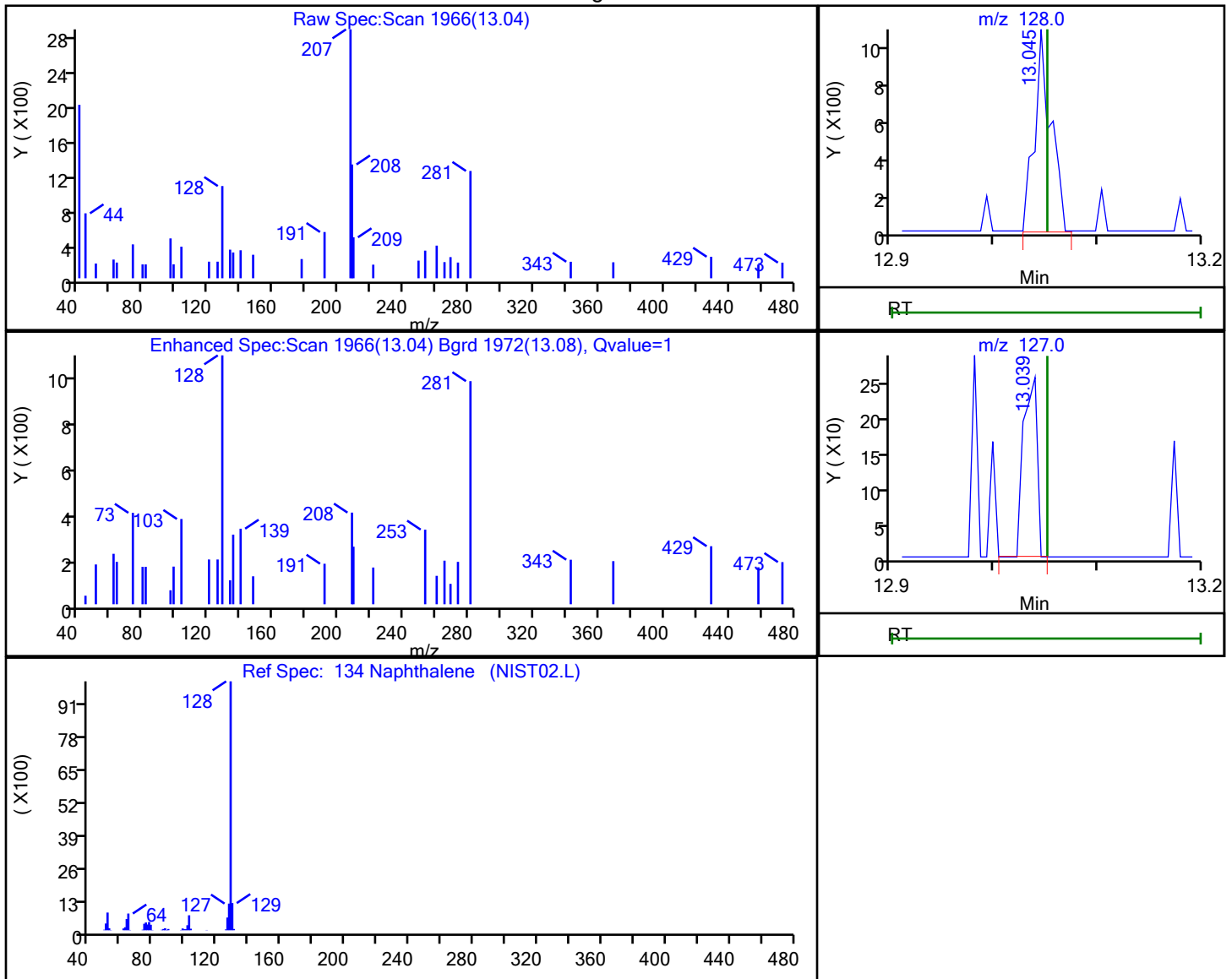
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
13.04	128.00	1152	0.138855
13.04	127.00	233	

Reviewer: W9CM, 15-Feb-2024 18:45:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

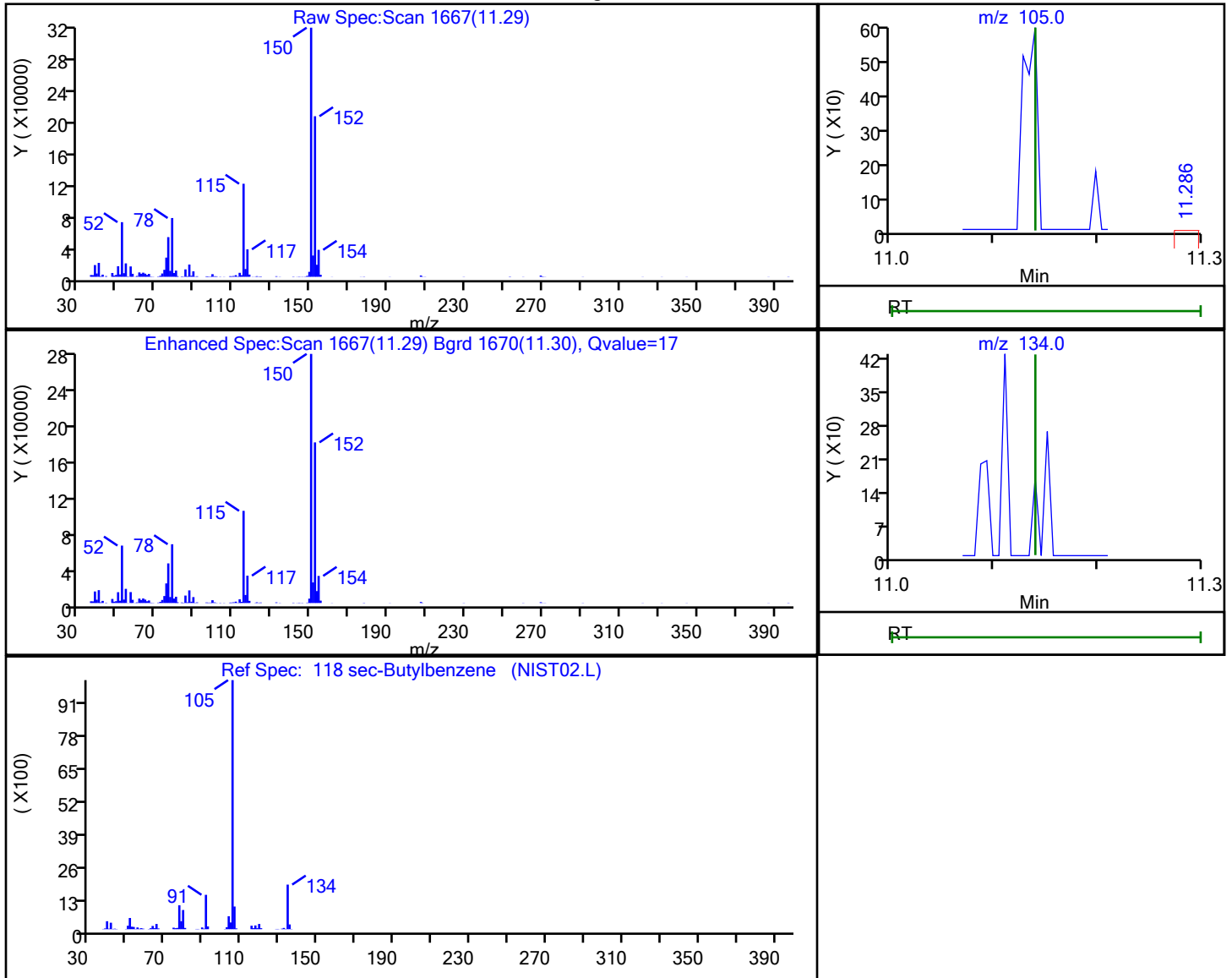
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
11.29	105.00	264	
11.29	134.00	277	0.079792

Reviewer: W9CM, 15-Feb-2024 18:45:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

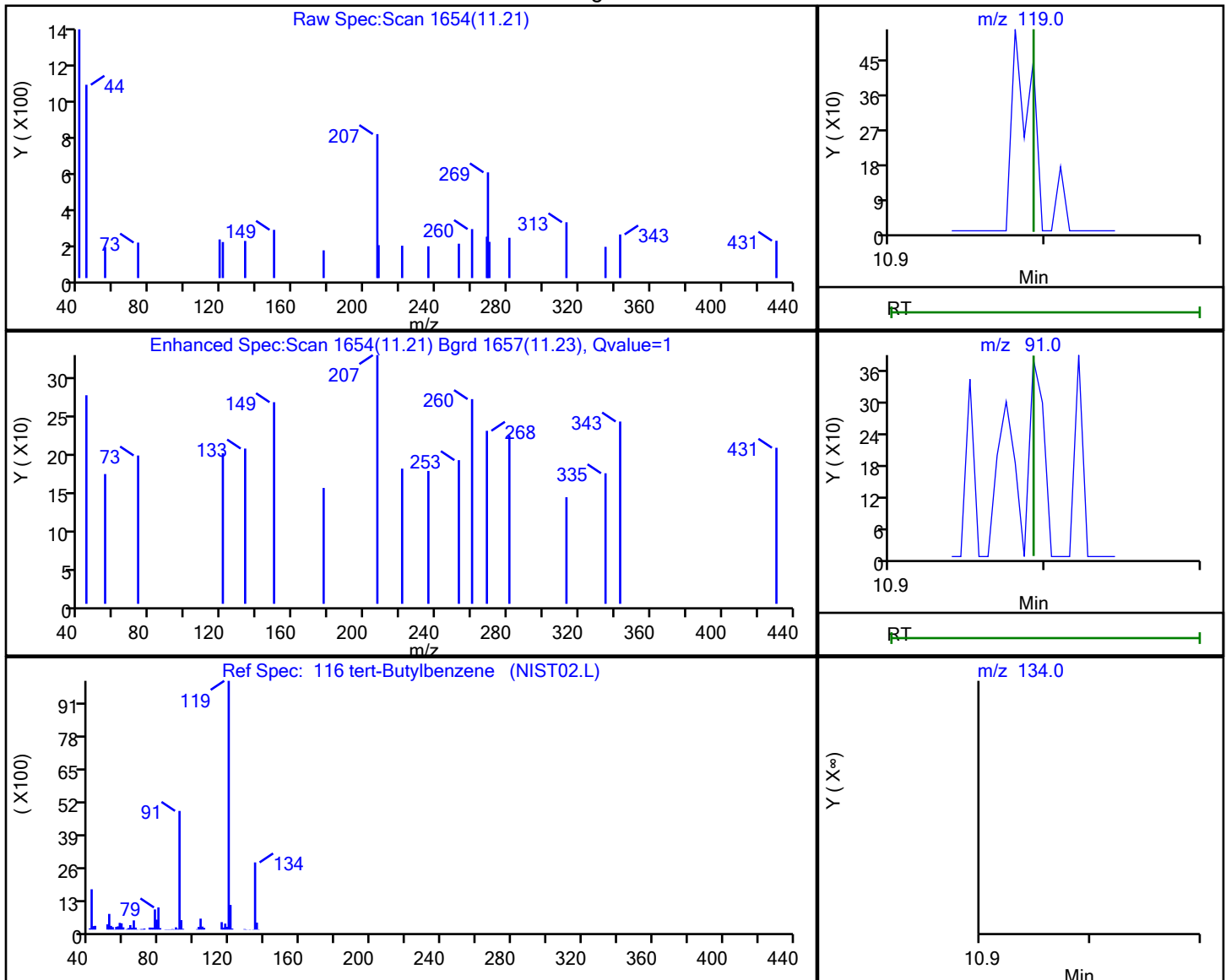
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
11.21	119.00	208	0.017594
11.22	91.00	200	
11.22	134.00	119	

Reviewer: W9CM, 15-Feb-2024 18:45:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

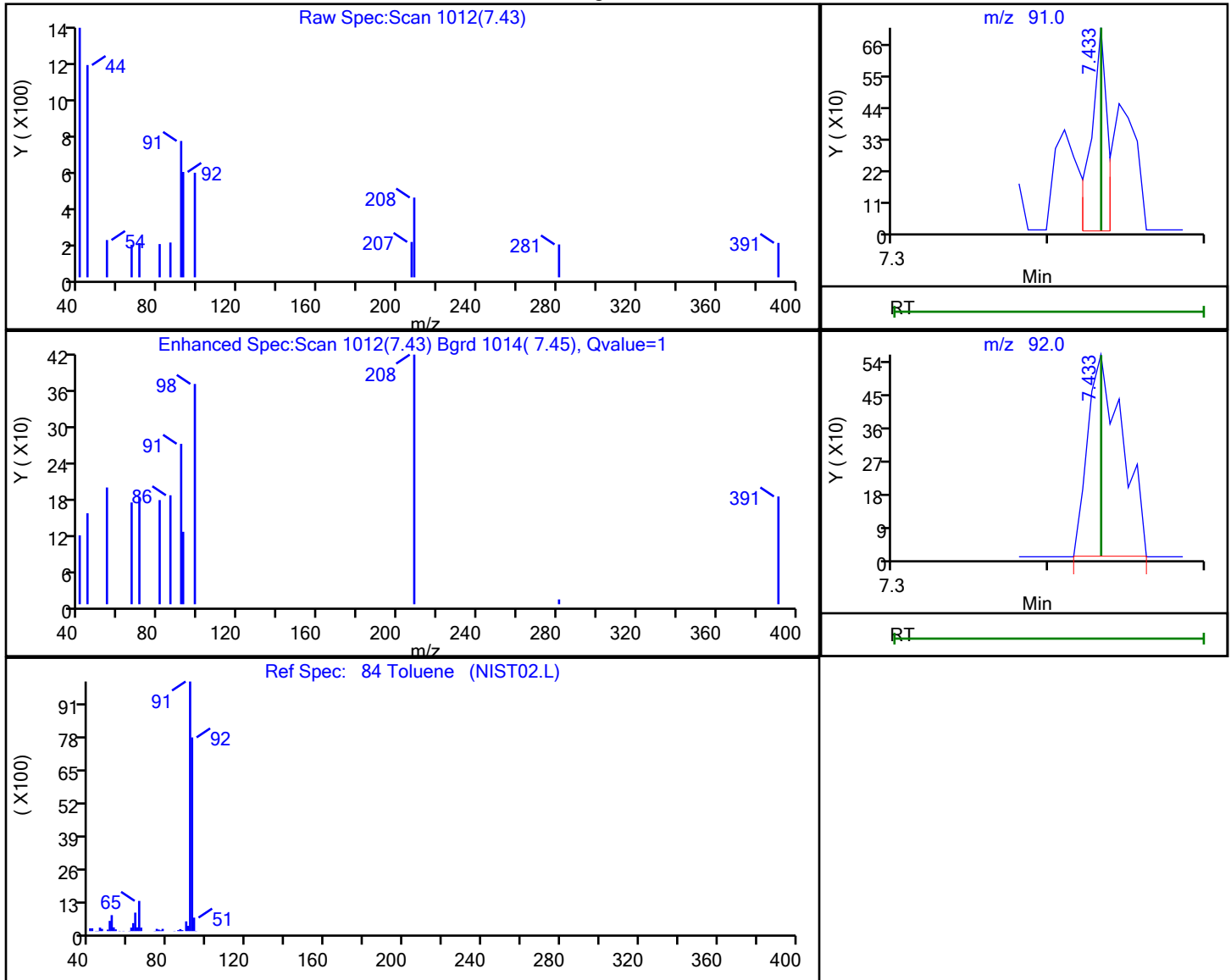
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

84 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
7.43	91.00	518	0.034527
7.43	92.00	854	

Reviewer: W9CM, 15-Feb-2024 18:44:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09700.D

Injection Date: 15-Feb-2024 10:32:30

Instrument ID: CVOAMS1

Lims ID: STD7

Client ID:

Operator ID:

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

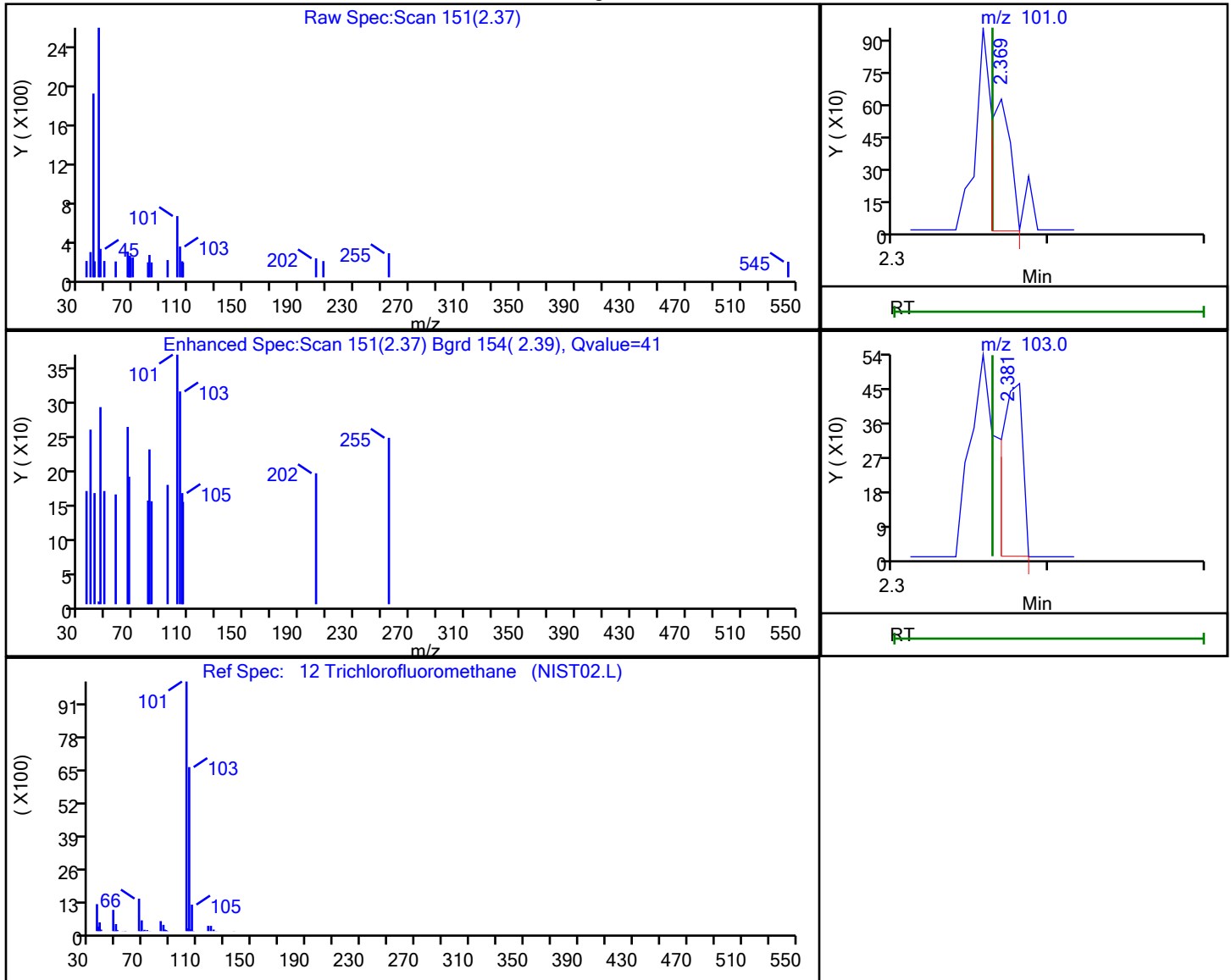
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.37	101.00	551	0.092786
2.38	103.00	428	

Reviewer: W9CM, 15-Feb-2024 18:44:33 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Feb-2024 10:56:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0172348-004
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:29:23 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: W9CM

Date: 15-Feb-2024 18:51:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	19	1212	NC	NC	a
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	96	7070	1.00	1.08	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	56	4377	NC	NC	
6 Chloromethane	50	1.769	1.746	0.023	69	6665	1.00	1.10	a
7 Vinyl chloride	62	1.828	1.828	0.000	96	6089	1.00	1.11	
172 Butadiene	39	1.851	1.852	-0.001	95	5605	1.00	1.02	
9 Bromomethane	94	2.116	2.116	0.000	71	3162	1.00	0.9551	
10 Chloroethane	64	2.199	2.193	0.006	45	2618	1.00	0.9095	
174 Dichlorofluoromethane	67	2.351	2.352	-0.001	97	9265	NC	NC	
12 Trichlorofluoromethane	101	2.369	2.363	0.006	70	5801	1.00	0.9100	
13 Pentane	72	2.410	2.405	0.005	91	1290	2.00	2.35	
14 Ethanol	46	2.528	2.528	0.000	21	358	40.0	48.4	Ma
15 Ethyl ether	59	2.587	2.581	0.006	77	2507	1.00	1.03	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	83	3100	1.00	0.9392	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.610	2.616	-0.006	82	2722	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.669	2.663	0.006	91	4307	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.740	2.746	-0.006	89	3161	1.00	0.9328	
19 Acrolein	56	2.757	2.757	0.000	39	627	4.00	2.60	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	96	3638	1.00	1.11	
22 Acetone	58	2.875	2.863	0.012	50	969	5.00	5.72	
24 Isopropyl alcohol	45	2.922	2.928	-0.006	1	548	10.0	6.64	Ma
23 Iodomethane	142	2.951	2.946	0.005	70	4058	1.00	0.9055	
25 Carbon disulfide	76	2.987	2.987	0.000	98	11754	1.00	1.03	
161 3-Chloro-1-propene	76	3.098	3.099	-0.001	83	2317	1.00	1.07	
27 Methyl acetate	43	3.098	3.099	-0.001	79	4219	2.00	2.98	
166 Cyclopentene	67	3.122	3.122	0.000	87	6836	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	26	2831	10.0	11.1	
* 30 TBA-d9 (IS)	65	3.181	3.175	0.006	0	108167	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	70	3359	1.00	0.9116	
32 2-Methyl-2-propanol	59	3.251	3.252	-0.001	34	1835	10.0	12.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	81	6909	1.00	0.9048	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	84	3972	1.00	1.09	
35 Acrylonitrile	53	3.475	3.475	0.000	98	7022	10.0	9.72	
36 Hexane	43	3.551	3.557	-0.006	89	2761	1.00	0.9745	
37 Isopropyl ether	45	3.763	3.757	0.006	92	9822	1.00	0.8976	
38 1,1-Dichloroethane	63	3.804	3.810	-0.006	97	7329	1.00	1.09	
40 2-Chloro-1,3-butadiene	88	3.857	3.852	0.005	90	2915	NC	NC	
41 Tert-butyl ethyl ether	59	4.075	4.081	-0.006	87	8643	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	-0.001	0	161483	250.0	250.0	
43 2,2-Dichloropropane	97	4.304	4.328	-0.024	27	1069	1.00	0.8681	a
44 cis-1,2-Dichloroethene	96	4.334	4.340	-0.006	74	4271	1.00	1.05	
46 Ethyl acetate	70	4.345	4.346	-0.001	28	131	2.00	1.98	
45 2-Butanone (MEK)	72	4.340	4.346	-0.006	92	1363	5.00	5.83	
47 Methyl acrylate	55	4.410	4.410	0.000	43	2759	NC	NC	
48 Propionitrile	54	4.492	4.493	-0.001	70	2536	NC	NC	a
50 Chlorobromomethane	128	4.581	4.581	0.000	87	1809	1.00	1.00	
49 Tetrahydrofuran	42	4.592	4.587	0.005	42	2117	2.00	2.52	a
51 Methacrylonitrile	67	4.604	4.599	0.005	93	8474	NC	NC	
52 Chloroform	83	4.628	4.622	0.006	90	6796	1.00	1.04	
53 Cyclohexane	56	4.775	4.775	0.000	31	6017	1.00	1.02	
54 1,1,1-Trichloroethane	97	4.781	4.787	-0.006	45	5743	1.00	1.00	
\$ 55 Dibromofluoromethane (Surr)	113	4.792	4.793	-0.001	96	157435	50.0	50.8	
56 Carbon tetrachloride	117	4.904	4.916	-0.012	91	5467	1.00	1.07	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	93	4888	1.00	0.9664	
58 Isobutyl alcohol	43	5.051	5.040	0.011	1	756	NC	NC	Ma
59 Isooctane	57	5.134	5.122	0.012	52	6303	NC	NC	M
60 Benzene	78	5.163	5.163	0.000	43	13826	1.00	1.00	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	159182	50.0	48.1	
62 Isopropyl acetate	61	5.181	5.193	-0.012	33	3677	1.00	3.32	a
63 Tert-amyl methyl ether	87	5.222	5.216	0.006	84	1844	NC	NC	
64 1,2-Dichloroethane	62	5.251	5.257	-0.006	97	4689	1.00	1.06	
65 n-Heptane	71	5.304	5.310	-0.006	74	1001	1.00	0.5272	
* 66 Fluorobenzene	96	5.469	5.469	0.000	98	540512	50.0	50.0	
67 n-Butanol	56	5.775	5.769	0.006	25	605	25.0	17.4	a
68 Trichloroethene	95	5.851	5.857	-0.006	91	4985	1.00	1.24	
69 Ethyl acrylate	99	5.981	5.993	-0.012	81	453	1.00	1.08	a
70 Methylcyclohexane	83	6.004	6.004	0.000	90	5295	1.00	0.9831	
71 1,2-Dichloropropane	63	6.187	6.187	-0.001	28	3682	1.00	1.02	M
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	15854	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.257	-0.006	57	3383	2.00	2.08	
75 1,4-Dioxane	88	6.310	6.298	0.012	1	811	50.0	40.0	
74 n-Propyl acetate	43	6.316	6.310	0.006	27	2531	1.00	0.8193	
76 Dibromomethane	93	6.322	6.328	-0.006	63	2134	1.00	1.09	
77 Dichlorobromomethane	83	6.481	6.487	-0.006	98	5131	1.00	1.03	
79 2-Nitropropane	41	6.863	6.875	-0.012	37	1291	NC	NC	
80 Epichlorohydrin	57	6.998	6.992	0.006	17	3151	20.0	19.2	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	90	4959	1.00	0.9010	
82 4-Methyl-2-pentanone (MIBK)	43	7.239	7.251	-0.012	95	8316	5.00	4.57	M
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	566016	50.0	48.9	
84 Toluene	91	7.433	7.434	-0.001	97	14540	1.00	0.9886	
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	70	4079	1.00	0.8744	
85 Ethyl methacrylate	69	7.875	7.875	0.000	34	1635	NC	NC	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	42	2461	1.00	1.08	M
88 Tetrachloroethene	166	8.180	8.169	0.011	78	4050	1.00	1.03	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	86	4762	1.00	1.05	
90 2-Hexanone	58	8.480	8.481	-0.001	41	2432	5.00	3.92	M
91 n-Butyl acetate	73	8.639	8.628	0.011	60	151	1.00	0.9882	
92 Chlorodibromomethane	129	8.692	8.698	-0.006	35	3430	1.00	1.06	
93 Ethylene Dibromide	107	8.875	8.881	-0.006	22	2136	1.00	0.8535	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	87	436717	50.0	50.0	
95 Chlorobenzene	112	9.433	9.439	-0.006	95	10012	1.00	1.04	
96 Ethylbenzene	106	9.527	9.528	-0.001	96	5372	1.00	1.03	
97 1,1,1,2-Tetrachloroethane	131	9.533	9.534	-0.001	44	2576	1.00	0.8021	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	5923	1.00	0.9246	
99 n-Butyl acrylate	73	10.016	10.004	0.012	31	953	1.00	0.5535	M
100 o-Xylene	106	10.022	10.028	-0.006	92	5899	1.00	0.9382	
101 Styrene	104	10.045	10.051	-0.006	92	9316	1.00	0.9093	
102 Amyl acetate (mixed isomers)	43	10.204	10.198	0.006	13	1512	1.00	1.02	a
103 Bromoform	173	10.222	10.228	-0.006	52	1848	1.00	0.9545	
104 Isopropylbenzene	105	10.322	10.322	0.000	94	14912	1.00	0.9411	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	91	186466	50.0	49.7	
107 Bromobenzene	156	10.592	10.592	0.000	94	4238	1.00	1.01	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	43	2138	1.00	0.7740	
108 N-Propylbenzene	91	10.639	10.639	0.000	98	19604	1.00	0.9770	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	48	873	1.00	1.08	
109 trans-1,4-Dichloro-2-butene	53	10.663	10.669	-0.006	37	597	NC	NC	
169 4-Ethyltoluene	105	10.727	10.722	0.005	87	15167	NC	NC	
112 2-Chlorotoluene	91	10.722	10.728	-0.006	95	12874	1.00	0.9589	
113 1,3,5-Trimethylbenzene	105	10.769	10.775	-0.006	93	12370	1.00	0.9177	
115 4-Chlorotoluene	91	10.810	10.810	0.000	96	11791	1.00	0.9688	
114 Butyl Methacrylate	87	10.833	10.839	-0.006	82	1668	1.00	1.02	
116 tert-Butylbenzene	119	10.992	10.992	0.000	96	11855	1.00	1.01	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	96	14639	1.00	1.02	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	98	3356	1.00	0.9719	
119 4-Isopropyltoluene	119	11.233	11.233	0.000	97	13257	1.00	0.9223	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	95	7466	1.00	0.9389	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	96	248010	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	93	7982	1.00	0.9692	
123 1,2,3-Trimethylbenzene	105	11.321	11.316	0.005	93	12694	1.00	0.8938	
124 Benzyl chloride	91	11.416	11.410	0.006	93	3077	1.00	0.6073	a
162 2,3-Dihydroindene	117	11.457	11.457	0.000	93	12996	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	82	7370	NC	NC	
127 n-Butylbenzene	92	11.510	11.504	0.006	90	6435	1.00	0.9103	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	94	7086	1.00	0.9728	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	97	12513	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	10	366	1.00	0.6808	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	92	6161	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	92	4498	1.00	0.9093	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	87	1728	1.00	0.8382	
134 Naphthalene	128	13.051	13.051	0.000	97	7962	1.00	0.9648	
135 1,2,3-Trichlorobenzene	180	13.292	13.286	0.006	92	3652	1.00	0.9218	
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.14	
S 137 Xylenes, Total	100				0		2.00	1.86	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00183	Amount Added: 10.00	Units: uL	
GASES Li_00571	Amount Added: 10.00	Units: uL	
524FREONS_00014	Amount Added: 10.00	Units: uL	
14DIOXINTER_00165	Amount Added: 30.00	Units: uL	
ACROLEIN W_00165	Amount Added: 4.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Operator ID:

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

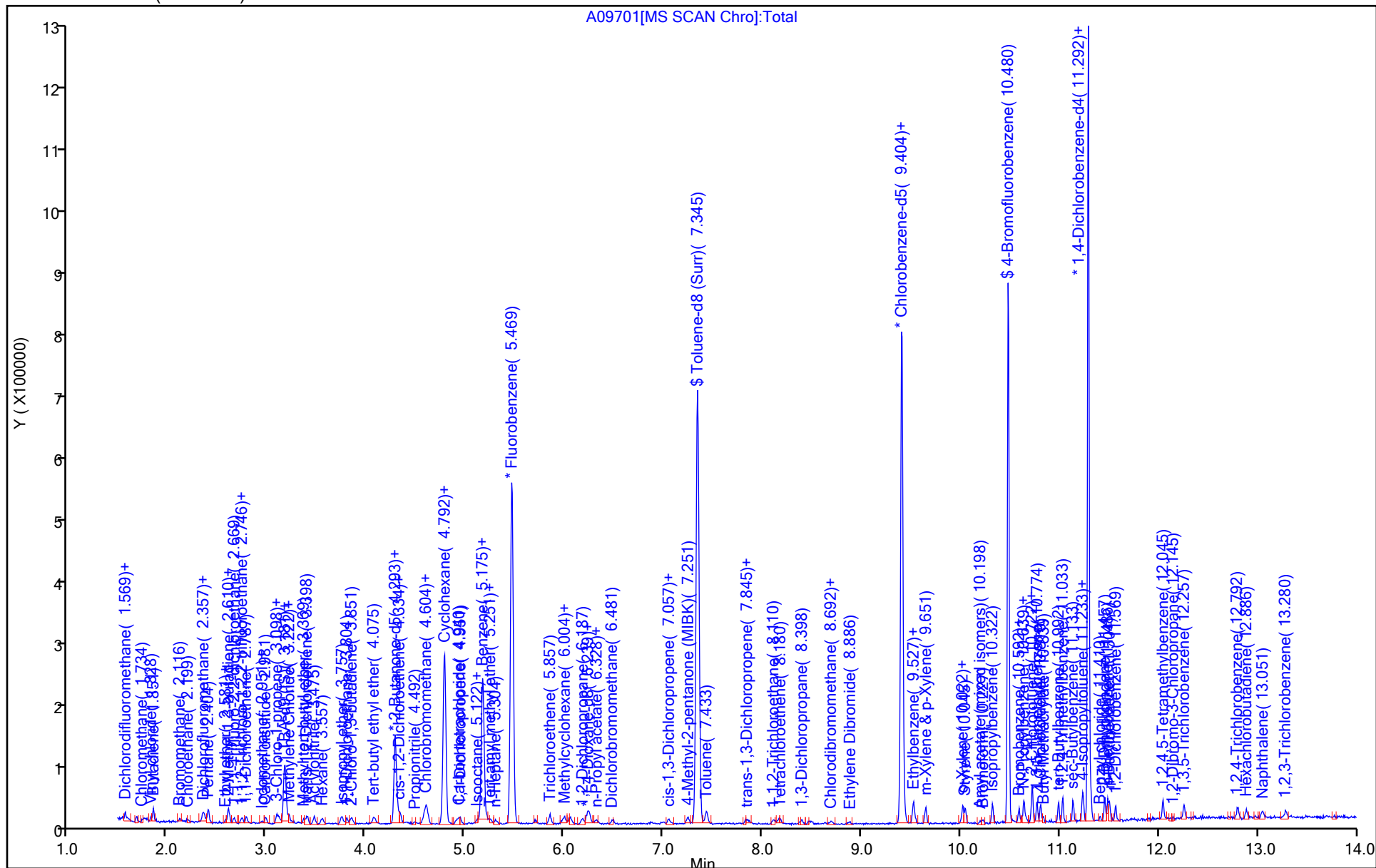
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

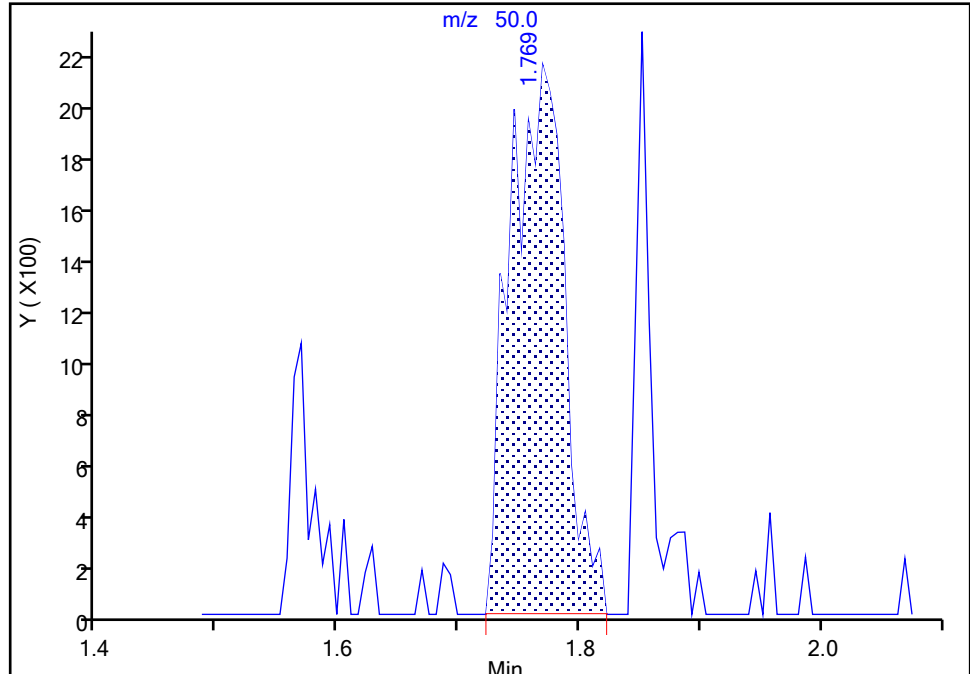
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

6 Chloromethane, CAS: 74-87-3

Signal: 1

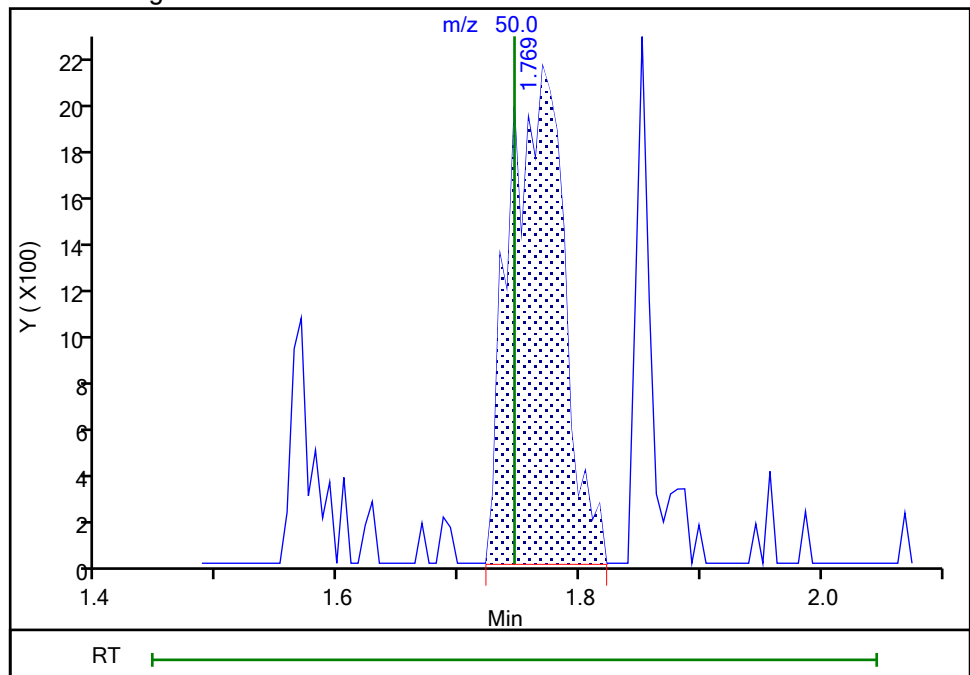
RT: 1.77
Area: 6665
Amount: 1.170679
Amount Units: ug/l

Processing Integration Results



RT: 1.77
Area: 6665
Amount: 1.095379
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:52:54 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

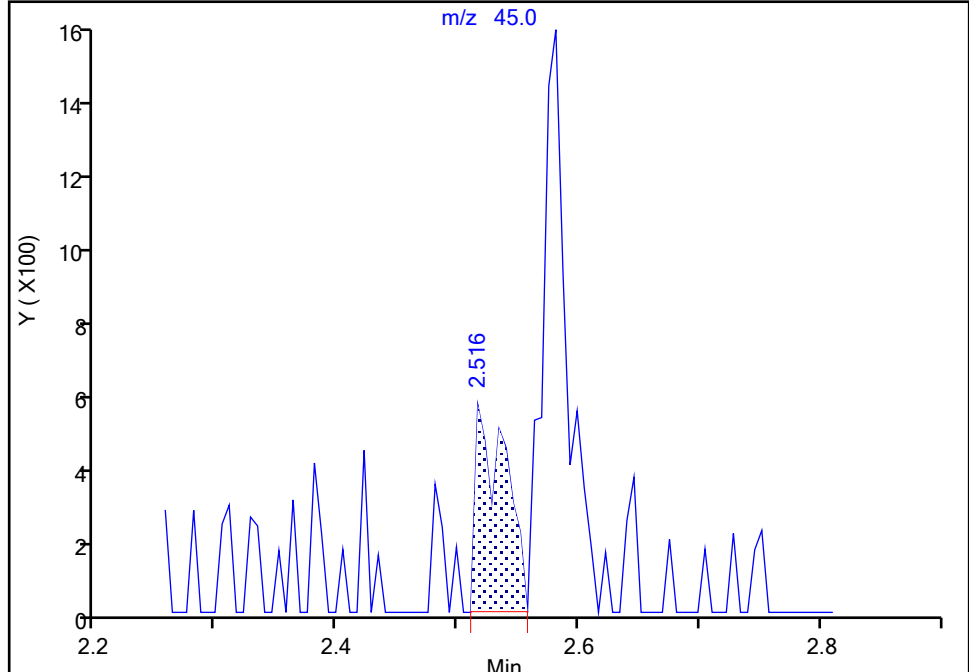
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 2

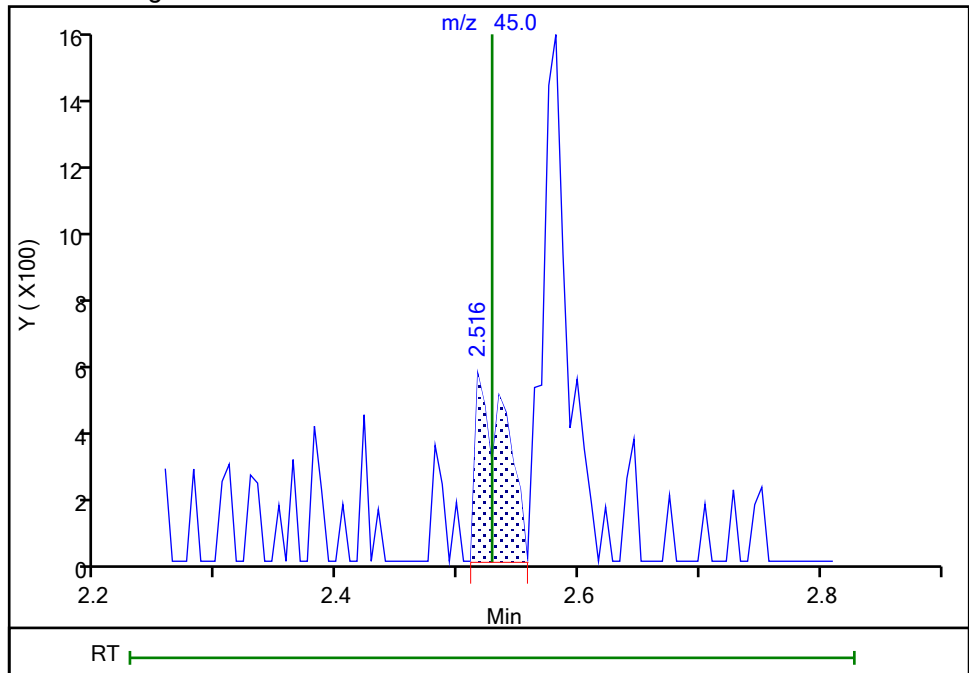
RT: 2.52
Area: 968
Amount: 50.478037
Amount Units: ug/l

Processing Integration Results



RT: 2.52
Area: 968
Amount: 48.419035
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:46:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

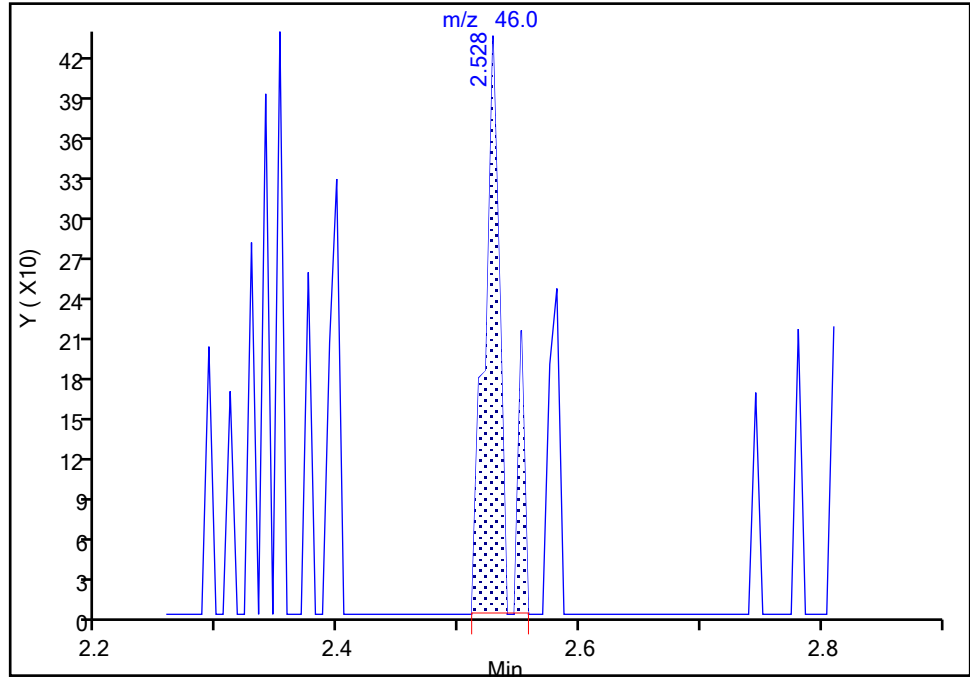
MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

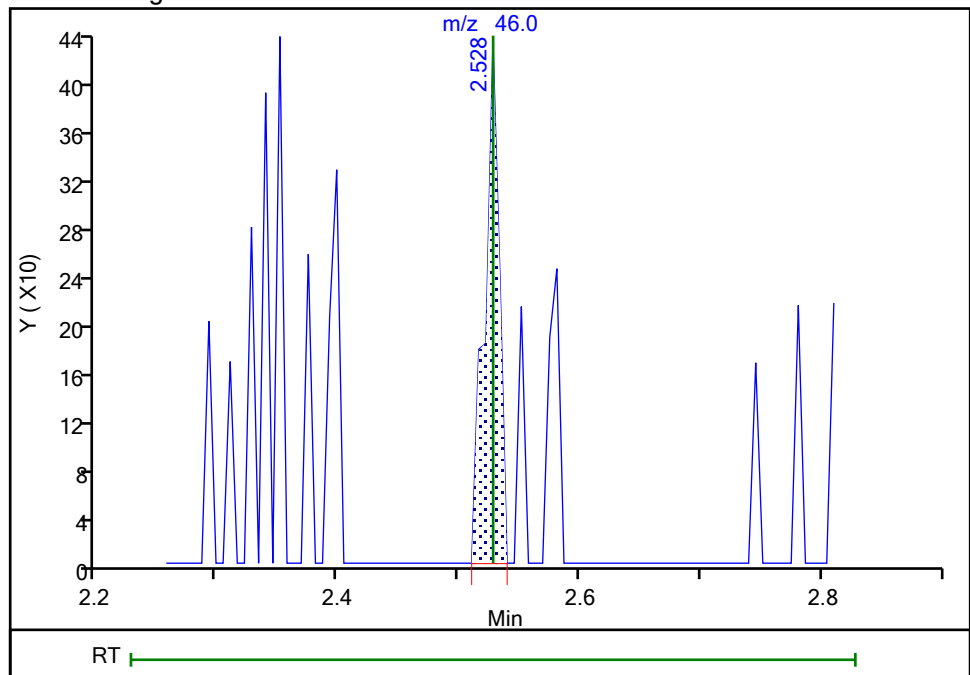
RT: 2.53
Area: 433
Amount: 50.478037
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 358
Amount: 48.419035
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 19:10:29 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

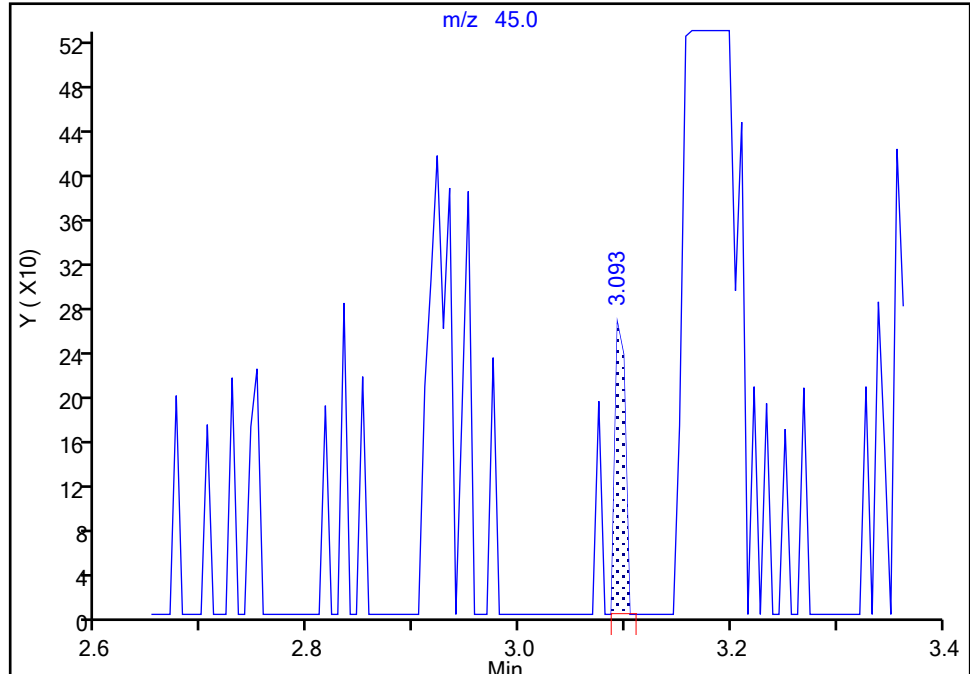
MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

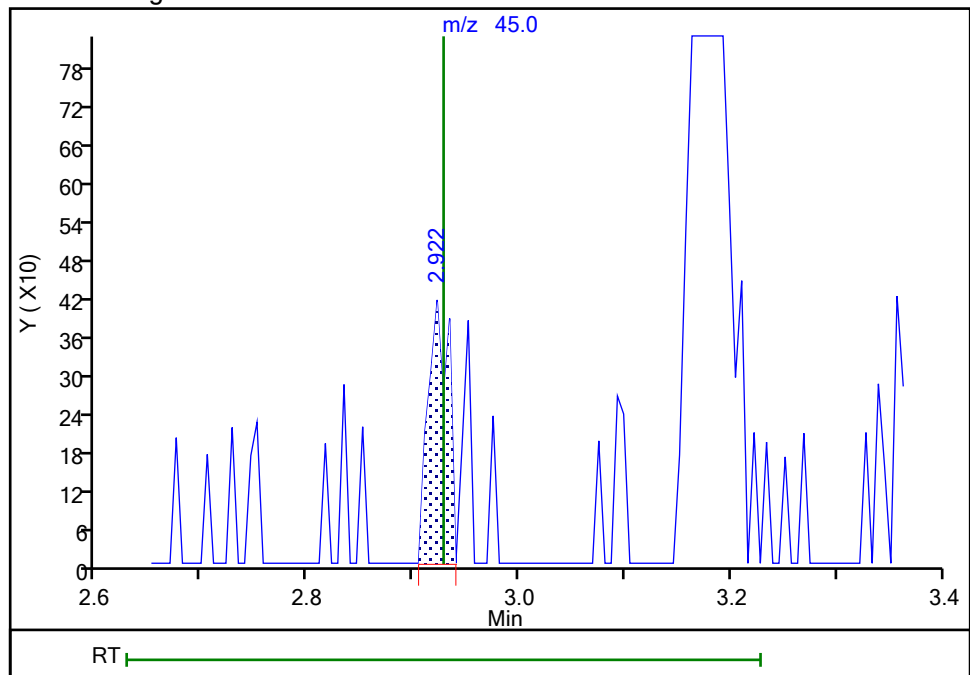
RT: 3.09
Area: 174
Amount: 11.407043
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 548
Amount: 6.635092
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:47:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D		
Injection Date:	15-Feb-2024 10:56:30	Instrument ID:	CVOAMS1
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA 624.1 ICA
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

ALS Bottle#:	3	Worklist Smp#:	4
Dil. Factor:	1.0000		
Limit Group:	VOA 624.1 ICAL		
Detector	MS SCAN		

Signal: 1

Not Detected
Expected RT: 4.33

Chromatogram showing detector response (Y-axis, labeled Y (X10)) versus time (X-axis, labeled Min). The X-axis ranges from 4.0 to 4.6 minutes. The Y-axis ranges from 0 to 52 (multiplied by 10). The chromatogram displays a baseline with four distinct peaks. The peaks are labeled with their retention times: 4.13, 4.31, 4.33, and 4.35 minutes. The peak at 4.33 minutes is the most prominent, reaching a height of approximately 52 (Y (X10)). The peak at 4.35 minutes is also labeled with m/z 97.0.

Retention Time (Min)	Peak Height (Y (X10))	m/z
4.13	~24	-
4.31	~28	-
4.33	~52	97.0
4.35	~46	-

RT: 4.30
Area: 1069
Amount: 0.868129
Amount Units: ug/l

The chromatogram displays detector response (Y, scaled by 10) over time (Min). The x-axis ranges from 4.0 to 4.6 minutes. The y-axis ranges from 0 to 52. A major peak is observed at 4.304 minutes, labeled with '4.304 m/z'. Another peak is labeled '97.0' at approximately 4.32 minutes. A green horizontal line at the bottom indicates the retention time (RT) range from approximately 4.1 to 4.7 minutes. The peak at 4.304 minutes is filled with a blue dotted pattern, and the peak at 97.0 is filled with a green dotted pattern.

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

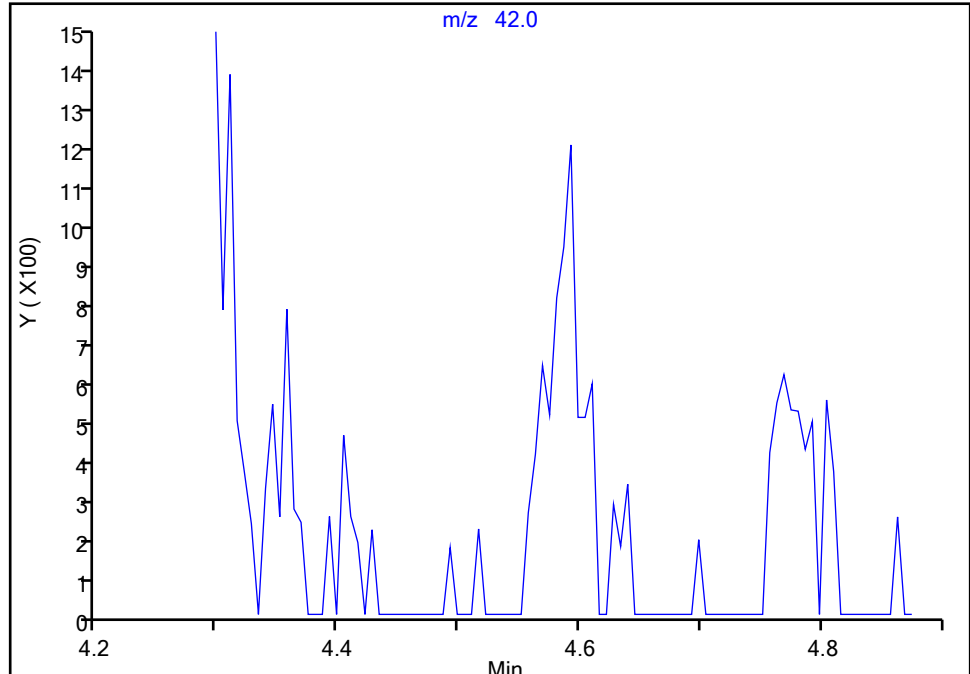
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

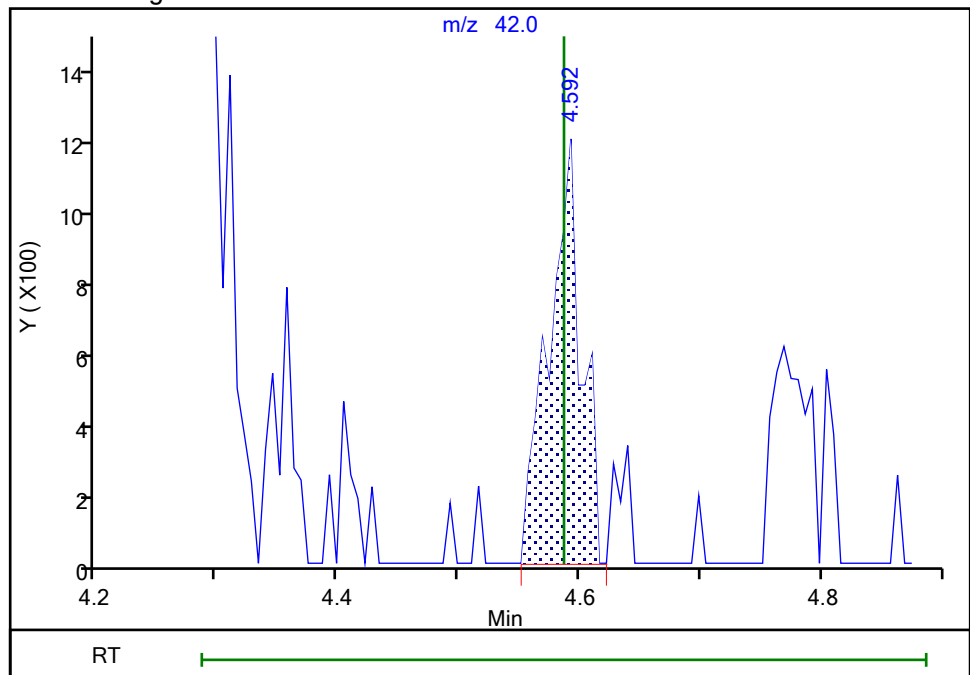
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 2117
Amount: 2.517539
Amount Units: ug/l



Reviewer: W9CM, 15-Feb-2024 18:47:58 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

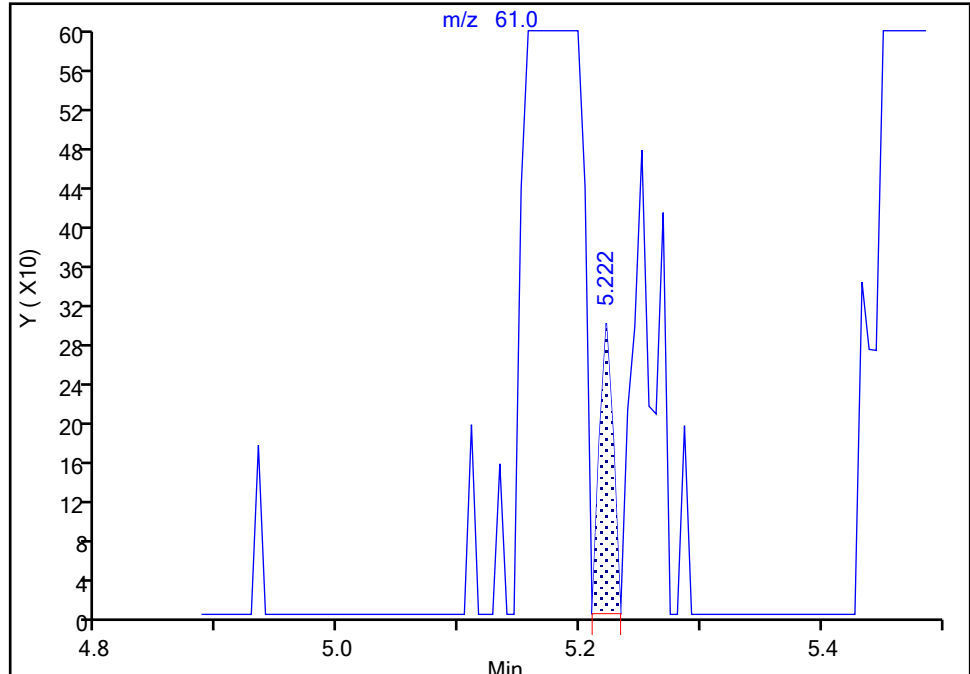
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Signal: 1

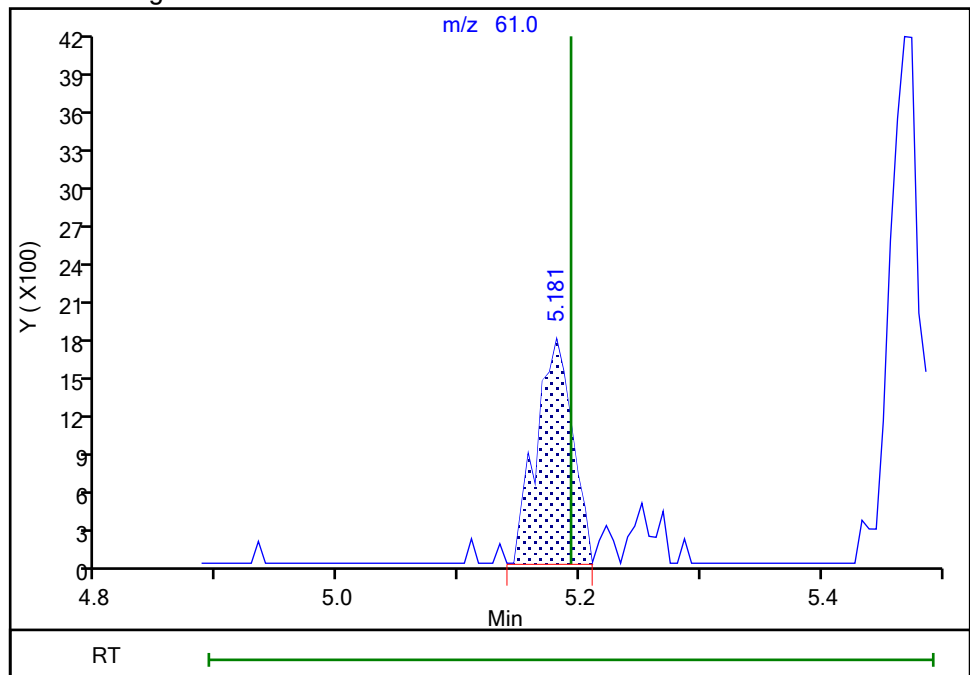
RT: 5.22
Area: 232
Amount: 0.234274
Amount Units: ug/l

Processing Integration Results



RT: 5.18
Area: 3677
Amount: 3.322016
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:49:07 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

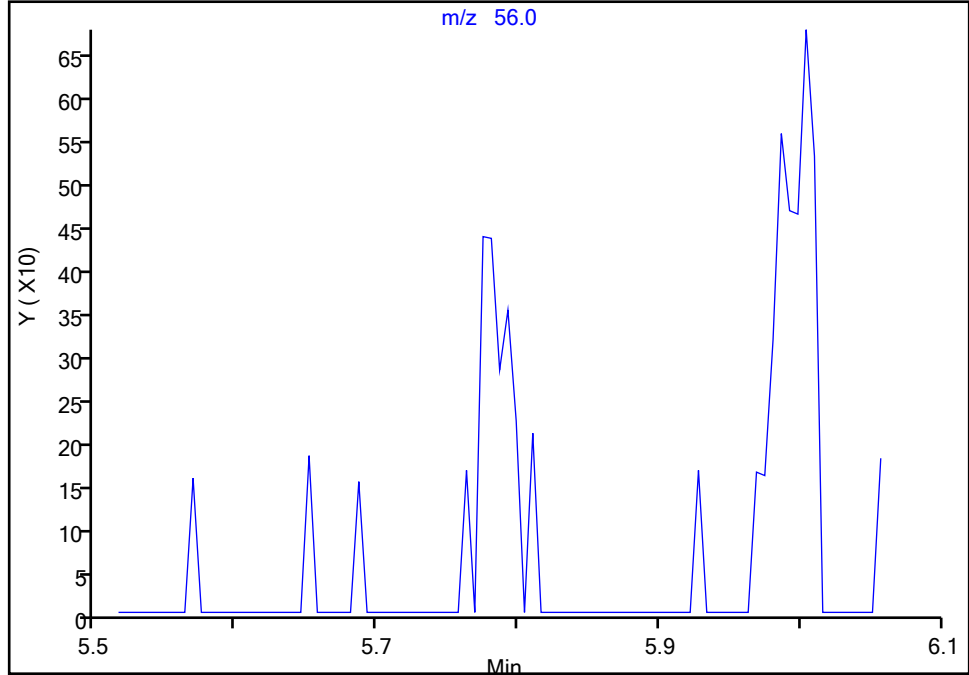
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

67 n-Butanol, CAS: 71-36-3

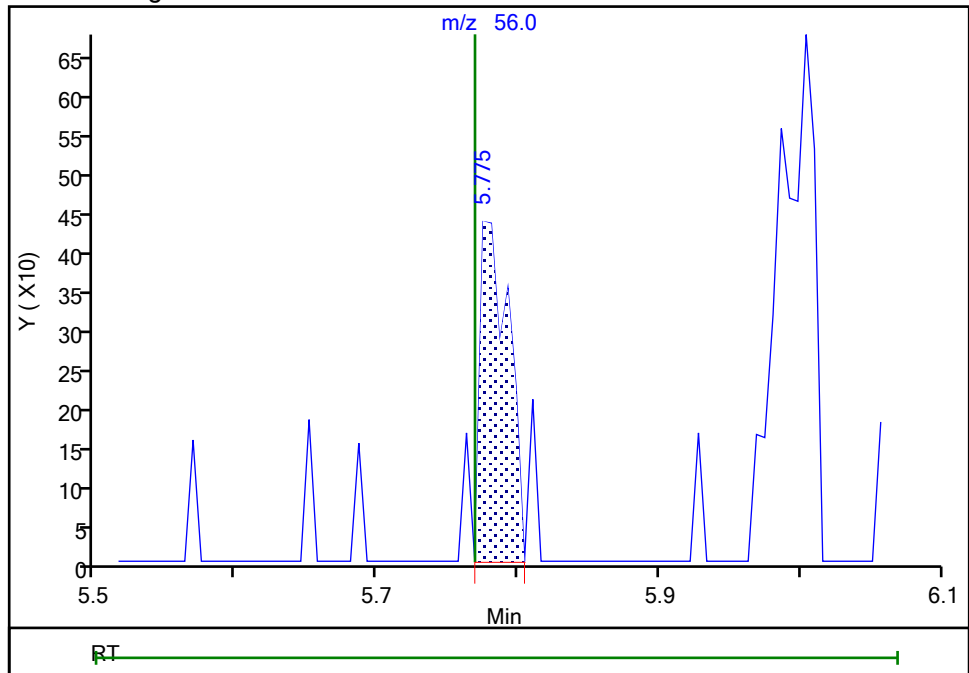
Signal: 1

Not Detected
Expected RT: 5.77

Processing Integration Results



Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:49:26 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

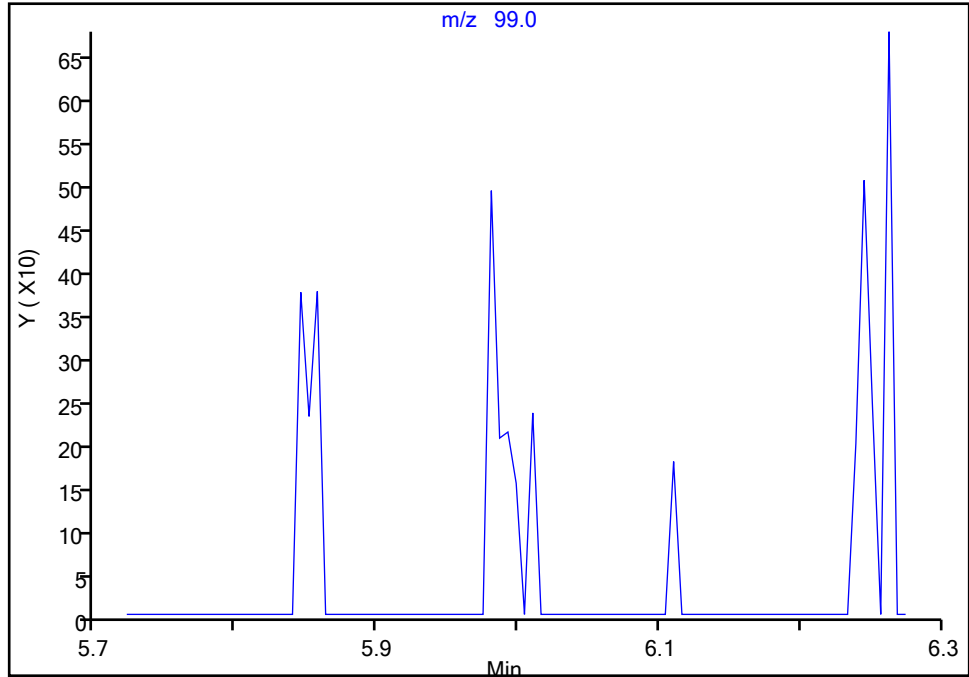
69 Ethyl acrylate, CAS: 140-88-5

Signal: 1

Not Detected

Expected RT: 5.99

Processing Integration Results



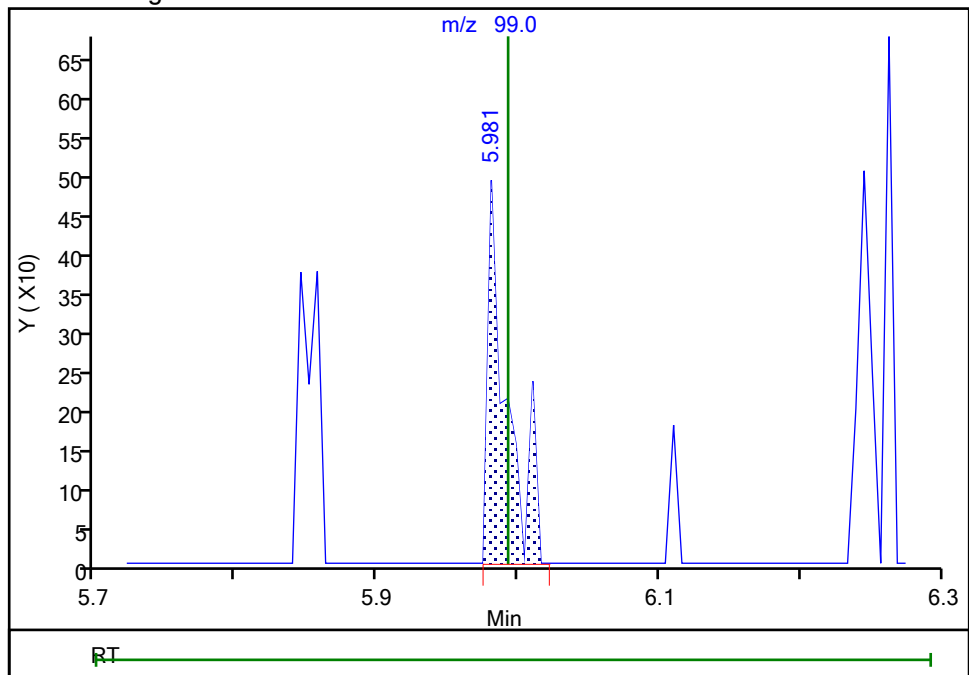
RT: 5.98

Area: 453

Amount: 1.083212

Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:56:05 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

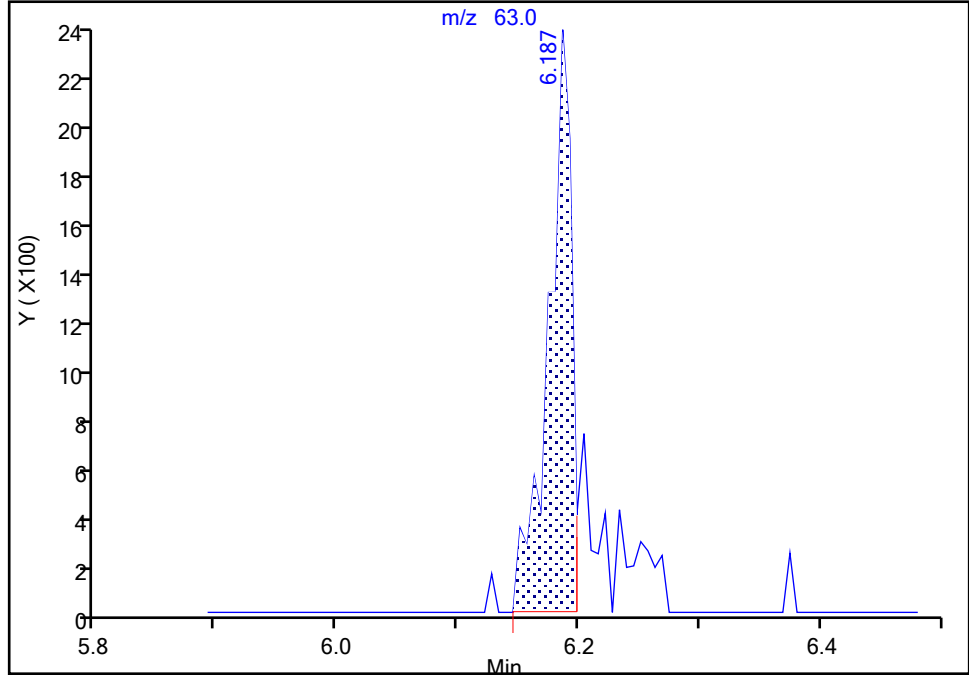
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

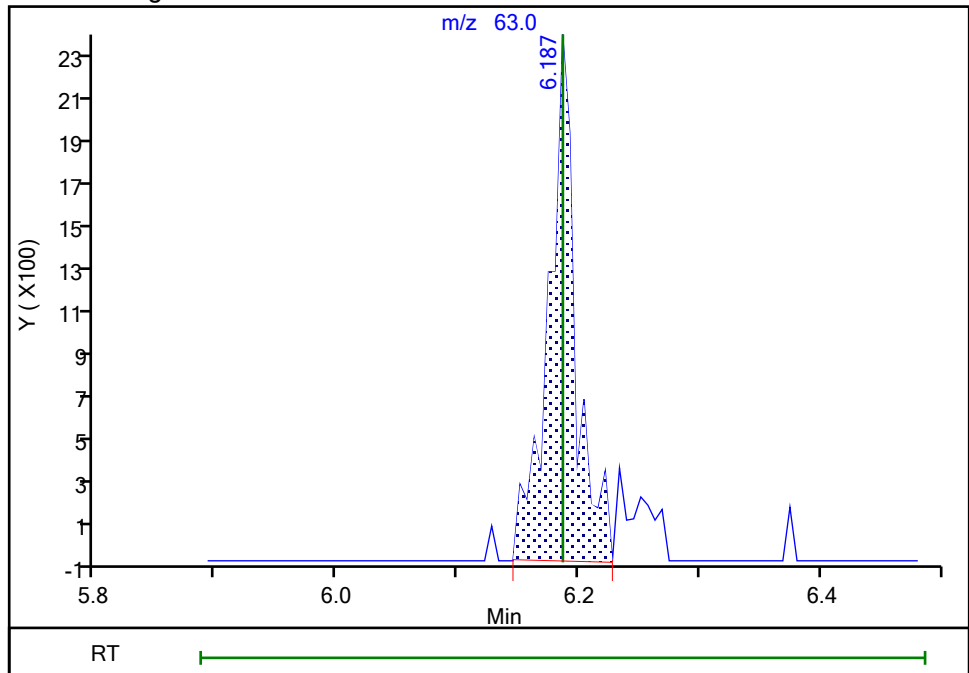
RT: 6.19
Area: 3111
Amount: 0.887036
Amount Units: ug/l

Processing Integration Results



RT: 6.19
Area: 3682
Amount: 1.022110
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:49:52 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

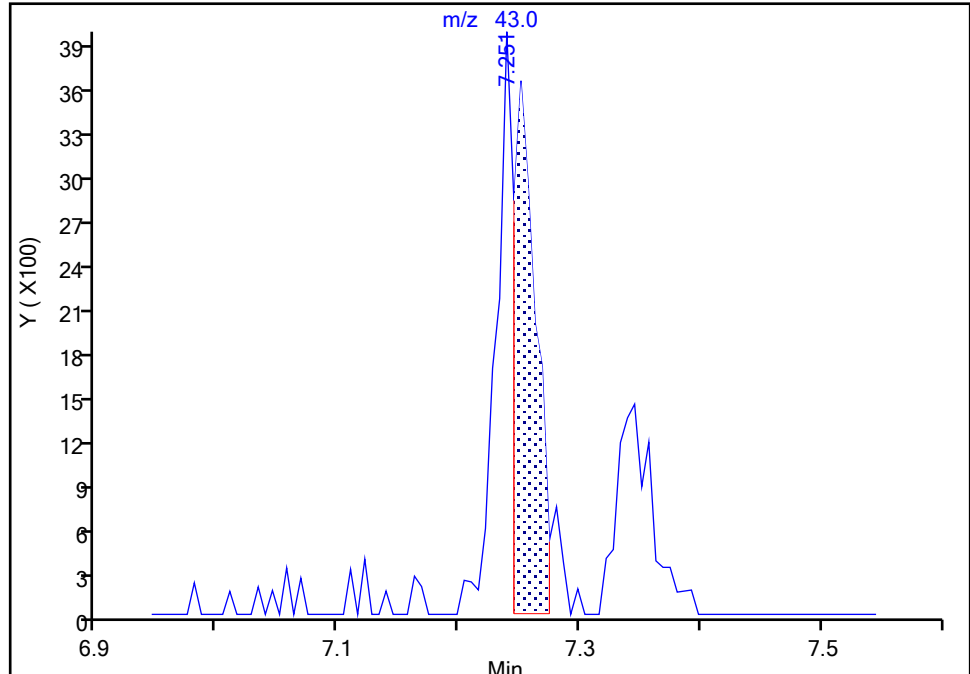
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1
Signal: 1

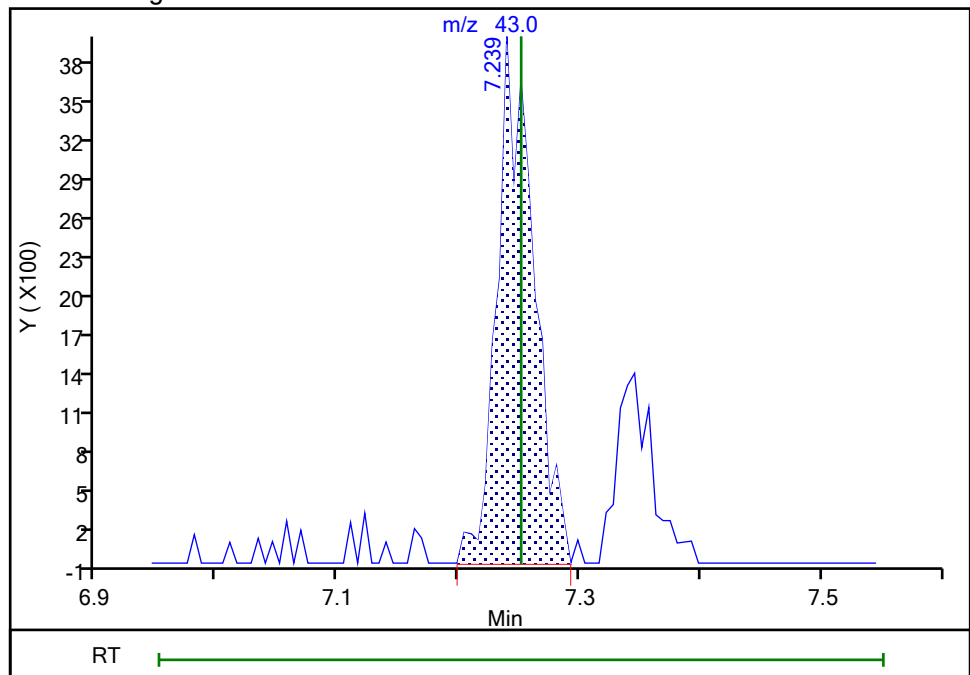
RT: 7.25
Area: 4769
Amount: 2.744188
Amount Units: ug/l

Processing Integration Results



RT: 7.24
Area: 8316
Amount: 4.570211
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 19:13:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

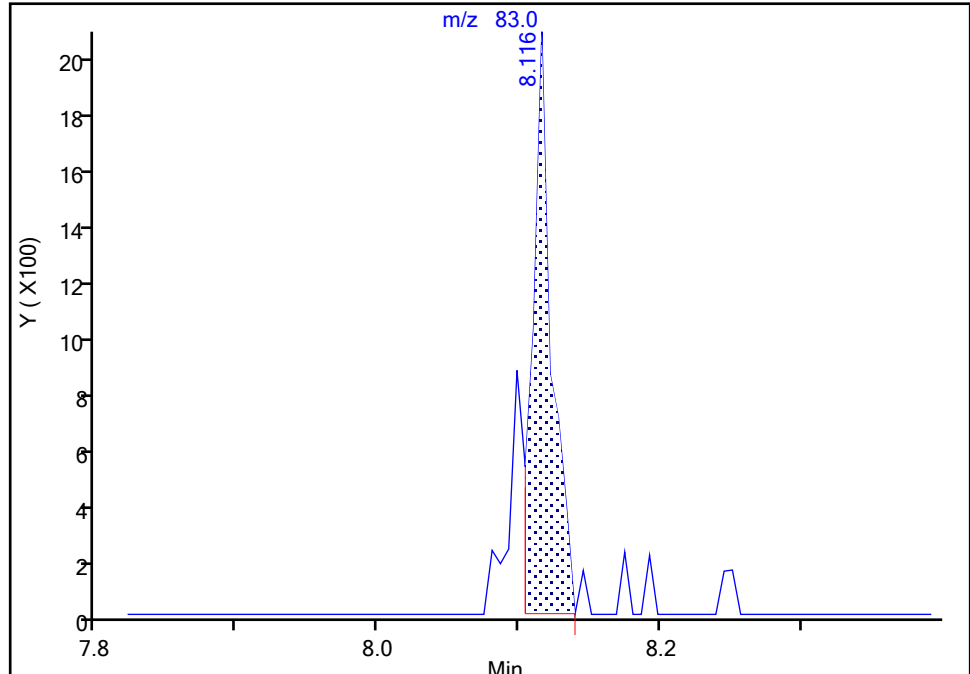
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

87 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

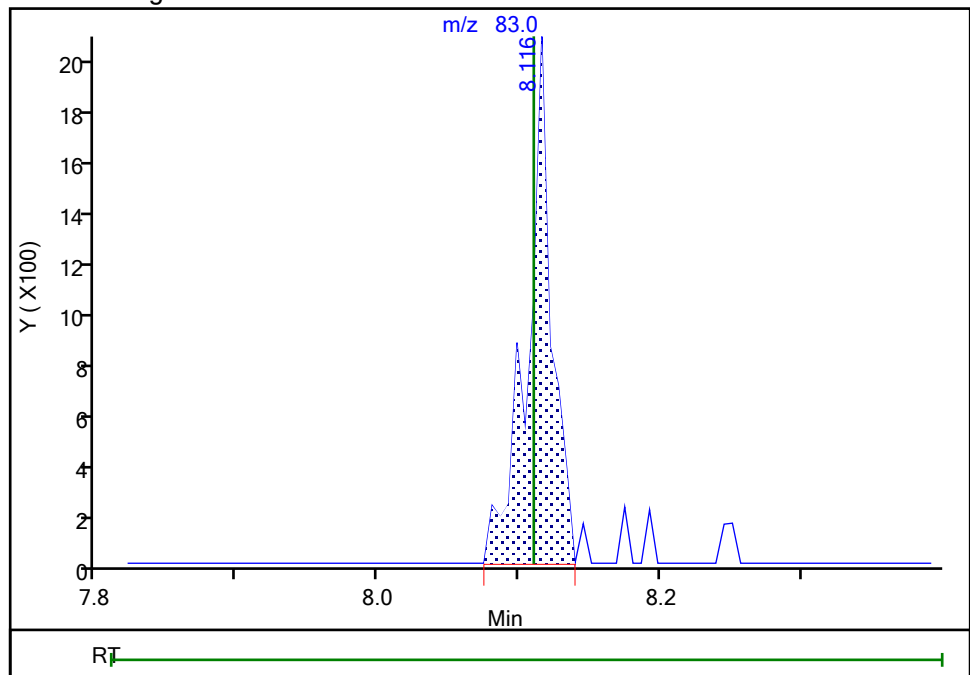
RT: 8.12
Area: 1935
Amount: 0.879175
Amount Units: ug/l

Processing Integration Results



RT: 8.12
Area: 2461
Amount: 1.075333
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:50:28 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

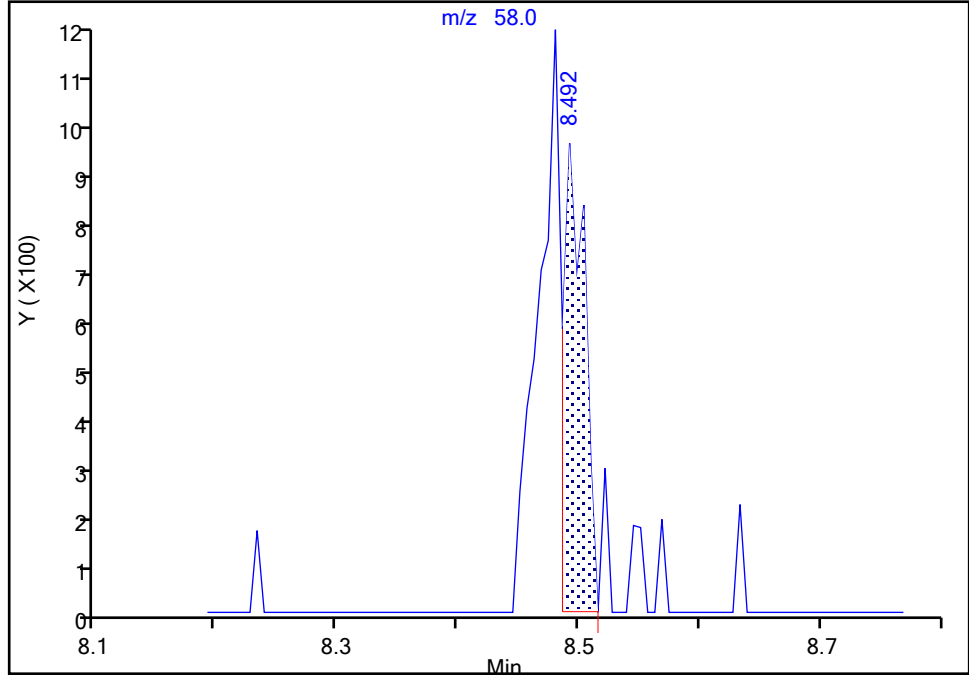
Detector: MS SCAN

90 2-Hexanone, CAS: 591-78-6

Signal: 2

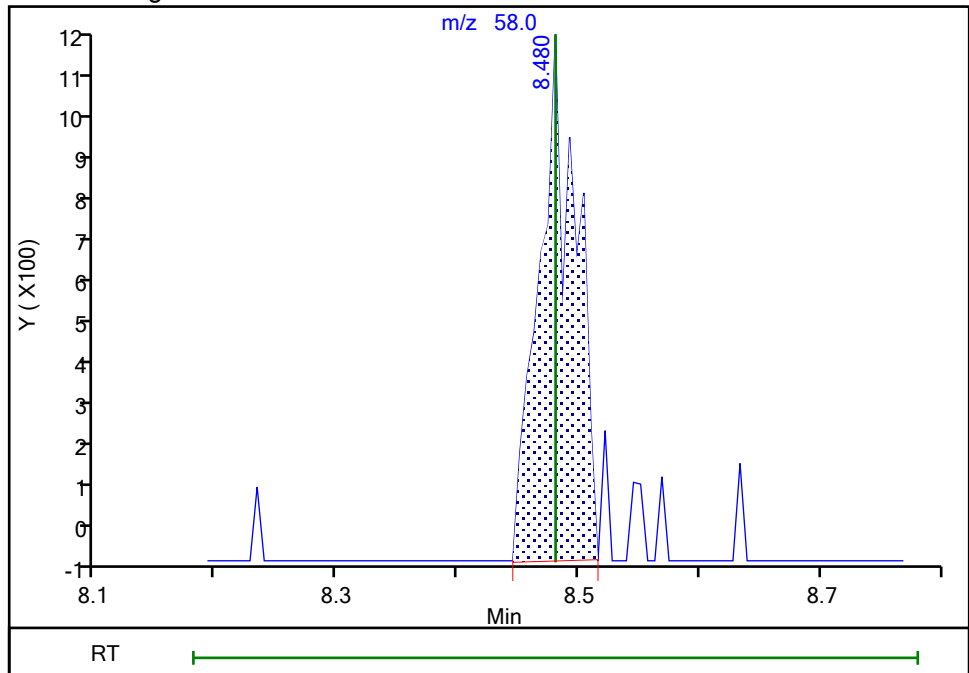
RT: 8.49
Area: 1136
Amount: 1.816599
Amount Units: ug/l

Processing Integration Results



RT: 8.48
Area: 2432
Amount: 3.915193
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:50:41 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

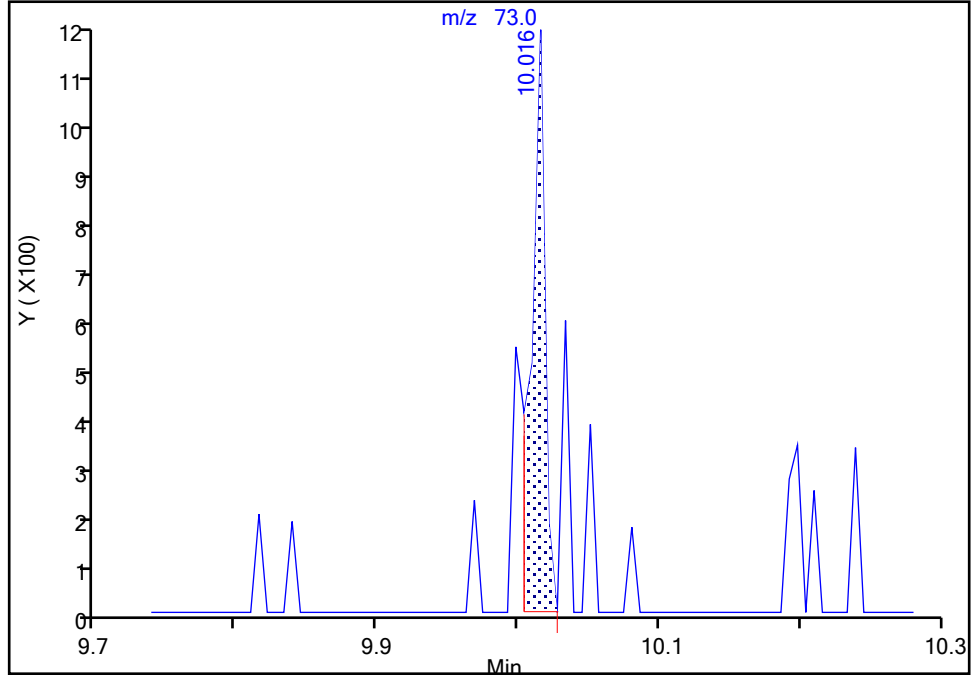
ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

99 n-Butyl acrylate, CAS: 141-32-2

Signal: 1

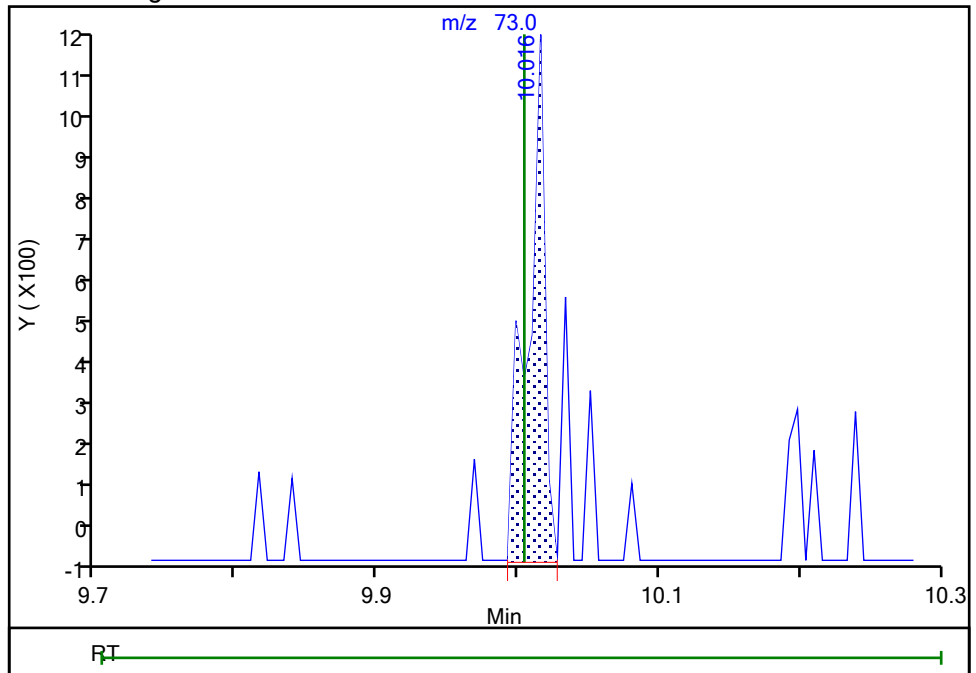
RT: 10.02
Area: 766
Amount: 1.021532
Amount Units: ug/l

Processing Integration Results



RT: 10.02
Area: 953
Amount: 0.553479
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:51:01 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

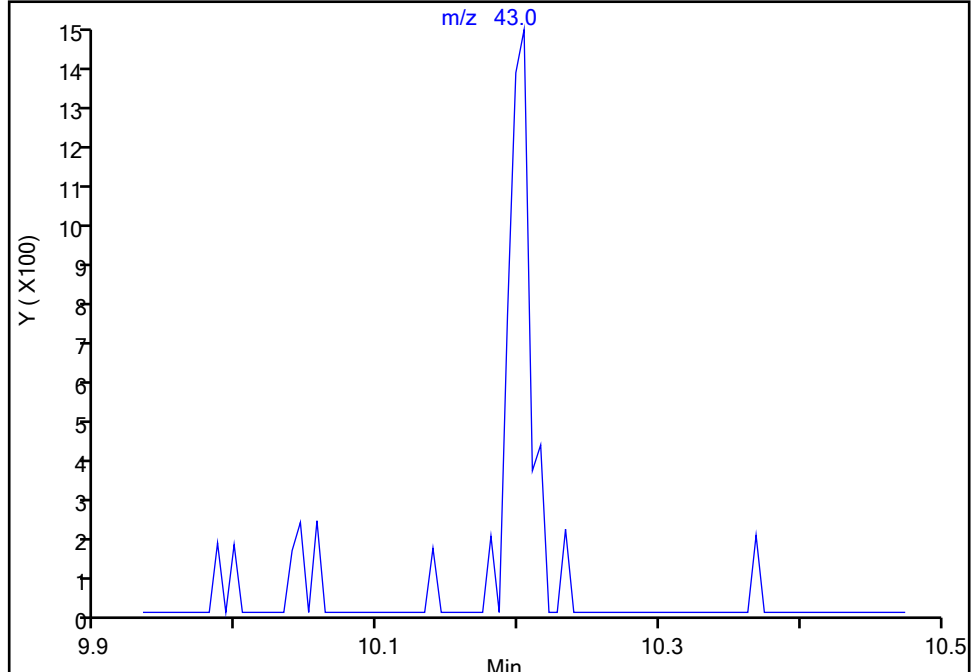
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D
Injection Date: 15-Feb-2024 10:56:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

102 Amyl acetate (mixed isomers), CAS: 628-63-7
Signal: 1

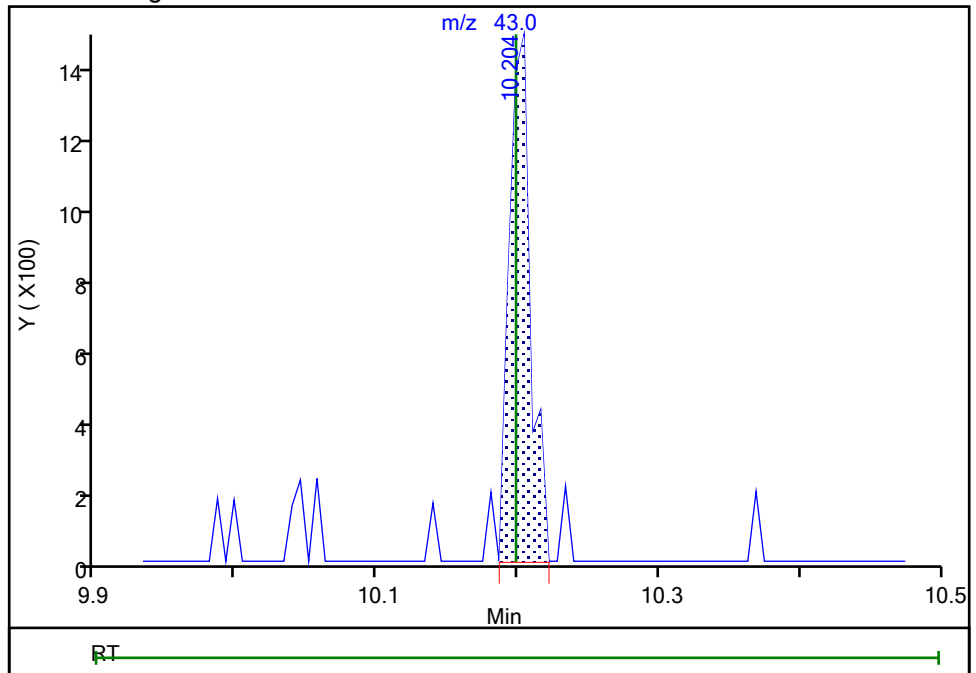
Not Detected
Expected RT: 10.20

Processing Integration Results



RT: 10.20
Area: 1512
Amount: 1.016047
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:51:09 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#:

4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

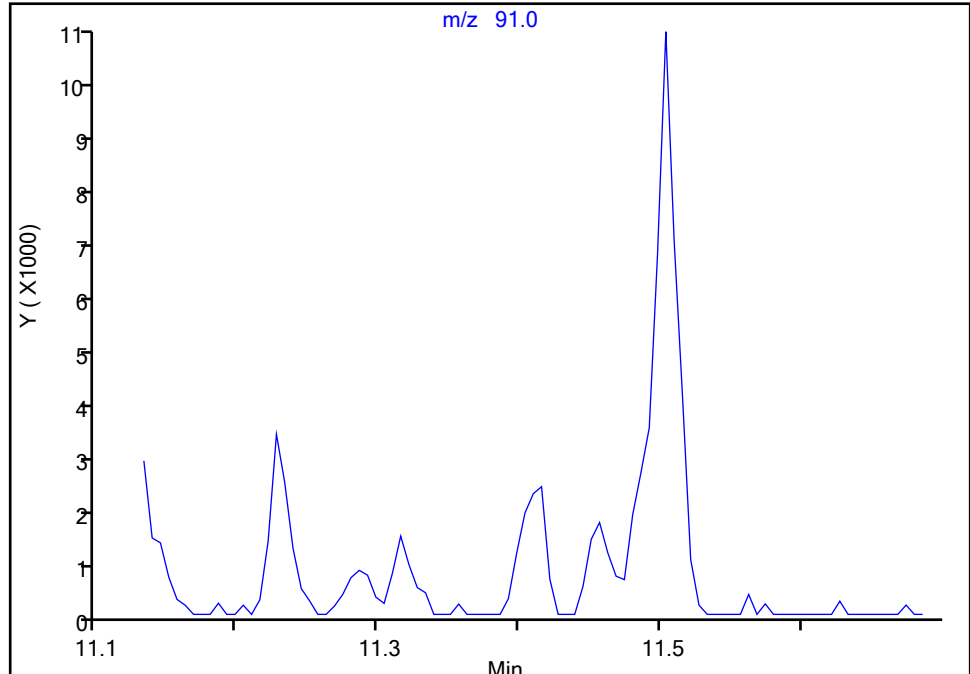
124 Benzyl chloride, CAS: 100-44-7

Signal: 1

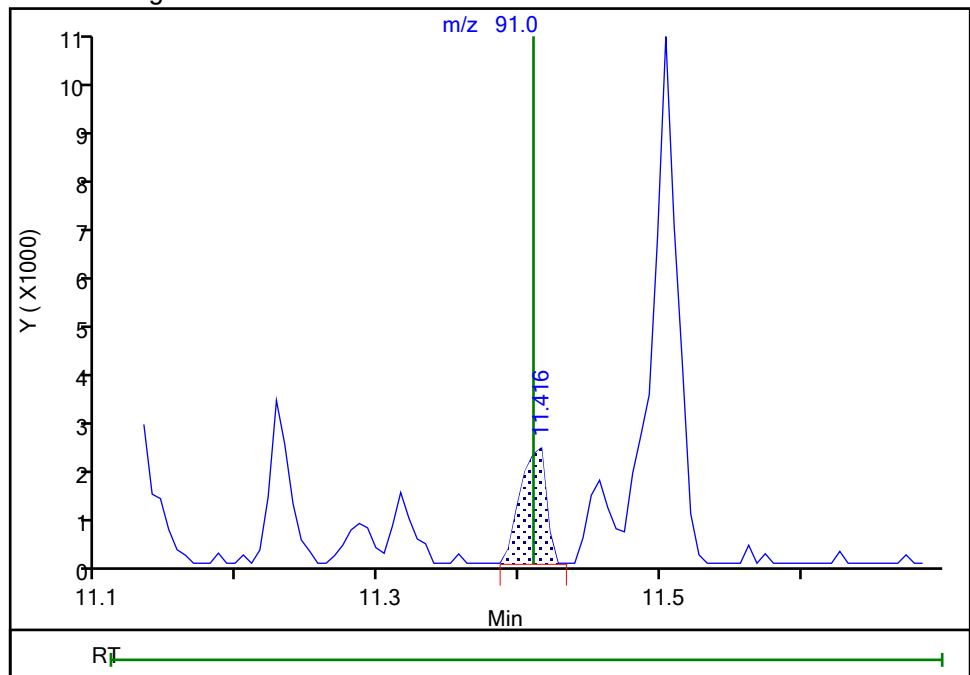
Not Detected

Expected RT: 11.41

Processing Integration Results



Manual Integration Results



RT: 11.42

Area: 3077

Amount: 0.607299

Amount Units: ug/l

Reviewer: W9CM, 15-Feb-2024 18:51:32 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09701.D

Injection Date: 15-Feb-2024 10:56:30

Instrument ID: CVOAMS1

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

3

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

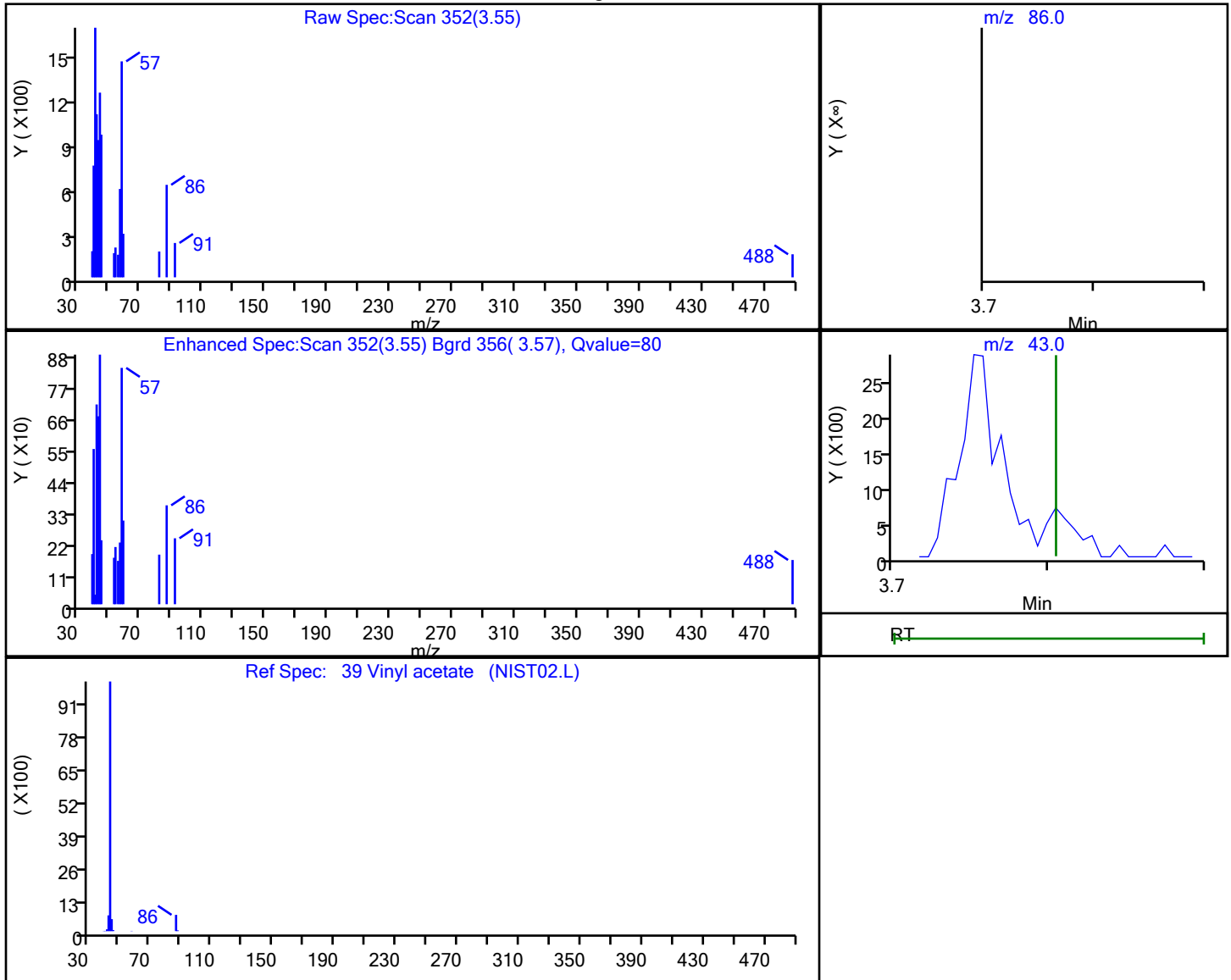
Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
3.55	86.00	459	1.041431
3.55	43.00	1651	

Reviewer: W9CM, 15-Feb-2024 18:47:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Feb-2024 11:19:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0172348-005
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:29:39 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: W9CM

Date: 15-Feb-2024 18:52:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	95	5299	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	98	28353	5.00	4.44	
165 Chlorodifluoromethane	51	1.593	1.587	0.006	97	31511	NC	NC	
6 Chloromethane	50	1.746	1.746	0.000	99	25300	5.00	4.27	a
7 Vinyl chloride	62	1.828	1.828	0.000	97	24074	5.00	4.49	
172 Butadiene	39	1.852	1.852	0.000	98	23044	5.00	4.31	
9 Bromomethane	94	2.116	2.116	0.000	97	13377	5.00	4.15	
10 Chloroethane	64	2.193	2.193	0.000	98	12776	5.00	4.56	
174 Dichlorofluoromethane	67	2.352	2.352	0.000	98	35101	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	96	28737	5.00	4.63	
13 Pentane	72	2.404	2.405	-0.001	93	6485	10.0	11.3	
14 Ethanol	46	2.528	2.528	0.000	19	1196	200.0	154.5	a
15 Ethyl ether	59	2.587	2.581	0.006	96	10788	5.00	4.54	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	84	15341	5.00	4.78	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	85	14229	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.669	2.663	0.006	95	23561	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	94	16545	5.00	5.02	
19 Acrolein	56	2.752	2.757	-0.005	52	4966	20.0	19.7	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	96	14153	5.00	4.46	
22 Acetone	58	2.863	2.863	0.000	85	3728	25.0	22.1	
24 Isopropyl alcohol	45	2.922	2.928	-0.006	98	4467	50.0	51.7	a
23 Iodomethane	142	2.946	2.946	0.000	99	17101	5.00	3.92	
25 Carbon disulfide	76	2.987	2.987	0.000	99	51962	5.00	4.69	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	92	9214	5.00	4.36	
27 Methyl acetate	43	3.099	3.099	0.000	60	13945	10.0	9.42	
166 Cyclopentene	67	3.122	3.122	0.000	95	30163	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	85	13892	50.0	51.9	
* 30 TBA-d9 (IS)	65	3.175	3.175	0.000	0	113251	1000.0	1000.0	
31 Methylene Chloride	84	3.228	3.222	0.006	92	17529	5.00	4.89	
32 2-Methyl-2-propanol	59	3.251	3.252	-0.001	98	6623	50.0	43.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.375	3.369	0.006	96	34284	5.00	4.62	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	92	16070	5.00	4.53	
35 Acrylonitrile	53	3.475	3.475	0.000	92	33455	50.0	47.6	
36 Hexane	43	3.551	3.557	-0.006	94	12624	5.00	4.58	
37 Isopropyl ether	45	3.757	3.757	0.000	97	48003	5.00	4.51	
39 Vinyl acetate	86	3.804	3.804	0.000	100	4666	10.0	9.67	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	77	30668	5.00	4.71	
40 2-Chloro-1,3-butadiene	88	3.851	3.852	-0.001	94	14099	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	90	41015	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	160589	250.0	250.0	
43 2,2-Dichloropropane	97	4.322	4.328	-0.006	97	6042	5.00	5.04	
44 cis-1,2-Dichloroethene	96	4.334	4.340	-0.006	95	19428	5.00	4.90	
46 Ethyl acetate	70	4.346	4.346	0.000	92	2169	10.0	10.3	
45 2-Butanone (MEK)	72	4.357	4.346	0.011	96	5829	25.0	25.1	
47 Methyl acrylate	55	4.410	4.410	0.000	96	9061	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	96	11947	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	89	7992	5.00	4.55	
49 Tetrahydrofuran	42	4.587	4.587	0.000	49	8064	10.0	9.64	
51 Methacrylonitrile	67	4.598	4.599	-0.001	94	39176	NC	NC	
52 Chloroform	83	4.622	4.622	0.000	96	29851	5.00	4.71	
53 Cyclohexane	56	4.781	4.775	0.006	45	27443	5.00	4.80	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	44	27986	5.00	5.02	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	149266	50.0	49.5	
56 Carbon tetrachloride	117	4.916	4.916	0.000	93	22090	5.00	4.46	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	95	23931	5.00	4.86	
58 Isobutyl alcohol	43	5.040	5.040	0.000	96	6614	NC	NC	
59 Isooctane	57	5.110	5.122	-0.012	94	36681	NC	NC	M
60 Benzene	78	5.169	5.163	0.006	57	62725	5.00	4.70	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	160288	50.0	49.8	
62 Isopropyl acetate	61	5.193	5.193	0.000	96	7112	5.00	6.60	
63 Tert-amyl methyl ether	87	5.216	5.216	0.000	96	10361	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	97	21297	5.00	4.96	
65 n-Heptane	71	5.310	5.310	0.000	96	9355	5.00	5.06	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	525854	50.0	50.0	
67 n-Butanol	56	5.775	5.769	0.006	64	3991	125.0	109.4	
68 Trichloroethene	95	5.857	5.857	0.000	94	16947	5.00	4.35	
69 Ethyl acrylate	99	5.981	5.993	-0.012	30	1430	5.00	3.51	
70 Methylcyclohexane	83	5.998	6.004	-0.006	88	23988	5.00	4.58	
71 1,2-Dichloropropane	63	6.181	6.187	-0.006	89	15809	5.00	4.51	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	15903	1000.0	1000.0	
72 Methyl methacrylate	69	6.257	6.257	0.000	90	13109	10.0	8.28	
75 1,4-Dioxane	88	6.310	6.298	0.012	20	2320	100.0	114.0	
74 n-Propyl acetate	43	6.310	6.310	0.000	98	12867	5.00	4.28	
76 Dibromomethane	93	6.328	6.328	0.000	84	8906	5.00	4.66	
77 Dichlorobromomethane	83	6.487	6.487	0.000	99	23244	5.00	4.79	
78 2-Chloroethyl vinyl ether	63	6.863	6.869	-0.006	4	598	5.01	1.78	Ma
79 2-Nitropropane	41	6.875	6.875	0.000	98	5445	NC	NC	
80 Epichlorohydrin	57	6.992	6.992	0.000	98	14740	100.0	90.2	a
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	96	23223	5.00	4.36	
82 4-Methyl-2-pentanone (MIBK)	43	7.245	7.251	-0.006	98	42007	25.0	23.2	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	555367	50.0	49.6	
84 Toluene	91	7.434	7.434	0.000	95	67067	5.00	4.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	96	20305	5.00	4.49	M
85 Ethyl methacrylate	69	7.869	7.875	-0.006	75	12796	NC	NC	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	93	10386	5.00	4.69	
88 Tetrachloroethene	166	8.169	8.169	0.000	96	18298	5.00	4.83	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	95	19582	5.00	4.46	
90 2-Hexanone	58	8.481	8.481	0.000	98	13983	25.0	22.6	
91 n-Butyl acetate	73	8.639	8.628	0.011	99	2606	5.00	5.29	
92 Chlorodibromomethane	129	8.686	8.698	-0.012	92	13972	5.00	4.45	
93 Ethylene Dibromide	107	8.875	8.881	-0.006	97	11231	5.00	4.63	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	422953	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	93	42226	5.00	4.55	
96 Ethylbenzene	106	9.522	9.528	-0.006	99	23510	5.00	4.67	
97 1,1,1,2-Tetrachloroethane	131	9.533	9.534	-0.001	92	14103	5.00	4.53	
98 m-Xylene & p-Xylene	106	9.645	9.651	-0.006	0	29808	5.00	4.80	
99 n-Butyl acrylate	73	10.004	10.004	0.000	97	7253	5.00	4.35	
100 o-Xylene	106	10.022	10.028	-0.006	93	29454	5.00	4.84	
101 Styrene	104	10.051	10.051	0.000	93	45312	5.00	4.57	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	89	17036	5.00	4.63	
103 Bromoform	173	10.222	10.228	-0.006	94	8431	5.00	4.50	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	70666	5.00	4.60	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	91	180172	50.0	49.6	
107 Bromobenzene	156	10.592	10.592	0.000	94	19129	5.00	4.64	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	97	13182	5.00	4.86	
108 N-Propylbenzene	91	10.639	10.639	0.000	98	92656	5.00	4.71	
110 1,2,3-Trichloropropane	110	10.651	10.657	-0.006	53	3685	5.00	4.63	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	82	3747	NC	NC	
169 4-Ethyltoluene	105	10.722	10.722	0.000	93	74664	NC	NC	
112 2-Chlorotoluene	91	10.722	10.728	-0.006	94	62040	5.00	4.71	
113 1,3,5-Trimethylbenzene	105	10.769	10.775	-0.006	93	59985	5.00	4.54	
115 4-Chlorotoluene	91	10.804	10.810	-0.006	97	57148	5.00	4.79	
114 Butyl Methacrylate	87	10.839	10.839	0.000	92	15498	5.00	4.45	
116 tert-Butylbenzene	119	10.986	10.992	-0.006	93	53477	5.00	4.63	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	97	65720	5.00	4.66	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	99	15447	5.00	4.56	
119 4-Isopropyltoluene	119	11.227	11.233	-0.006	97	62897	5.00	4.46	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	93	34470	5.00	4.42	
* 121 1,4-Dichlorobenzene-d4	152	11.286	11.292	-0.006	96	243342	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	94	38156	5.00	4.72	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	97	61190	5.00	4.39	
124 Benzyl chloride	91	11.404	11.410	-0.006	98	21402	5.00	4.31	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	94	62137	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	90	40732	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	97	30262	5.00	4.36	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	96	32934	5.00	4.61	
163 1,2,4,5-Tetramethylbenzene	119	12.039	12.045	-0.006	98	57781	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.151	12.145	0.006	89	2604	5.00	4.94	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	96	26151	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.792	12.798	-0.006	91	22053	5.00	4.54	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	90	10001	5.00	4.94	
134 Naphthalene	128	13.045	13.051	-0.006	99	38600	5.00	4.77	
135 1,2,3-Trichlorobenzene	180	13.280	13.286	-0.006	95	18238	5.00	4.69	
S 136 1,2-Dichloroethene, Total	100				0		10.0	9.43	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		10.0	9.64	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00571	Amount Added: 10.00	Units: uL	
8260MIX1COMB_00183	Amount Added: 10.00	Units: uL	
524FREONS_00014	Amount Added: 10.00	Units: uL	
ACROLEIN W_00165	Amount Added: 4.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D

Injection Date: 15-Feb-2024 11:19:30

Instrument ID: CVOAMS1

Lims ID: STD5

Operator ID:

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

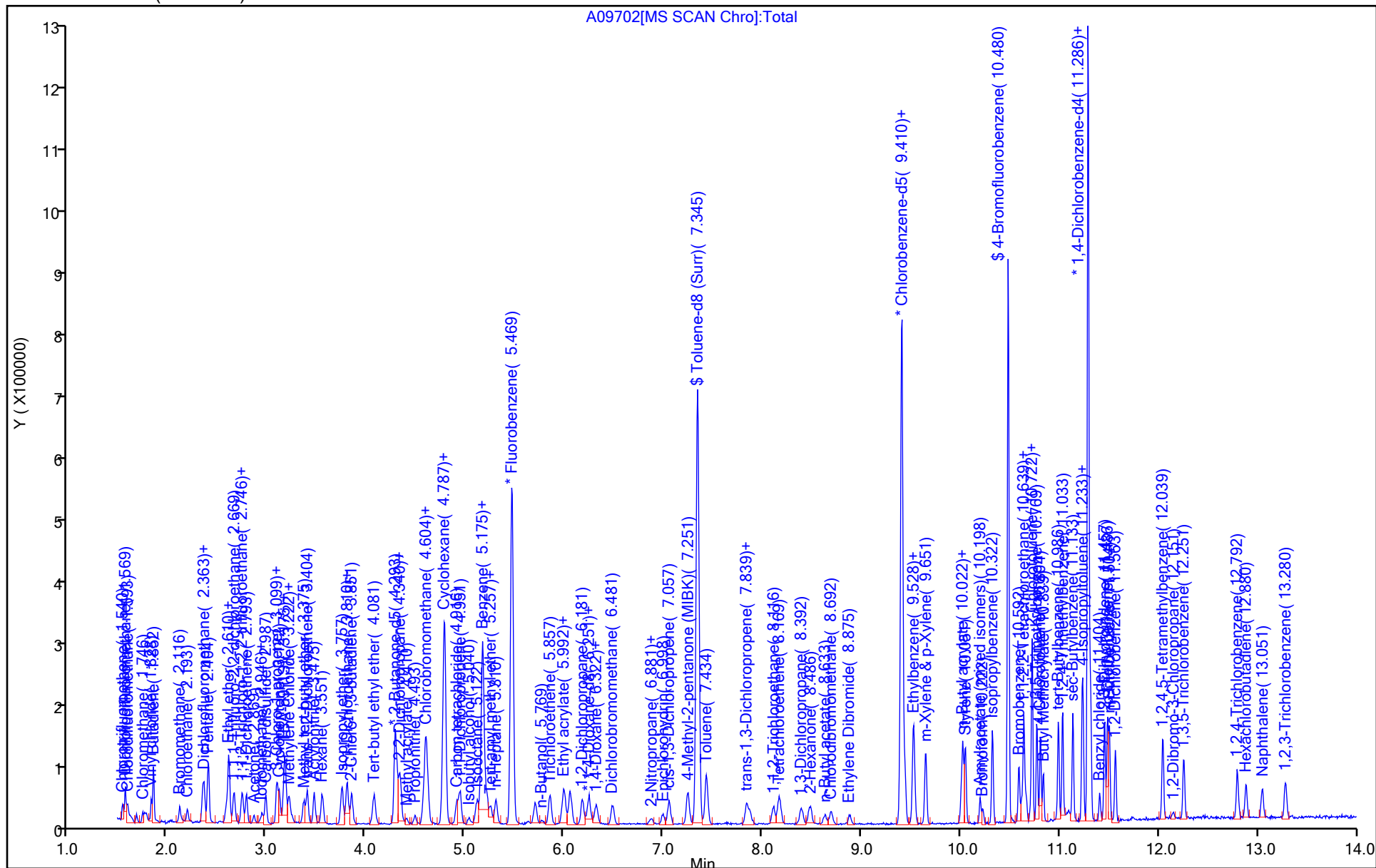
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D
Injection Date: 15-Feb-2024 11:19:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

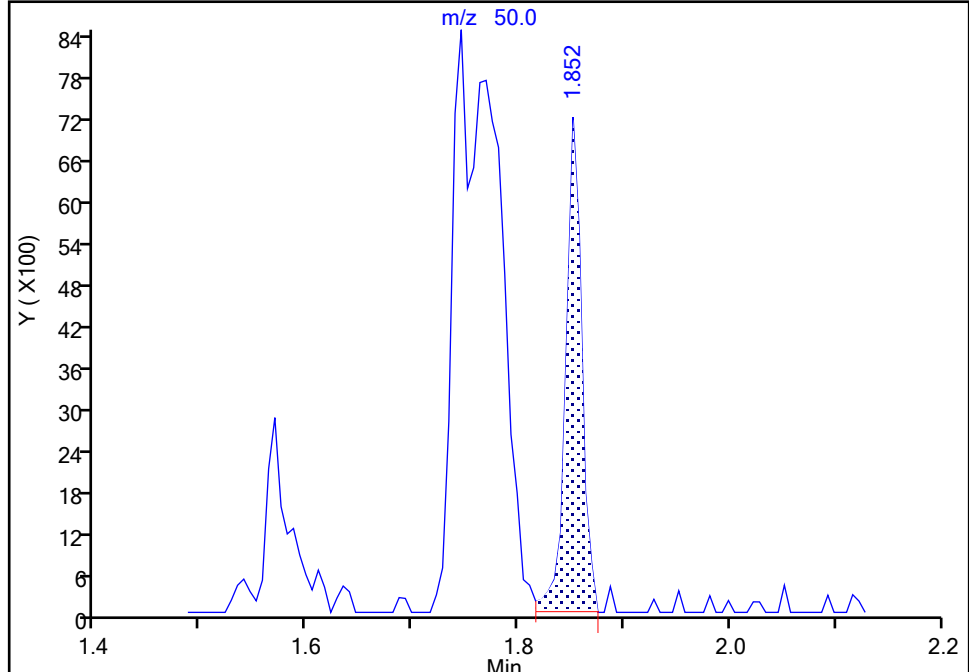
ALS Bottle#: 4 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

6 Chloromethane, CAS: 74-87-3

Signal: 1

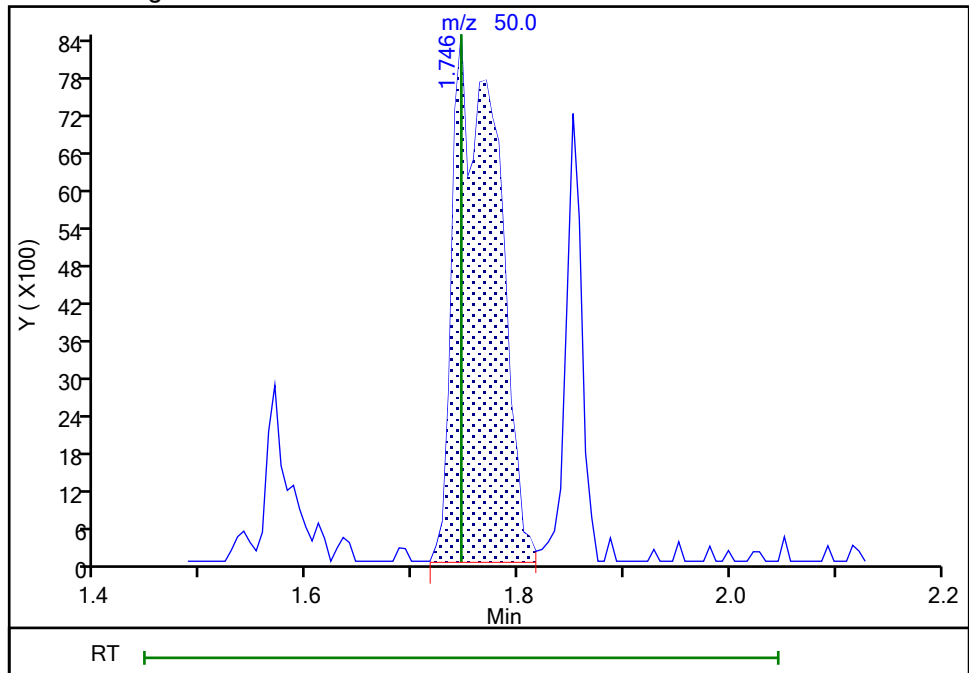
RT: 1.85
Area: 7622
Amount: 1.376093
Amount Units: ug/l

Processing Integration Results



RT: 1.75
Area: 25300
Amount: 4.273905
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:52:25 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D
Injection Date: 15-Feb-2024 11:19:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

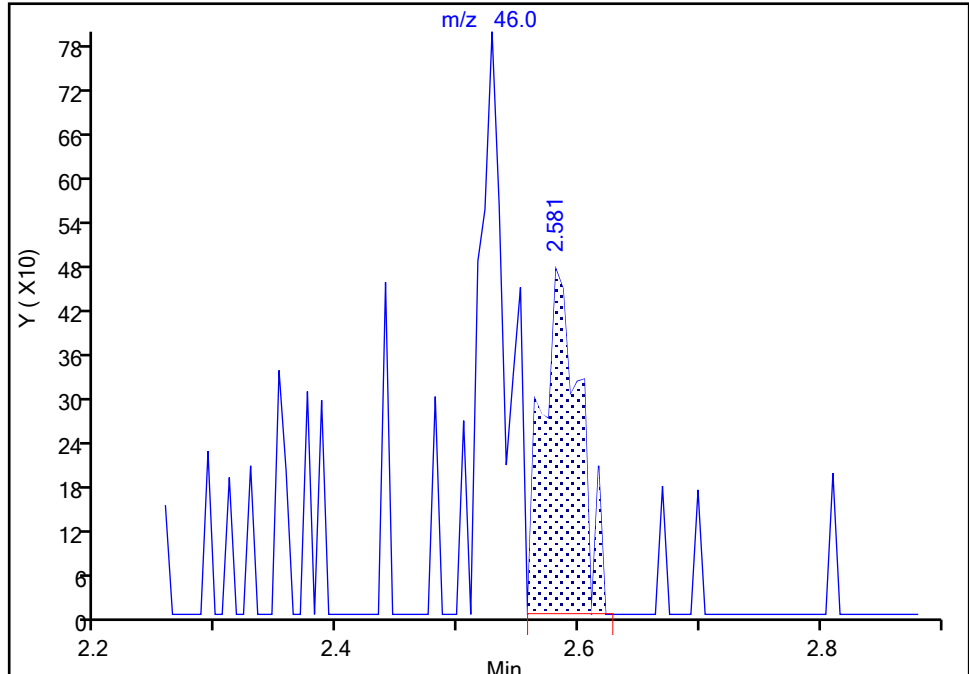
ALS Bottle#: 4 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

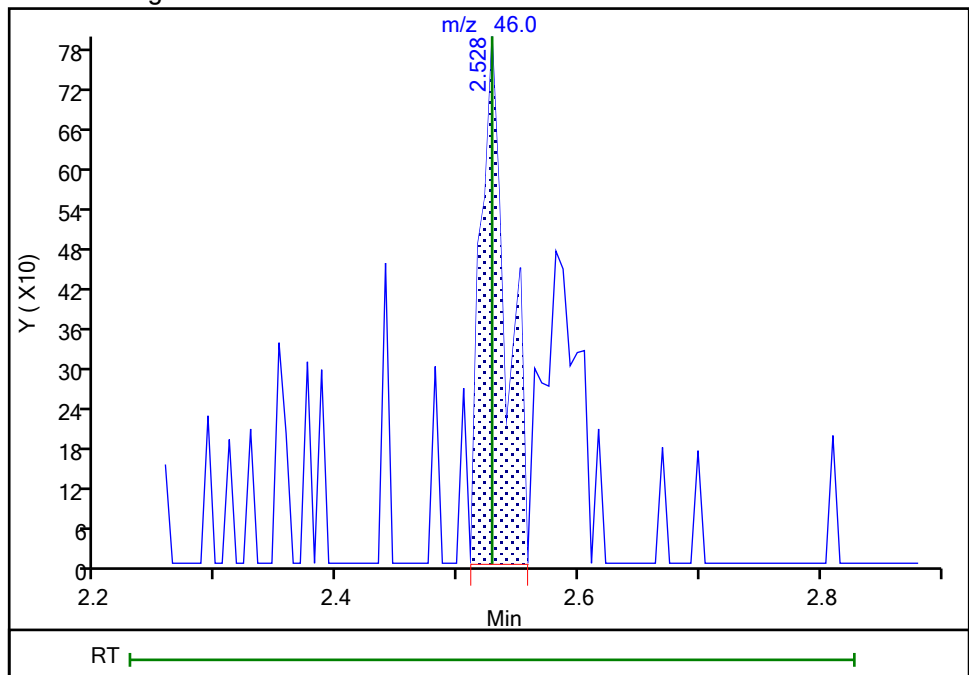
RT: 2.58
Area: 1026
Amount: 114.2258
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 1196
Amount: 154.4959
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:53:28 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D
Injection Date: 15-Feb-2024 11:19:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

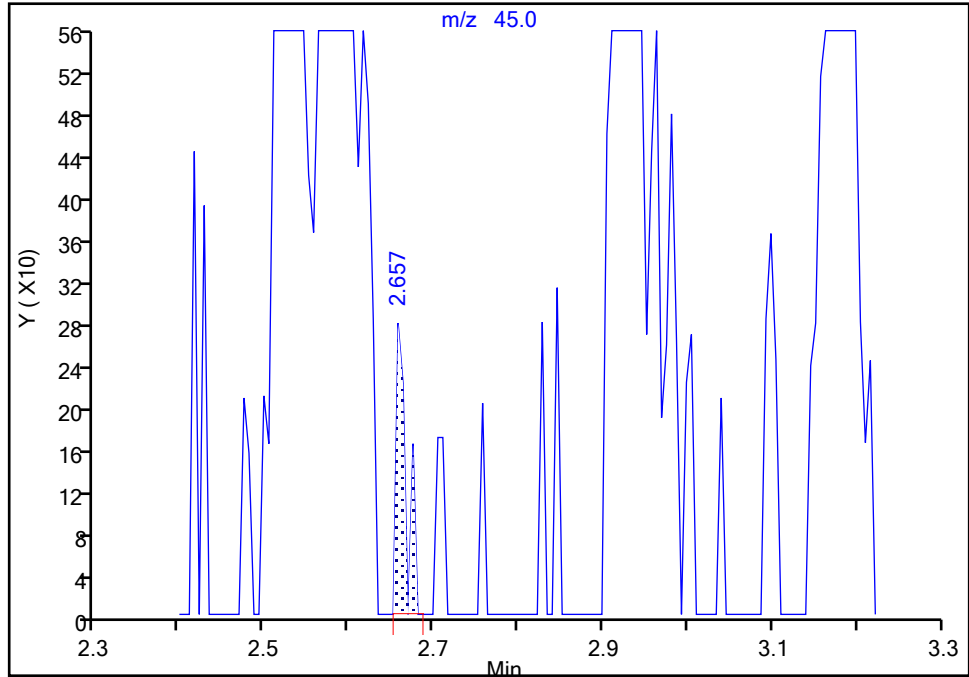
ALS Bottle#: 4 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

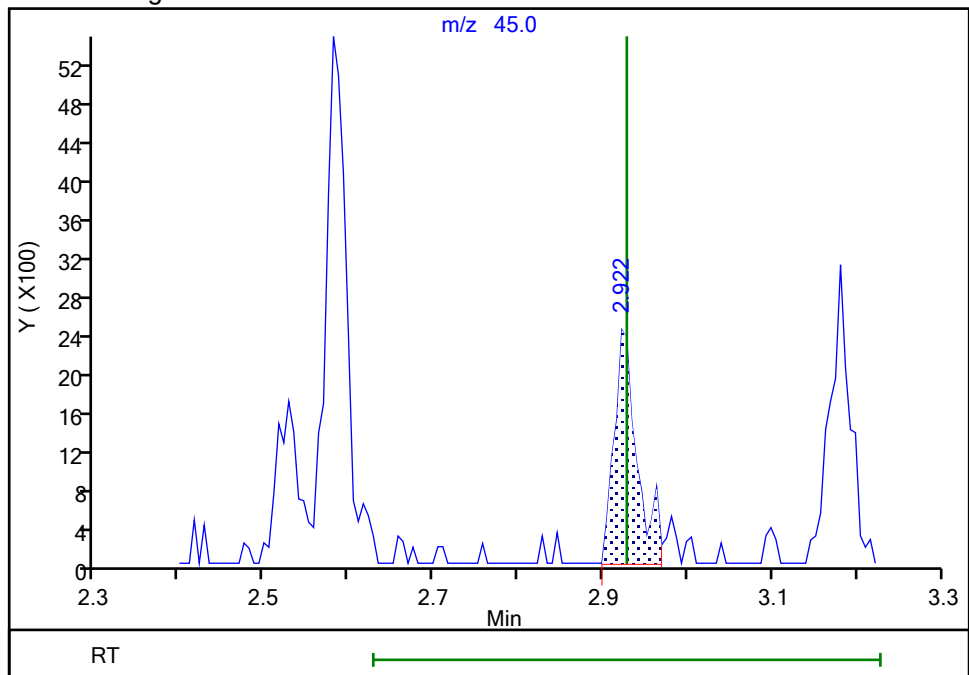
RT: 2.66
Area: 235
Amount: 7.345621
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 4467
Amount: 51.657702
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:54:08 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D

Injection Date: 15-Feb-2024 11:19:30

Instrument ID: CVOAMS1

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS SCAN

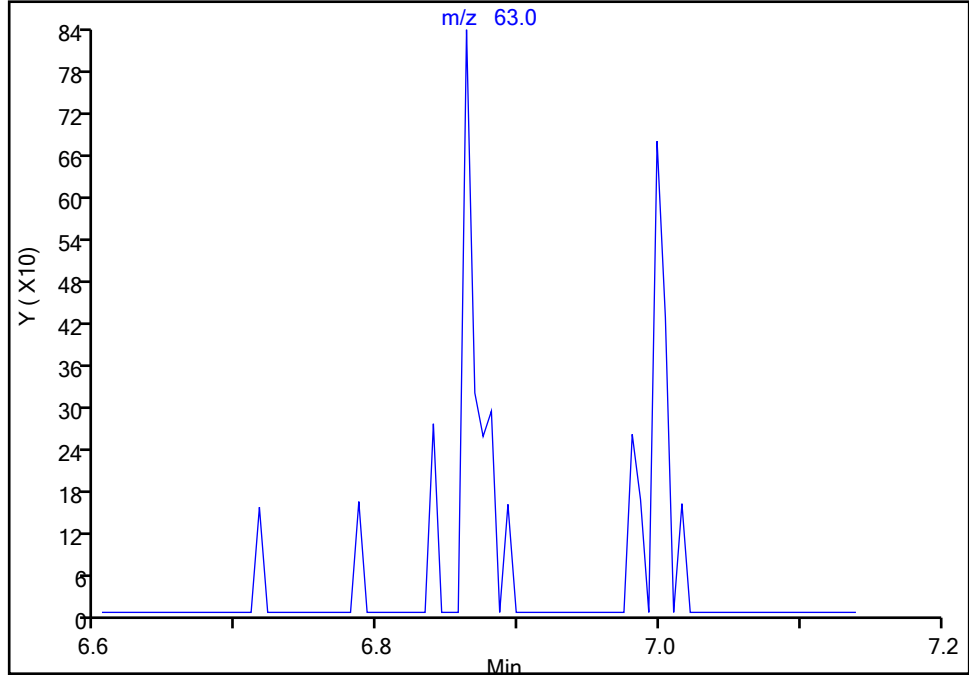
78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

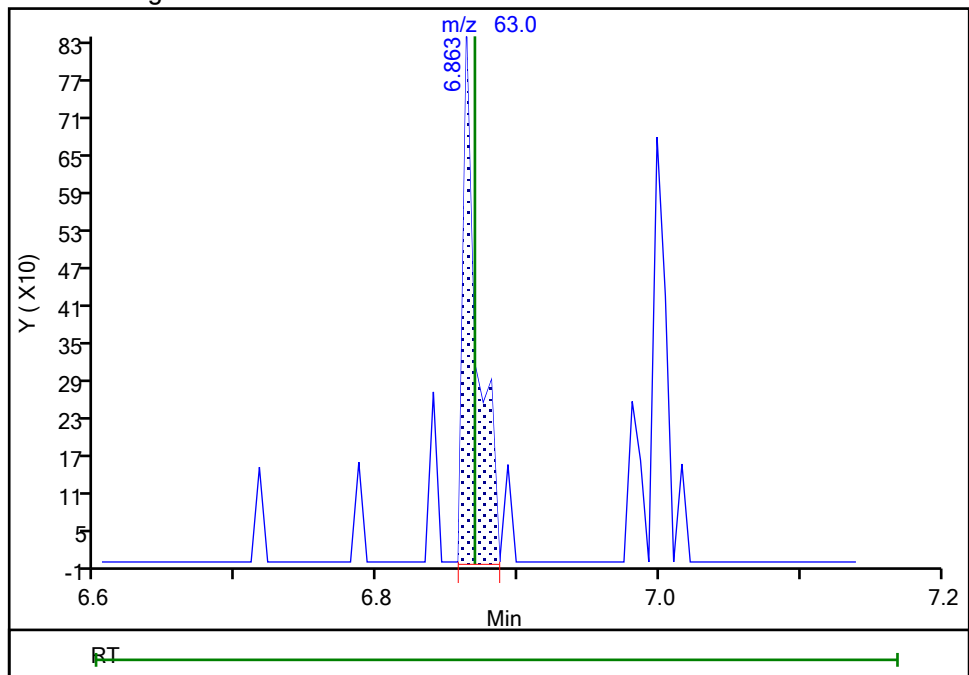
Not Detected

Expected RT: 6.87

Processing Integration Results



Manual Integration Results



RT: 6.86

Area: 598

Amount: 1.776395

Amount Units: ug/l

Reviewer: W9CM, 15-Feb-2024 18:55:36 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09702.D
Injection Date: 15-Feb-2024 11:19:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

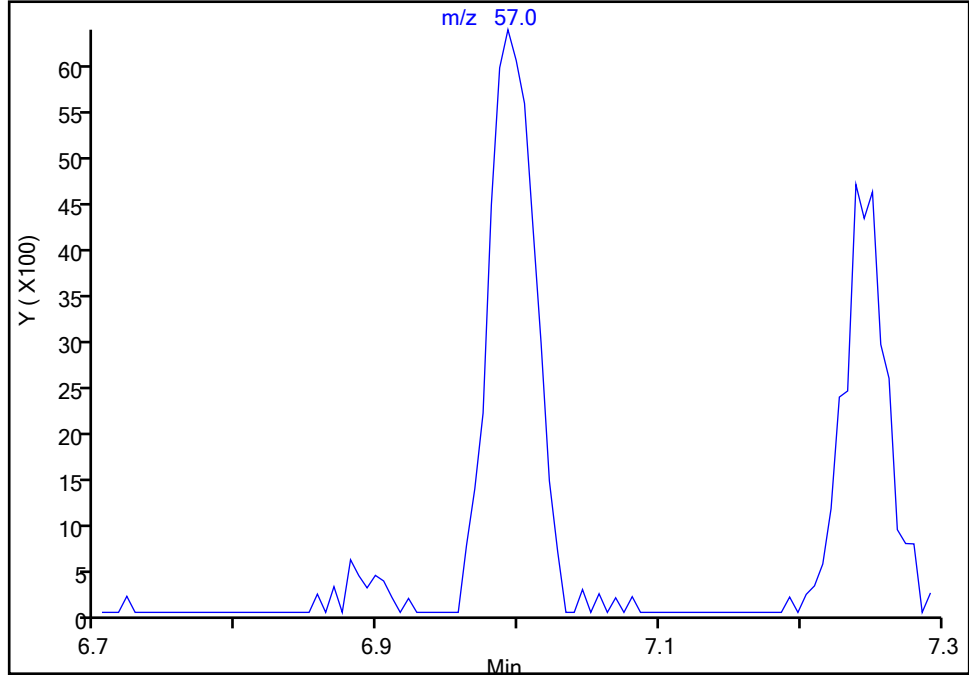
ALS Bottle#: 4 Worklist Smp#: 5
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

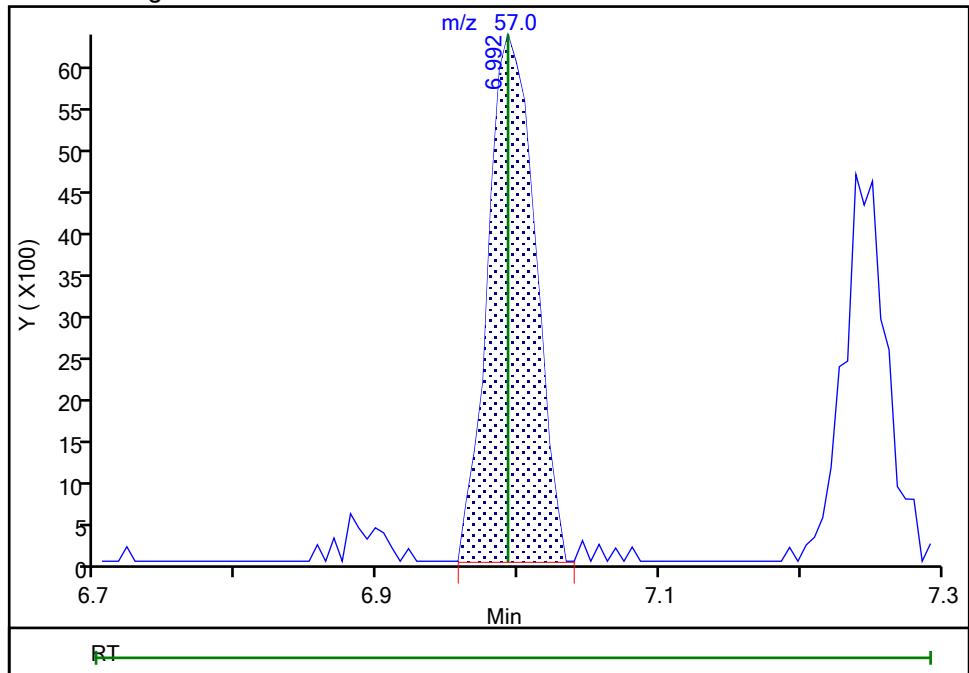
Signal: 1

Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results



RT: 6.99
Area: 14740
Amount: 90.246989
Amount Units: ug/l

Reviewer: W9CM, 15-Feb-2024 18:54:56 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09703.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 15-Feb-2024 11:43:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0172348-006
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:29:55 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: KG2Q

Date: 15-Feb-2024 13:13:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	95	22371	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	100	117303	20.0	19.2	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	78	129545	NC	NC	
6 Chloromethane	50	1.746	1.746	0.000	99	106754	20.0	18.8	a
7 Vinyl chloride	62	1.828	1.828	0.000	97	98676	20.0	19.2	
172 Butadiene	39	1.852	1.852	0.000	97	94656	20.0	18.5	
9 Bromomethane	94	2.116	2.116	0.000	97	60211	20.0	19.5	
10 Chloroethane	64	2.193	2.193	0.000	100	53778	20.0	20.0	
174 Dichlorofluoromethane	67	2.352	2.352	0.000	99	144538	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	99	119499	20.0	20.1	
13 Pentane	72	2.405	2.405	0.000	95	24131	40.0	39.9	
14 Ethanol	46	2.528	2.528	0.000	1	6136	800.0	754.0	a
15 Ethyl ether	59	2.581	2.581	0.000	95	45415	20.0	19.9	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	82	63829	20.0	20.7	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	84	57201	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	97	98563	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	95	67472	20.0	21.3	
19 Acrolein	56	2.757	2.757	0.000	41	10190	40.0	38.4	
21 1,1-Dichloroethene	96	2.787	2.787	0.000	99	60960	20.0	20.0	
22 Acetone	58	2.863	2.863	0.000	85	17592	100.0	102.1	
24 Isopropyl alcohol	45	2.928	2.928	0.000	99	18190	200.0	200.1	
23 Iodomethane	142	2.946	2.946	0.000	99	81145	20.0	19.4	
25 Carbon disulfide	76	2.987	2.987	0.000	99	217314	20.0	20.4	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	92	40067	20.0	19.8	
27 Methyl acetate	43	3.099	3.099	0.000	68	58307	40.0	37.5	
166 Cyclopentene	67	3.122	3.122	0.000	94	136936	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	97	54506	200.0	193.6	
* 30 TBA-d9 (IS)	65	3.175	3.175	0.000	0	119051	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	95	71758	20.0	20.9	
32 2-Methyl-2-propanol	59	3.252	3.252	0.000	98	29523	200.0	185.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	97	144332	20.0	20.3	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	95	68045	20.0	20.0	
35 Acrylonitrile	53	3.475	3.475	0.000	92	137832	200.0	204.5	
36 Hexane	43	3.557	3.557	0.000	93	56491	20.0	21.4	
37 Isopropyl ether	45	3.757	3.757	0.000	96	205478	20.0	20.1	
39 Vinyl acetate	86	3.804	3.804	0.000	100	19207	40.0	37.9	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	75	126514	20.0	20.2	
40 2-Chloro-1,3-butadiene	88	3.852	3.852	0.000	93	59063	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	90	174458	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	164229	250.0	250.0	
43 2,2-Dichloropropane	97	4.328	4.328	0.000	98	23904	20.0	20.8	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	93	73339	20.0	19.3	
46 Ethyl acetate	70	4.346	4.346	0.000	93	9699	40.0	40.3	
45 2-Butanone (MEK)	72	4.346	4.346	0.000	98	21861	100.0	92.0	
47 Methyl acrylate	55	4.410	4.410	0.000	100	35969	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	98	52136	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	91	36758	20.0	21.8	
49 Tetrahydrofuran	42	4.587	4.587	0.000	52	32987	40.0	38.6	
51 Methacrylonitrile	67	4.599	4.599	0.000	94	177870	NC	NC	
52 Chloroform	83	4.622	4.622	0.000	97	128034	20.0	21.1	
53 Cyclohexane	56	4.775	4.775	0.000	94	110225	20.0	20.1	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	96	106902	20.0	20.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	97	147843	50.0	51.1	
56 Carbon tetrachloride	117	4.916	4.916	0.000	97	98004	20.0	20.6	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	95	97023	20.0	20.6	
58 Isobutyl alcohol	43	5.040	5.040	0.000	96	29686	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	97	157283	NC	NC	
60 Benzene	78	5.163	5.163	0.000	95	278894	20.0	21.3	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	159959	50.0	51.9	
62 Isopropyl acetate	61	5.193	5.193	0.000	88	20491	20.0	19.8	
63 Tert-amyl methyl ether	87	5.216	5.216	0.000	94	45388	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	97	85103	20.0	20.7	
65 n-Heptane	71	5.310	5.310	0.000	93	39732	20.0	22.4	
* 66 Fluorobenzene	96	5.469	5.469	0.000	98	504225	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	95	17454	500.0	455.3	
68 Trichloroethene	95	5.857	5.857	0.000	96	74285	20.0	19.9	
69 Ethyl acrylate	99	5.993	5.993	0.000	97	8448	20.0	21.7	a
70 Methylcyclohexane	83	6.004	6.004	0.000	93	104585	20.0	20.8	
71 1,2-Dichloropropane	63	6.187	6.187	0.000	88	68500	20.0	20.4	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	17200	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.257	-0.006	92	59321	40.0	39.1	
75 1,4-Dioxane	88	6.298	6.298	0.000	32	8329	400.0	378.3	
74 n-Propyl acetate	43	6.310	6.310	0.000	98	60924	20.0	21.1	
76 Dibromomethane	93	6.328	6.328	0.000	95	37271	20.0	20.4	
77 Dichlorobromomethane	83	6.487	6.487	0.000	97	91330	20.0	19.6	
78 2-Chloroethyl vinyl ether	63	6.869	6.869	0.000	45	3927	20.0	12.2	
79 2-Nitropropane	41	6.875	6.875	0.000	98	21563	NC	NC	
80 Epichlorohydrin	57	6.992	6.992	0.000	99	65739	400.0	393.6	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	95	109831	20.0	21.0	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	98	183537	100.0	99.2	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	557072	50.0	50.7	
84 Toluene	91	7.434	7.434	0.000	94	282265	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	96	90872	20.0	20.5	
85 Ethyl methacrylate	69	7.875	7.875	0.000	90	54090	NC	NC	
87 1,1,2-Trichloroethane	83	8.110	8.110	0.000	95	43286	20.0	19.9	
88 Tetrachloroethene	166	8.169	8.169	0.000	96	77077	20.0	20.7	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	94	86482	20.0	20.1	
90 2-Hexanone	58	8.481	8.481	0.000	98	63535	100.0	100.6	
91 n-Butyl acetate	73	8.628	8.628	0.000	99	10736	20.0	19.9	
92 Chlorodibromomethane	129	8.698	8.698	0.000	97	61647	20.0	20.0	
93 Ethylene Dibromide	107	8.881	8.881	0.000	98	50481	20.0	21.2	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	415195	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	184382	20.0	20.2	
96 Ethylbenzene	106	9.528	9.528	0.000	99	97518	20.0	19.7	
97 1,1,1,2-Tetrachloroethane	131	9.534	9.534	0.000	94	64496	20.0	21.1	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	127883	20.0	21.0	
99 n-Butyl acrylate	73	10.004	10.004	0.000	98	34456	20.0	21.0	
100 o-Xylene	106	10.028	10.028	0.000	93	121246	20.0	20.3	
101 Styrene	104	10.051	10.051	0.000	97	205387	20.0	21.1	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	77103	20.0	18.9	
103 Bromoform	173	10.228	10.228	0.000	93	35711	20.0	19.4	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	308568	20.0	20.5	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	91	180726	50.0	50.7	
107 Bromobenzene	156	10.592	10.592	0.000	95	79970	20.0	19.7	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	98	54023	20.0	20.3	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	390281	20.0	20.2	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	97	14064	20.0	18.0	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	87	14846	NC	NC	
169 4-Ethyltoluene	105	10.722	10.722	0.000	89	327187	NC	NC	
112 2-Chlorotoluene	91	10.728	10.728	0.000	91	259323	20.0	20.0	
113 1,3,5-Trimethylbenzene	105	10.775	10.775	0.000	93	261811	20.0	20.1	
115 4-Chlorotoluene	91	10.810	10.810	0.000	97	240499	20.0	20.5	
114 Butyl Methacrylate	87	10.839	10.839	0.000	92	70372	20.0	18.3	
116 tert-Butylbenzene	119	10.992	10.992	0.000	93	224376	20.0	19.8	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	98	277537	20.0	20.0	
118 sec-Butylbenzene	134	11.139	11.139	0.000	99	66461	20.0	20.0	
119 4-Isopropyltoluene	119	11.233	11.233	0.000	97	278272	20.0	20.1	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	95	156082	20.0	20.4	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	95	239142	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.310	11.310	0.000	94	159613	20.0	20.1	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	99	272984	20.0	19.9	
124 Benzyl chloride	91	11.410	11.410	0.000	99	94960	20.0	19.4	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	94	270905	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	93	171941	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	98	140574	20.0	20.6	
128 1,2-Dichlorobenzene	146	11.569	11.569	0.000	95	146625	20.0	20.9	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	97	255220	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	91	10085	20.0	19.5	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	95	117745	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	94	96094	20.0	20.1	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	95	42053	20.0	21.2	
134 Naphthalene	128	13.051	13.051	0.000	99	160800	20.0	20.2	
135 1,2,3-Trichlorobenzene	180	13.286	13.286	0.000	95	79640	20.0	20.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		40.0	41.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00183	Amount Added: 20.00	Units: uL	
GASES Li_00571	Amount Added: 20.00	Units: uL	
524FREONS_00014	Amount Added: 20.00	Units: uL	
ACROLEIN W_00165	Amount Added: 4.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09703.D

Injection Date: 15-Feb-2024 11:43:30

Instrument ID: CVOAMS1

Lims ID: STD20

Client ID:

Operator ID:

Worklist Smp#: 6

Purge Vol: 5.000 mL

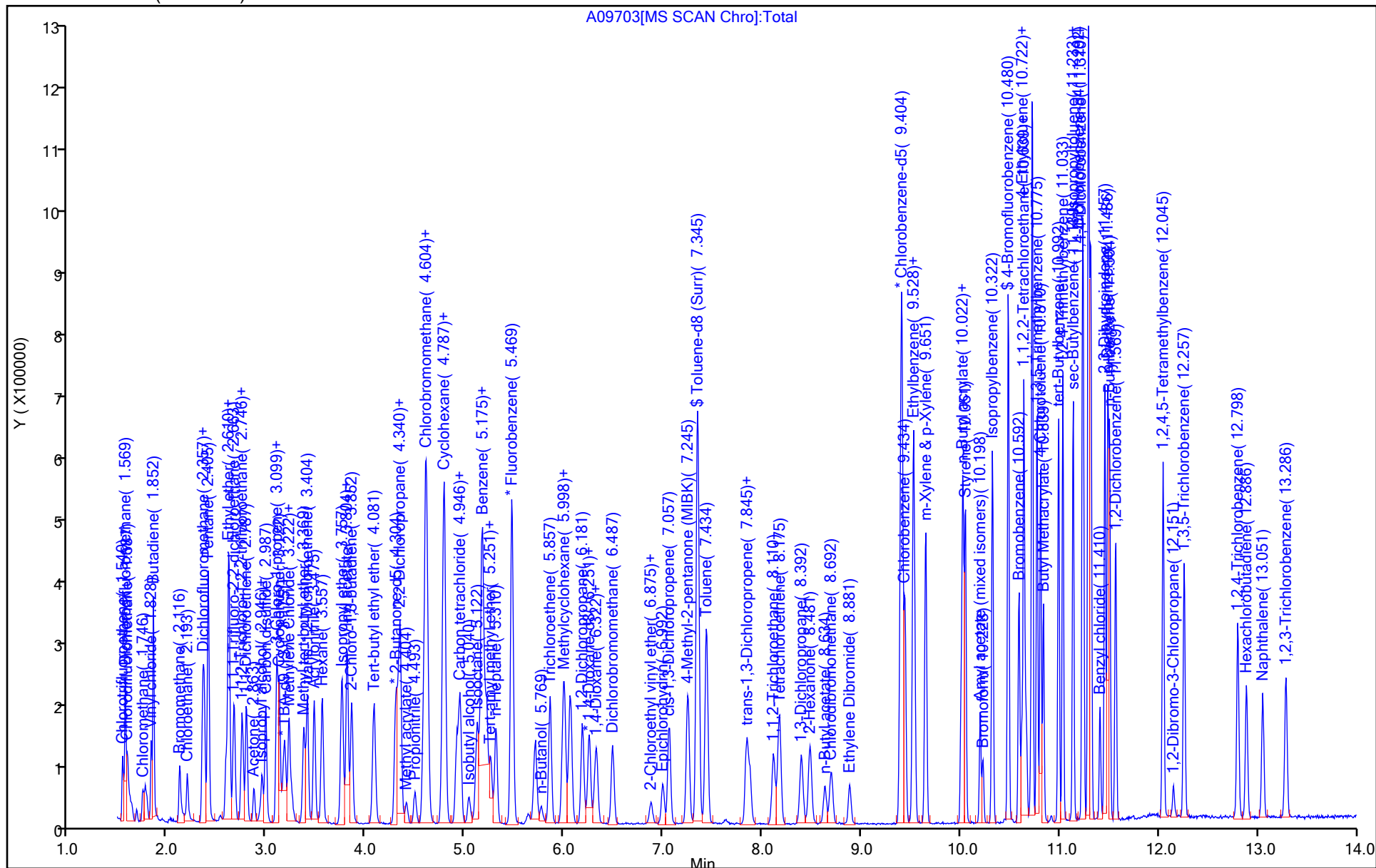
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09703.D

Injection Date: 15-Feb-2024 11:43:30

Instrument ID: CVOAMS1

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

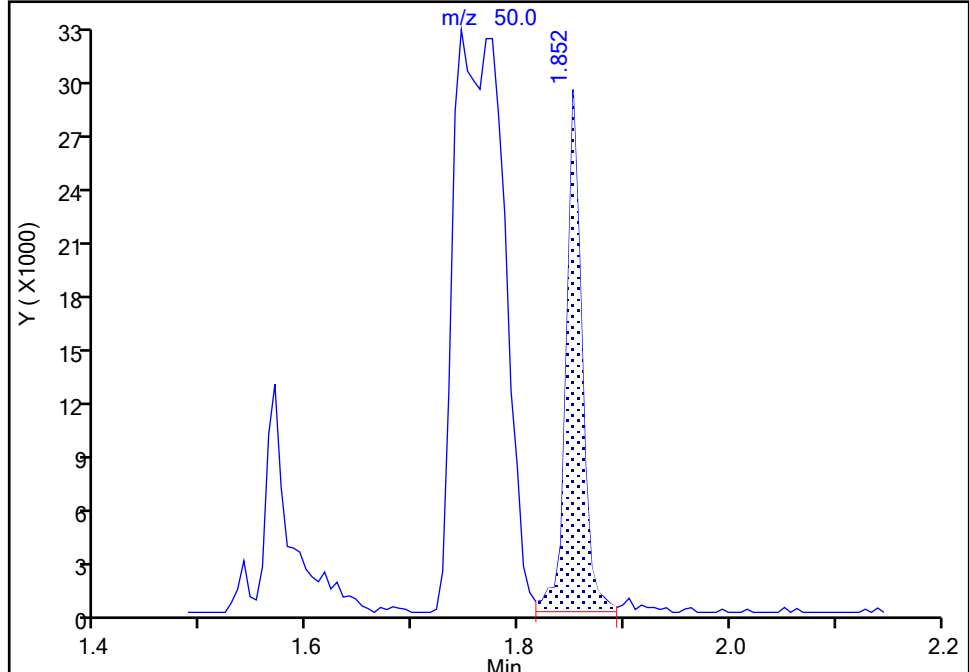
Detector: MS SCAN

6 Chloromethane, CAS: 74-87-3

Signal: 1

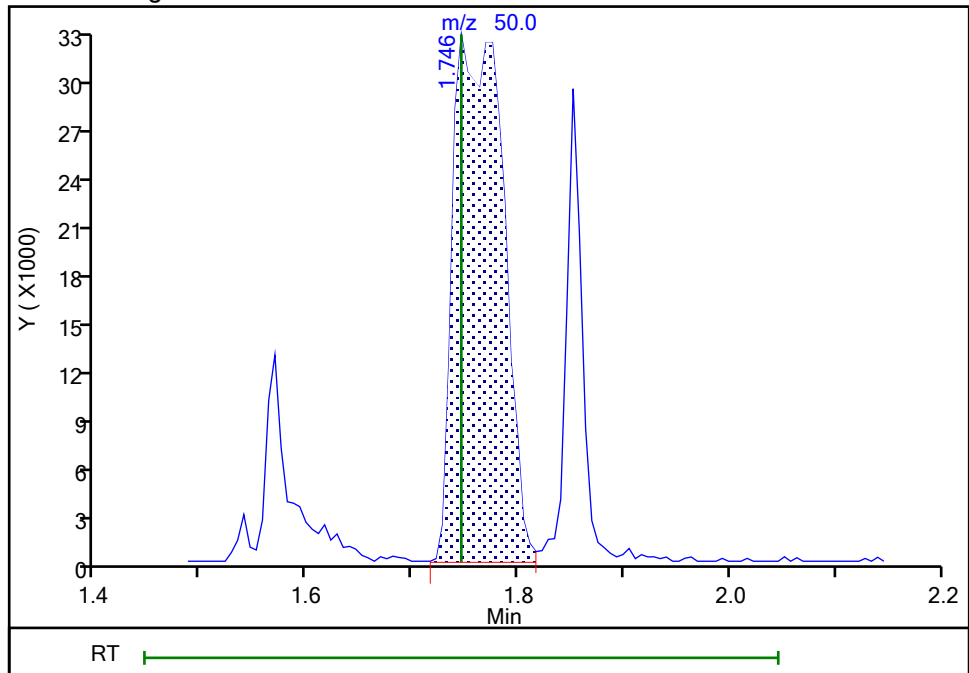
RT: 1.85
Area: 30472
Amount: 5.725762
Amount Units: ug/l

Processing Integration Results



RT: 1.75
Area: 106754
Amount: 18.807425
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:59:10 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09703.D
Injection Date: 15-Feb-2024 11:43:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

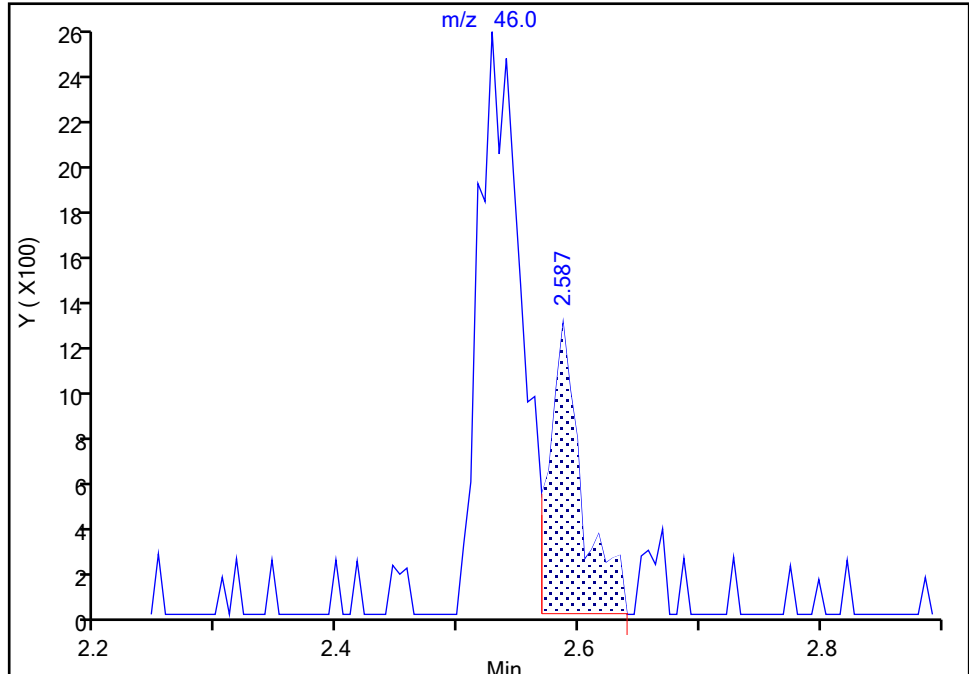
ALS Bottle#: 5 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

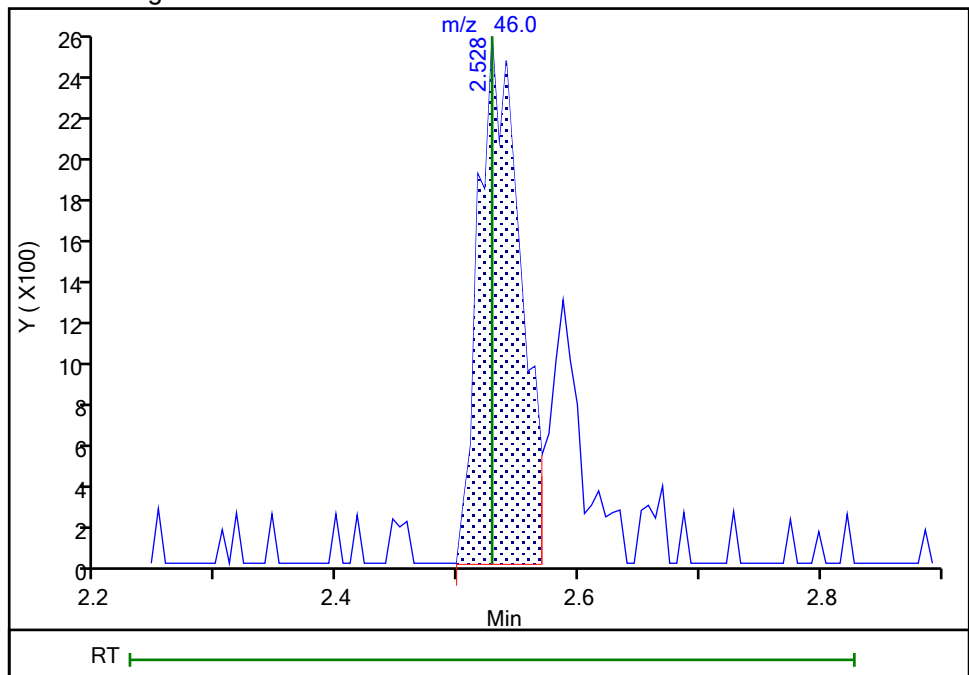
RT: 2.59
Area: 2391
Amount: 253.0853
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 6136
Amount: 754.0154
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:56:48 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09703.D

Injection Date: 15-Feb-2024 11:43:30

Instrument ID: CVOAMS1

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#:

5

Worklist Smp#:

6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

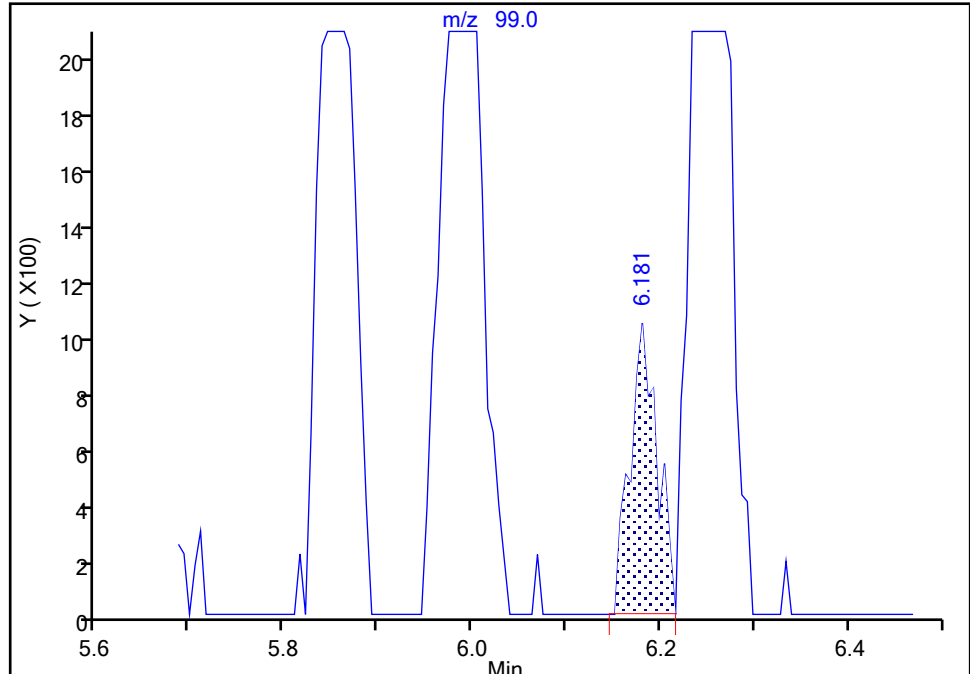
MS SCAN

69 Ethyl acrylate, CAS: 140-88-5

Signal: 1

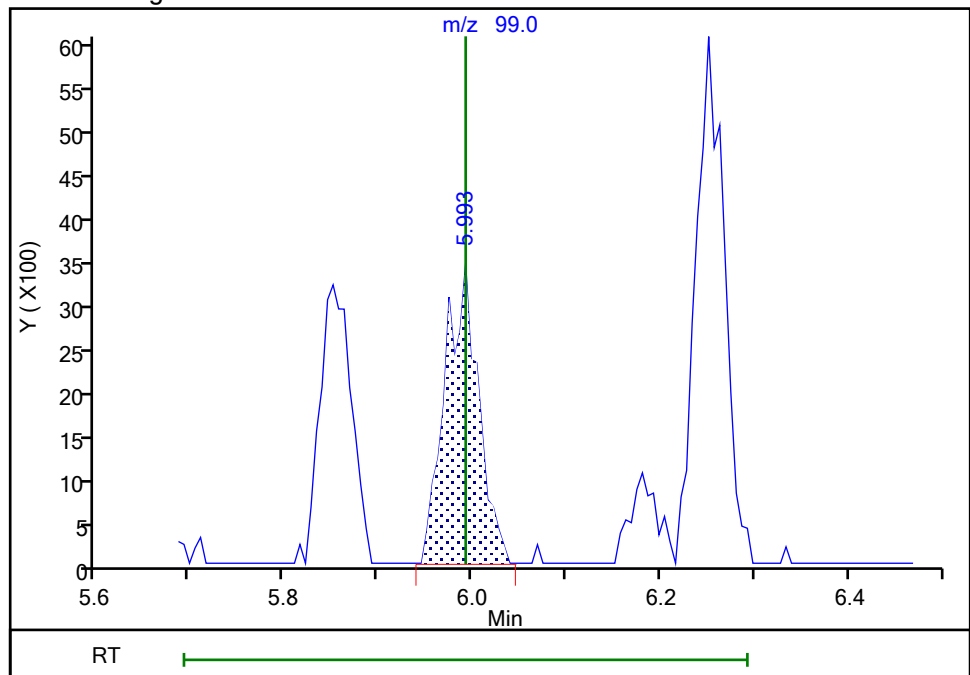
RT: 6.18
Area: 2073
Amount: 5.615058
Amount Units: ug/l

Processing Integration Results



RT: 5.99
Area: 8448
Amount: 21.654591
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 18:57:05 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09704.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Feb-2024 12:06:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0172348-007
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:30:12 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: KG2Q

Date: 15-Feb-2024 13:11:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	95	62640	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	99	320065	50.0	54.8	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	97	326696	NC	NC	
6 Chloromethane	50	1.775	1.746	0.029	98	293445	50.0	54.1	
7 Vinyl chloride	62	1.828	1.828	0.000	99	262143	50.0	53.4	
172 Butadiene	39	1.852	1.852	0.000	98	256952	50.0	52.5	
9 Bromomethane	94	2.116	2.116	0.000	98	163664	50.0	55.5	
10 Chloroethane	64	2.193	2.193	0.000	100	145406	50.0	56.7	
174 Dichlorofluoromethane	67	2.346	2.352	-0.006	99	385425	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	99	318402	50.0	56.1	
13 Pentane	72	2.404	2.405	-0.001	95	60902	100.0	104.9	
14 Ethanol	46	2.534	2.528	0.006	99	15026	2000.0	1921.4	M
15 Ethyl ether	59	2.581	2.581	0.000	94	123543	50.0	56.8	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	83	164659	50.0	56.0	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	87	155029	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	97	249654	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	167425	50.0	55.5	
19 Acrolein	56	2.752	2.757	-0.005	80	27168	100.0	106.6	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	98	163102	50.0	56.1	
22 Acetone	58	2.869	2.863	0.006	86	40651	250.0	260.3	
24 Isopropyl alcohol	45	2.922	2.928	-0.006	97	50989	500.0	583.7	
23 Iodomethane	142	2.952	2.946	0.006	99	221252	50.0	55.4	
25 Carbon disulfide	76	2.987	2.987	0.000	99	566218	50.0	55.8	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	92	108438	50.0	56.0	
27 Methyl acetate	43	3.099	3.099	0.000	74	150755	100.0	100.8	
166 Cyclopentene	67	3.122	3.122	0.000	94	365849	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	96	145987	500.0	539.5	
* 30 TBA-d9 (IS)	65	3.181	3.175	0.006	0	114407	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	92	189552	50.0	57.7	
32 2-Methyl-2-propanol	59	3.246	3.252	-0.006	97	84655	500.0	552.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	97	392137	50.0	57.7	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	96	182402	50.0	56.2	
35 Acrylonitrile	53	3.475	3.475	0.000	96	366711	500.0	569.8	
36 Hexane	43	3.557	3.557	0.000	93	146413	50.0	58.0	
37 Isopropyl ether	45	3.757	3.757	0.000	98	559277	50.0	57.4	
39 Vinyl acetate	86	3.810	3.804	0.006	100	57884	100.0	118.8	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	69	330774	50.0	55.4	
40 2-Chloro-1,3-butadiene	88	3.857	3.852	0.005	92	163630	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	89	482936	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	148875	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.328	-0.012	96	61366	50.0	55.9	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	96	207297	50.0	57.0	
46 Ethyl acetate	70	4.346	4.346	0.000	93	25331	100.0	113.4	
45 2-Butanone (MEK)	72	4.346	4.346	0.000	96	61426	250.0	285.2	
47 Methyl acrylate	55	4.404	4.410	-0.006	100	96830	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	98	138736	NC	NC	
50 Chlorobromomethane	128	4.575	4.581	-0.006	82	88822	50.0	55.3	
49 Tetrahydrofuran	42	4.587	4.587	0.000	54	84751	100.0	109.3	
51 Methacrylonitrile	67	4.604	4.599	0.005	93	473321	NC	NC	
52 Chloroform	83	4.622	4.622	0.000	98	323987	50.0	55.8	
53 Cyclohexane	56	4.775	4.775	0.000	93	298858	50.0	57.1	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	99	288024	50.0	56.4	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	94	148352	50.0	53.7	
56 Carbon tetrachloride	117	4.910	4.916	-0.006	98	255533	50.0	56.3	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	98	259013	50.0	57.5	
58 Isobutyl alcohol	43	5.040	5.040	0.000	97	86289	NC	NC	
59 Isooctane	57	5.116	5.122	-0.006	97	416916	NC	NC	
60 Benzene	78	5.163	5.163	0.000	97	723551	50.0	57.1	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	157597	50.0	53.5	
62 Isopropyl acetate	61	5.198	5.193	0.005	97	47413	50.0	48.1	
63 Tert-amyl methyl ether	87	5.210	5.216	-0.006	98	124572	NC	NC	
64 1,2-Dichloroethane	62	5.263	5.257	0.006	98	219049	50.0	55.7	
65 n-Heptane	71	5.310	5.310	0.000	95	109010	50.0	64.5	
* 66 Fluorobenzene	96	5.469	5.469	0.000	98	481507	50.0	50.0	
67 n-Butanol	56	5.763	5.769	-0.006	90	55277	1250.0	1500.6	
68 Trichloroethene	95	5.857	5.857	0.000	98	189111	50.0	53.0	
69 Ethyl acrylate	99	5.987	5.993	-0.006	96	21365	50.0	57.3	
70 Methylcyclohexane	83	5.998	6.004	-0.006	92	274323	50.0	57.2	
71 1,2-Dichloropropane	63	6.187	6.187	0.000	88	179187	50.0	55.8	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	17661	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.257	-0.006	91	161185	100.0	111.2	
75 1,4-Dioxane	88	6.298	6.298	0.000	32	24201	1000.0	1070.6	
74 n-Propyl acetate	43	6.310	6.310	0.000	99	159249	50.0	57.9	
76 Dibromomethane	93	6.328	6.328	0.000	97	96622	50.0	55.3	
77 Dichlorobromomethane	83	6.487	6.487	0.000	99	244998	50.0	55.1	
78 2-Chloroethyl vinyl ether	63	6.869	6.869	0.000	49	13869	50.1	45.0	
79 2-Nitropropane	41	6.875	6.875	0.000	92	56076	NC	NC	
80 Epichlorohydrin	57	6.992	6.992	0.000	98	178029	1000.0	1175.8	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	94	296363	50.0	58.6	
82 4-Methyl-2-pentanone (MIBK)	43	7.245	7.251	-0.006	98	504562	250.0	300.8	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	560537	50.0	52.7	
84 Toluene	91	7.434	7.434	0.000	94	758162	50.0	56.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	97	248987	50.0	58.0	
85 Ethyl methacrylate	69	7.875	7.875	0.000	89	154011	NC	NC	
87 1,1,2-Trichloroethane	83	8.110	8.110	0.000	95	114479	50.0	54.4	
88 Tetrachloroethene	166	8.169	8.169	0.000	97	198393	50.0	55.1	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	96	232727	50.0	55.8	
90 2-Hexanone	58	8.481	8.481	0.000	97	177783	250.0	310.4	
91 n-Butyl acetate	73	8.633	8.628	0.005	98	27697	50.0	51.8	
92 Chlorodibromomethane	129	8.698	8.698	0.000	97	164564	50.0	55.2	
93 Ethylene Dibromide	107	8.881	8.881	0.000	96	134249	50.0	58.3	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	401564	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	95	491526	50.0	55.7	
96 Ethylbenzene	106	9.522	9.528	-0.006	99	266601	50.0	55.8	
97 1,1,1,2-Tetrachloroethane	131	9.533	9.534	-0.001	94	171363	50.0	58.0	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	339844	50.0	57.7	
99 n-Butyl acrylate	73	10.004	10.004	0.000	96	96438	50.0	60.9	
100 o-Xylene	106	10.022	10.028	-0.006	93	328836	50.0	56.9	
101 Styrene	104	10.051	10.051	0.000	96	543324	50.0	57.7	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	214646	50.0	54.0	
103 Bromoform	173	10.228	10.228	0.000	96	103726	50.0	58.3	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	850230	50.0	58.4	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	91	184249	50.0	53.4	
107 Bromobenzene	156	10.592	10.592	0.000	95	214216	50.0	55.5	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	98	149544	50.0	59.0	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	1059397	50.0	57.5	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	97	43554	50.0	58.5	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	87	44344	NC	NC	
169 4-Ethyltoluene	105	10.722	10.722	0.000	89	861004	NC	NC	
112 2-Chlorotoluene	91	10.722	10.728	-0.006	93	702194	50.0	57.0	
113 1,3,5-Trimethylbenzene	105	10.769	10.775	-0.006	93	717021	50.0	58.0	
115 4-Chlorotoluene	91	10.804	10.810	-0.006	97	629384	50.0	56.3	
114 Butyl Methacrylate	87	10.839	10.839	0.000	92	197680	50.0	52.9	
116 tert-Butylbenzene	119	10.986	10.992	-0.006	94	610920	50.0	56.6	
117 1,2,4-Trimethylbenzene	105	11.027	11.033	-0.006	98	727547	50.0	55.1	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	99	177434	50.0	56.0	
119 4-Isopropyltoluene	119	11.227	11.233	-0.006	98	764792	50.0	58.0	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	96	417582	50.0	57.2	
* 121 1,4-Dichlorobenzene-d4	152	11.286	11.292	-0.006	94	227600	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	94	425773	50.0	56.3	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	98	740564	50.0	56.8	
124 Benzyl chloride	91	11.404	11.410	-0.006	98	274229	50.0	59.0	
162 2,3-Dihydroindene	117	11.451	11.457	-0.006	94	722002	NC	NC	
164 p-Diethylbenzene	119	11.480	11.486	-0.006	93	461853	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	97	377297	50.0	58.2	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	96	375715	50.0	56.2	
163 1,2,4,5-Tetramethylbenzene	119	12.039	12.045	-0.006	97	690159	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	95	30260	50.0	61.3	
131 1,3,5-Trichlorobenzene	180	12.251	12.257	-0.006	97	304304	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.792	12.798	-0.006	92	269093	50.0	59.3	
133 Hexachlorobutadiene	225	12.880	12.886	-0.006	96	114696	50.0	60.6	
134 Naphthalene	128	13.045	13.051	-0.006	99	437874	50.0	57.8	
135 1,2,3-Trichlorobenzene	180	13.280	13.286	-0.006	95	212488	50.0	58.4	
S 136 1,2-Dichloroethene, Total	100				0		100.0	113.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		100.0	114.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00183	Amount Added: 50.00	Units: uL	
GASES Li_00571	Amount Added: 50.00	Units: uL	
524FREONS_00014	Amount Added: 50.00	Units: uL	
ACROLEIN W_00165	Amount Added: 10.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09704.D

Injection Date: 15-Feb-2024 12:06:30

Instrument ID: CVOAMS1

Operator ID:

Lims ID: STD50

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

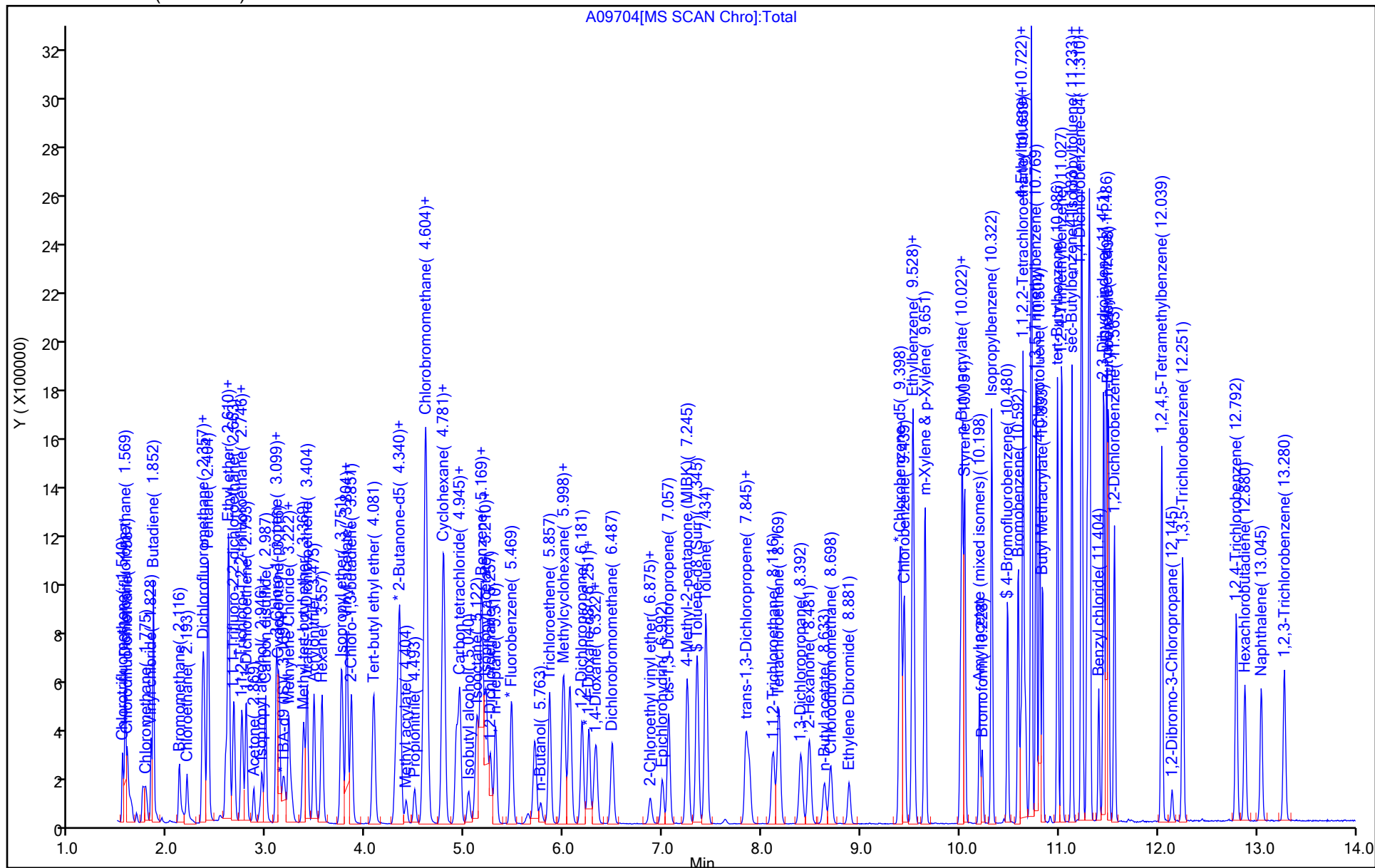
ALS Bottle#: 6

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

A09704[MS SCAN Chro]:Total



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09704.D
Injection Date: 15-Feb-2024 12:06:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

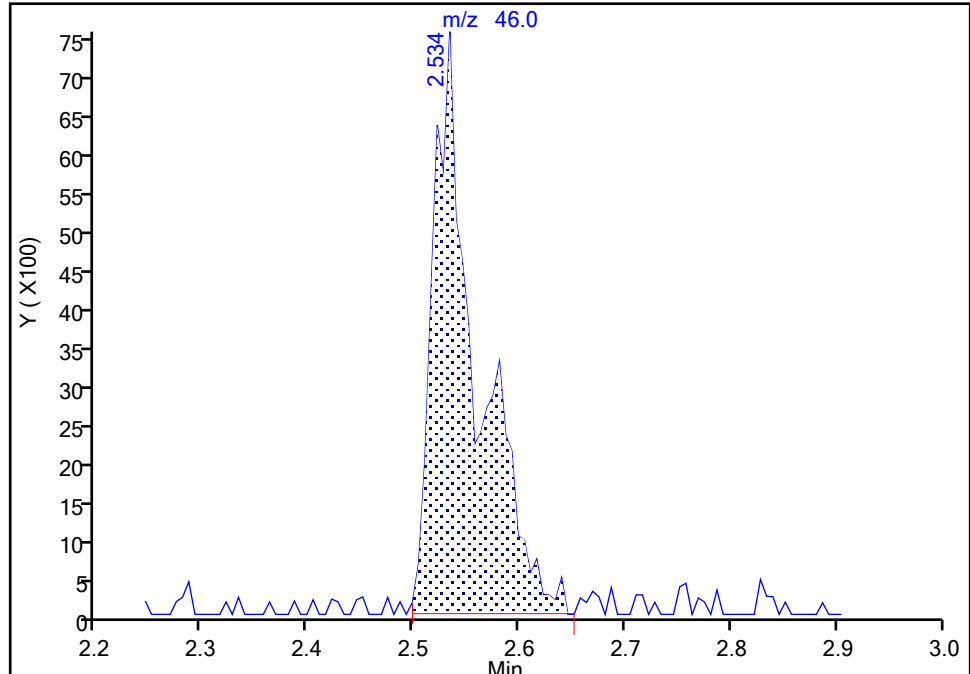
ALS Bottle#: 6 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

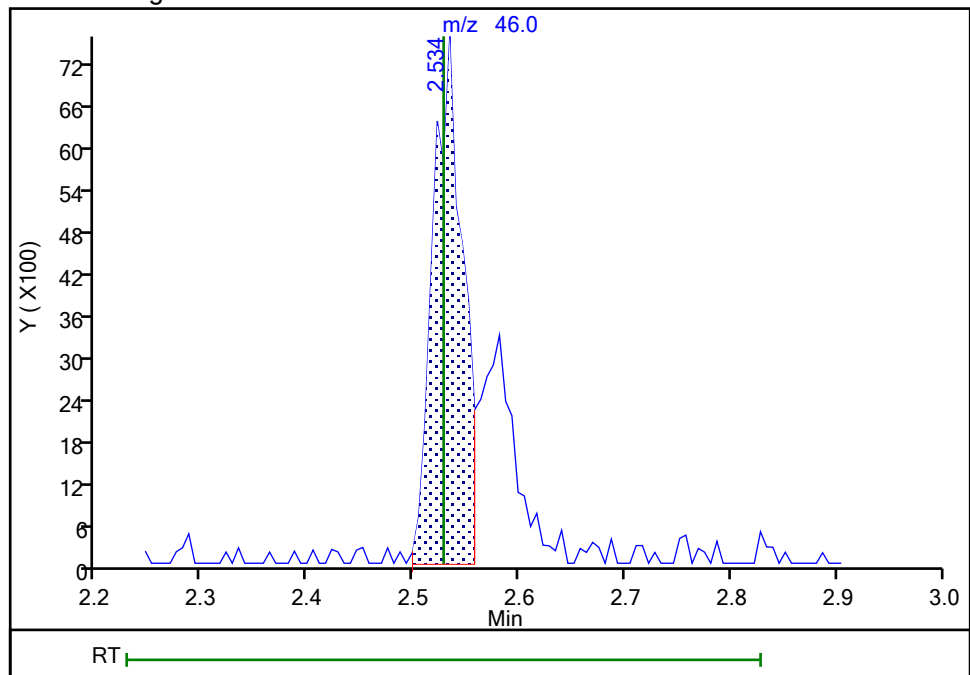
RT: 2.53
Area: 22112
Amount: 2397.9988
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 15026
Amount: 1921.4039
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 15-Feb-2024 19:05:18 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09705.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 15-Feb-2024 12:29:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0172348-008
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:30:30 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: KG2Q

Date: 15-Feb-2024 13:11:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	94	206248	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	99	1291048	200.0	194.5	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	97	1231568	NC	NC	
6 Chloromethane	50	1.769	1.746	0.023	100	1205339	200.0	195.8	
7 Vinyl chloride	62	1.828	1.828	0.000	98	1056815	200.0	189.6	
172 Butadiene	39	1.852	1.852	0.000	98	1051586	200.0	189.3	
9 Bromomethane	94	2.116	2.116	0.000	99	677598	200.0	202.3	
10 Chloroethane	64	2.193	2.193	0.000	100	573152	200.0	196.8	
174 Dichlorofluoromethane	67	2.346	2.352	-0.006	99	1513601	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	99	1252895	200.0	194.3	
13 Pentane	72	2.404	2.405	-0.001	96	230566	400.0	328.3	
14 Ethanol	46	2.522	2.528	-0.006	97	67581	8000.0	7146.1	M
15 Ethyl ether	59	2.581	2.581	0.000	94	472217	200.0	191.1	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	96	644448	200.0	193.0	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	93	610392	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	97	1001394	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	646502	200.0	188.6	
19 Acrolein	56	2.757	2.757	0.000	26	69222	200.0	224.5	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	98	607509	200.0	184.0	
22 Acetone	58	2.869	2.863	0.006	85	191447	1000.0	973.1	
24 Isopropyl alcohol	45	2.928	2.928	0.000	100	222918	2000.0	2110.2	
23 Iodomethane	142	2.951	2.946	0.005	99	982066	200.0	216.6	
25 Carbon disulfide	76	2.987	2.987	0.000	99	2148698	200.0	186.4	
161 3-Chloro-1-propene	76	3.098	3.099	-0.001	92	418044	200.0	190.2	
27 Methyl acetate	43	3.098	3.099	-0.001	75	591335	400.0	326.9	
166 Cyclopentene	67	3.122	3.122	0.000	93	1409647	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	99	570691	2000.0	1743.9	
* 30 TBA-d9 (IS)	65	3.181	3.175	0.006	0	138352	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	93	709992	200.0	190.5	
32 2-Methyl-2-propanol	59	3.246	3.252	-0.006	98	340771	2000.0	1838.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	97	1544849	200.0	200.0	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	96	685760	200.0	186.1	
35 Acrylonitrile	53	3.475	3.475	0.000	93	1451446	2000.0	1985.8	
36 Hexane	43	3.557	3.557	0.000	93	534889	200.0	186.6	
37 Isopropyl ether	45	3.757	3.757	0.000	98	2246647	200.0	202.9	
39 Vinyl acetate	86	3.804	3.804	0.000	100	220791	400.0	374.6	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	69	1242778	200.0	183.4	
40 2-Chloro-1,3-butadiene	88	3.851	3.852	-0.001	92	657773	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	89	1961212	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	187590	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.328	-0.012	96	242743	200.0	194.8	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	95	762222	200.0	184.7	
46 Ethyl acetate	70	4.340	4.346	-0.006	93	100181	400.0	352.9	
45 2-Butanone (MEK)	72	4.351	4.346	0.005	96	238004	1000.0	876.9	
47 Methyl acrylate	55	4.410	4.410	0.000	100	402250	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	98	572399	NC	NC	
50 Chlorobromomethane	128	4.575	4.581	-0.006	90	341966	200.0	187.4	
49 Tetrahydrofuran	42	4.581	4.587	-0.006	55	328810	400.0	336.6	
51 Methacrylonitrile	67	4.604	4.599	0.005	93	1954006	NC	NC	
52 Chloroform	83	4.622	4.622	0.000	98	1217215	200.0	184.6	
53 Cyclohexane	56	4.775	4.775	0.000	93	1094833	200.0	184.1	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	98	1076691	200.0	185.7	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	-0.001	95	146592	50.0	46.7	
56 Carbon tetrachloride	117	4.916	4.916	0.000	98	961309	200.0	186.5	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	95	952354	200.0	186.1	
58 Isobutyl alcohol	43	5.034	5.040	-0.006	98	369130	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	99	1652227	NC	NC	
60 Benzene	78	5.169	5.163	0.006	96	2746603	200.0	184.3	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	159474	50.0	47.7	
62 Isopropyl acetate	61	5.198	5.193	0.005	98	194854	200.0	174.0	
63 Tert-amyl methyl ether	87	5.216	5.216	0.000	96	503847	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	98	812004	200.0	181.8	
65 n-Heptane	71	5.310	5.310	0.000	94	397623	200.0	207.0	
* 66 Fluorobenzene	96	5.469	5.469	0.000	98	546838	50.0	50.0	
67 n-Butanol	56	5.763	5.769	-0.006	88	255376	5000.0	5732.7	
68 Trichloroethene	95	5.857	5.857	0.000	98	733167	200.0	180.9	
69 Ethyl acrylate	99	5.981	5.993	-0.012	99	81827	200.0	193.4	
70 Methylcyclohexane	83	5.998	6.004	-0.006	93	1030330	200.0	189.1	
71 1,2-Dichloropropane	63	6.187	6.187	0.000	90	693094	200.0	190.2	
* 73 1,4-Dioxane-d8	96	6.245	6.240	0.005	0	17750	1000.0	1000.0	a
72 Methyl methacrylate	69	6.251	6.257	-0.006	90	672167	400.0	408.5	
75 1,4-Dioxane	88	6.298	6.298	0.000	31	92895	4000.0	4088.8	
74 n-Propyl acetate	43	6.310	6.310	0.000	99	661459	200.0	211.6	
76 Dibromomethane	93	6.328	6.328	0.000	95	368938	200.0	185.8	
77 Dichlorobromomethane	83	6.487	6.487	-0.001	99	974607	200.0	193.1	
78 2-Chloroethyl vinyl ether	63	6.869	6.869	0.000	52	86782	200.5	247.9	
79 2-Nitropropane	41	6.875	6.875	0.000	91	248233	NC	NC	
80 Epichlorohydrin	57	6.998	6.992	0.006	100	770681	4000.0	4039.4	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	94	1173636	200.0	197.3	
82 4-Methyl-2-pentanone (MIBK)	43	7.245	7.251	-0.006	97	2014497	1000.0	953.0	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	100	606030	50.0	48.5	
84 Toluene	91	7.434	7.434	0.000	93	3050740	200.0	192.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	99	1014244	200.0	201.2	
85 Ethyl methacrylate	69	7.875	7.875	0.000	90	647111	NC	NC	
87 1,1,2-Trichloroethane	83	8.110	8.110	0.000	96	468365	200.0	189.4	
88 Tetrachloroethene	166	8.175	8.169	0.006	98	782222	200.0	185.0	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	95	952601	200.0	194.4	
90 2-Hexanone	58	8.481	8.481	-0.001	97	725601	1000.0	1005.6	
91 n-Butyl acetate	73	8.628	8.628	0.000	98	121600	200.0	191.4	
92 Chlorodibromomethane	129	8.692	8.698	-0.006	98	678968	200.0	193.9	
93 Ethylene Dibromide	107	8.880	8.881	-0.001	97	536865	200.0	198.5	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	471856	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	1950778	200.0	188.3	
96 Ethylbenzene	106	9.527	9.528	-0.001	98	1070350	200.0	190.7	
97 1,1,1,2-Tetrachloroethane	131	9.533	9.534	-0.001	94	715296	200.0	206.1	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	1323247	200.0	191.2	
99 n-Butyl acrylate	73	10.004	10.004	0.000	97	425319	200.0	228.6	
100 o-Xylene	106	10.027	10.028	-0.001	93	1313168	200.0	193.3	
101 Styrene	104	10.051	10.051	0.000	96	2184240	200.0	197.3	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	921100	200.0	199.3	
103 Bromoform	173	10.227	10.228	-0.001	96	416330	200.0	199.0	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	3354912	200.0	196.0	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	91	196450	50.0	48.5	
107 Bromobenzene	156	10.592	10.592	0.000	96	843646	200.0	189.9	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	98	577183	200.0	197.8	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	4100503	200.0	193.4	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	96	161321	200.0	188.1	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	92	173148	NC	NC	
169 4-Ethyltoluene	105	10.727	10.722	0.005	92	3581314	NC	NC	
112 2-Chlorotoluene	91	10.722	10.728	-0.006	91	2759853	200.0	194.6	
113 1,3,5-Trimethylbenzene	105	10.774	10.775	-0.001	93	2847111	200.0	199.9	
115 4-Chlorotoluene	91	10.810	10.810	0.000	97	2445133	200.0	190.1	
114 Butyl Methacrylate	87	10.839	10.839	0.000	92	904527	200.0	208.4	
116 tert-Butylbenzene	119	10.992	10.992	0.000	94	2378783	200.0	191.5	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	98	2958896	200.0	194.7	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	99	718586	200.0	197.0	
119 4-Isopropyltoluene	119	11.227	11.233	-0.006	97	3082228	200.0	203.0	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	97	1685626	200.0	200.6	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	94	262029	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	95	1701997	200.0	195.6	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	99	3199454	200.0	213.2	
124 Benzyl chloride	91	11.404	11.410	-0.006	99	1275255	200.0	238.2	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	94	3062022	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	94	1990817	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	97	1526064	200.0	204.3	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	96	1509817	200.0	196.2	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	98	2911230	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	96	120941	200.0	212.9	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	97	1282259	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	93	1032907	200.0	197.6	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	96	411166	200.0	188.8	
134 Naphthalene	128	13.051	13.051	0.000	99	1654135	200.0	189.7	
135 1,2,3-Trichlorobenzene	180	13.280	13.286	-0.006	95	813329	200.0	194.3	
S 136 1,2-Dichloroethene, Total	100				0		400.0	370.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		400.0	384.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GAS Hi_00463	Amount Added: 20.00	Units: uL	
Ethanol mix_00086	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00145	Amount Added: 20.00	Units: uL	
MIX I Hi_00173	Amount Added: 20.00	Units: uL	
7 Freons Hi_00002	Amount Added: 20.00	Units: uL	
ACROLEIN W_00165	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09705.D

Injection Date: 15-Feb-2024 12:29:30

Instrument ID: CVOAMS1

Lims ID: STD200

Operator ID:

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

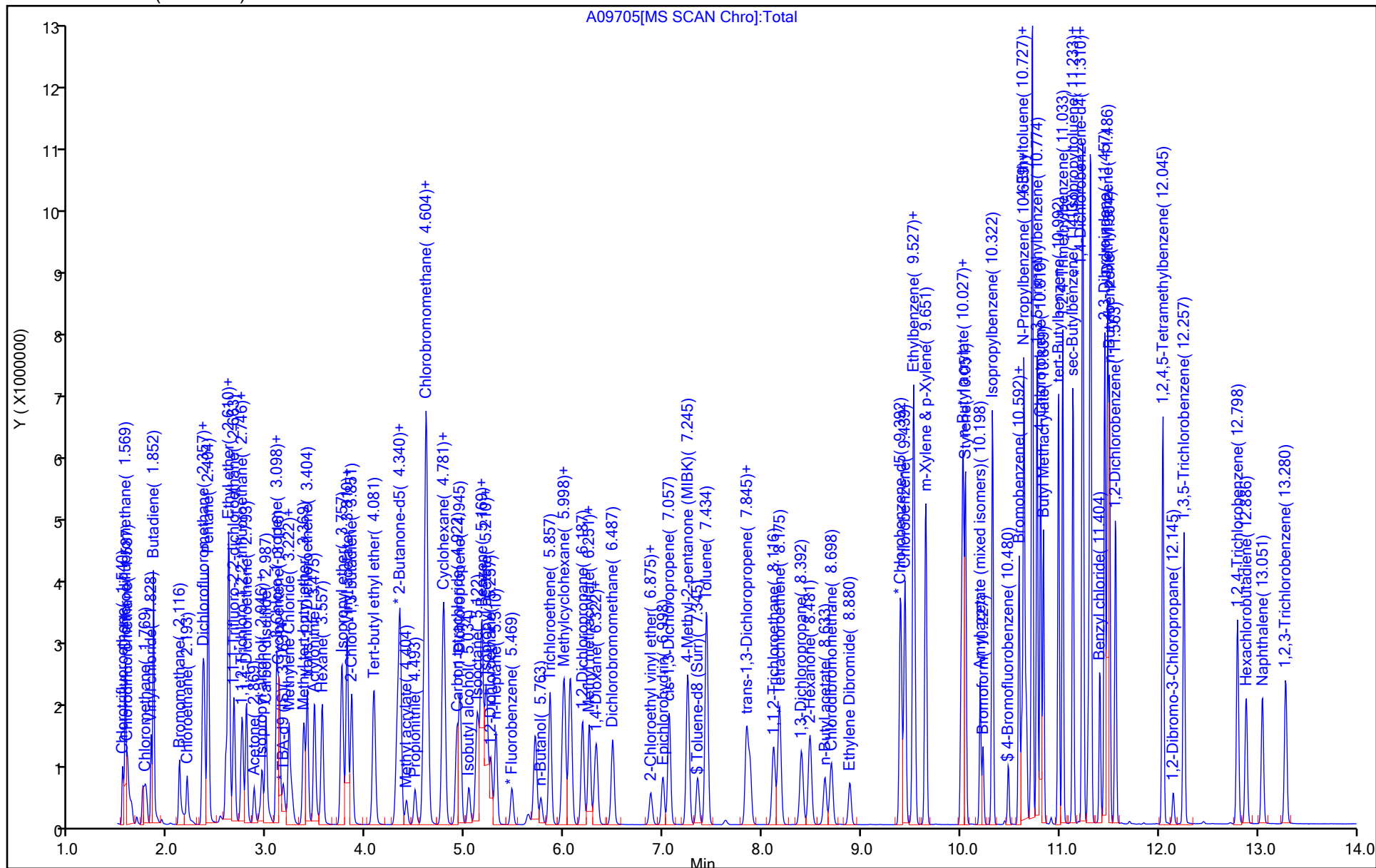
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

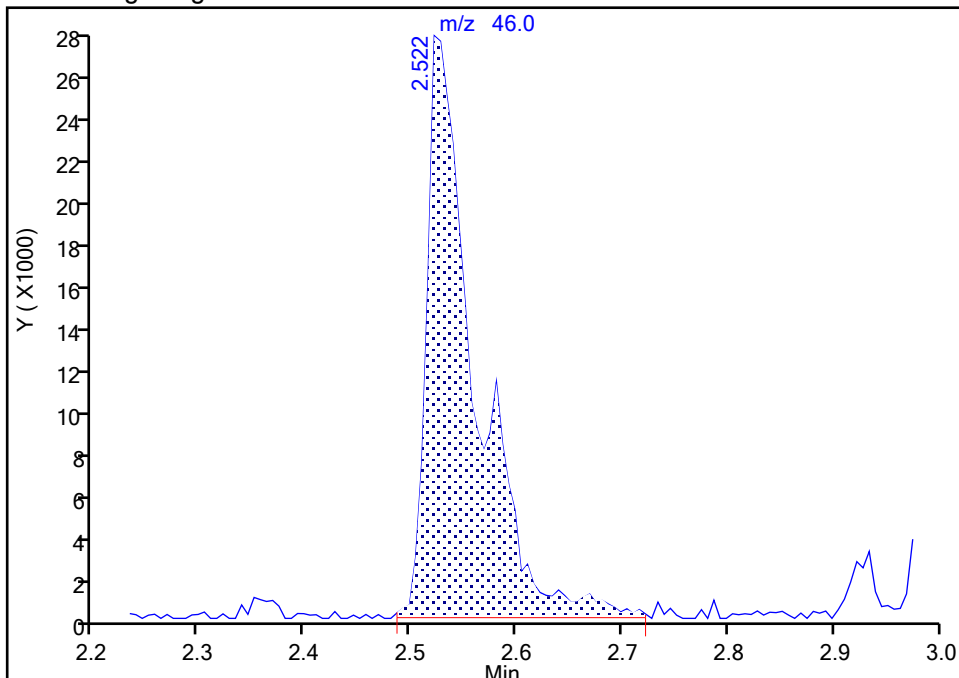


Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09705.D		
Injection Date:	15-Feb-2024 12:29:30	Instrument ID:	CVOAMS1
Lims ID:	STD200		
Client ID:			
Operator ID:		ALS Bottle#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA 624.1 ICA
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

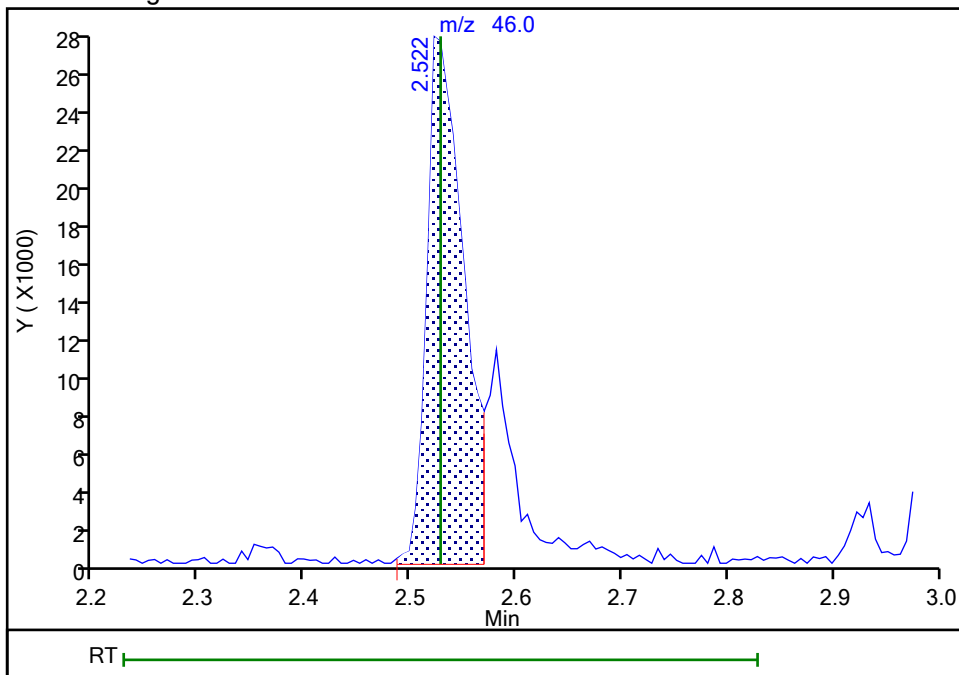
ALS Bottle#:	7	Worklist Smp#:	8
Dil. Factor:	1.0000		
Limit Group:	VOA 624.1 ICAL		
Detector	MS SCAN		

Signal: 1

Processing Integration Results



Manual Integration Results



Audit Reason: Split Peak

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09705.D

Injection Date: 15-Feb-2024 12:29:30

Instrument ID: CVOAMS1

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

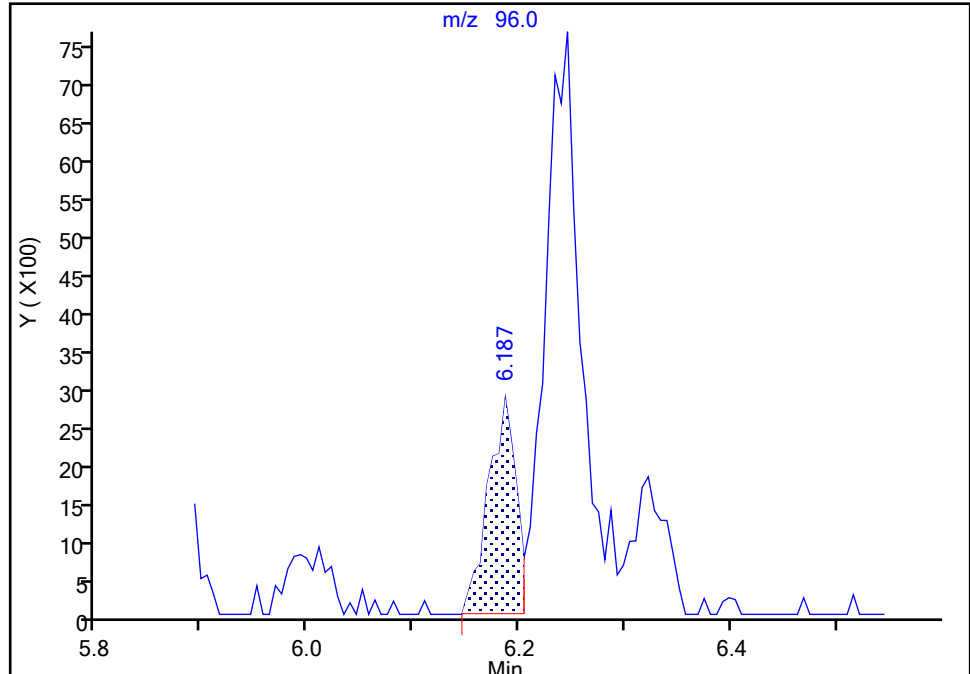
MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

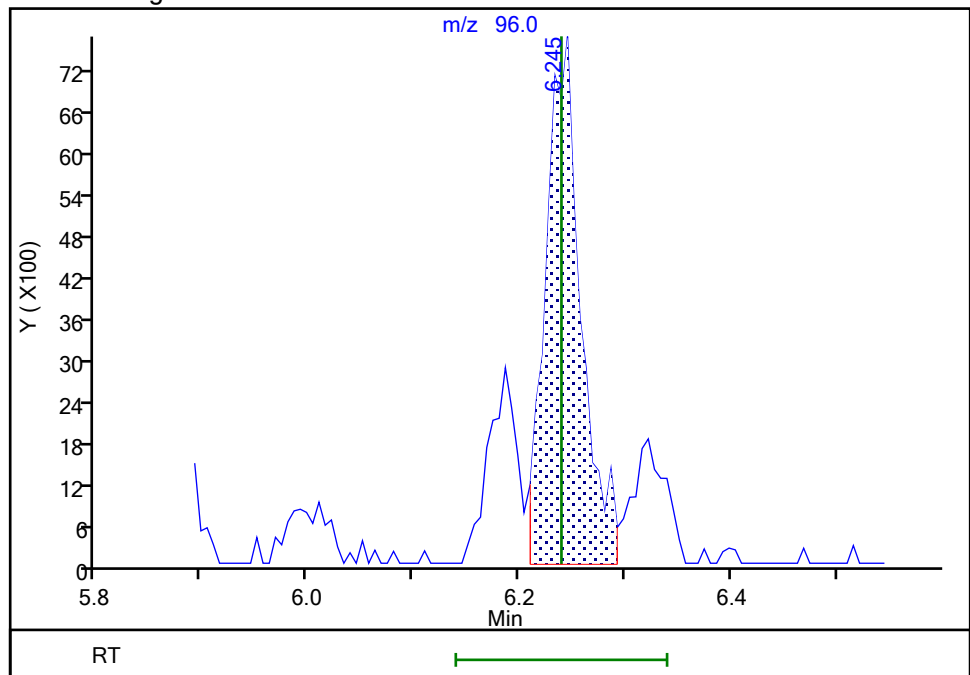
RT: 6.19
Area: 5217
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 6.25
Area: 17750
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: KG2Q, 15-Feb-2024 13:11:14 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Feb-2024 12:52:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0172348-009
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:30:48 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: KG2Q

Date: 15-Feb-2024 13:11:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	93	571880	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	100	3569052	500.0	504.5	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	98	3374483	NC	NC	
6 Chloromethane	50	1.769	1.746	0.023	100	3436388	500.0	523.9	
7 Vinyl chloride	62	1.828	1.828	0.000	99	3028442	500.0	509.9	
172 Butadiene	39	1.852	1.852	0.000	98	3061036	500.0	517.0	
9 Bromomethane	94	2.110	2.116	-0.006	99	1994920	500.0	559.0	
10 Chloroethane	64	2.187	2.193	-0.006	100	1642238	500.0	529.2	
174 Dichlorofluoromethane	67	2.346	2.352	-0.006	99	4308710	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	99	3663412	500.0	533.0	
13 Pentane	72	2.405	2.405	0.000	96	633805	1000.0	830.1	
14 Ethanol	46	2.528	2.528	0.000	99	250952	20000	24411	
15 Ethyl ether	59	2.581	2.581	0.000	95	1287807	500.0	489.0	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	96	1750325	500.0	491.9	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	93	1669778	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	96	2725423	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	1724859	500.0	472.1	
19 Acrolein	56	2.757	2.757	0.000	94	163259	400.0	487.1	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	99	1669835	500.0	474.7	
22 Acetone	58	2.869	2.863	0.006	87	461062	2500.0	2336.5	
24 Isopropyl alcohol	45	2.934	2.928	0.006	99	620284	5000.0	5401.6	
23 Iodomethane	142	2.946	2.946	0.000	99	2773562	500.0	574.1	
25 Carbon disulfide	76	2.987	2.987	0.000	99	5910705	500.0	481.1	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	93	1172567	500.0	500.7	
27 Methyl acetate	43	3.099	3.099	0.000	67	1582315	1000.0	804.7	
166 Cyclopentene	67	3.122	3.122	0.000	95	3795232	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	98	1667554	5000.0	4687.7	
* 30 TBA-d9 (IS)	65	3.181	3.175	0.006	0	150393	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	93	1905519	500.0	479.7	
32 2-Methyl-2-propanol	59	3.252	3.252	0.000	99	918508	5000.0	4558.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	97	4140764	500.0	503.0	
34 trans-1,2-Dichloroethene	96	3.405	3.404	0.000	95	1859974	500.0	473.6	
35 Acrylonitrile	53	3.481	3.475	0.006	94	4154553	5000.0	5334.0	
36 Hexane	43	3.557	3.557	0.000	93	1446916	500.0	473.7	
37 Isopropyl ether	45	3.757	3.757	0.000	98	6085295	500.0	515.9	
39 Vinyl acetate	86	3.804	3.804	0.000	100	615980	1000.0	961.5	
38 1,1-Dichloroethane	63	3.804	3.810	-0.006	70	3344124	500.0	463.1	
40 2-Chloro-1,3-butadiene	88	3.852	3.852	0.000	92	1736900	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	89	5277446	NC	NC	
* 42 2-Butanone-d5	46	4.299	4.293	0.006	0	188146	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.328	-0.012	97	656886	500.0	494.8	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	95	2080224	500.0	473.0	
46 Ethyl acetate	70	4.346	4.346	0.000	94	271612	1000.0	951.4	
45 2-Butanone (MEK)	72	4.351	4.346	0.005	96	607051	2500.0	2230.1	
47 Methyl acrylate	55	4.404	4.410	-0.006	100	1063067	NC	NC	
48 Propionitrile	54	4.499	4.493	0.006	98	1562632	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	93	925110	500.0	475.7	
49 Tetrahydrofuran	42	4.581	4.587	-0.006	65	860110	1000.0	877.9	
51 Methacrylonitrile	67	4.604	4.599	0.005	93	5099188	NC	NC	
52 Chloroform	83	4.628	4.622	0.006	99	3245630	500.0	461.9	
53 Cyclohexane	56	4.775	4.775	0.000	93	3003792	500.0	474.1	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	98	2893408	500.0	468.4	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	74	163377	50.0	48.9	
56 Carbon tetrachloride	117	4.916	4.916	0.000	99	2599295	500.0	473.2	
57 1,1-Dichloropropene	75	4.951	4.951	0.000	97	2597320	500.0	476.3	
58 Isobutyl alcohol	43	5.040	5.040	0.000	97	1048279	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	98	4330518	NC	NC	
60 Benzene	78	5.163	5.163	0.000	96	7395254	500.0	466.1	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	175661	50.0	49.3	
62 Isopropyl acetate	61	5.199	5.193	0.005	98	510203	500.0	427.6	
63 Tert-amyl methyl ether	87	5.216	5.216	0.000	97	1343589	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	97	2115511	500.0	444.6	
65 n-Heptane	71	5.310	5.310	0.000	94	1037733	500.0	507.0	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	582719	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	88	709391	12500	14649	
68 Trichloroethene	95	5.857	5.857	0.000	98	2001137	500.0	463.4	
69 Ethyl acrylate	99	5.987	5.993	-0.006	98	229293	500.0	508.6	
70 Methylcyclohexane	83	5.998	6.004	-0.006	92	2821522	500.0	485.9	
71 1,2-Dichloropropane	63	6.187	6.187	0.000	90	1920298	500.0	494.5	
* 73 1,4-Dioxane-d8	96	6.245	6.240	0.005	0	19389	1000.0	1000.0	a
72 Methyl methacrylate	69	6.251	6.257	-0.006	90	1789389	1000.0	1020.5	
75 1,4-Dioxane	88	6.310	6.298	0.012	37	253710	10000	10223	
74 n-Propyl acetate	43	6.310	6.310	0.000	99	1751278	500.0	525.9	
76 Dibromomethane	93	6.328	6.328	0.000	96	981087	500.0	463.7	
77 Dichlorobromomethane	83	6.487	6.487	0.000	99	2592742	500.0	482.1	
78 2-Chloroethyl vinyl ether	63	6.869	6.869	0.000	90	356081	501.2	954.5	
79 2-Nitropropane	41	6.875	6.875	0.000	94	666125	NC	NC	
80 Epichlorohydrin	57	6.998	6.992	0.006	99	2103931	10000	10995	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	94	3231056	500.0	510.2	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	97	5350301	2500.0	2523.7	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	672403	50.0	50.5	
84 Toluene	91	7.440	7.434	0.006	94	8283765	500.0	489.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.840	7.839	0.001	98	2777003	500.0	517.5	
85 Ethyl methacrylate	69	7.875	7.875	0.000	89	1754855	NC	NC	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	96	1260848	500.0	478.9	
88 Tetrachloroethene	166	8.175	8.169	0.006	99	2109277	500.0	468.4	
89 1,3-Dichloropropane	76	8.392	8.392	0.000	95	2522224	500.0	483.4	
90 2-Hexanone	58	8.481	8.481	0.000	97	1915107	2500.0	2646.2	
91 n-Butyl acetate	73	8.634	8.628	0.006	99	327964	500.0	483.8	
92 Chlorodibromomethane	129	8.698	8.698	0.000	98	1823703	500.0	489.0	
93 Ethylene Dibromide	107	8.886	8.881	0.005	98	1438885	500.0	499.7	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	84	502442	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	5404552	500.0	489.8	
96 Ethylbenzene	106	9.528	9.528	0.000	98	2914857	500.0	487.6	
97 1,1,1,2-Tetrachloroethane	131	9.539	9.534	0.005	95	1928380	500.0	521.9	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	3518091	500.0	477.4	
99 n-Butyl acrylate	73	10.004	10.004	0.000	97	1151809	500.0	581.4	
100 o-Xylene	106	10.028	10.028	0.000	94	3531889	500.0	488.2	
101 Styrene	104	10.051	10.051	0.000	96	5792802	500.0	491.5	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	2485493	500.0	519.2	
103 Bromoform	173	10.228	10.228	0.000	97	1130977	500.0	507.8	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	8812825	500.0	483.4	
\$ 105 4-Bromofluorobenzene	174	10.486	10.480	0.006	93	214302	50.0	49.6	
107 Bromobenzene	156	10.592	10.592	0.000	96	2342420	500.0	510.0	
106 1,1,2,2-Tetrachloroethane	83	10.622	10.616	0.006	99	1614446	500.0	535.2	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	10467994	500.0	477.7	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	97	438705	500.0	495.0	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	91	465982	NC	NC	
169 4-Ethyltoluene	105	10.728	10.722	0.006	97	9157289	NC	NC	
112 2-Chlorotoluene	91	10.728	10.728	0.000	97	7221147	500.0	492.5	
113 1,3,5-Trimethylbenzene	105	10.775	10.775	0.000	94	7425354	500.0	504.5	
115 4-Chlorotoluene	91	10.810	10.810	0.000	97	6457810	500.0	485.9	
114 Butyl Methacrylate	87	10.839	10.839	0.000	91	2398354	500.0	533.8	
116 tert-Butylbenzene	119	10.992	10.992	0.000	94	6330295	500.0	493.0	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	97	7652054	500.0	487.2	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	98	1910801	500.0	506.8	
119 4-Isopropyltoluene	119	11.228	11.233	-0.005	97	7906299	500.0	503.7	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	96	4394937	500.0	506.1	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	96	270823	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	95	4391630	500.0	488.3	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	98	7977133	500.0	514.4	
124 Benzyl chloride	91	11.404	11.410	-0.006	99	3289645	500.0	594.6	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	95	7596400	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	93	5010875	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	98	3862863	500.0	500.4	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	96	3805821	500.0	478.5	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	98	7320358	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	96	313555	500.0	534.1	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	98	3317818	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	94	2702998	500.0	500.4	
133 Hexachlorobutadiene	225	12.880	12.886	-0.006	97	1079389	500.0	479.5	
134 Naphthalene	128	13.045	13.051	-0.006	99	4353895	500.0	483.2	
135 1,2,3-Trichlorobenzene	180	13.280	13.286	-0.006	96	2069630	500.0	478.4	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	946.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		1000.0	965.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

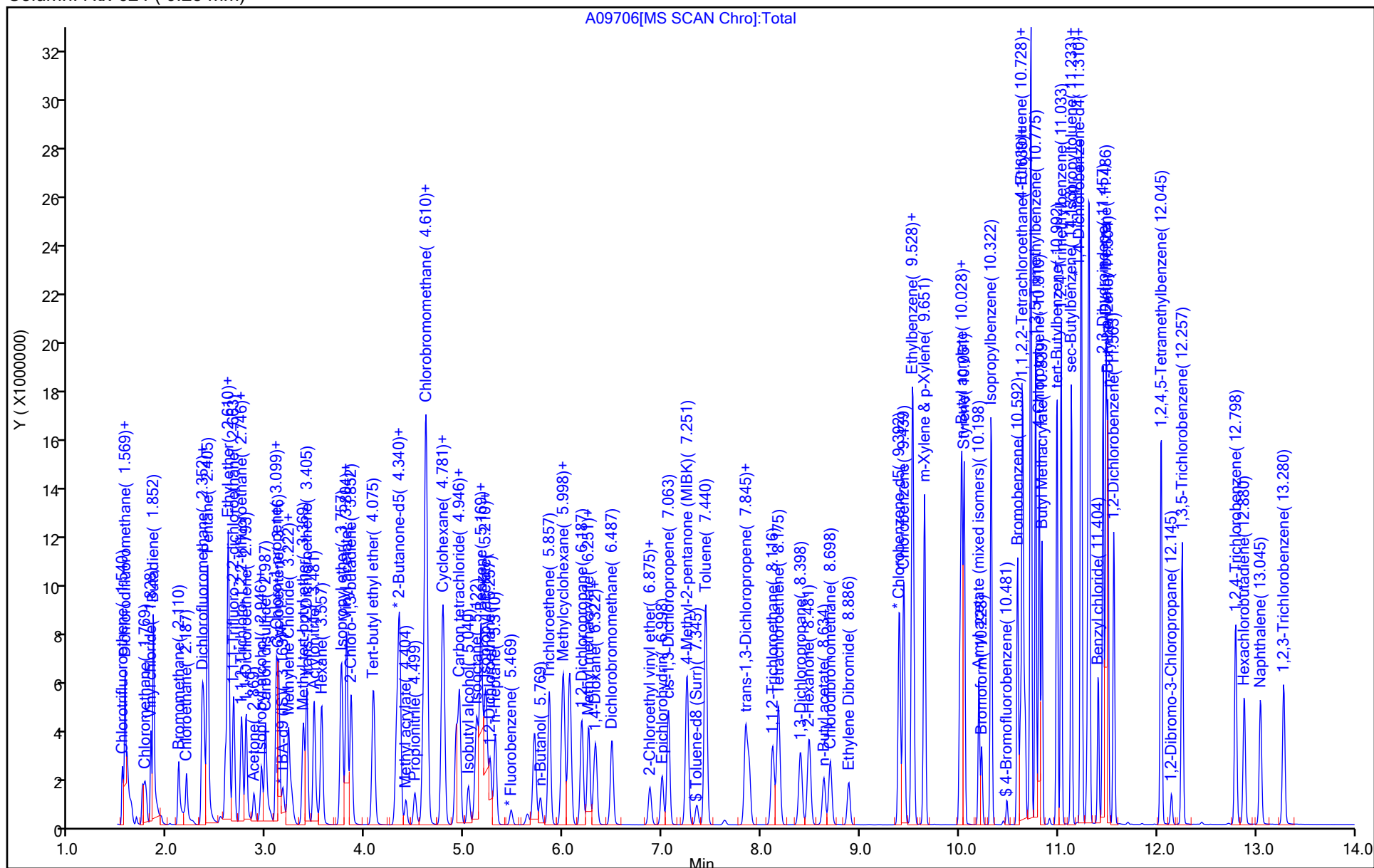
Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00463	Amount Added: 50.00	Units: uL	
Ethanol mix_00086	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00145	Amount Added: 50.00	Units: uL	
MIX I Hi_00173	Amount Added: 50.00	Units: uL	
7 Freons Hi_00002	Amount Added: 50.00	Units: uL	
ACROLEIN W_00165	Amount Added: 40.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Column: Rtx-624 (0.25 mm)



Eurofins Edison

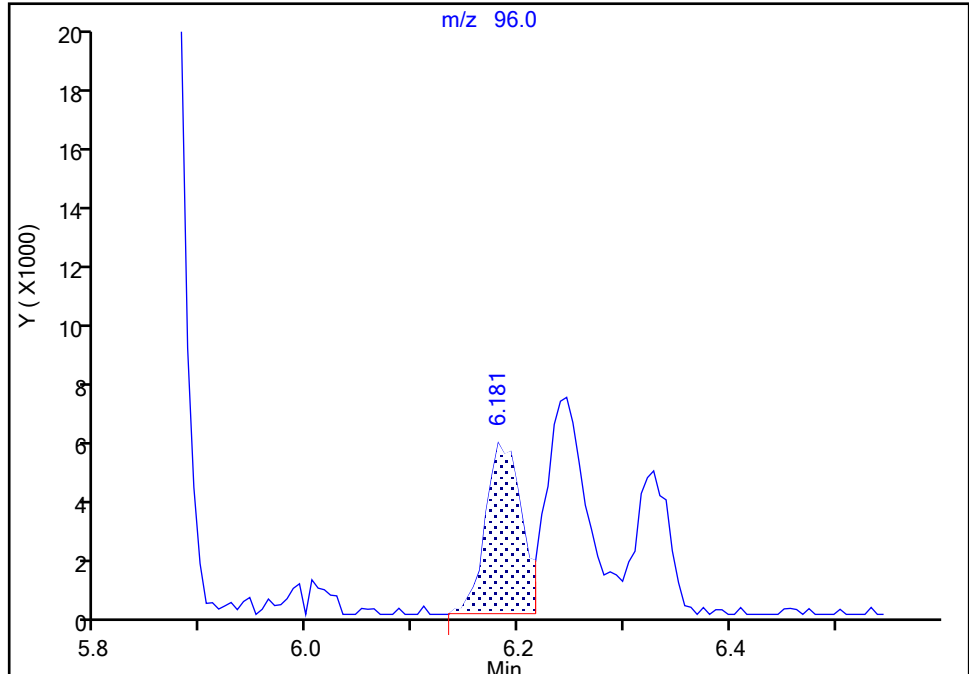
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Injection Date: 15-Feb-2024 12:52:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 8 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4
Signal: 1

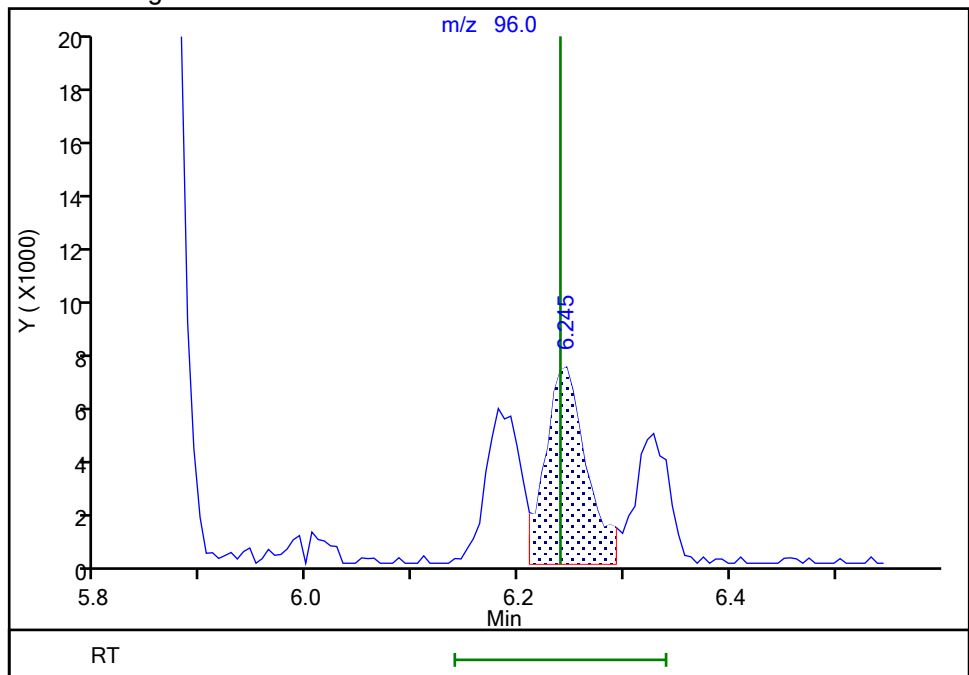
Processing Integration Results

RT: 6.18
Area: 13467
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.25
Area: 19389
Amount: 1000.0000
Amount Units: ug/l



Reviewer: KG2Q, 15-Feb-2024 13:10:56 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Calibration

/ Dichlorodifluoromethane

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

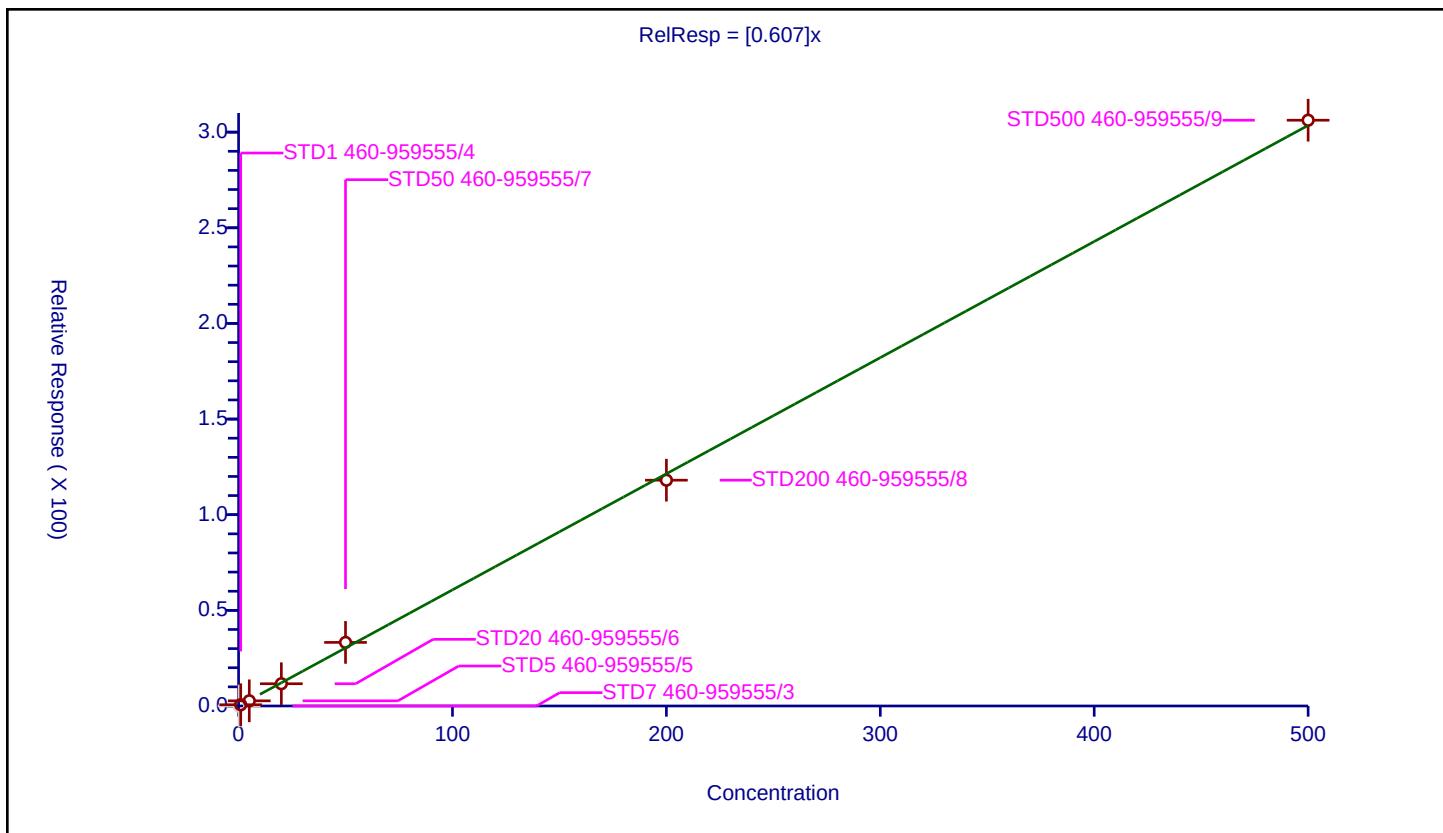
Curve Coefficients

Intercept: 0
Slope: 0.607

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.65401	50.0	540512.0	0.65401	Y
3	STD5 460-959555/5	5.0	2.6959	50.0	525854.0	0.53918	Y
4	STD20 460-959555/6	20.0	11.63201	50.0	504225.0	0.5816	Y
5	STD50 460-959555/7	50.0	33.235758	50.0	481507.0	0.664715	Y
6	STD200 460-959555/8	200.0	118.046661	50.0	546838.0	0.590233	Y
7	STD500 460-959555/9	500.0	306.241259	50.0	582719.0	0.612483	Y



Calibration

/ Chloromethane

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

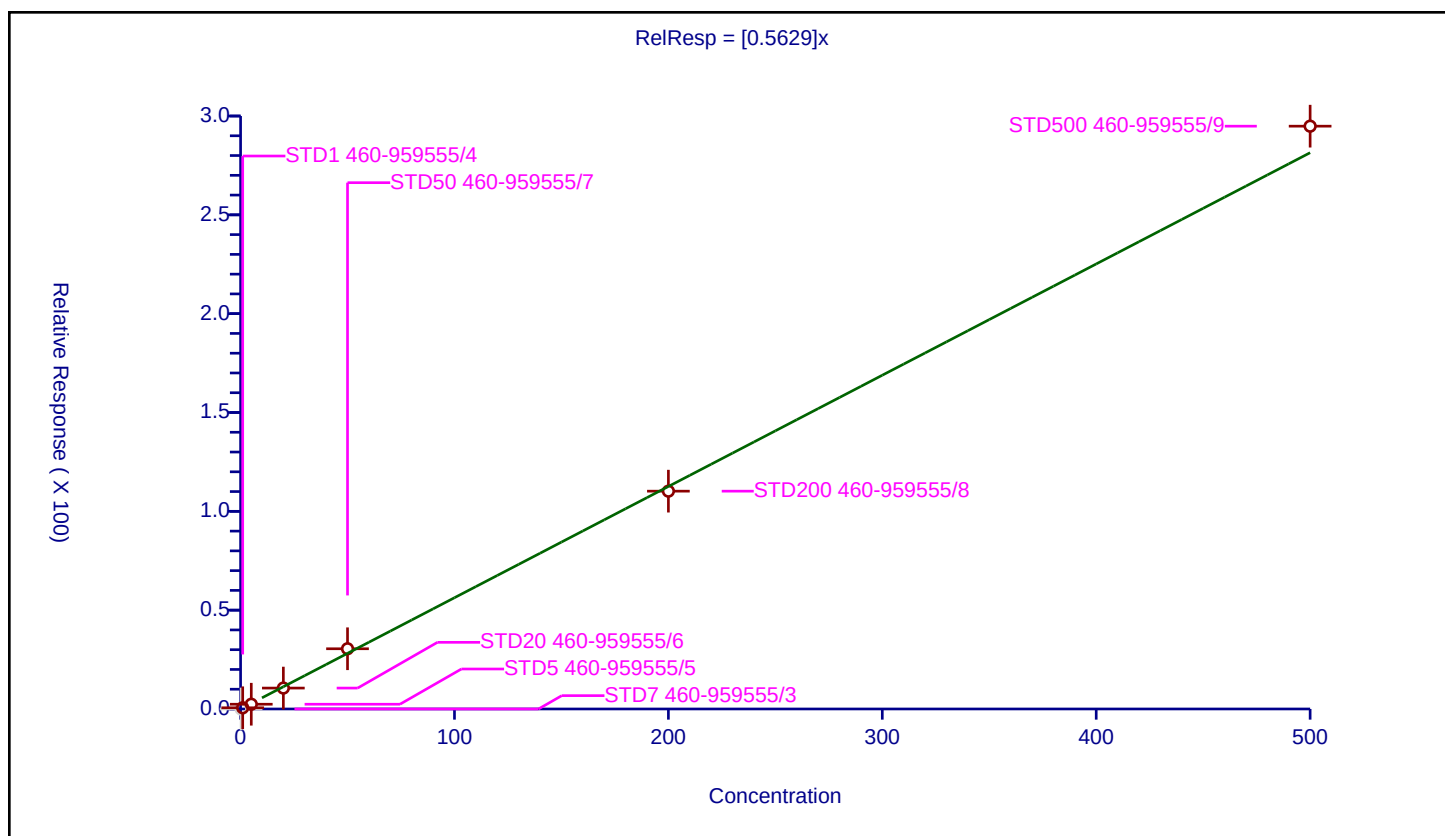
Curve Coefficients

Intercept: 0
Slope: 0.5629

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.616545	50.0	540512.0	0.616545	Y
3	STD5 460-959555/5	5.0	2.405611	50.0	525854.0	0.481122	Y
4	STD20 460-959555/6	20.0	10.585949	50.0	504225.0	0.529297	Y
5	STD50 460-959555/7	50.0	30.47152	50.0	481507.0	0.60943	Y
6	STD200 460-959555/8	200.0	110.209879	50.0	546838.0	0.551049	Y
7	STD500 460-959555/9	500.0	294.858071	50.0	582719.0	0.589716	Y



Calibration

/ Vinyl chloride

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

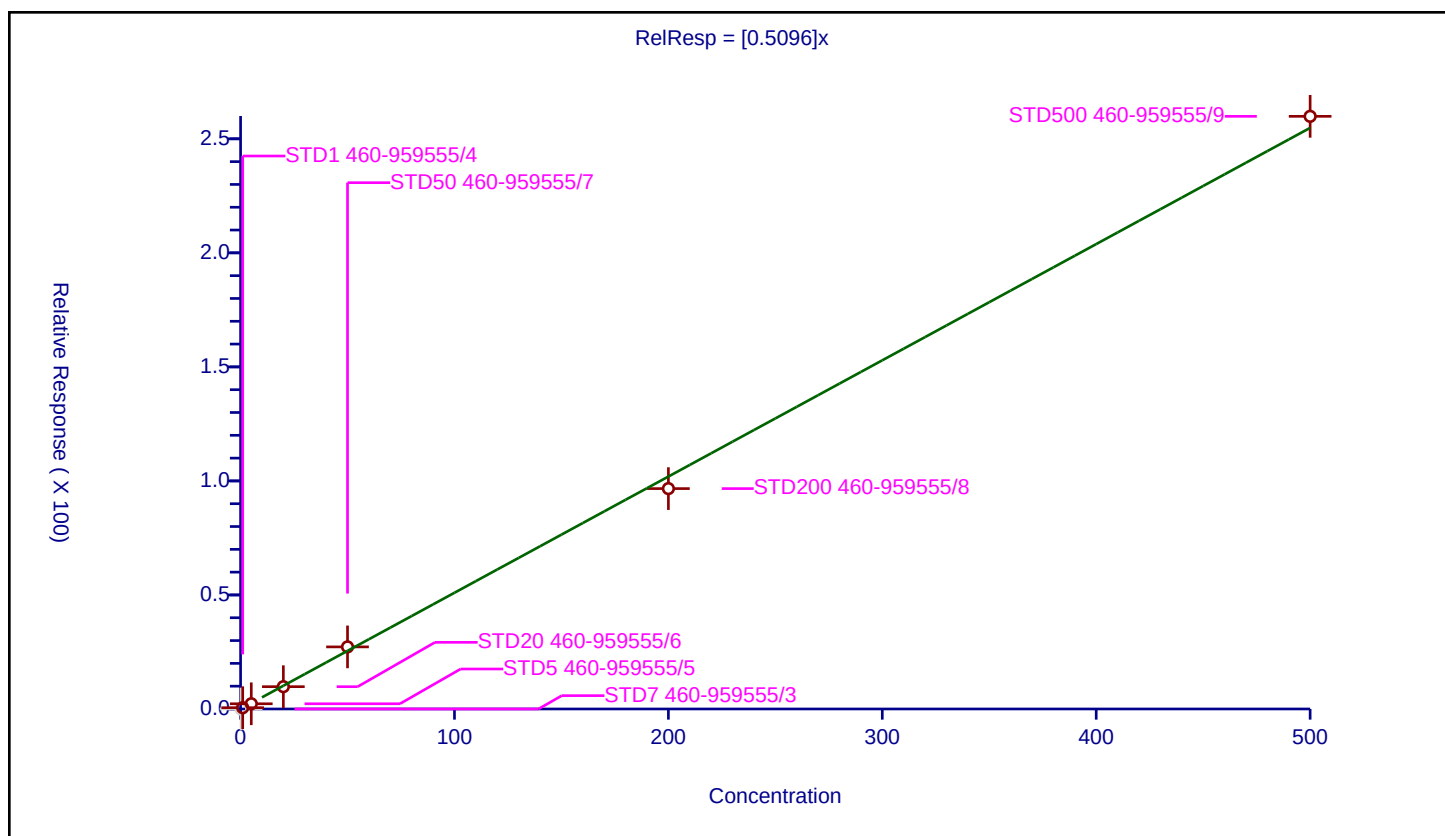
Curve Coefficients

Intercept: 0
Slope: 0.5096

Error Coefficients

Relative Standard Deviation: 7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.563262	50.0	540512.0	0.563262	Y
3	STD5 460-959555/5	5.0	2.289038	50.0	525854.0	0.457808	Y
4	STD20 460-959555/6	20.0	9.784917	50.0	504225.0	0.489246	Y
5	STD50 460-959555/7	50.0	27.2211	50.0	481507.0	0.544422	Y
6	STD200 460-959555/8	200.0	96.629623	50.0	546838.0	0.483148	Y
7	STD500 460-959555/9	500.0	259.854407	50.0	582719.0	0.519709	Y



Calibration

/ Butadiene

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

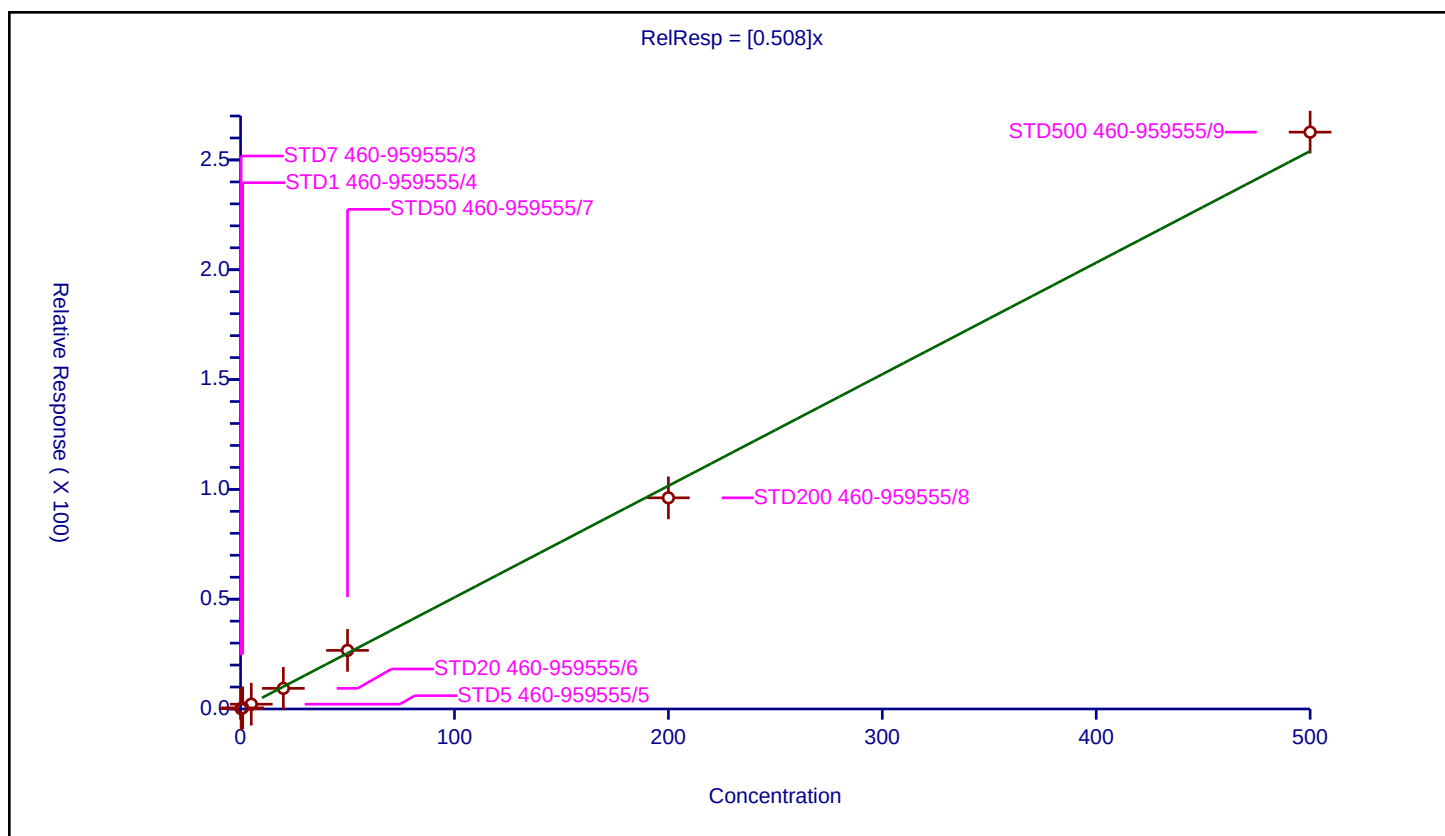
Curve Coefficients

Intercept: 0
Slope: 0.508

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.147604	50.0	537249.0	0.590415	Y
2	STD1 460-959555/4	1.0	0.51849	50.0	540512.0	0.51849	Y
3	STD5 460-959555/5	5.0	2.191102	50.0	525854.0	0.43822	Y
4	STD20 460-959555/6	20.0	9.386286	50.0	504225.0	0.469314	Y
5	STD50 460-959555/7	50.0	26.682063	50.0	481507.0	0.533641	Y
6	STD200 460-959555/8	200.0	96.151511	50.0	546838.0	0.480758	Y
7	STD500 460-959555/9	500.0	262.651123	50.0	582719.0	0.525302	Y



Calibration

/ Bromomethane

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

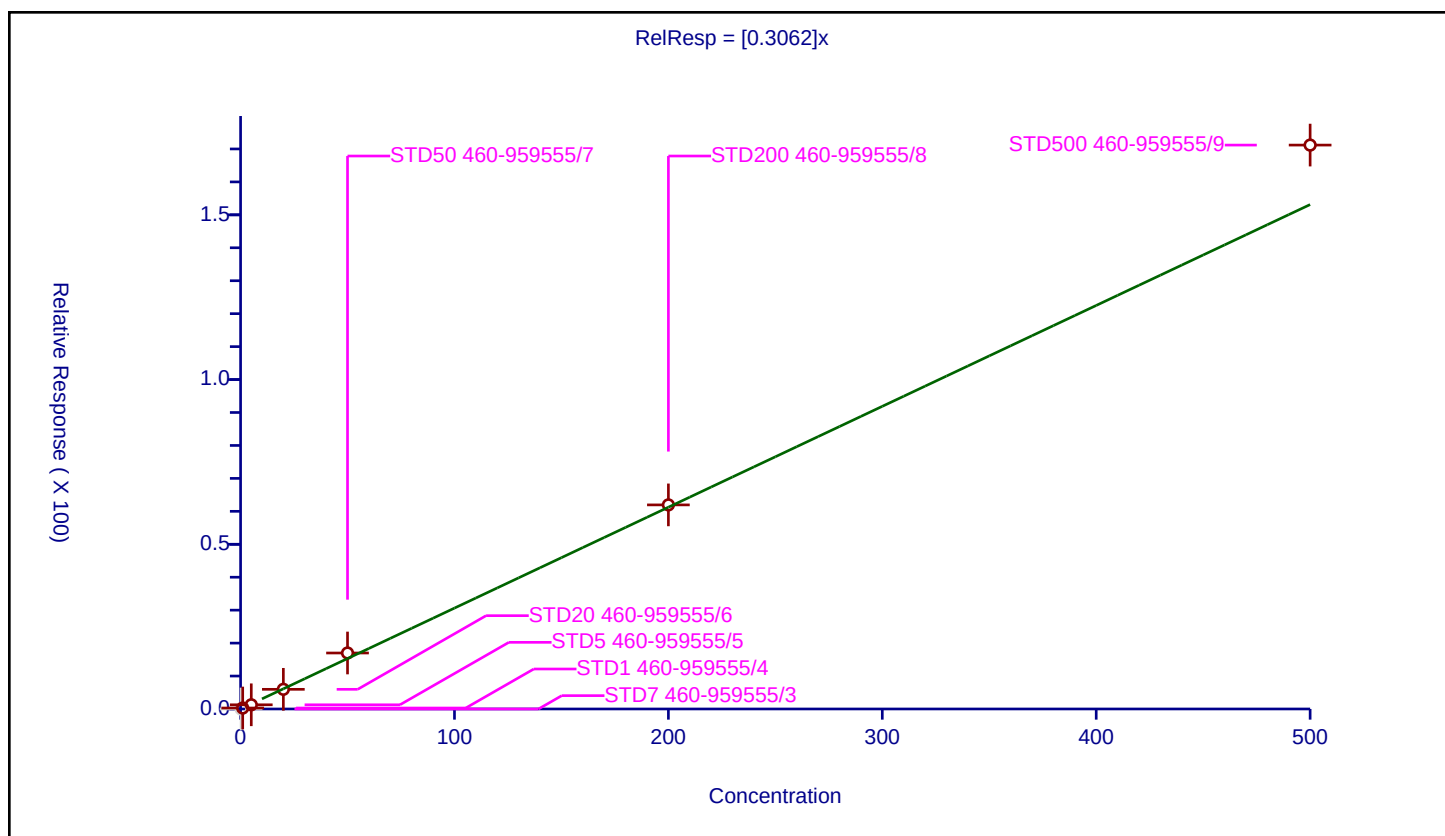
Curve Coefficients

Intercept: 0
 Slope: 0.3062

Error Coefficients

Relative Standard Deviation: 10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.2925	50.0	540512.0	0.2925	Y
3	STD5 460-959555/5	5.0	1.271931	50.0	525854.0	0.254386	Y
4	STD20 460-959555/6	20.0	5.970648	50.0	504225.0	0.298532	Y
5	STD50 460-959555/7	50.0	16.994976	50.0	481507.0	0.3399	Y
6	STD200 460-959555/8	200.0	61.956009	50.0	546838.0	0.30978	Y
7	STD500 460-959555/9	500.0	171.173413	50.0	582719.0	0.342347	Y



Calibration

/ Chloroethane

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

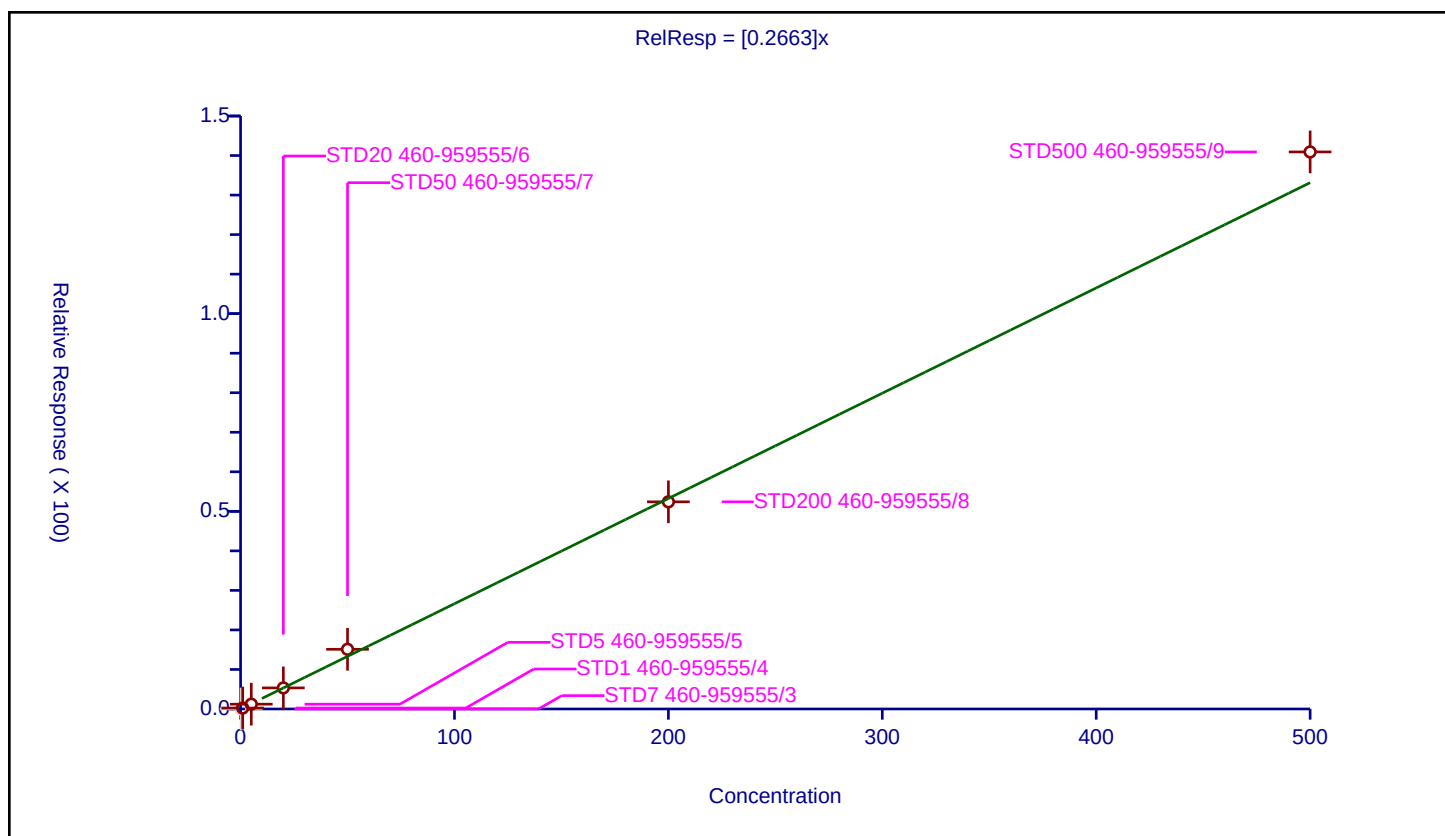
Curve Coefficients

Intercept: 0
Slope: 0.2663

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.242178	50.0	540512.0	0.242178	Y
3	STD5 460-959555/5	5.0	1.214786	50.0	525854.0	0.242957	Y
4	STD20 460-959555/6	20.0	5.332738	50.0	504225.0	0.266637	Y
5	STD50 460-959555/7	50.0	15.099054	50.0	481507.0	0.301981	Y
6	STD200 460-959555/8	200.0	52.406014	50.0	546838.0	0.26203	Y
7	STD500 460-959555/9	500.0	140.911657	50.0	582719.0	0.281823	Y



Calibration

/ Trichlorofluoromethane

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

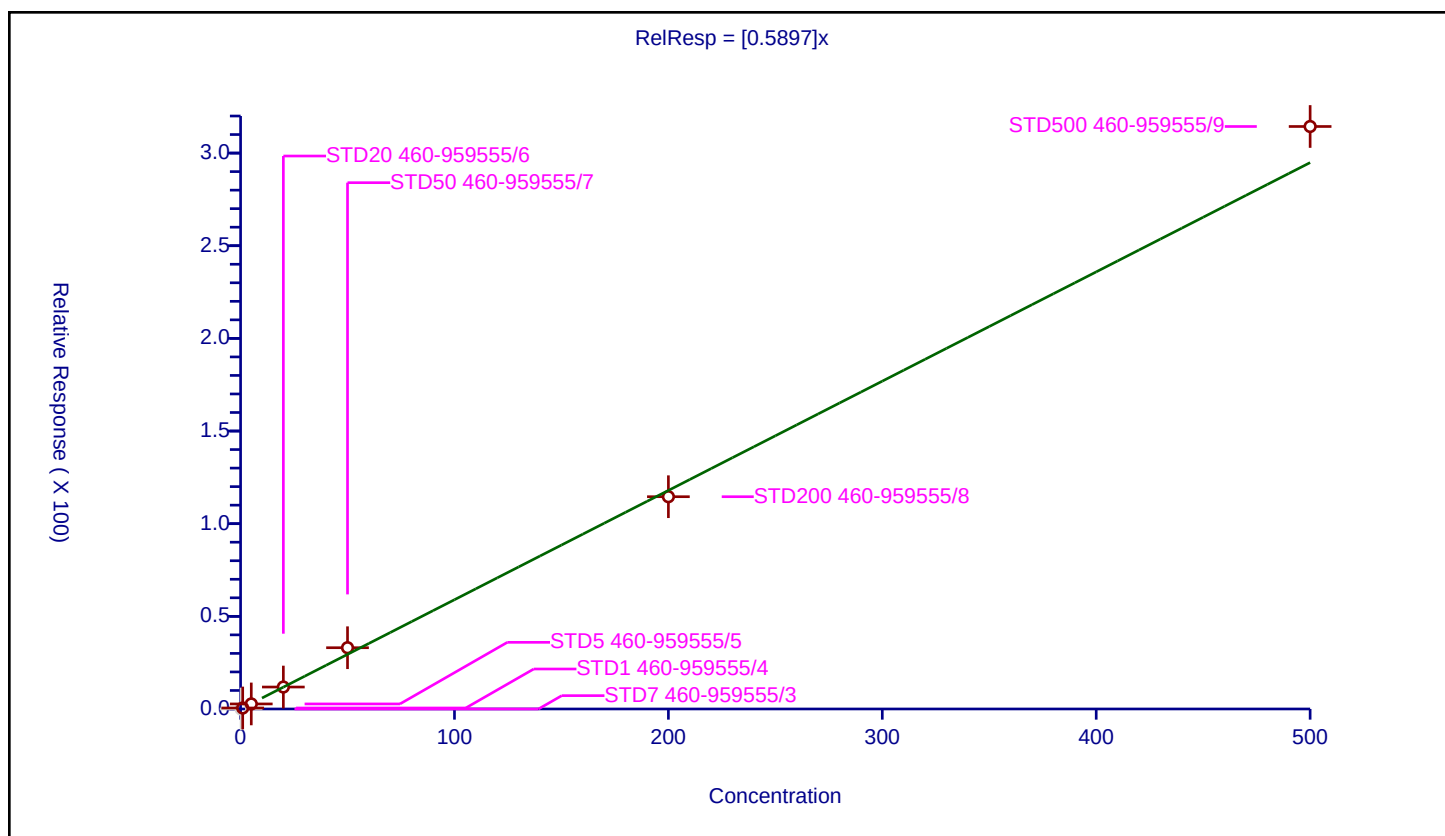
Curve Coefficients

Intercept: 0
Slope: 0.5897

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.25	0.0	50.0	537249.0	0.0	N
2	STD1 460-959555/4	1.0	0.536621	50.0	540512.0	0.536621	Y
3	STD5 460-959555/5	5.0	2.732412	50.0	525854.0	0.546482	Y
4	STD20 460-959555/6	20.0	11.849769	50.0	504225.0	0.592488	Y
5	STD50 460-959555/7	50.0	33.063071	50.0	481507.0	0.661261	Y
6	STD200 460-959555/8	200.0	114.558151	50.0	546838.0	0.572791	Y
7	STD500 460-959555/9	500.0	314.337785	50.0	582719.0	0.628676	Y



Calibration

/ Pentane

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

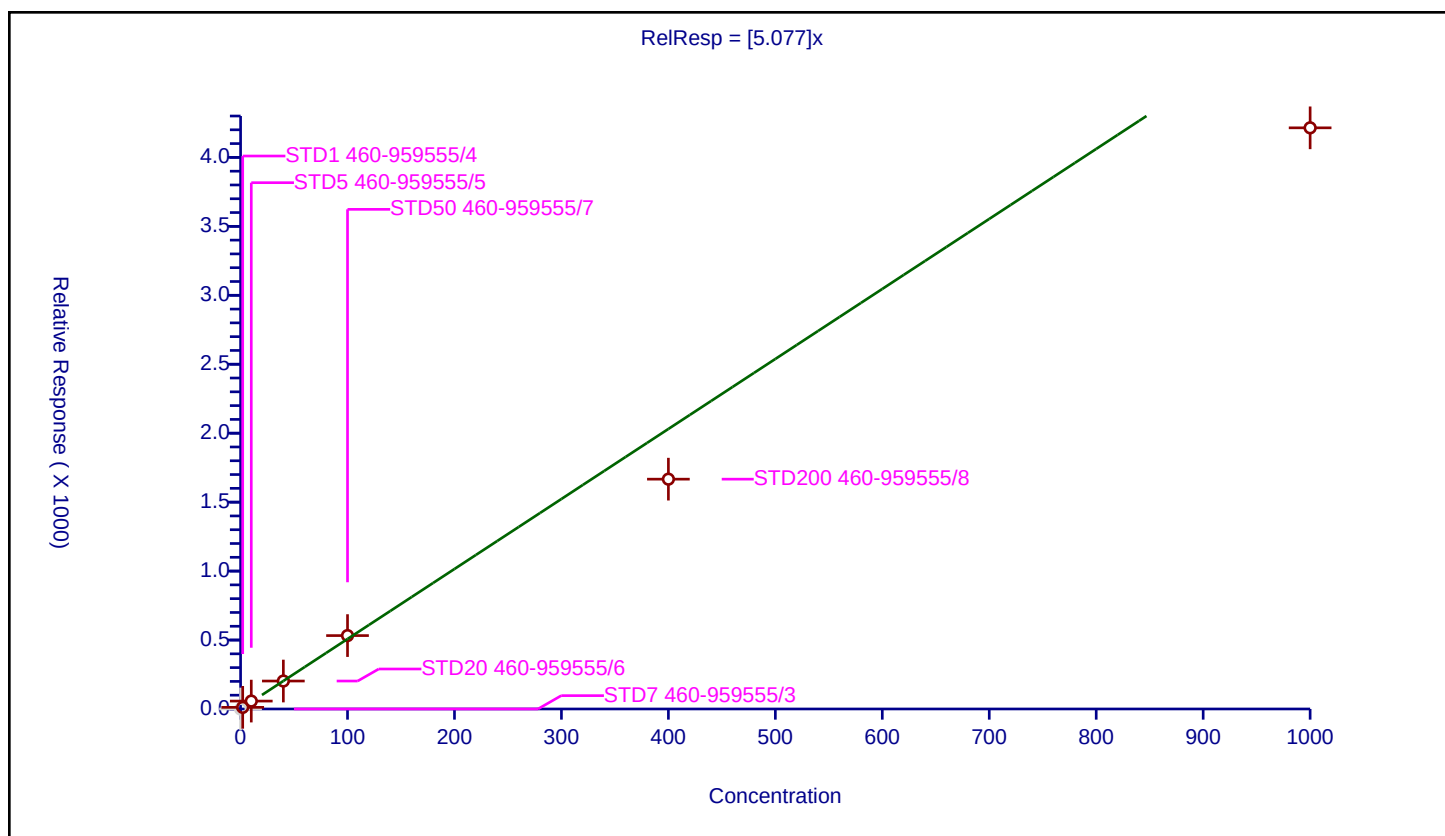
Curve Coefficients

Intercept: 0
Slope: 5.077

Error Coefficients

Relative Standard Deviation: 14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	2.0	11.926003	1000.0	108167.0	5.963002	Y
3	STD5 460-959555/5	10.0	57.262188	1000.0	113251.0	5.726219	Y
4	STD20 460-959555/6	40.0	202.694643	1000.0	119051.0	5.067366	Y
5	STD50 460-959555/7	100.0	532.327567	1000.0	114407.0	5.323276	Y
6	STD200 460-959555/8	400.0	1666.517289	1000.0	138352.0	4.166293	Y
7	STD500 460-959555/9	1000.0	4214.325135	1000.0	150393.0	4.214325	Y



Calibration

/ Ethanol

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

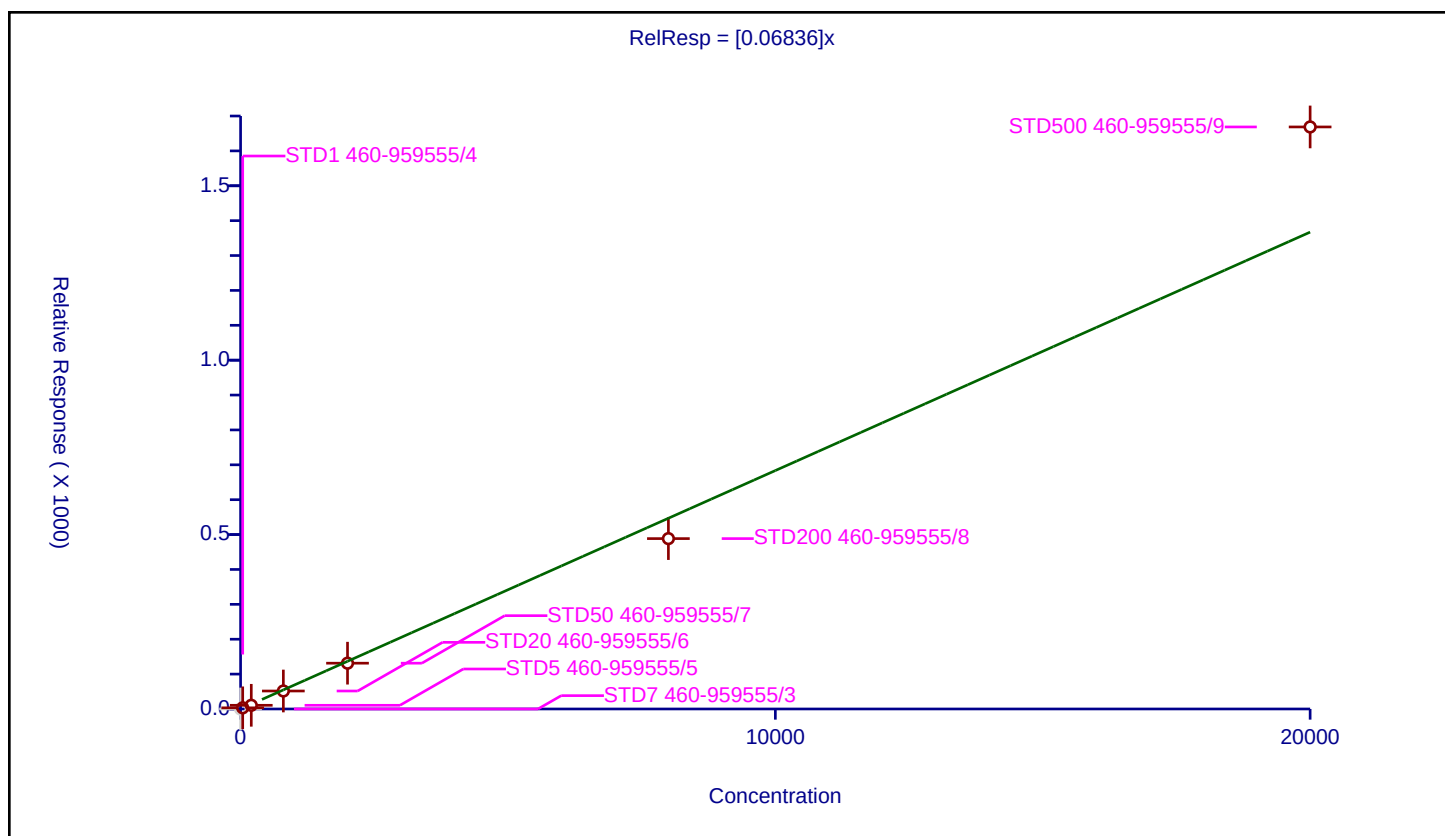
Curve Coefficients

Intercept: 0
Slope: 0.06836

Error Coefficients

Relative Standard Deviation: 17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	40.0	3.309697	1000.0	108167.0	0.082742	Y
3	STD5 460-959555/5	200.0	10.560613	1000.0	113251.0	0.052803	Y
4	STD20 460-959555/6	800.0	51.540936	1000.0	119051.0	0.064426	Y
5	STD50 460-959555/7	2000.0	131.338117	1000.0	114407.0	0.065669	Y
6	STD200 460-959555/8	8000.0	488.471435	1000.0	138352.0	0.061059	Y
7	STD500 460-959555/9	20000.0	1668.641493	1000.0	150393.0	0.083432	Y



Calibration

/ Ethyl ether

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

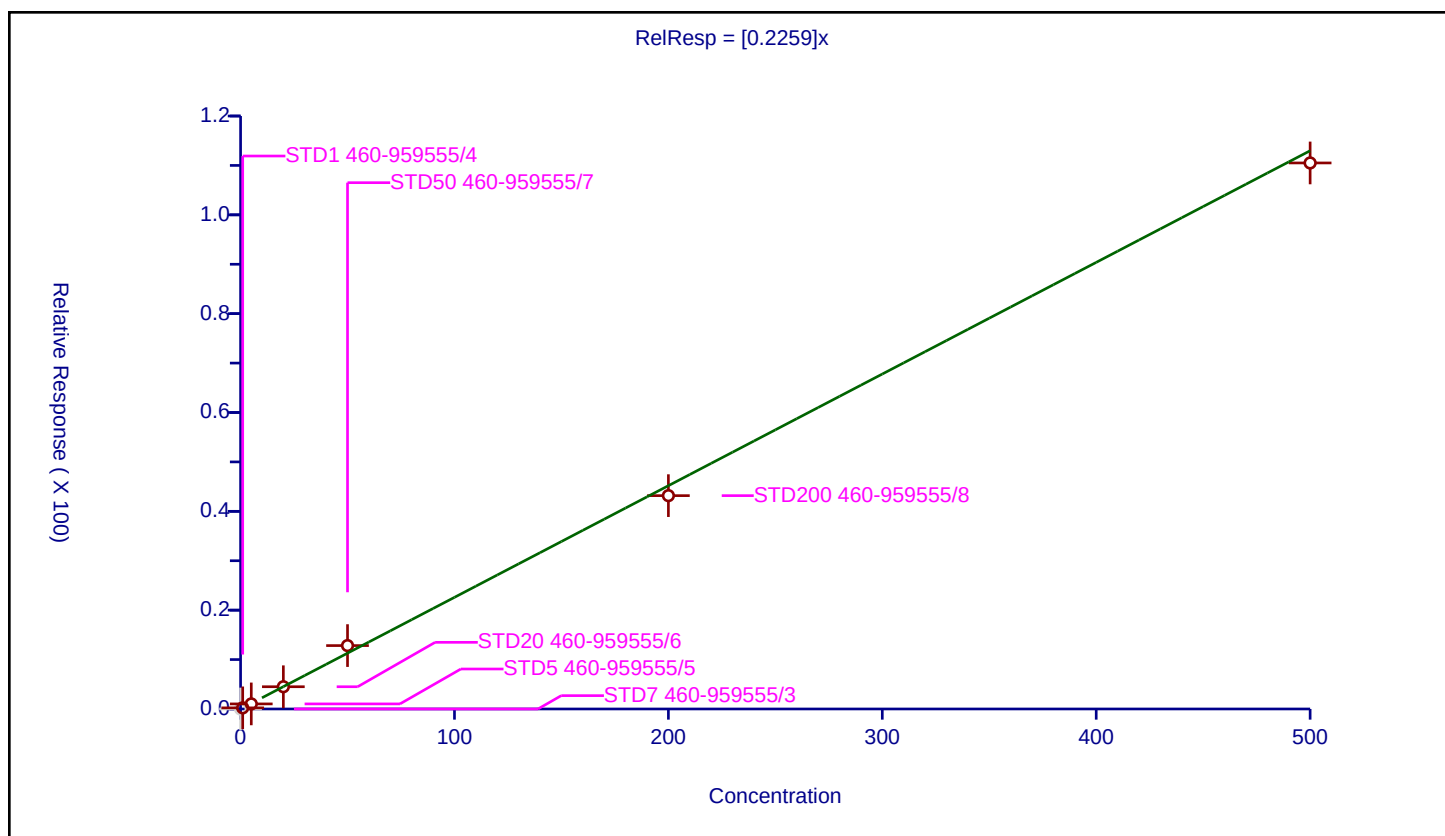
Curve Coefficients

Intercept: 0
Slope: 0.2259

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.23191	50.0	540512.0	0.23191	Y
3	STD5 460-959555/5	5.0	1.02576	50.0	525854.0	0.205152	Y
4	STD20 460-959555/6	20.0	4.503446	50.0	504225.0	0.225172	Y
5	STD50 460-959555/7	50.0	12.828785	50.0	481507.0	0.256576	Y
6	STD200 460-959555/8	200.0	43.177047	50.0	546838.0	0.215885	Y
7	STD500 460-959555/9	500.0	110.499829	50.0	582719.0	0.221	Y



Calibration

/ 2-Methyl-1,3-butadiene

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

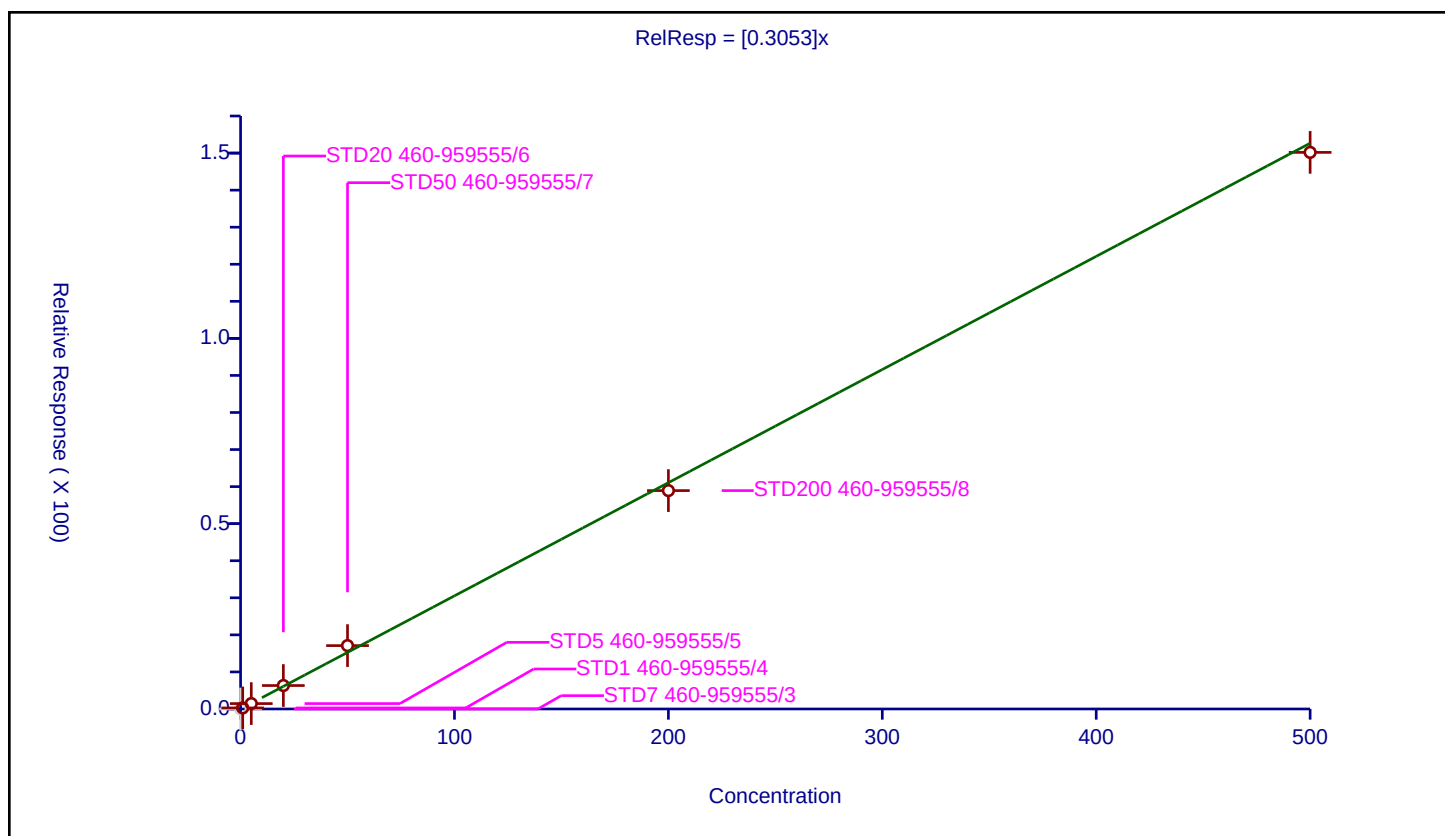
Curve Coefficients

Intercept: 0
Slope: 0.3053

Error Coefficients

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.286765	50.0	540512.0	0.286765	Y
3	STD5 460-959555/5	5.0	1.458675	50.0	525854.0	0.291735	Y
4	STD20 460-959555/6	20.0	6.329416	50.0	504225.0	0.316471	Y
5	STD50 460-959555/7	50.0	17.098298	50.0	481507.0	0.341966	Y
6	STD200 460-959555/8	200.0	58.924947	50.0	546838.0	0.294625	Y
7	STD500 460-959555/9	500.0	150.186024	50.0	582719.0	0.300372	Y



Calibration

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

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

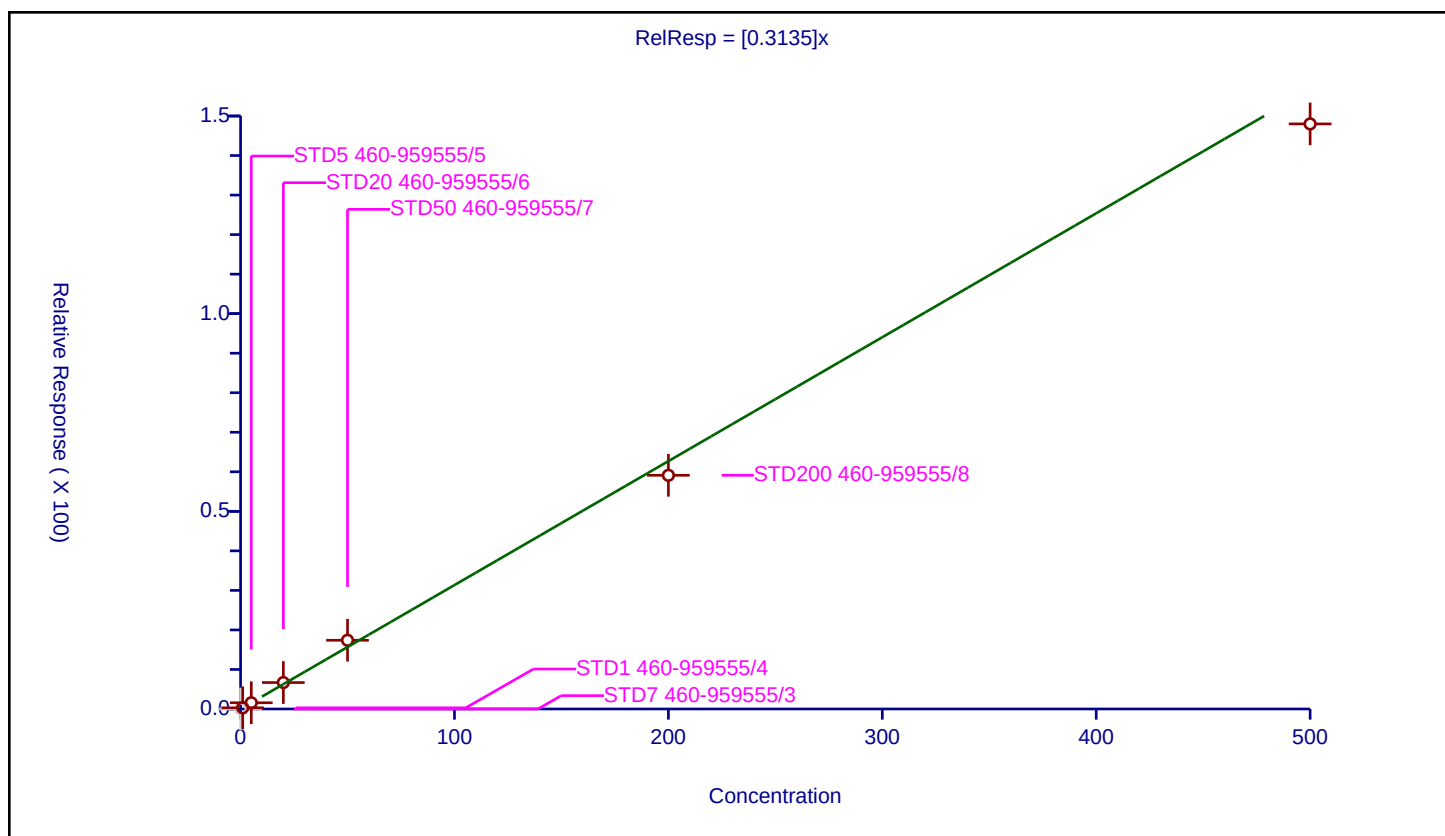
Curve Coefficients

Intercept: 0
Slope: 0.3135

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.292408	50.0	540512.0	0.292408	Y
3	STD5 460-959555/5	5.0	1.573155	50.0	525854.0	0.314631	Y
4	STD20 460-959555/6	20.0	6.690664	50.0	504225.0	0.334533	Y
5	STD50 460-959555/7	50.0	17.385521	50.0	481507.0	0.34771	Y
6	STD200 460-959555/8	200.0	59.112754	50.0	546838.0	0.295564	Y
7	STD500 460-959555/9	500.0	148.000923	50.0	582719.0	0.296002	Y



Calibration

/ Acrolein

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

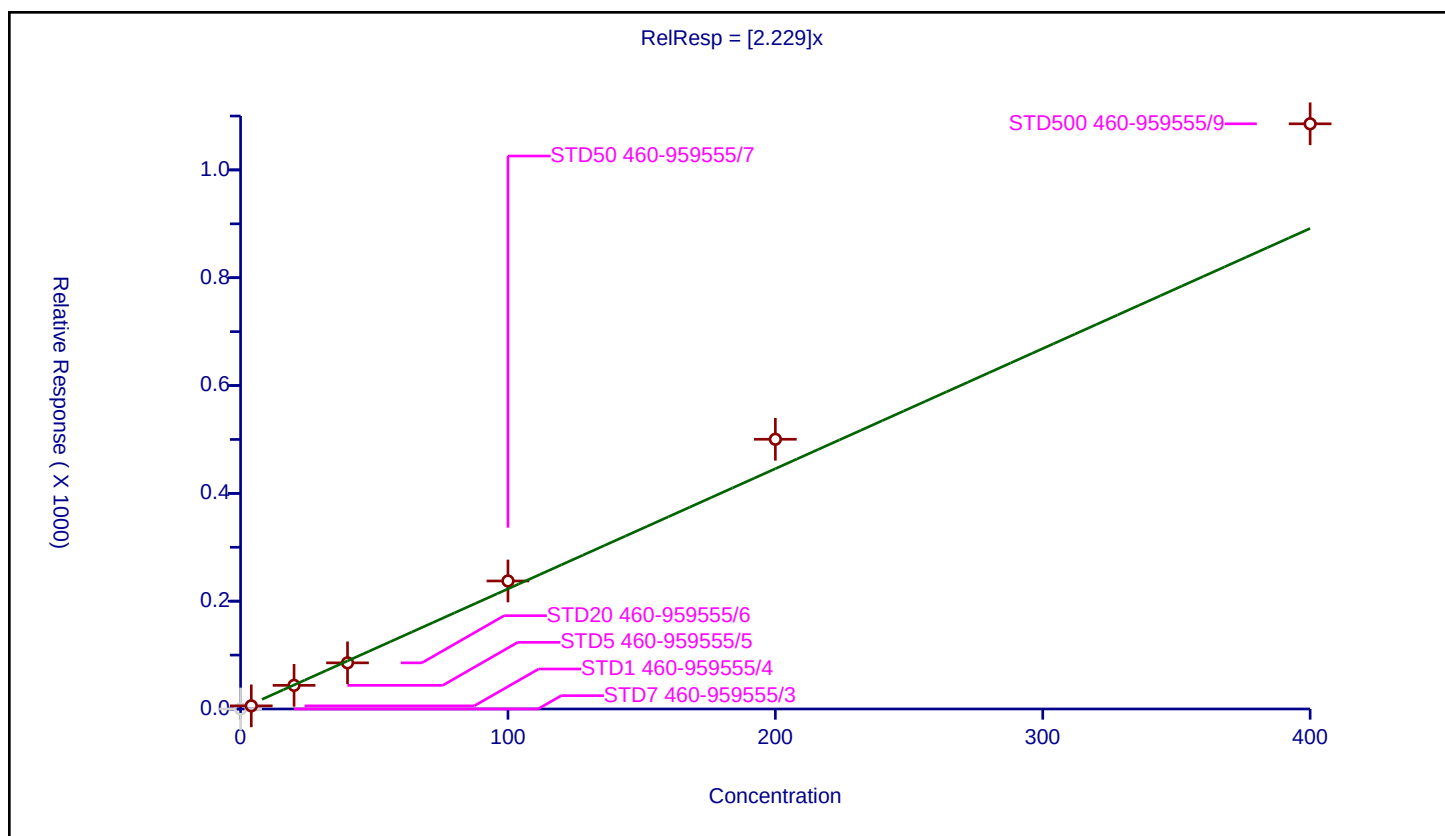
Curve Coefficients

Intercept: 0
Slope: 2.229

Error Coefficients

Relative Standard Deviation: 19.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	4.0	5.796592	1000.0	108167.0	1.449148	Y
3	STD5 460-959555/5	20.0	43.849502	1000.0	113251.0	2.192475	Y
4	STD20 460-959555/6	40.0	85.593569	1000.0	119051.0	2.139839	Y
5	STD50 460-959555/7	100.0	237.467987	1000.0	114407.0	2.37468	Y
6	STD200 460-959555/8	200.0	500.332485	1000.0	138352.0	2.501662	Y
7	STD500 460-959555/9	400.0	1085.549194	1000.0	150393.0	2.713873	Y



Calibration

/ 1,1-Dichloroethene

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

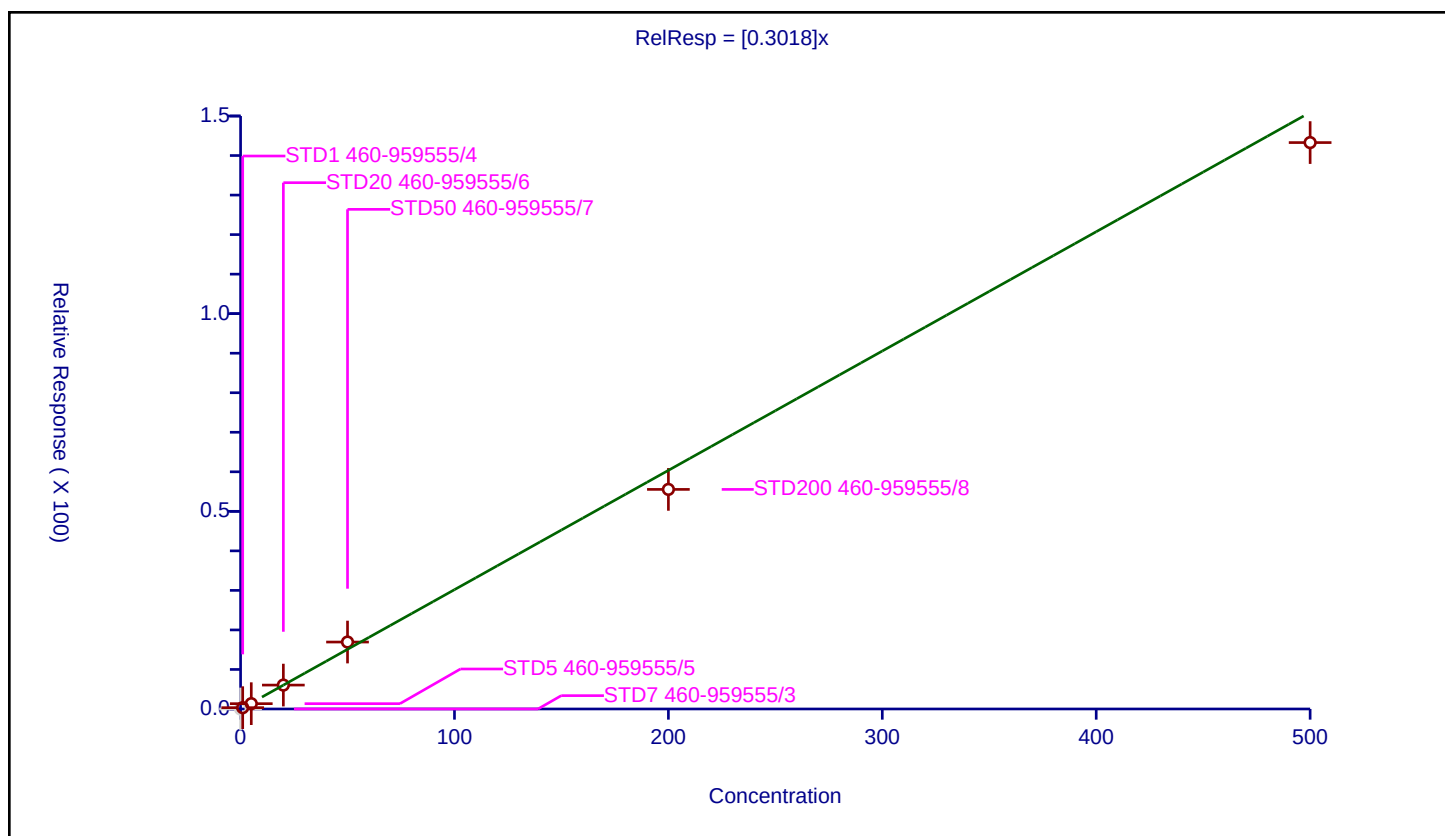
Curve Coefficients

Intercept: 0
Slope: 0.3018

Error Coefficients

Relative Standard Deviation: 9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.336533	50.0	540512.0	0.336533	Y
3	STD5 460-959555/5	5.0	1.345716	50.0	525854.0	0.269143	Y
4	STD20 460-959555/6	20.0	6.04492	50.0	504225.0	0.302246	Y
5	STD50 460-959555/7	50.0	16.936618	50.0	481507.0	0.338732	Y
6	STD200 460-959555/8	200.0	55.547438	50.0	546838.0	0.277737	Y
7	STD500 460-959555/9	500.0	143.279608	50.0	582719.0	0.286559	Y



Calibration

/ Acetone

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

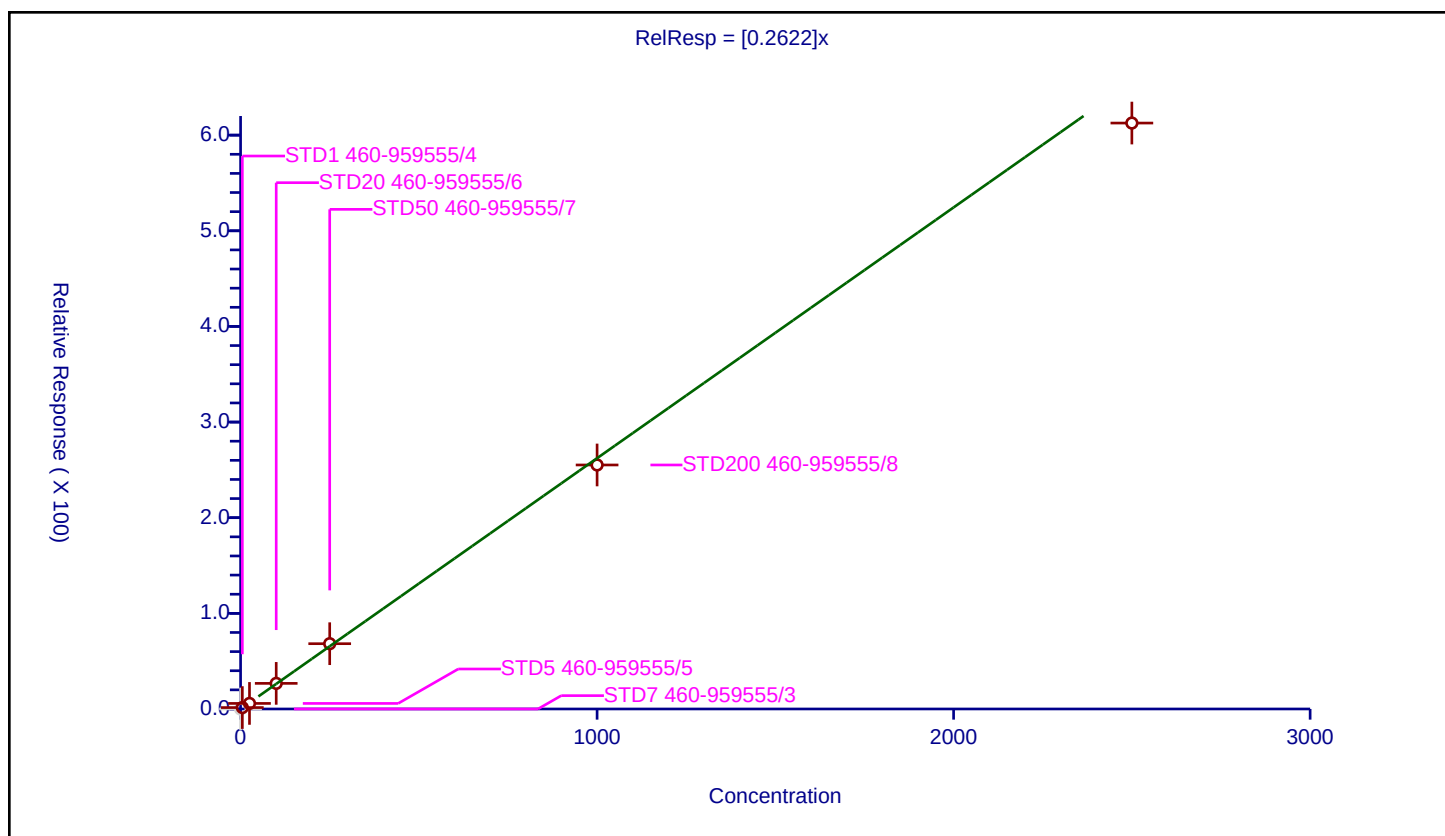
Curve Coefficients

Intercept: 0
Slope: 0.2622

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	5.0	1.500158	250.0	161483.0	0.300032	Y
3	STD5 460-959555/5	25.0	5.803635	250.0	160589.0	0.232145	Y
4	STD20 460-959555/6	100.0	26.77968	250.0	164229.0	0.267797	Y
5	STD50 460-959555/7	250.0	68.263644	250.0	148875.0	0.273055	Y
6	STD200 460-959555/8	1000.0	255.140199	250.0	187590.0	0.25514	Y
7	STD500 460-959555/9	2500.0	612.638589	250.0	188146.0	0.245055	Y



Calibration

/ Isopropyl alcohol

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

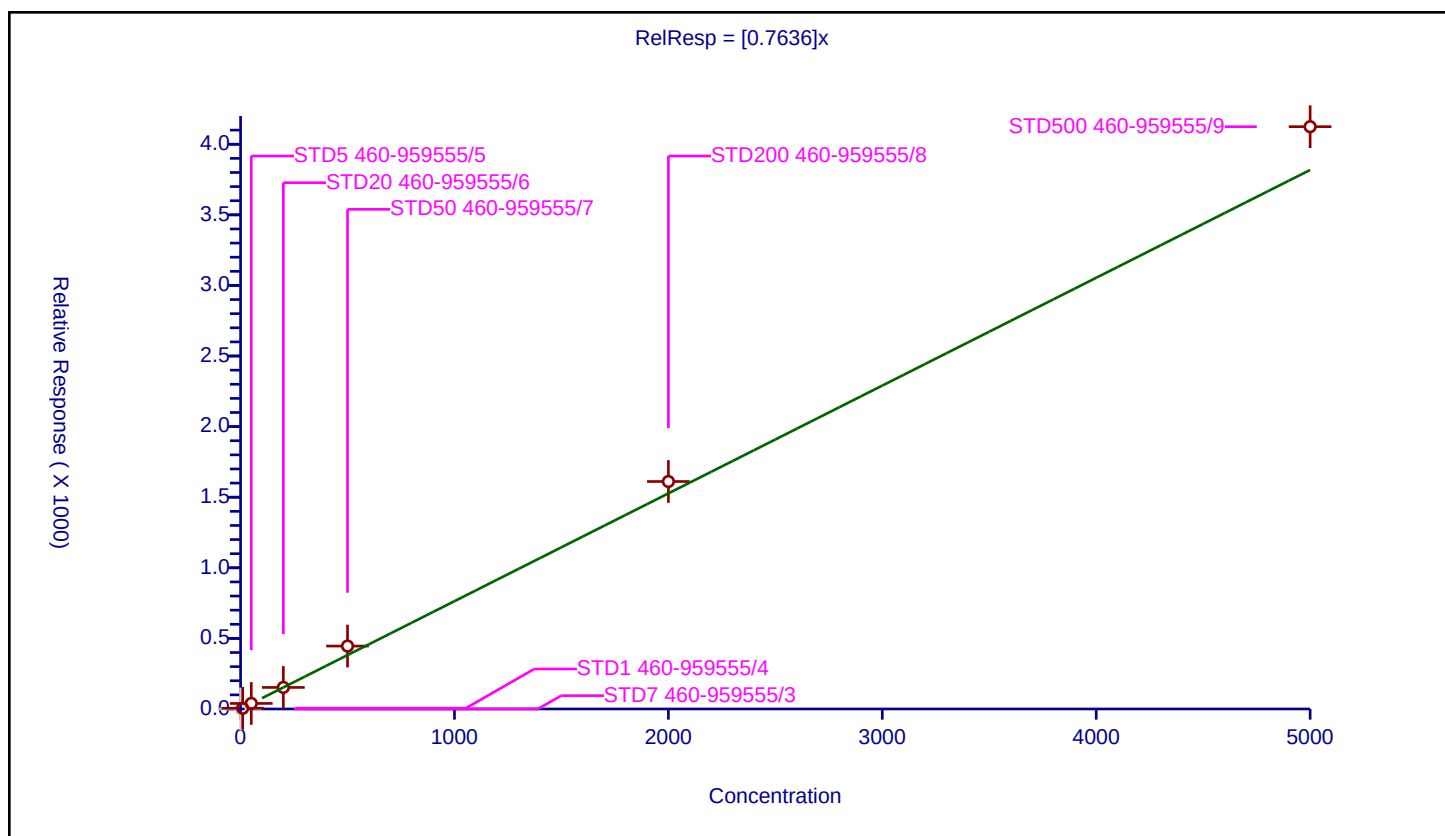
Curve Coefficients

Intercept: 0
 Slope: 0.7636

Error Coefficients

Relative Standard Deviation: 17.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	10.0	5.06624	1000.0	108167.0	0.506624	Y
3	STD5 460-959555/5	50.0	39.44336	1000.0	113251.0	0.788867	Y
4	STD20 460-959555/6	200.0	152.791661	1000.0	119051.0	0.763958	Y
5	STD50 460-959555/7	500.0	445.680771	1000.0	114407.0	0.891362	Y
6	STD200 460-959555/8	2000.0	1611.238002	1000.0	138352.0	0.805619	Y
7	STD500 460-959555/9	5000.0	4124.420684	1000.0	150393.0	0.824884	Y



Calibration

/ Iodomethane

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

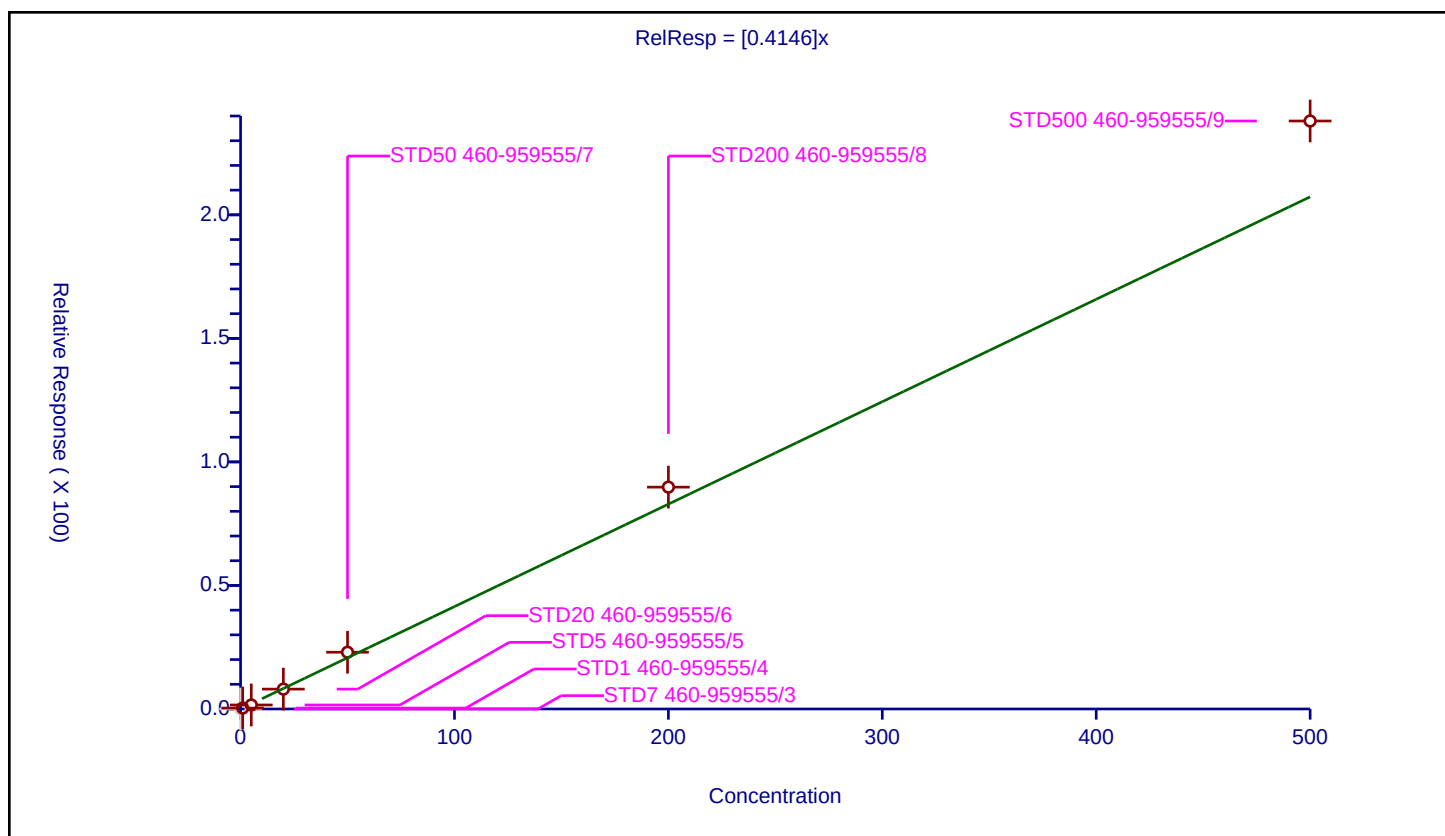
Curve Coefficients

Intercept: 0
 Slope: 0.4146

Error Coefficients

Relative Standard Deviation: 13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.375385	50.0	540512.0	0.375385	Y
3	STD5 460-959555/5	5.0	1.626022	50.0	525854.0	0.325204	Y
4	STD20 460-959555/6	20.0	8.046507	50.0	504225.0	0.402325	Y
5	STD50 460-959555/7	50.0	22.974952	50.0	481507.0	0.459499	Y
6	STD200 460-959555/8	200.0	89.794967	50.0	546838.0	0.448975	Y
7	STD500 460-959555/9	500.0	237.984517	50.0	582719.0	0.475969	Y



Calibration

/ Carbon disulfide

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

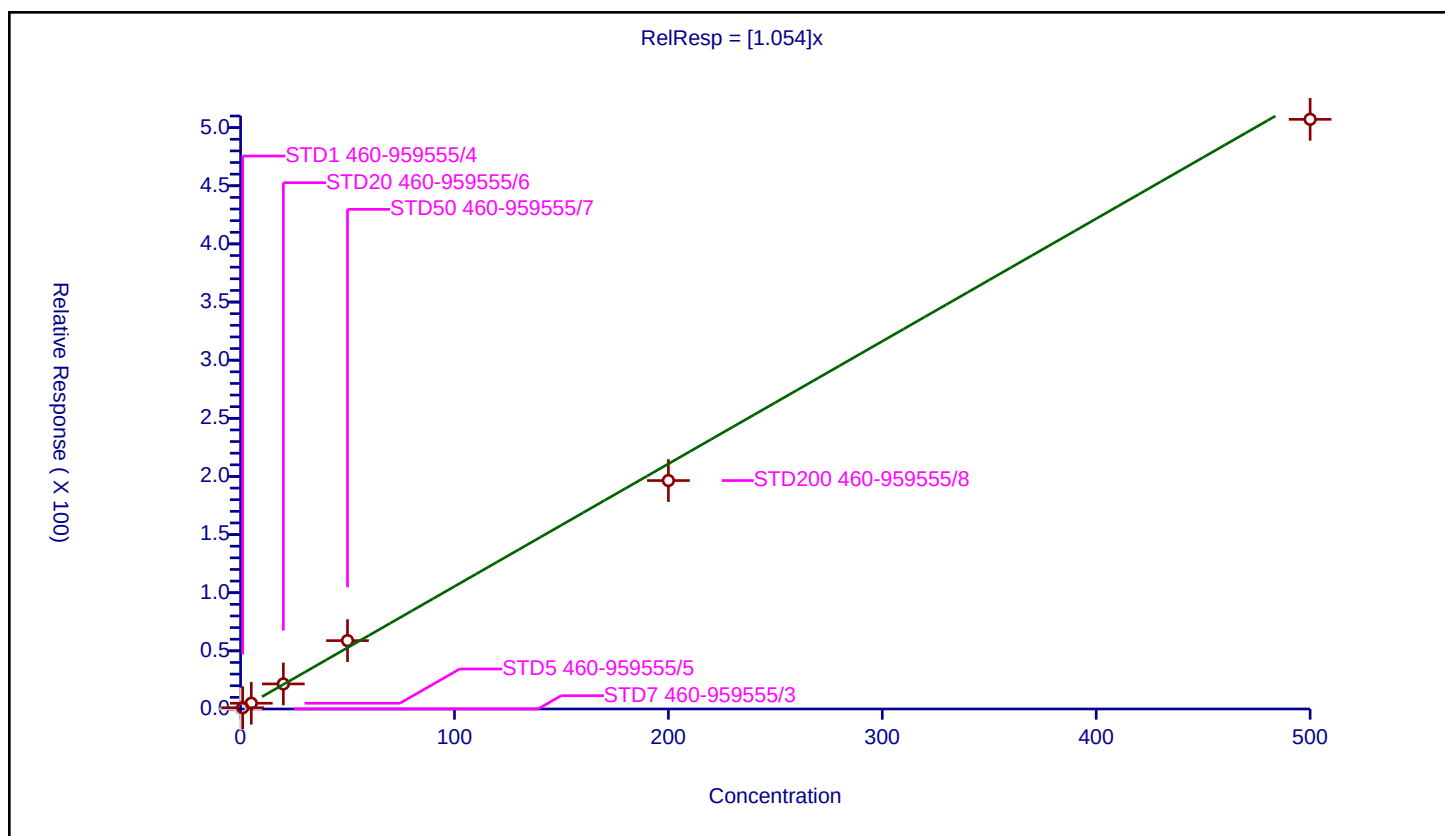
Curve Coefficients

Intercept: 0
Slope: 1.054

Error Coefficients

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	1.087302	50.0	540512.0	1.087302	Y
3	STD5 460-959555/5	5.0	4.940725	50.0	525854.0	0.988145	Y
4	STD20 460-959555/6	20.0	21.549308	50.0	504225.0	1.077465	Y
5	STD50 460-959555/7	50.0	58.796445	50.0	481507.0	1.175929	Y
6	STD200 460-959555/8	200.0	196.465681	50.0	546838.0	0.982328	Y
7	STD500 460-959555/9	500.0	507.165975	50.0	582719.0	1.014332	Y



Calibration

/ 3-Chloro-1-propene

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

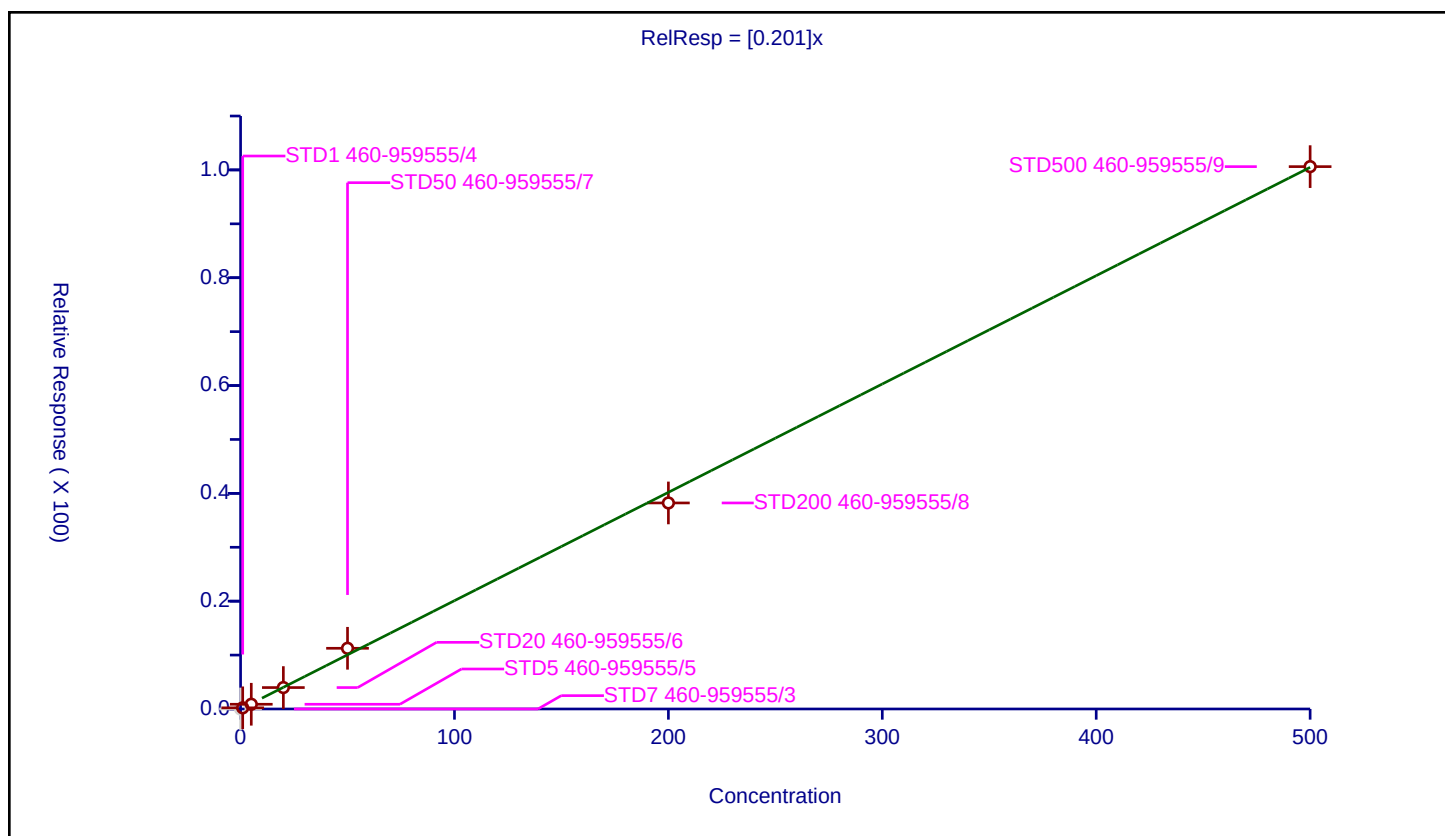
Curve Coefficients

Intercept: 0
Slope: 0.201

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.214334	50.0	540512.0	0.214334	Y
3	STD5 460-959555/5	5.0	0.876099	50.0	525854.0	0.17522	Y
4	STD20 460-959555/6	20.0	3.973127	50.0	504225.0	0.198656	Y
5	STD50 460-959555/7	50.0	11.260272	50.0	481507.0	0.225205	Y
6	STD200 460-959555/8	200.0	38.223752	50.0	546838.0	0.191119	Y
7	STD500 460-959555/9	500.0	100.611701	50.0	582719.0	0.201223	Y



Calibration

/ Methyl acetate

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

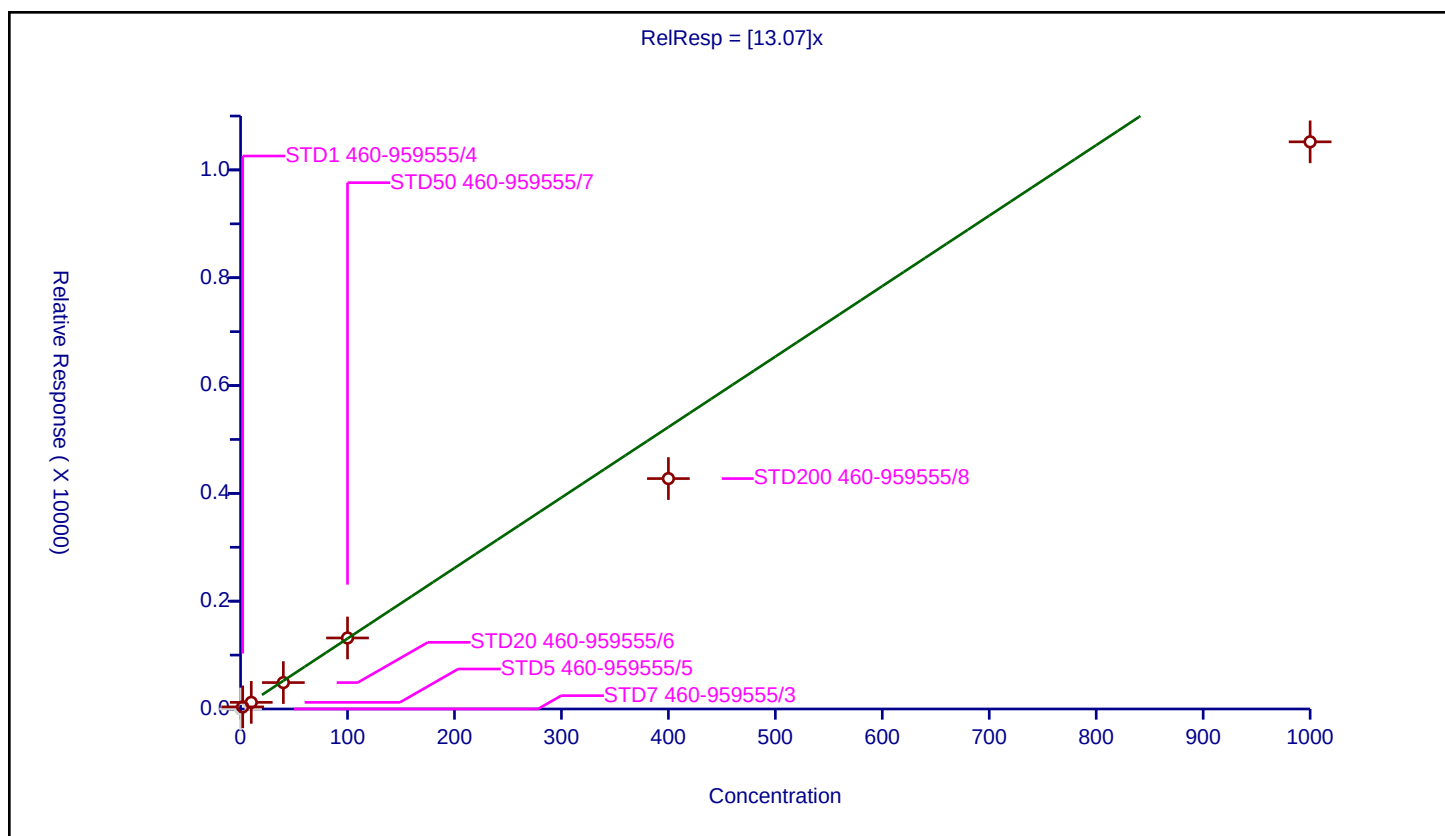
Curve Coefficients

Intercept: 0
Slope: 13.07

Error Coefficients

Relative Standard Deviation: 25.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	2.0	39.004502	1000.0	108167.0	19.502251	Y
3	STD5 460-959555/5	10.0	123.133571	1000.0	113251.0	12.313357	Y
4	STD20 460-959555/6	40.0	489.764891	1000.0	119051.0	12.244122	Y
5	STD50 460-959555/7	100.0	1317.707833	1000.0	114407.0	13.177078	Y
6	STD200 460-959555/8	400.0	4274.134093	1000.0	138352.0	10.685335	Y
7	STD500 460-959555/9	1000.0	10521.20112	1000.0	150393.0	10.521201	Y



Calibration

/ Acetonitrile

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

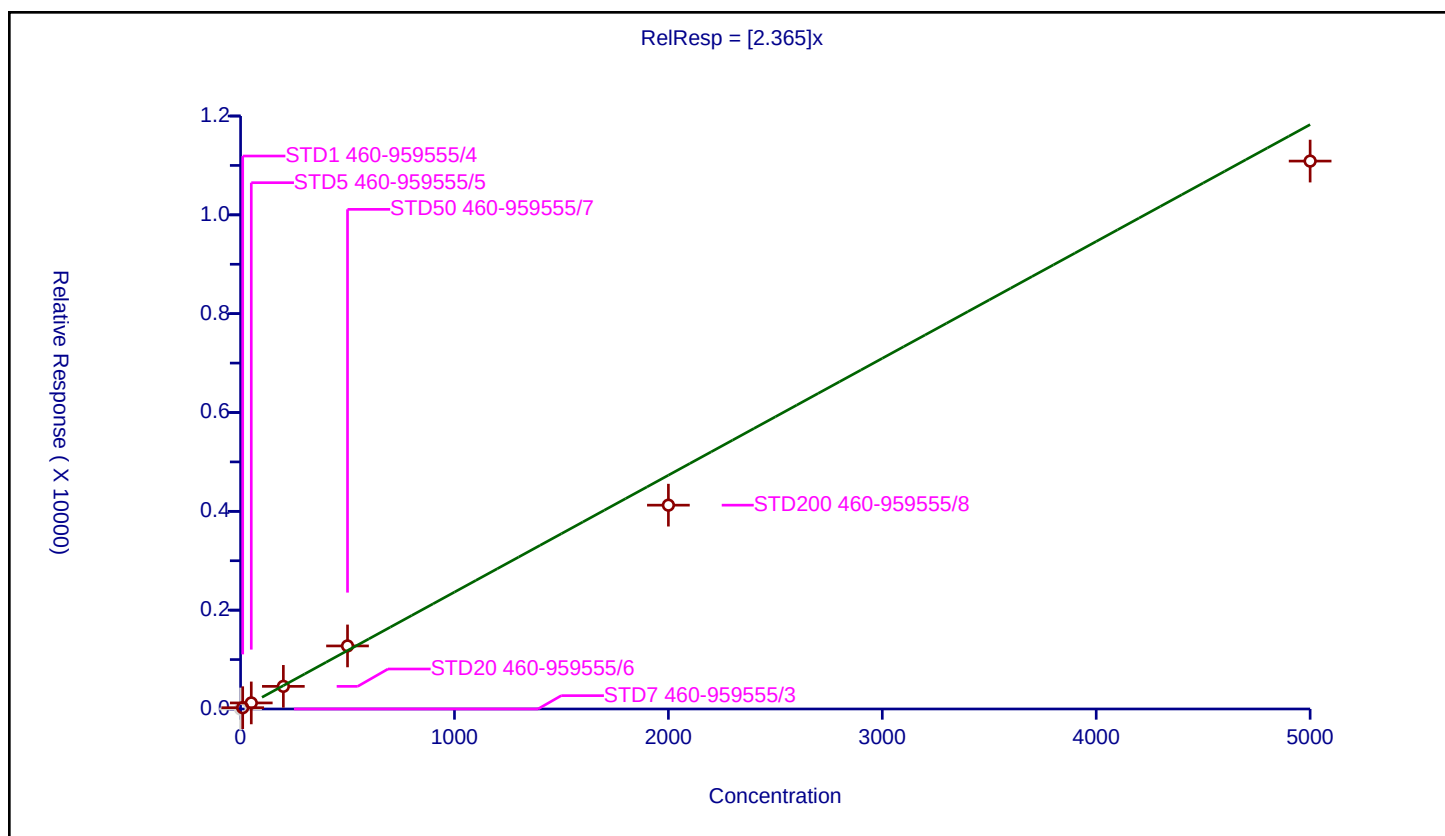
Curve Coefficients

Intercept: 0
Slope: 2.365

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	10.0	26.172493	1000.0	108167.0	2.617249	Y
3	STD5 460-959555/5	50.0	122.665584	1000.0	113251.0	2.453312	Y
4	STD20 460-959555/6	200.0	457.837397	1000.0	119051.0	2.289187	Y
5	STD50 460-959555/7	500.0	1276.032061	1000.0	114407.0	2.552064	Y
6	STD200 460-959555/8	2000.0	4124.920493	1000.0	138352.0	2.06246	Y
7	STD500 460-959555/9	5000.0	11087.976169	1000.0	150393.0	2.217595	Y



Calibration

/ Methylene Chloride

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

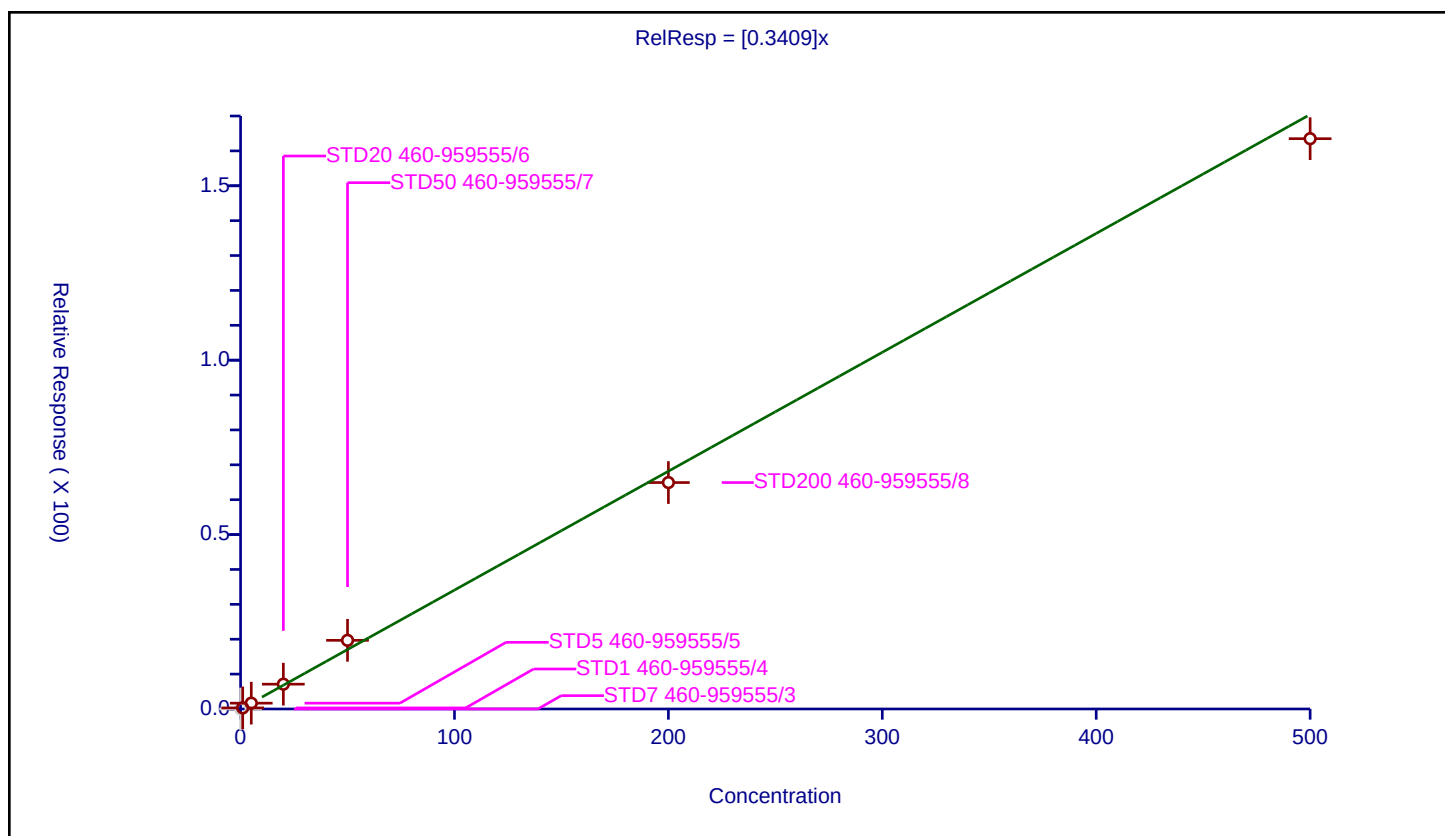
Curve Coefficients

Intercept: 0
Slope: 0.3409

Error Coefficients

Relative Standard Deviation: 8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.310724	50.0	540512.0	0.310724	Y
3	STD5 460-959555/5	5.0	1.666717	50.0	525854.0	0.333343	Y
4	STD20 460-959555/6	20.0	7.115673	50.0	504225.0	0.355784	Y
5	STD50 460-959555/7	50.0	19.683203	50.0	481507.0	0.393664	Y
6	STD200 460-959555/8	200.0	64.917946	50.0	546838.0	0.32459	Y
7	STD500 460-959555/9	500.0	163.502391	50.0	582719.0	0.327005	Y



Calibration

/ 2-Methyl-2-propanol

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

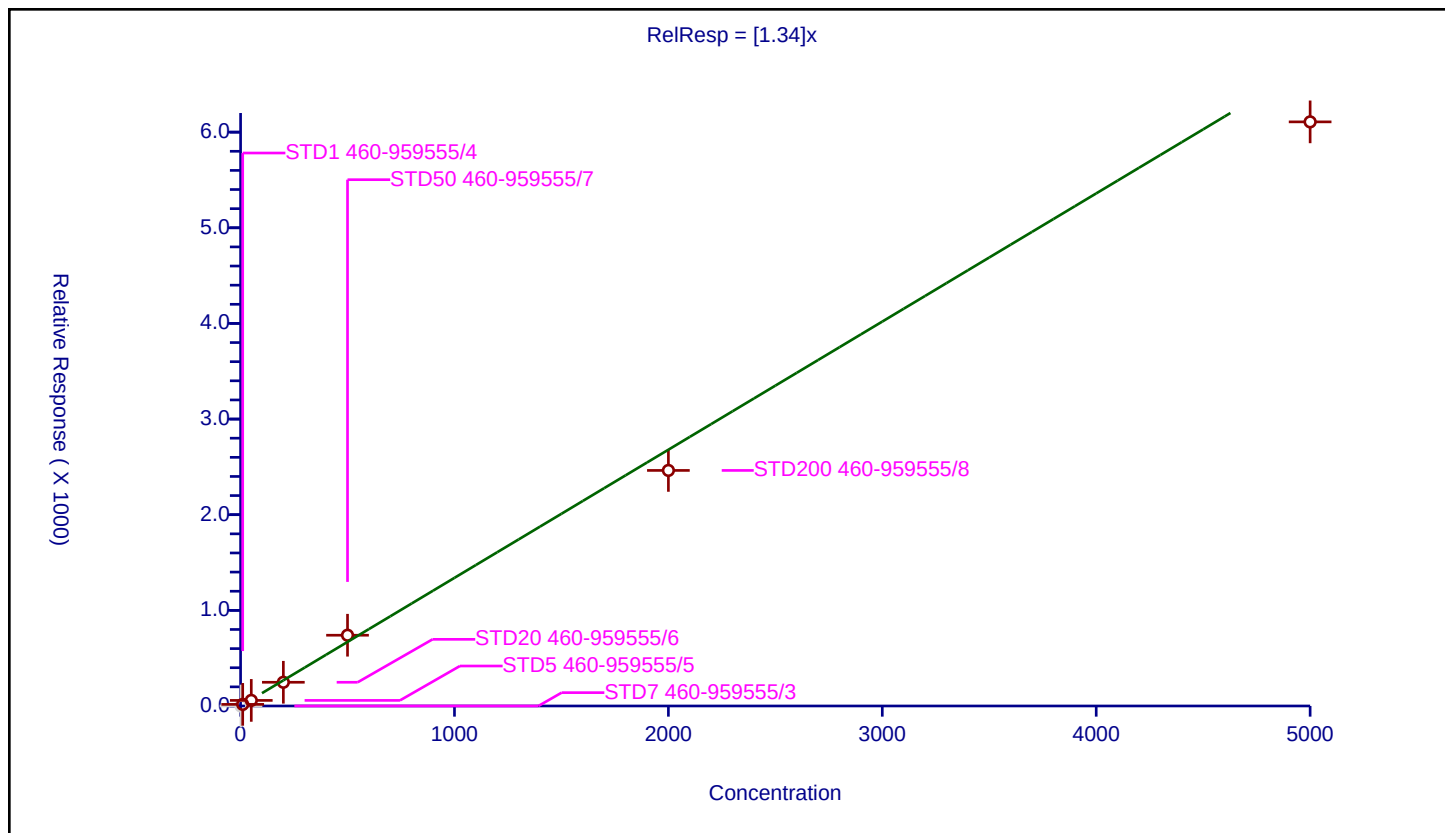
Curve Coefficients

Intercept: 0
Slope: 1.34

Error Coefficients

Relative Standard Deviation: 15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	2.0	0.0	1000.0	108608.0	0.0	N
2	STD1 460-959555/4	10.0	16.964509	1000.0	108167.0	1.696451	Y
3	STD5 460-959555/5	50.0	58.48072	1000.0	113251.0	1.169614	Y
4	STD20 460-959555/6	200.0	247.986157	1000.0	119051.0	1.239931	Y
5	STD50 460-959555/7	500.0	739.945982	1000.0	114407.0	1.479892	Y
6	STD200 460-959555/8	2000.0	2463.072453	1000.0	138352.0	1.231536	Y
7	STD500 460-959555/9	5000.0	6107.385317	1000.0	150393.0	1.221477	Y



Calibration

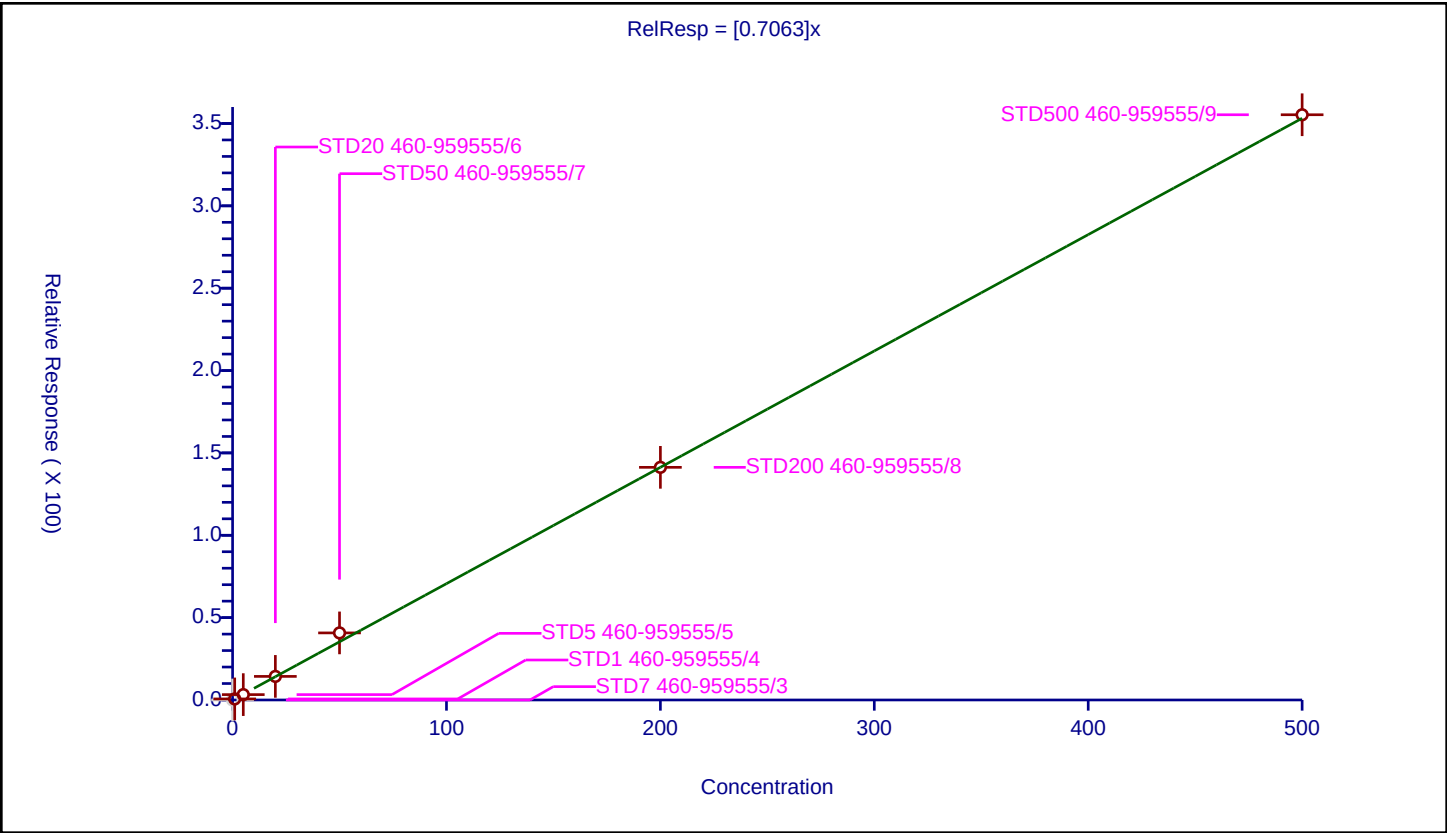
/ Methyl tert-butyl ether

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

Curve Coefficients	
Intercept:	0
Slope:	0.7063
Error Coefficients	

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.639116	50.0	540512.0	0.639116	Y
3	STD5 460-959555/5	5.0	3.25984	50.0	525854.0	0.651968	Y
4	STD20 460-959555/6	20.0	14.312261	50.0	504225.0	0.715613	Y
5	STD50 460-959555/7	50.0	40.719761	50.0	481507.0	0.814395	Y
6	STD200 460-959555/8	200.0	141.252894	50.0	546838.0	0.706264	Y
7	STD500 460-959555/9	500.0	355.296807	50.0	582719.0	0.710594	Y



Calibration

/ trans-1,2-Dichloroethene

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

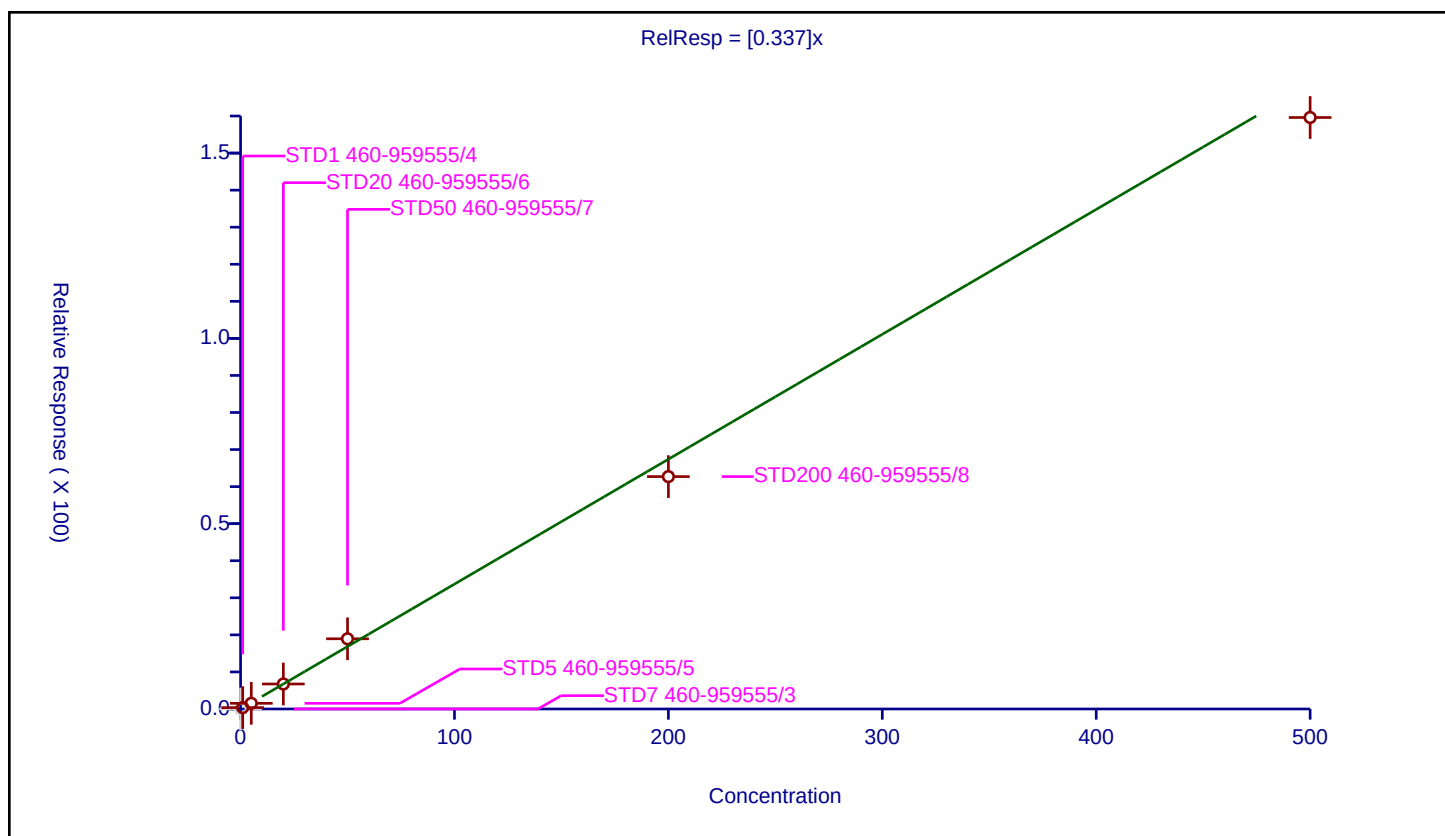
Curve Coefficients

Intercept: 0
Slope: 0.337

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.367429	50.0	540512.0	0.367429	Y
3	STD5 460-959555/5	5.0	1.527991	50.0	525854.0	0.305598	Y
4	STD20 460-959555/6	20.0	6.747484	50.0	504225.0	0.337374	Y
5	STD50 460-959555/7	50.0	18.940742	50.0	481507.0	0.378815	Y
6	STD200 460-959555/8	200.0	62.702299	50.0	546838.0	0.313511	Y
7	STD500 460-959555/9	500.0	159.594419	50.0	582719.0	0.319189	Y



Calibration

/ Acrylonitrile

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

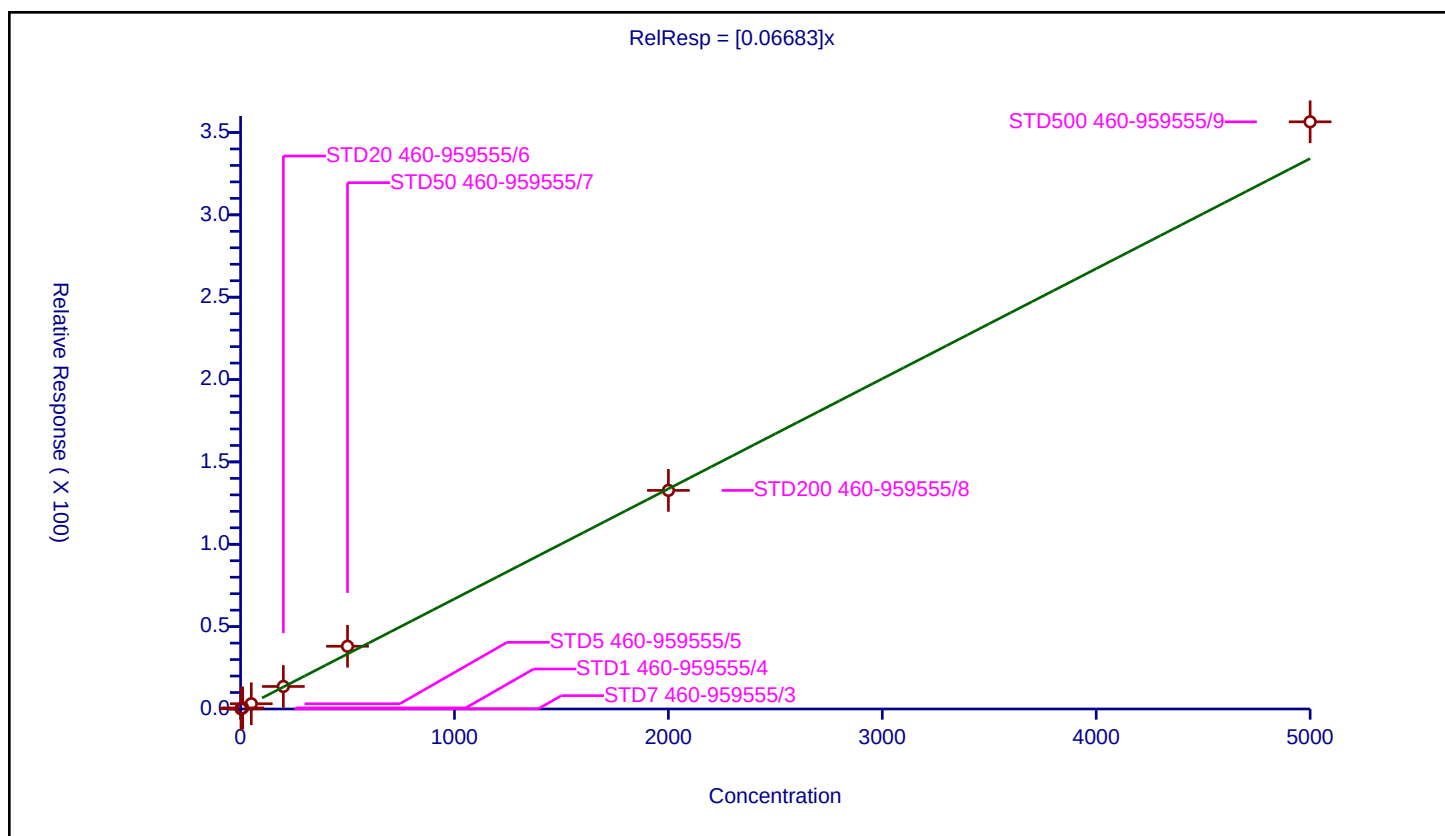
Curve Coefficients

Intercept: 0
Slope: 0.06683

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	2.0	0.114193	50.0	537249.0	0.057096	Y
2	STD1 460-959555/4	10.0	0.649569	50.0	540512.0	0.064957	Y
3	STD5 460-959555/5	50.0	3.181016	50.0	525854.0	0.06362	Y
4	STD20 460-959555/6	200.0	13.667708	50.0	504225.0	0.068339	Y
5	STD50 460-959555/7	500.0	38.079509	50.0	481507.0	0.076159	Y
6	STD200 460-959555/8	2000.0	132.712613	50.0	546838.0	0.066356	Y
7	STD500 460-959555/9	5000.0	356.479967	50.0	582719.0	0.071296	Y



Calibration

/ Hexane

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

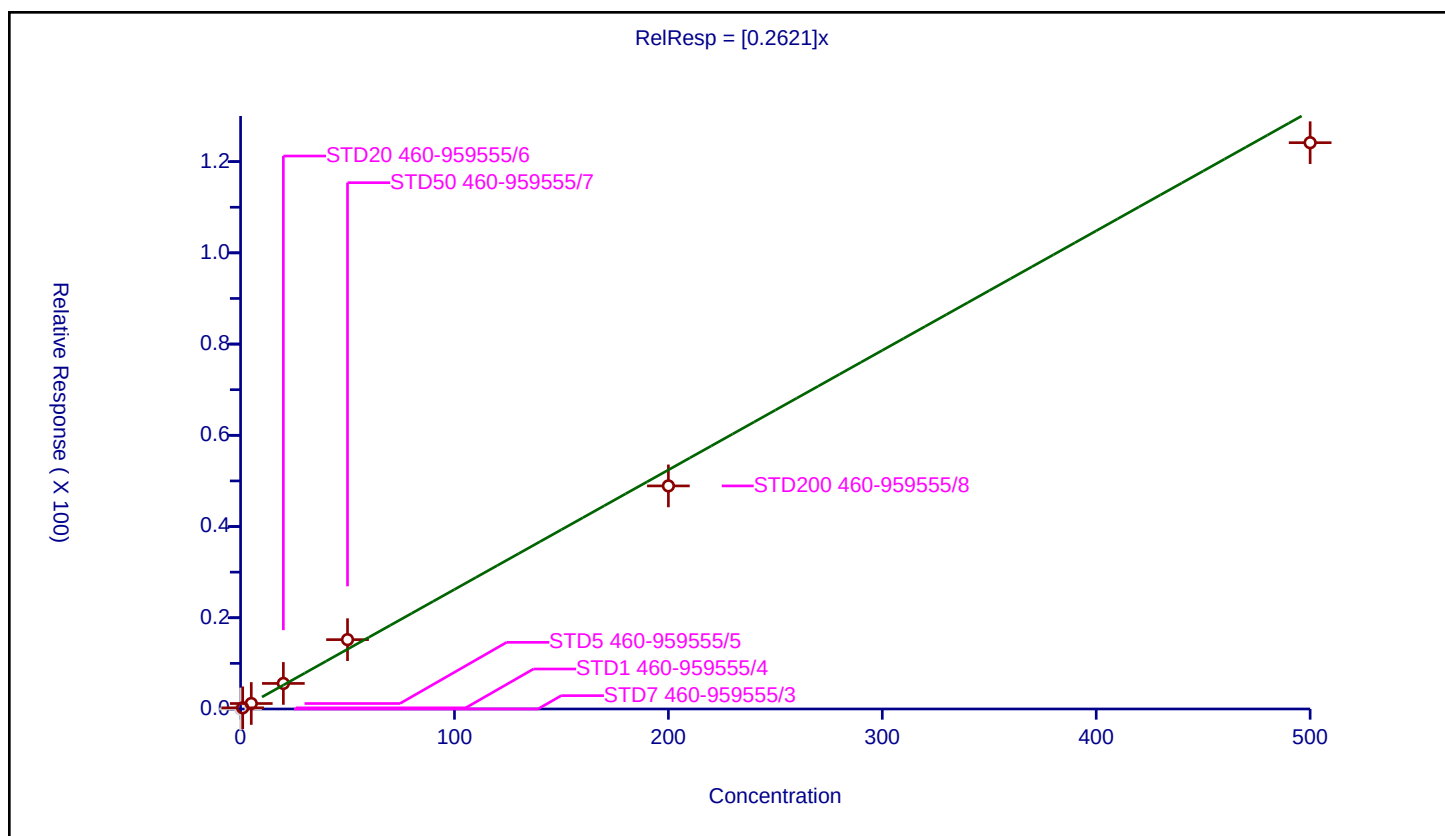
Curve Coefficients

Intercept: 0
Slope: 0.2621

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.255406	50.0	540512.0	0.255406	Y
3	STD5 460-959555/5	5.0	1.200333	50.0	525854.0	0.240067	Y
4	STD20 460-959555/6	20.0	5.601765	50.0	504225.0	0.280088	Y
5	STD50 460-959555/7	50.0	15.203621	50.0	481507.0	0.304072	Y
6	STD200 460-959555/8	200.0	48.907446	50.0	546838.0	0.244537	Y
7	STD500 460-959555/9	500.0	124.152121	50.0	582719.0	0.248304	Y



Calibration

/ Isopropyl ether

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

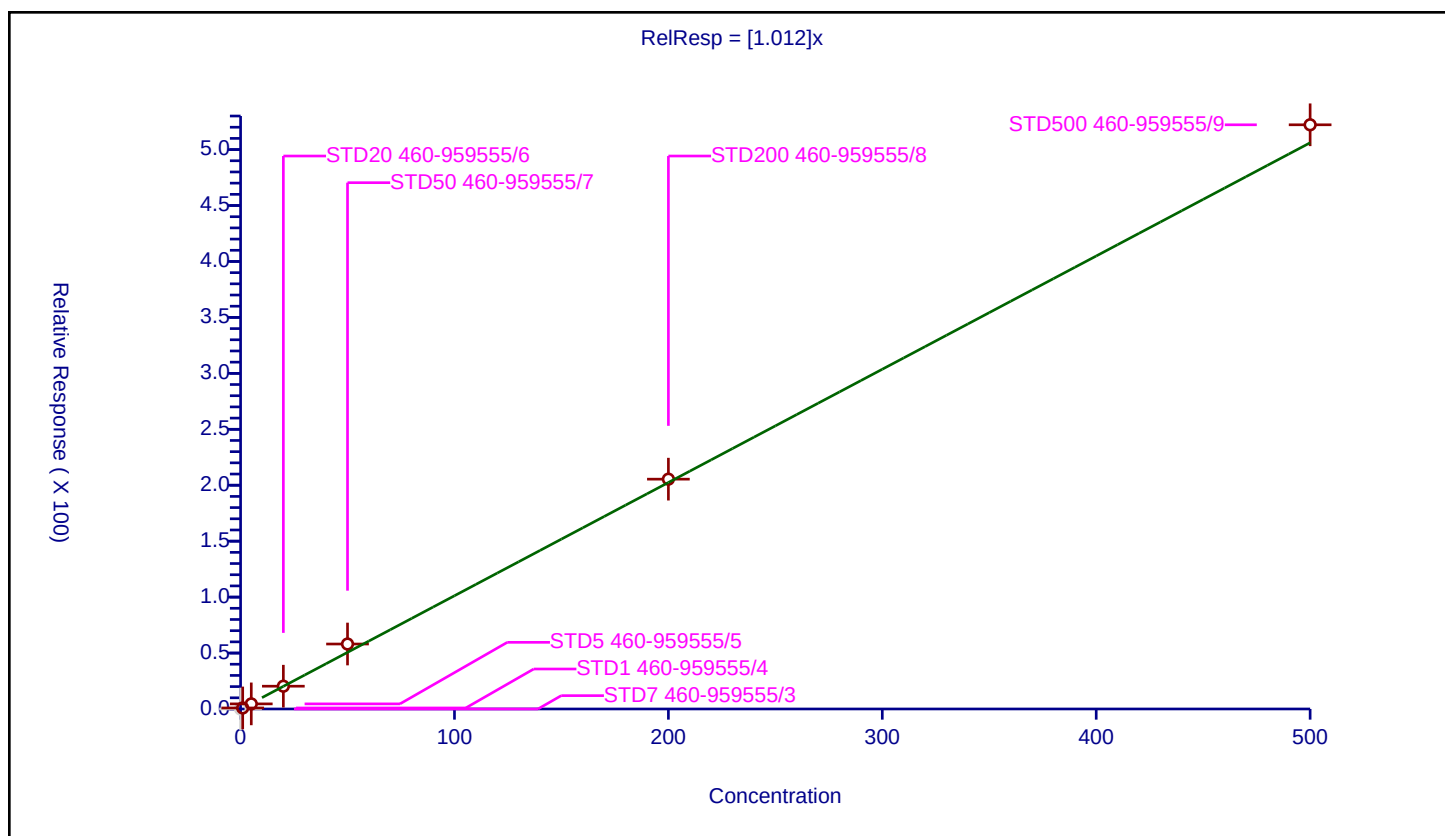
Curve Coefficients

Intercept: 0
 Slope: 1.012

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.908583	50.0	540512.0	0.908583	Y
3	STD5 460-959555/5	5.0	4.56429	50.0	525854.0	0.912858	Y
4	STD20 460-959555/6	20.0	20.375626	50.0	504225.0	1.018781	Y
5	STD50 460-959555/7	50.0	58.075687	50.0	481507.0	1.161514	Y
6	STD200 460-959555/8	200.0	205.421624	50.0	546838.0	1.027108	Y
7	STD500 460-959555/9	500.0	522.146609	50.0	582719.0	1.044293	Y



Calibration

/ 1,1-Dichloroethane

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

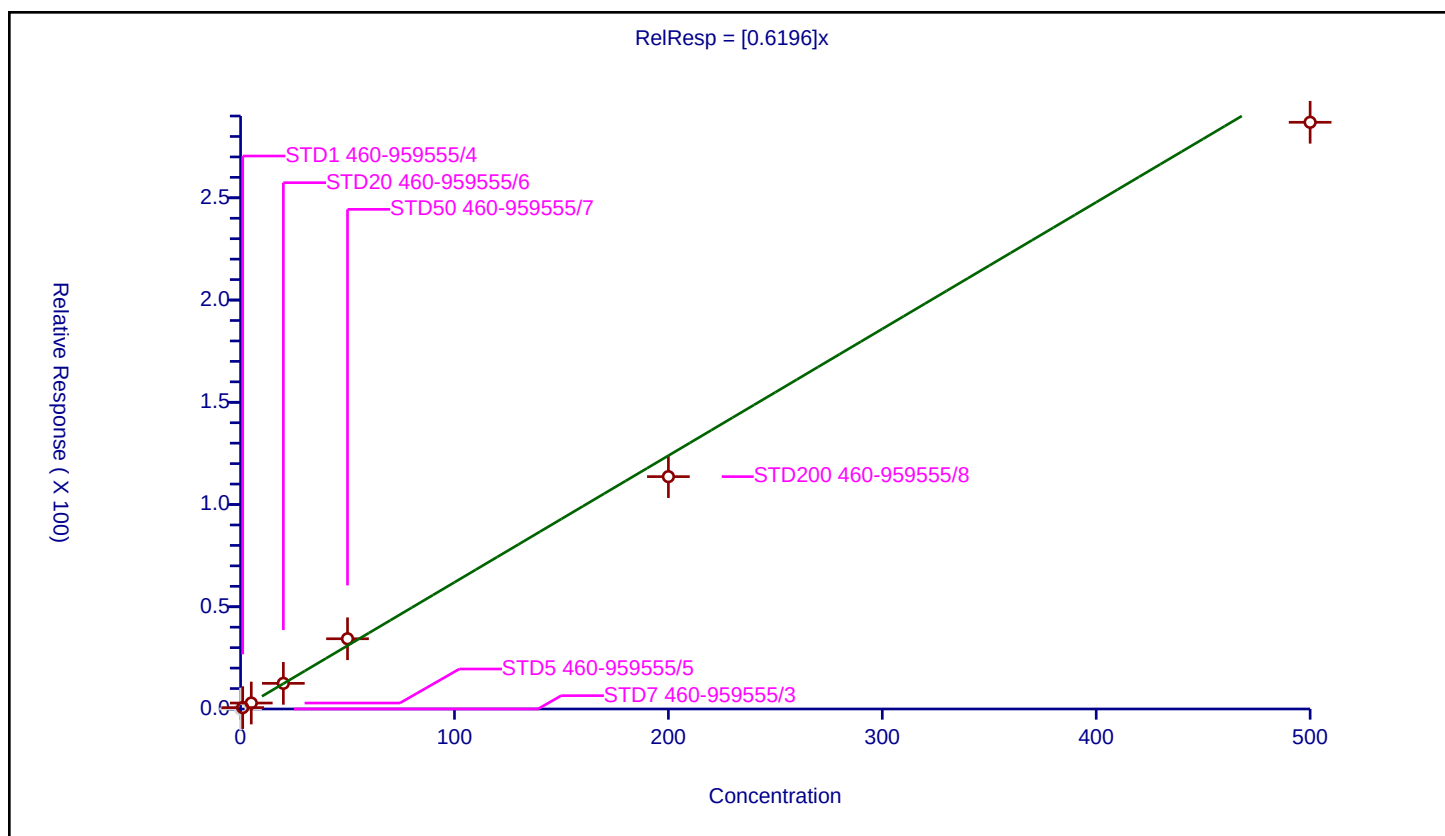
Curve Coefficients

Intercept: 0
Slope: 0.6196

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.677968	50.0	540512.0	0.677968	Y
3	STD5 460-959555/5	5.0	2.916019	50.0	525854.0	0.583204	Y
4	STD20 460-959555/6	20.0	12.545391	50.0	504225.0	0.62727	Y
5	STD50 460-959555/7	50.0	34.347787	50.0	481507.0	0.686956	Y
6	STD200 460-959555/8	200.0	113.633105	50.0	546838.0	0.568166	Y
7	STD500 460-959555/9	500.0	286.94139	50.0	582719.0	0.573883	Y



Calibration

/ Vinyl acetate

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

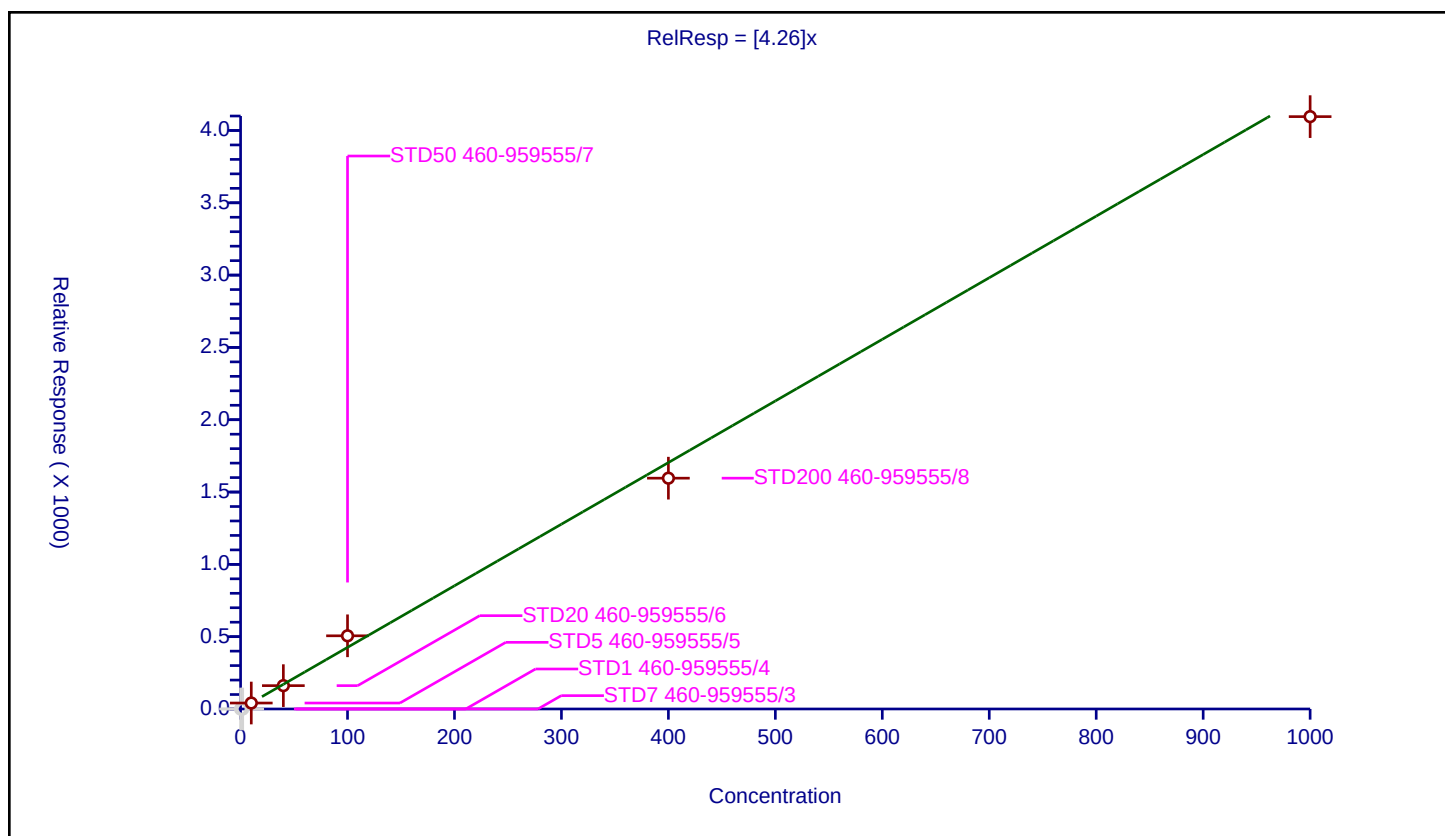
Curve Coefficients

Intercept: 0
Slope: 4.26

Error Coefficients

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	2.0	0.0	1000.0	108167.0	0.0	N
3	STD5 460-959555/5	10.0	41.200519	1000.0	113251.0	4.120052	Y
4	STD20 460-959555/6	40.0	161.334218	1000.0	119051.0	4.033355	Y
5	STD50 460-959555/7	100.0	505.948063	1000.0	114407.0	5.059481	Y
6	STD200 460-959555/8	400.0	1595.864173	1000.0	138352.0	3.98966	Y
7	STD500 460-959555/9	1000.0	4095.802331	1000.0	150393.0	4.095802	Y



Calibration

/ 2,2-Dichloropropane

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

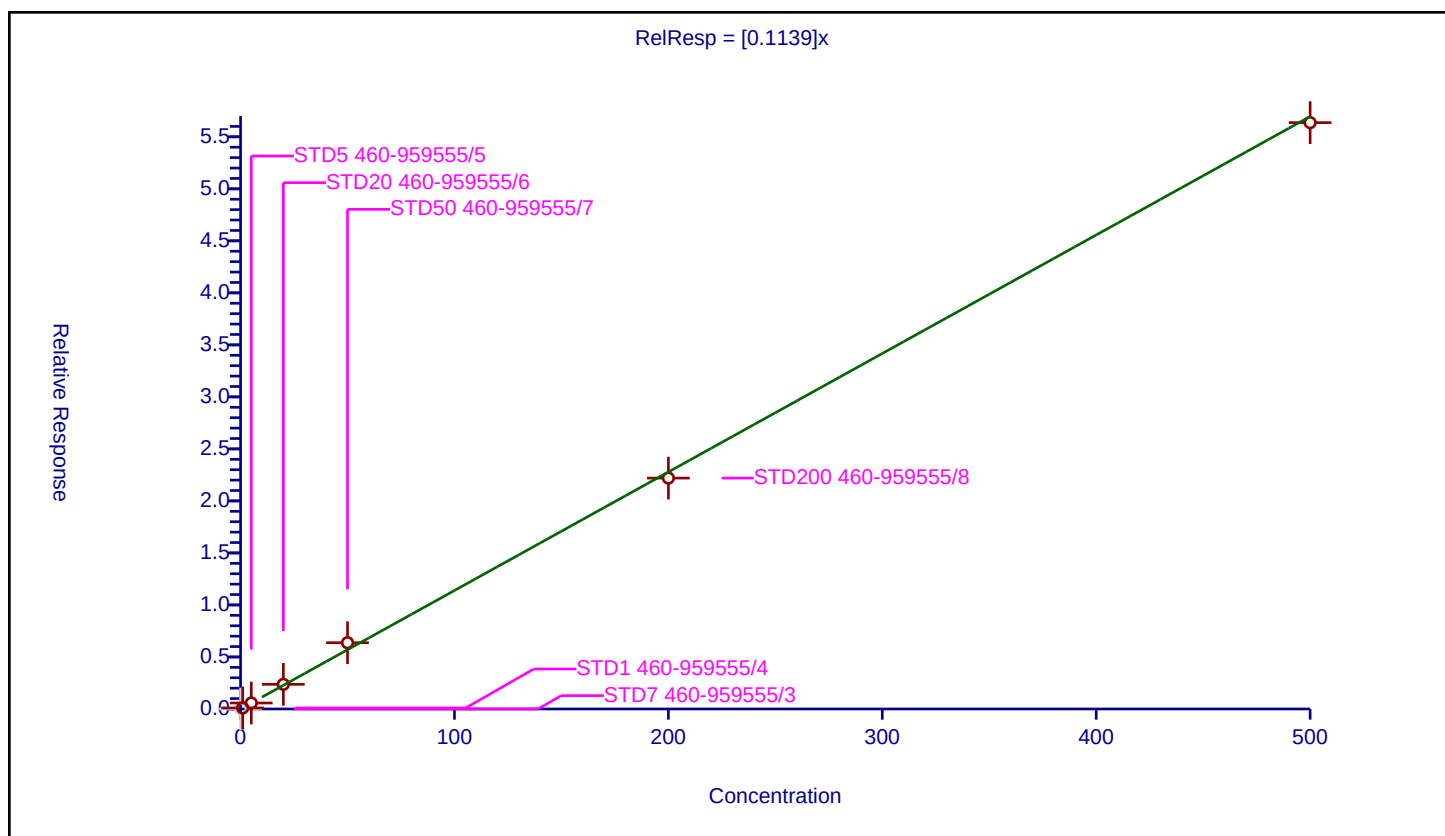
Curve Coefficients

Intercept: 0
Slope: 0.1139

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.098888	50.0	540512.0	0.098888	Y
3	STD5 460-959555/5	5.0	0.574494	50.0	525854.0	0.114899	Y
4	STD20 460-959555/6	20.0	2.37037	50.0	504225.0	0.118519	Y
5	STD50 460-959555/7	50.0	6.372285	50.0	481507.0	0.127446	Y
6	STD200 460-959555/8	200.0	22.195147	50.0	546838.0	0.110976	Y
7	STD500 460-959555/9	500.0	56.363873	50.0	582719.0	0.112728	Y



Calibration

/ cis-1,2-Dichloroethene

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

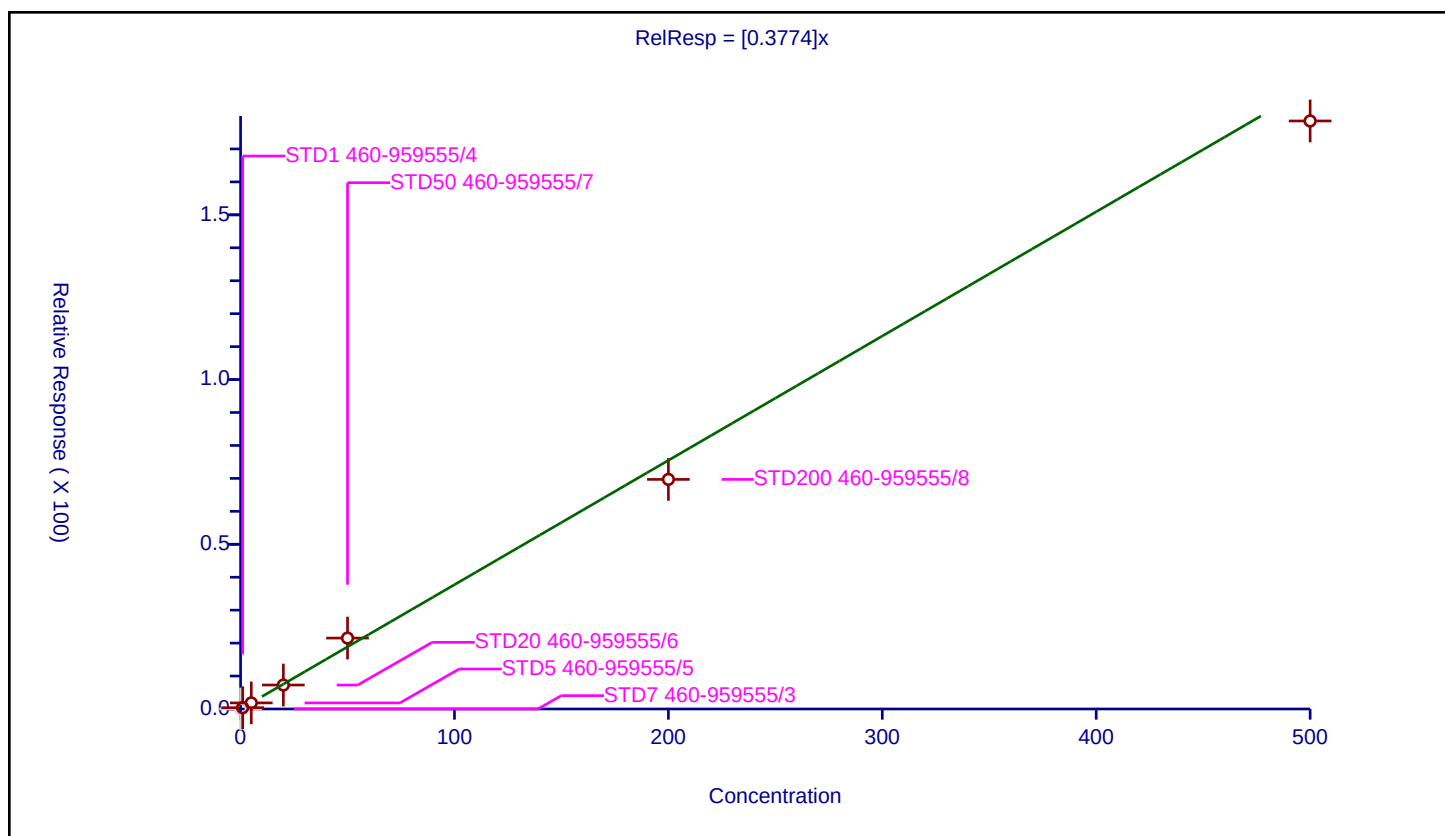
Curve Coefficients

Intercept: 0
Slope: 0.3774

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.395088	50.0	540512.0	0.395088	Y
3	STD5 460-959555/5	5.0	1.847281	50.0	525854.0	0.369456	Y
4	STD20 460-959555/6	20.0	7.272448	50.0	504225.0	0.363622	Y
5	STD50 460-959555/7	50.0	21.525855	50.0	481507.0	0.430517	Y
6	STD200 460-959555/8	200.0	69.693584	50.0	546838.0	0.348468	Y
7	STD500 460-959555/9	500.0	178.492893	50.0	582719.0	0.356986	Y



Calibration

/ 2-Butanone (MEK)

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

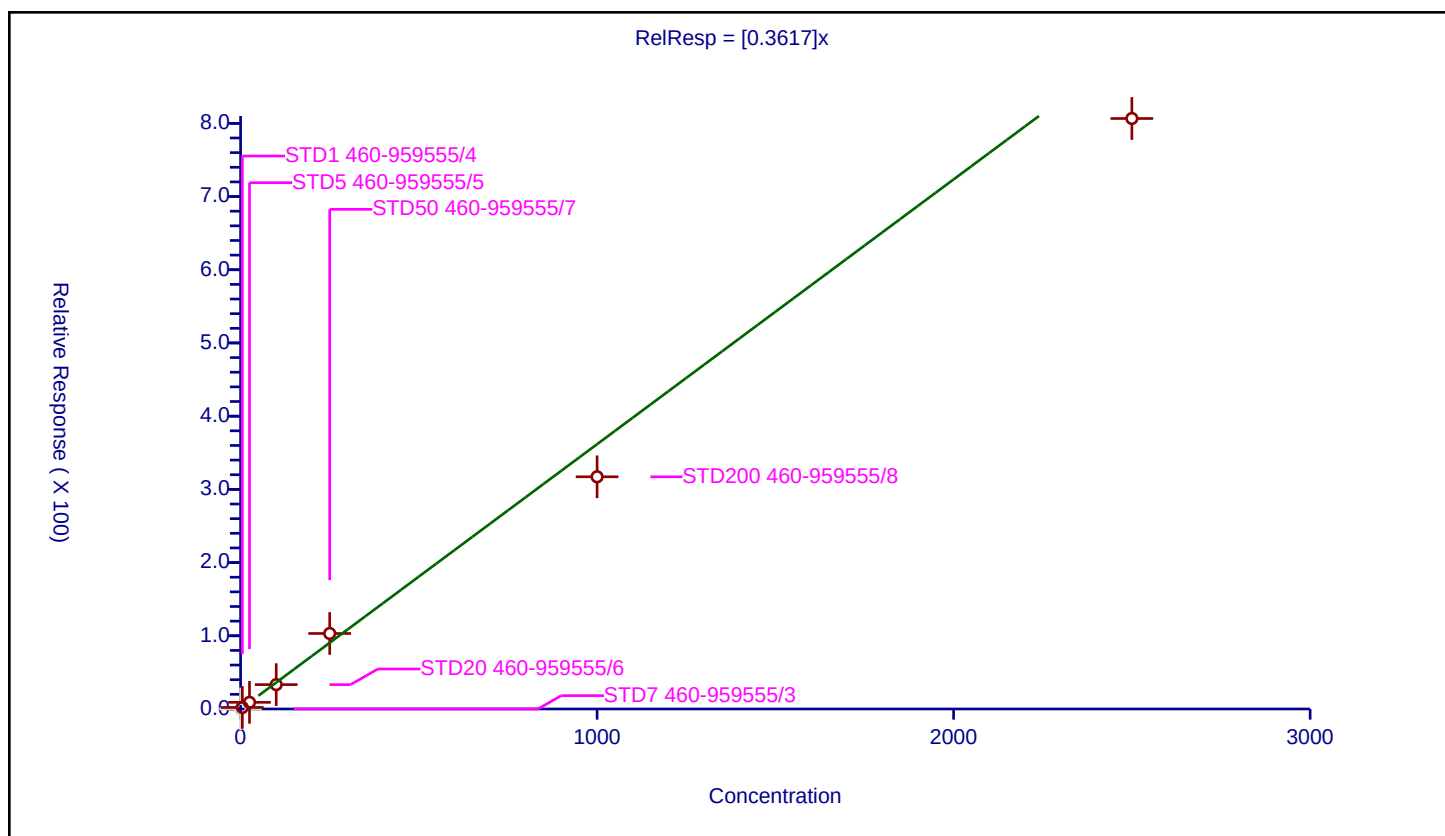
Curve Coefficients

Intercept: 0
Slope: 0.3617

Error Coefficients

Relative Standard Deviation: 12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	5.0	2.110129	250.0	161483.0	0.422026	Y
3	STD5 460-959555/5	25.0	9.074407	250.0	160589.0	0.362976	Y
4	STD20 460-959555/6	100.0	33.278227	250.0	164229.0	0.332782	Y
5	STD50 460-959555/7	250.0	103.150294	250.0	148875.0	0.412601	Y
6	STD200 460-959555/8	1000.0	317.186417	250.0	187590.0	0.317186	Y
7	STD500 460-959555/9	2500.0	806.622251	250.0	188146.0	0.322649	Y



Calibration

/ Ethyl acetate

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

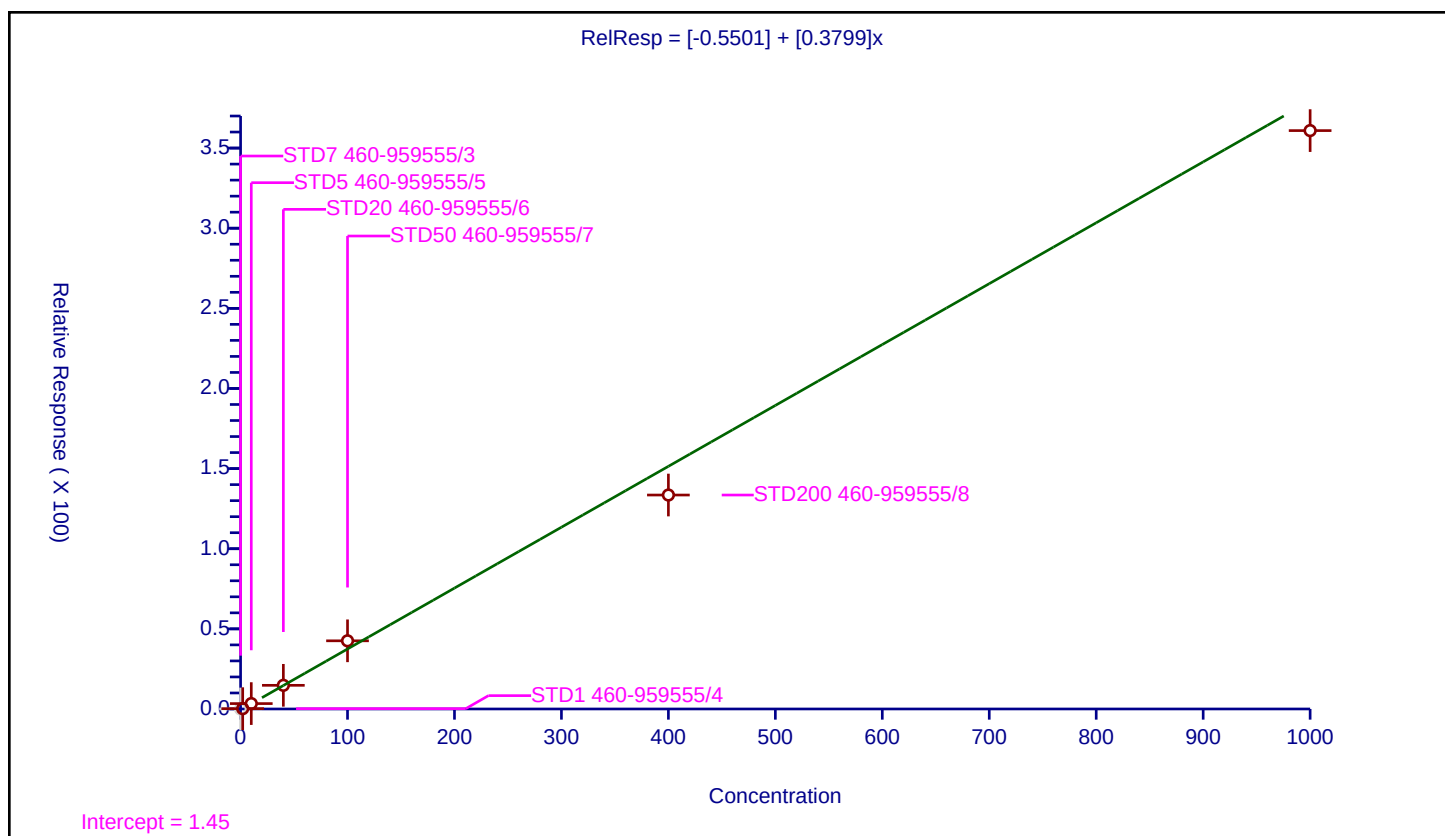
Curve Coefficients

Intercept: -0.5501
Slope: 0.3799

Error Coefficients

Relative Standard Deviation: 9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	2.0	0.202808	250.0	161483.0	0.101404	Y
3	STD5 460-959555/5	10.0	3.376632	250.0	160589.0	0.337663	Y
4	STD20 460-959555/6	40.0	14.764445	250.0	164229.0	0.369111	Y
5	STD50 460-959555/7	100.0	42.537364	250.0	148875.0	0.425374	Y
6	STD200 460-959555/8	400.0	133.510582	250.0	187590.0	0.333776	Y
7	STD500 460-959555/9	1000.0	360.905892	250.0	188146.0	0.360906	Y



Calibration

/ Chlorobromomethane

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

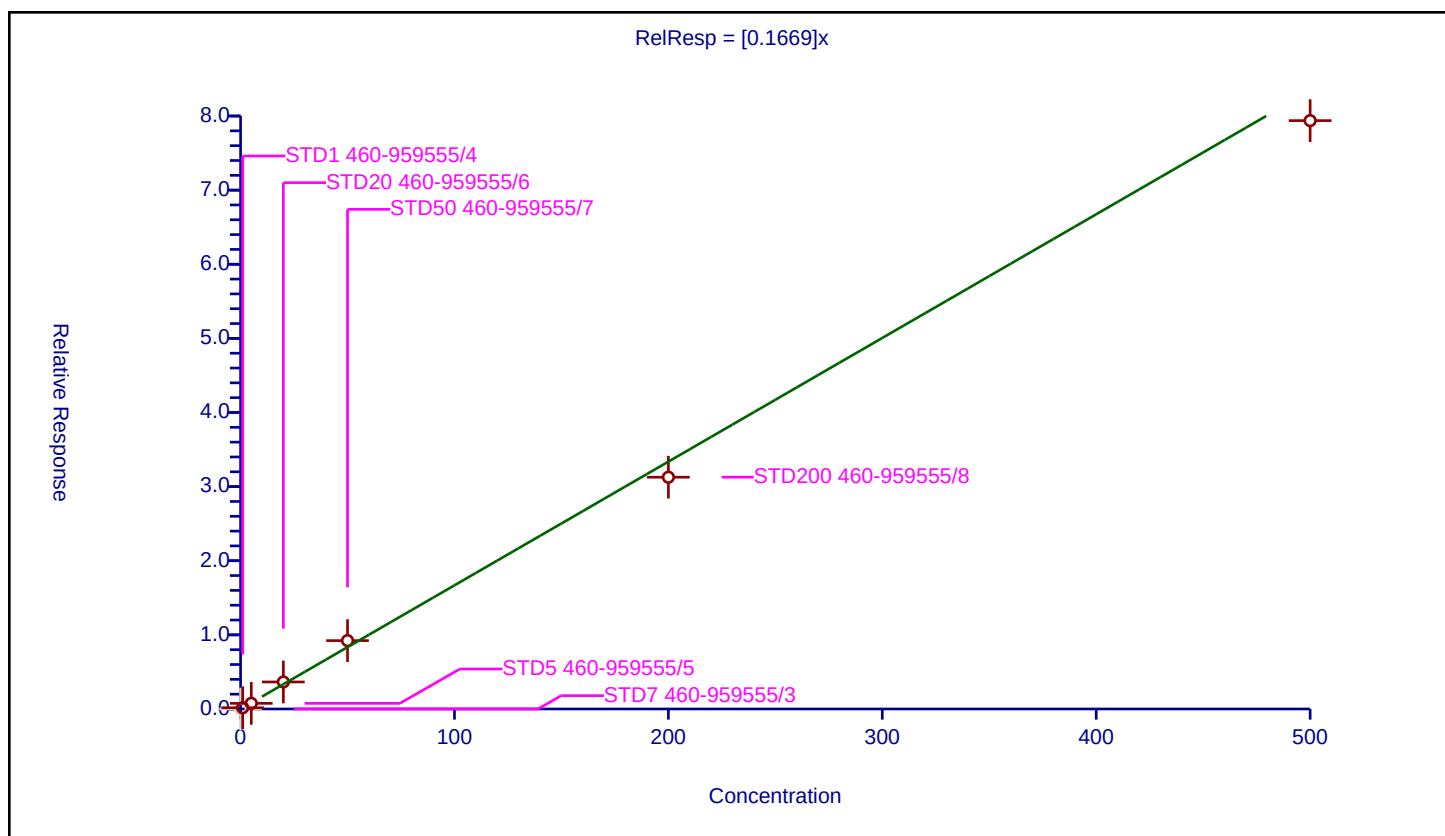
Curve Coefficients

Intercept: 0
 Slope: 0.1669

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.167341	50.0	540512.0	0.167341	Y
3	STD5 460-959555/5	5.0	0.759907	50.0	525854.0	0.151981	Y
4	STD20 460-959555/6	20.0	3.645	50.0	504225.0	0.18225	Y
5	STD50 460-959555/7	50.0	9.223334	50.0	481507.0	0.184467	Y
6	STD200 460-959555/8	200.0	31.267578	50.0	546838.0	0.156338	Y
7	STD500 460-959555/9	500.0	79.37874	50.0	582719.0	0.158757	Y



Calibration

/ Tetrahydrofuran

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

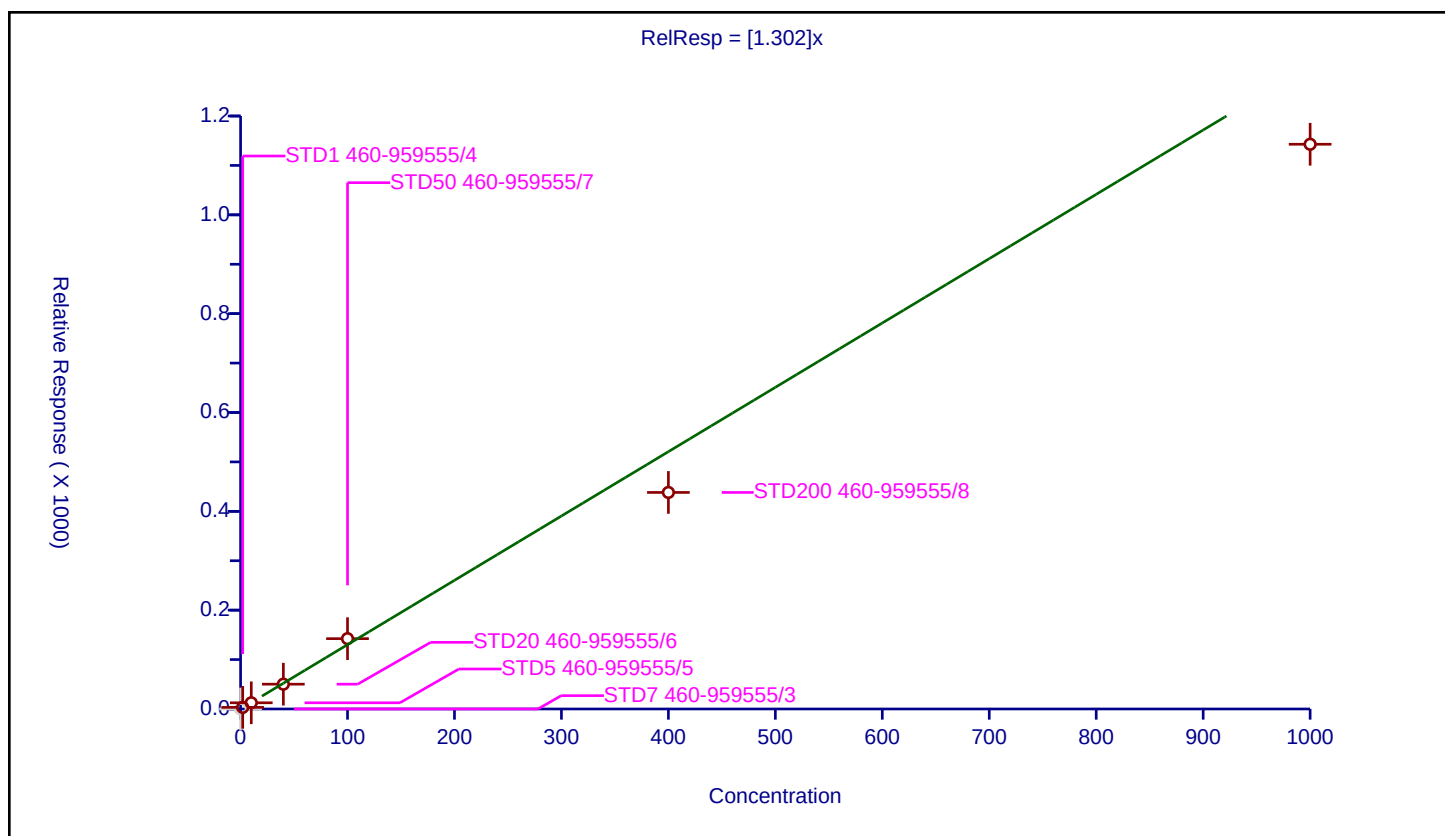
Curve Coefficients

Intercept: 0
Slope: 1.302

Error Coefficients

Relative Standard Deviation: 15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	2.0	3.277435	250.0	161483.0	1.638717	Y
3	STD5 460-959555/5	10.0	12.553786	250.0	160589.0	1.255379	Y
4	STD20 460-959555/6	40.0	50.214944	250.0	164229.0	1.255374	Y
5	STD50 460-959555/7	100.0	142.31906	250.0	148875.0	1.423191	Y
6	STD200 460-959555/8	400.0	438.202996	250.0	187590.0	1.095507	Y
7	STD500 460-959555/9	1000.0	1142.875745	250.0	188146.0	1.142876	Y



Calibration

/ Chloroform

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

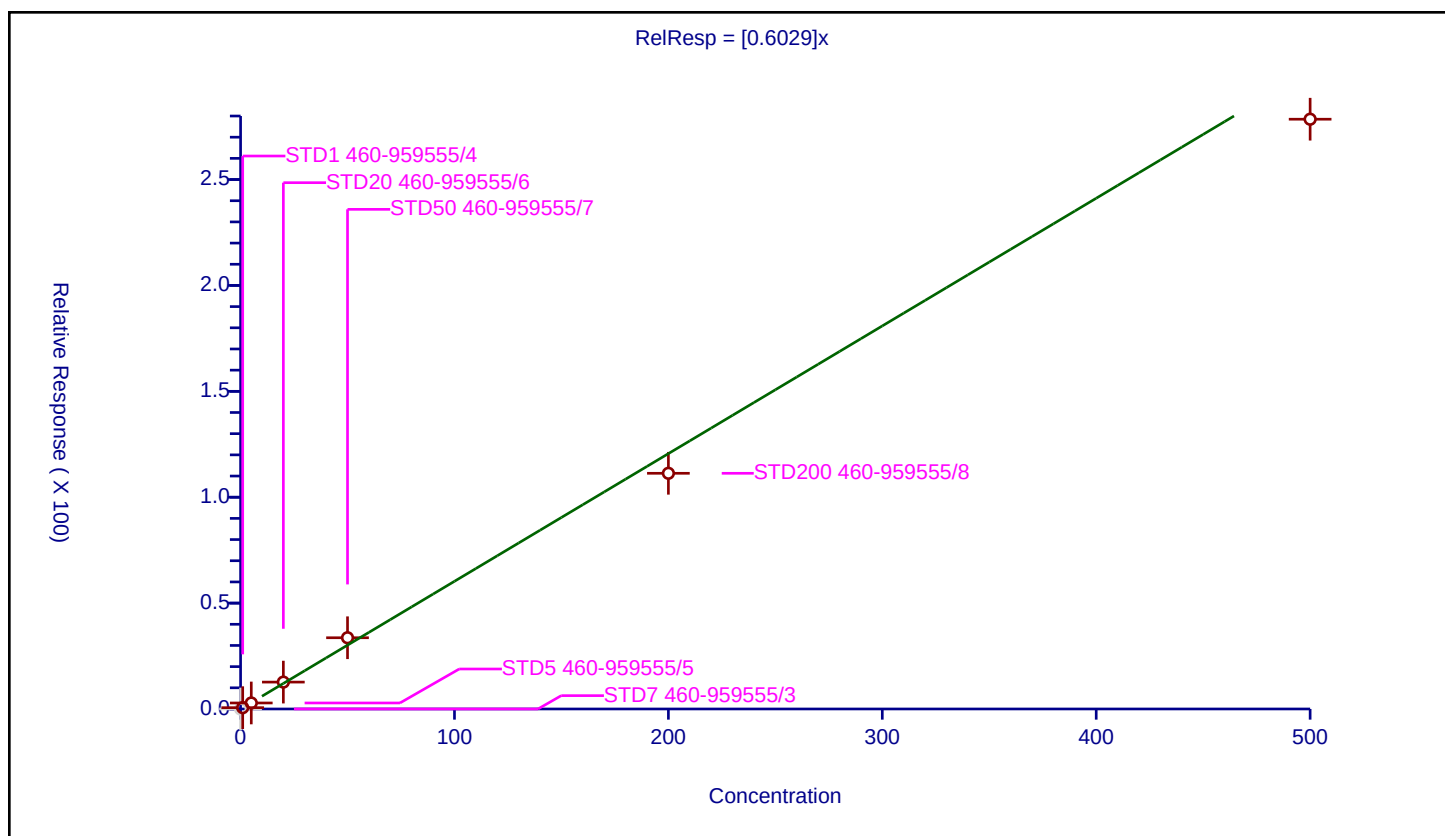
Curve Coefficients

Intercept: 0
Slope: 0.6029

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.628663	50.0	540512.0	0.628663	Y
3	STD5 460-959555/5	5.0	2.838335	50.0	525854.0	0.567667	Y
4	STD20 460-959555/6	20.0	12.696118	50.0	504225.0	0.634806	Y
5	STD50 460-959555/7	50.0	33.643021	50.0	481507.0	0.67286	Y
6	STD200 460-959555/8	200.0	111.295759	50.0	546838.0	0.556479	Y
7	STD500 460-959555/9	500.0	278.490147	50.0	582719.0	0.55698	Y



Calibration

/ Cyclohexane

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

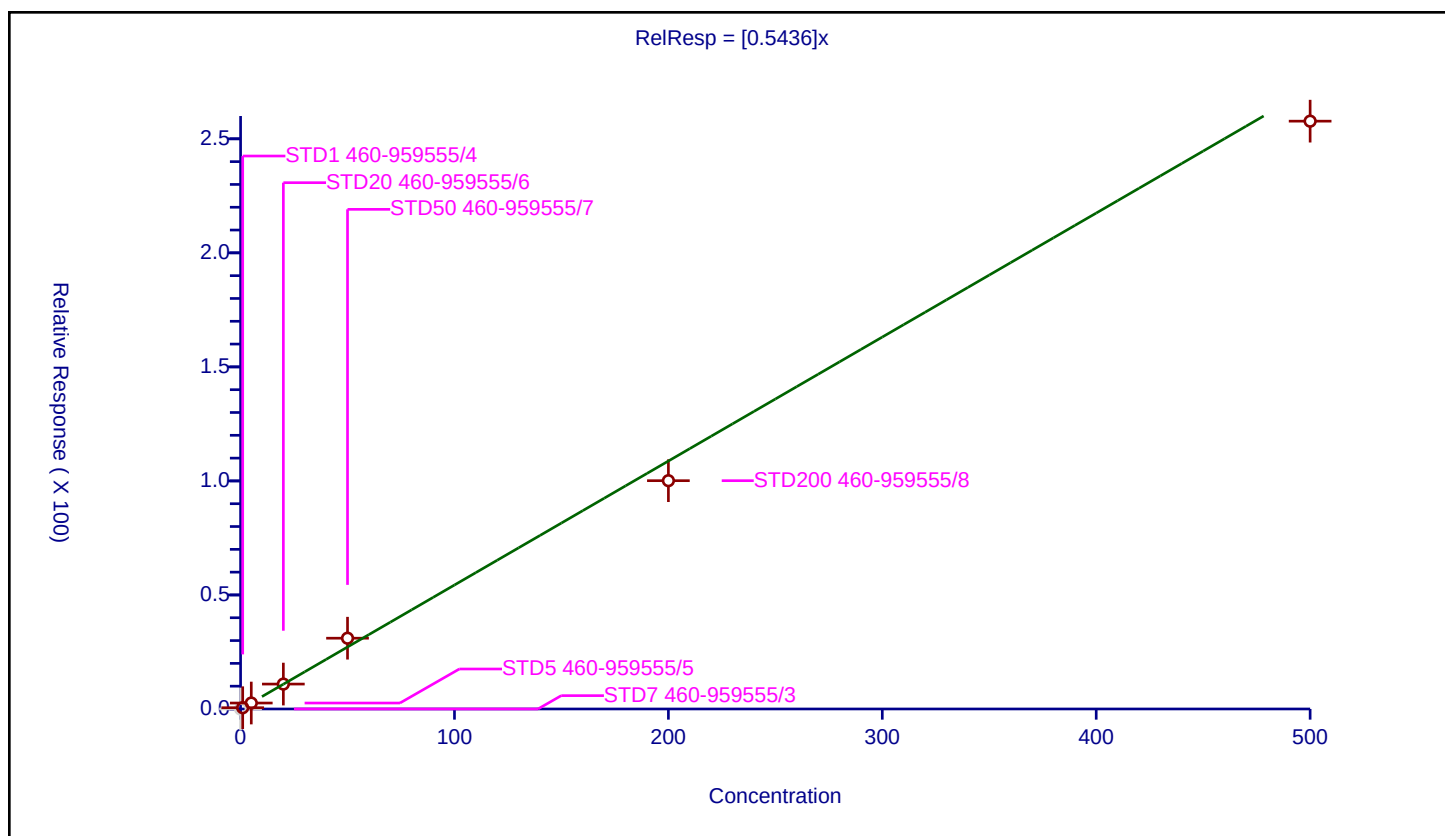
Curve Coefficients

Intercept: 0
Slope: 0.5436

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.556602	50.0	540512.0	0.556602	Y
3	STD5 460-959555/5	5.0	2.609374	50.0	525854.0	0.521875	Y
4	STD20 460-959555/6	20.0	10.93014	50.0	504225.0	0.546507	Y
5	STD50 460-959555/7	50.0	31.033609	50.0	481507.0	0.620672	Y
6	STD200 460-959555/8	200.0	100.10579	50.0	546838.0	0.500529	Y
7	STD500 460-959555/9	500.0	257.739322	50.0	582719.0	0.515479	Y



Calibration

/ 1,1,1-Trichloroethane

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

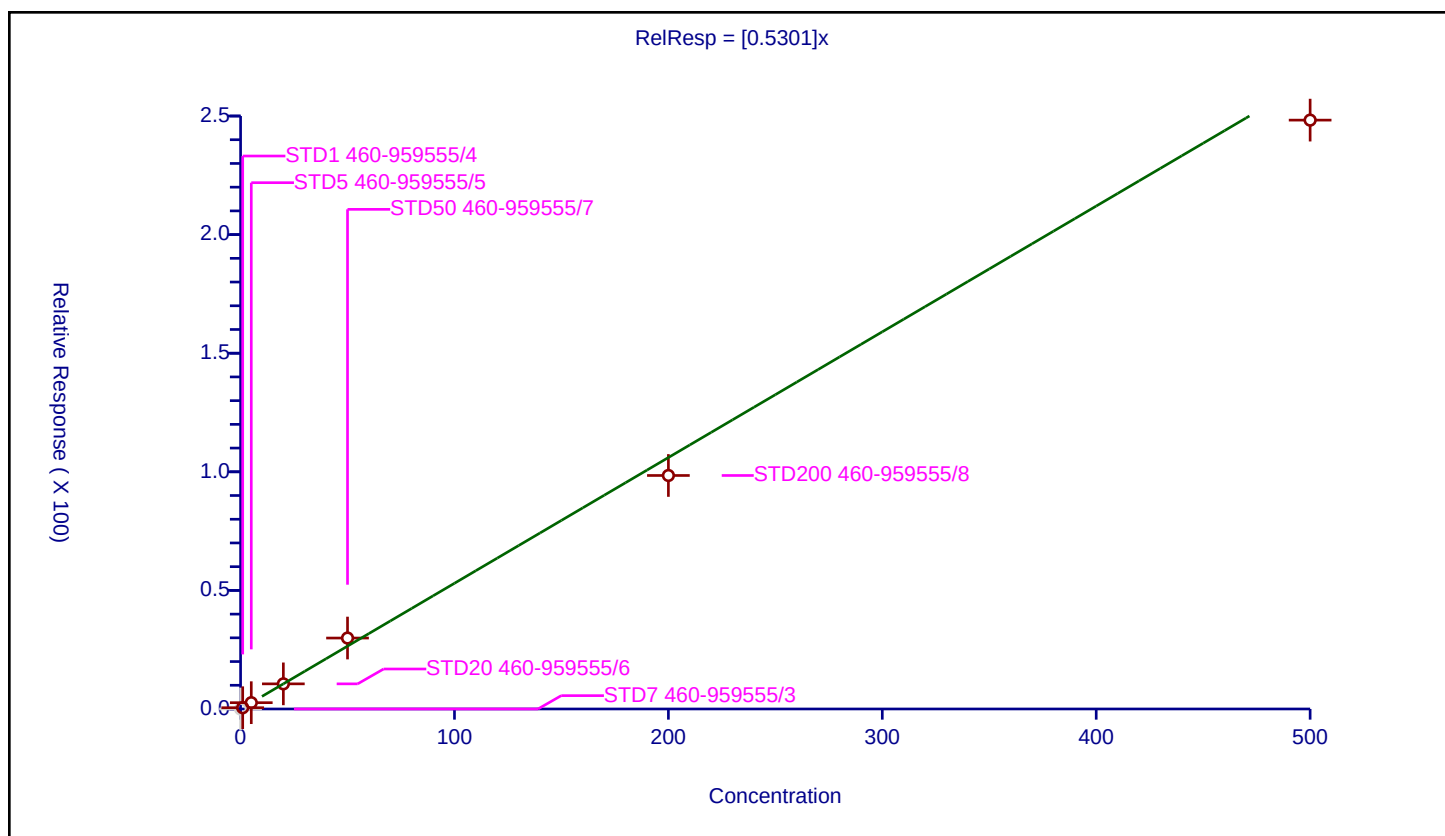
Curve Coefficients

Intercept: 0
Slope: 0.5301

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.531256	50.0	540512.0	0.531256	Y
3	STD5 460-959555/5	5.0	2.661005	50.0	525854.0	0.532201	Y
4	STD20 460-959555/6	20.0	10.600625	50.0	504225.0	0.530031	Y
5	STD50 460-959555/7	50.0	29.908599	50.0	481507.0	0.598172	Y
6	STD200 460-959555/8	200.0	98.446981	50.0	546838.0	0.492235	Y
7	STD500 460-959555/9	500.0	248.267862	50.0	582719.0	0.496536	Y



Calibration

/ Dibromofluoromethane (Surr)

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

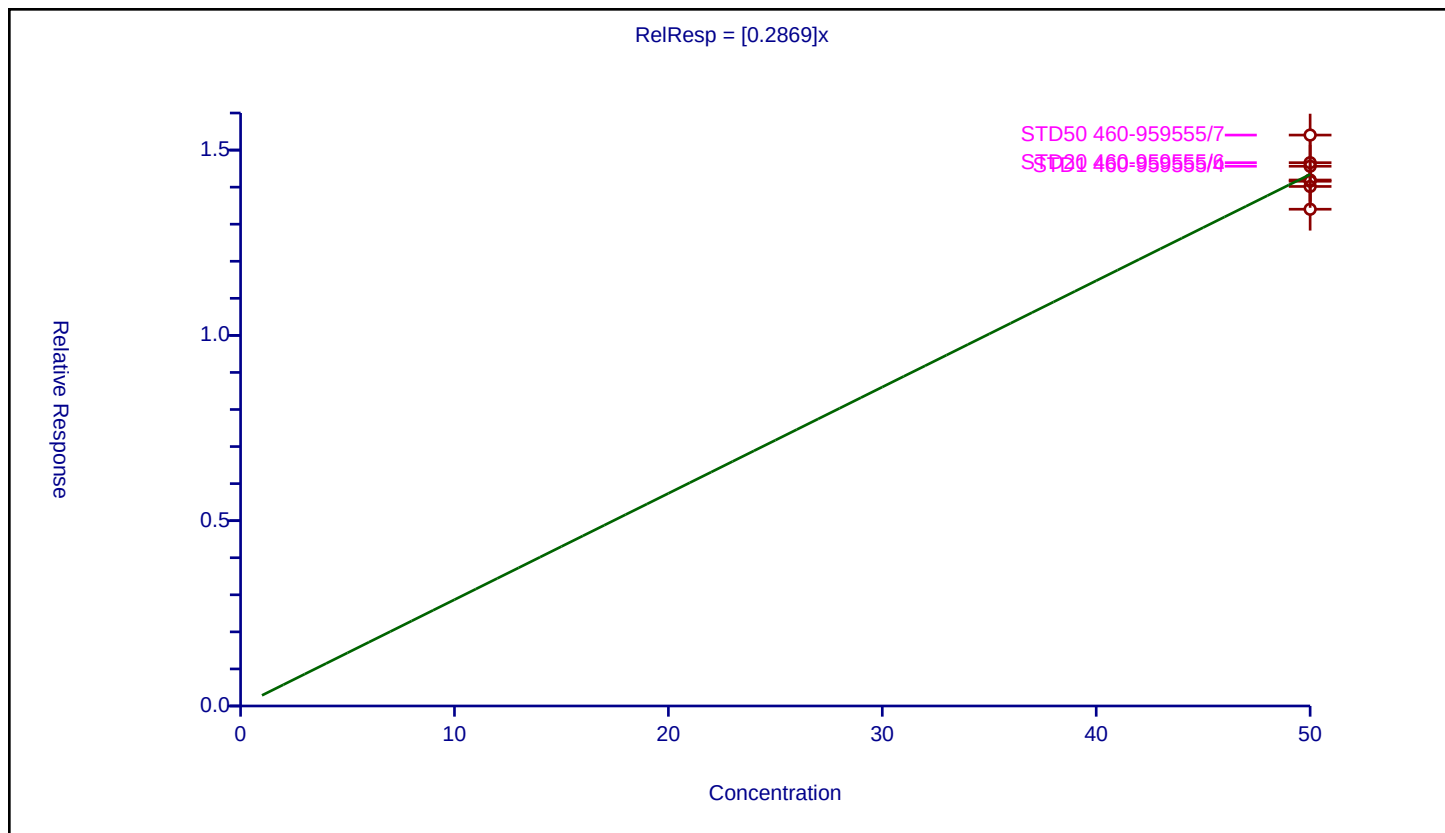
Curve Coefficients

Intercept: 0
Slope: 0.2869

Error Coefficients

Relative Standard Deviation: 4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	50.0	14.158426	50.0	537249.0	0.283169	Y
2	STD1 460-959555/4	50.0	14.563506	50.0	540512.0	0.29127	Y
3	STD5 460-959555/5	50.0	14.192723	50.0	525854.0	0.283854	Y
4	STD20 460-959555/6	50.0	14.660419	50.0	504225.0	0.293208	Y
5	STD50 460-959555/7	50.0	15.404968	50.0	481507.0	0.308099	Y
6	STD200 460-959555/8	50.0	13.403604	50.0	546838.0	0.268072	Y
7	STD500 460-959555/9	50.0	14.018506	50.0	582719.0	0.28037	Y



Calibration

/ Carbon tetrachloride

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

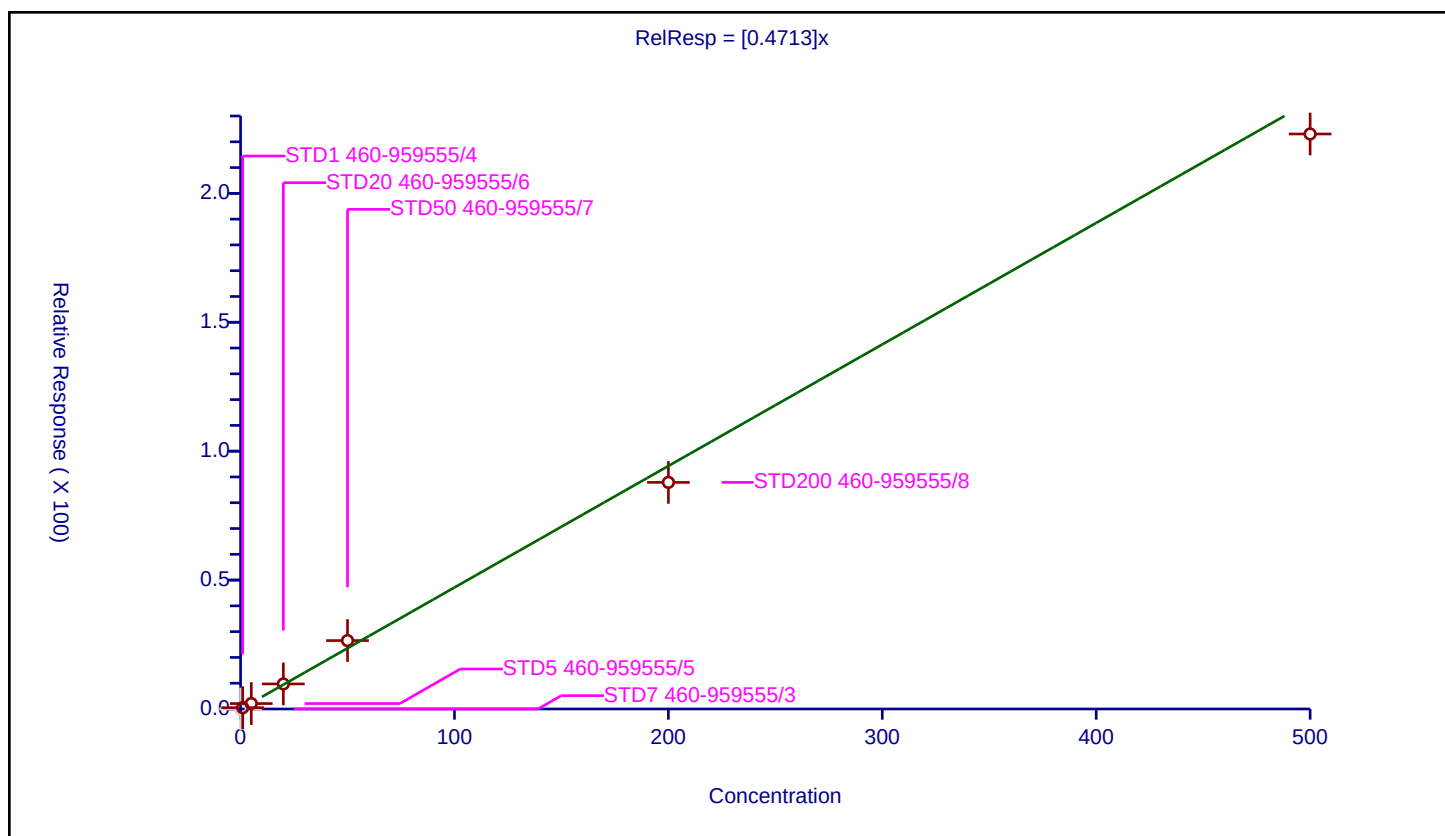
Curve Coefficients

Intercept: 0
Slope: 0.4713

Error Coefficients

Relative Standard Deviation: 9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.505724	50.0	540512.0	0.505724	Y
3	STD5 460-959555/5	5.0	2.100393	50.0	525854.0	0.420079	Y
4	STD20 460-959555/6	20.0	9.718281	50.0	504225.0	0.485914	Y
5	STD50 460-959555/7	50.0	26.534713	50.0	481507.0	0.530694	Y
6	STD200 460-959555/8	200.0	87.897055	50.0	546838.0	0.439485	Y
7	STD500 460-959555/9	500.0	223.031598	50.0	582719.0	0.446063	Y



Calibration

/ 1,1-Dichloropropene

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

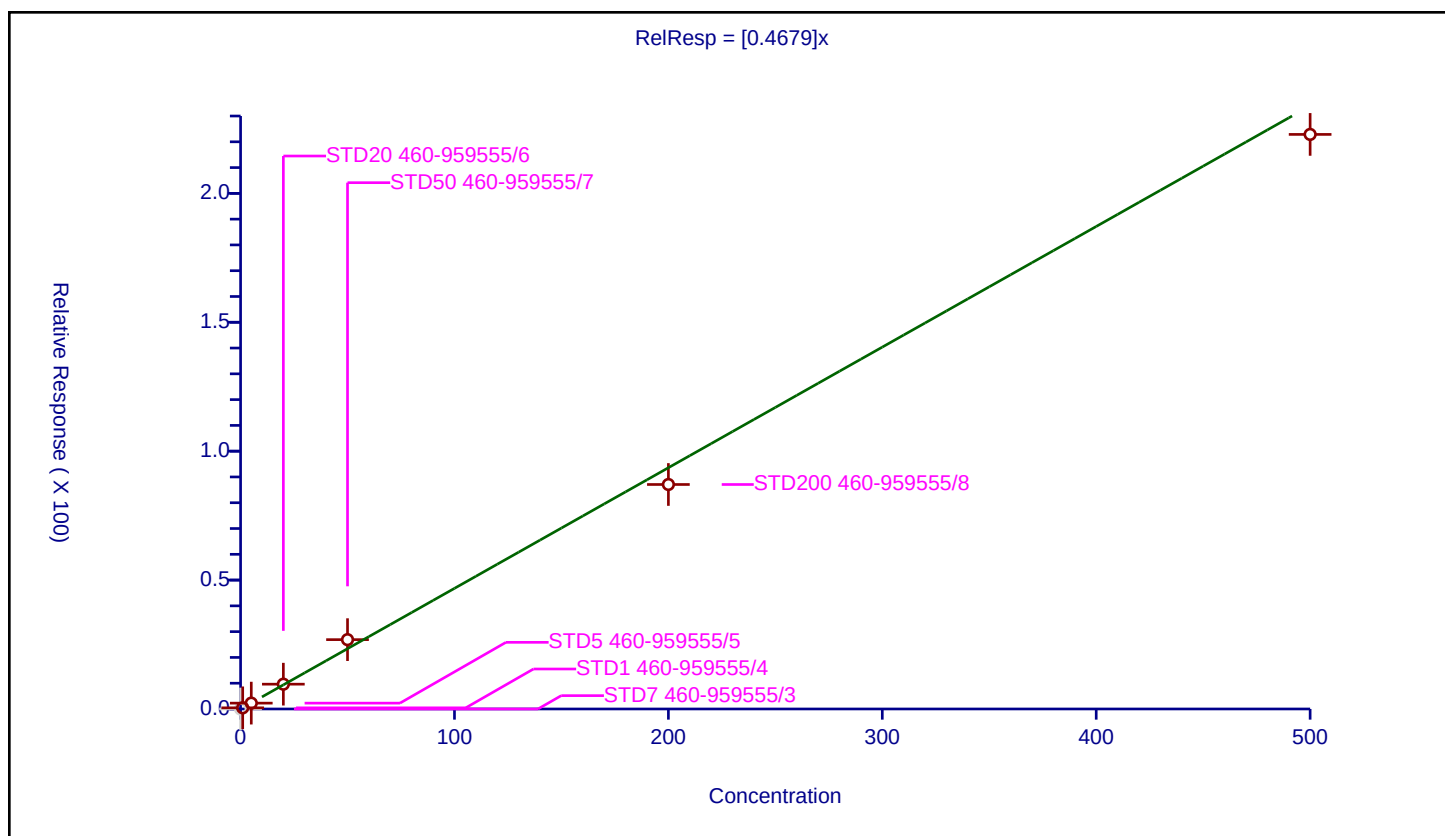
Curve Coefficients

Intercept: 0
Slope: 0.4679

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.452164	50.0	540512.0	0.452164	Y
3	STD5 460-959555/5	5.0	2.275441	50.0	525854.0	0.455088	Y
4	STD20 460-959555/6	20.0	9.621003	50.0	504225.0	0.48105	Y
5	STD50 460-959555/7	50.0	26.896078	50.0	481507.0	0.537922	Y
6	STD200 460-959555/8	200.0	87.078257	50.0	546838.0	0.435391	Y
7	STD500 460-959555/9	500.0	222.862134	50.0	582719.0	0.445724	Y



Calibration

/ Benzene

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

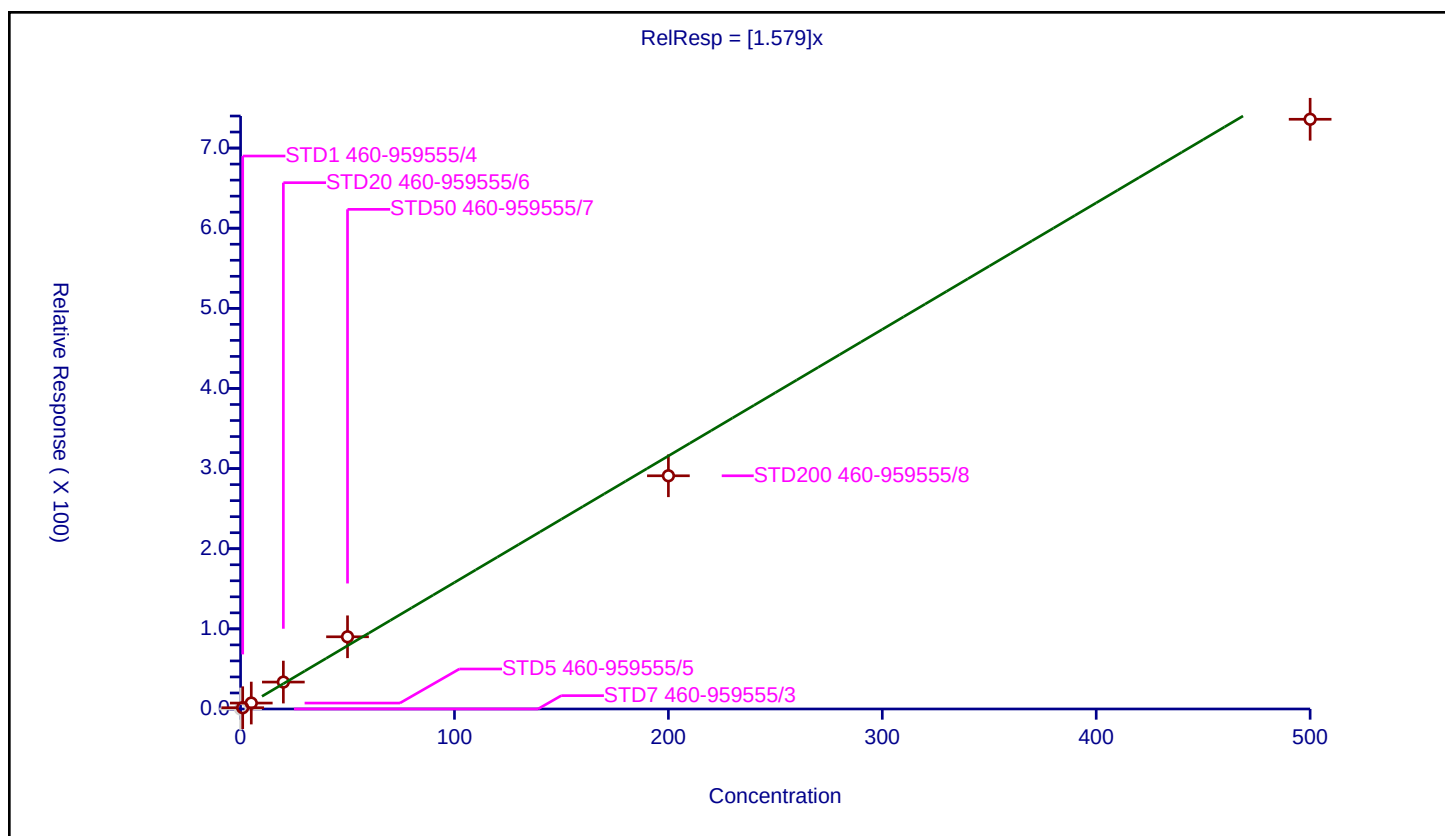
Curve Coefficients

Intercept: 0
Slope: 1.579

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	1.582947	50.0	436717.0	1.582947	Y
3	STD5 460-959555/5	5.0	7.415127	50.0	422953.0	1.483025	Y
4	STD20 460-959555/6	20.0	33.585905	50.0	415195.0	1.679295	Y
5	STD50 460-959555/7	50.0	90.091617	50.0	401564.0	1.801832	Y
6	STD200 460-959555/8	200.0	291.0425	50.0	471856.0	1.455213	Y
7	STD500 460-959555/9	500.0	735.931112	50.0	502442.0	1.471862	Y



Calibration

/ 1,2-Dichloroethane-d4 (Surr)

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

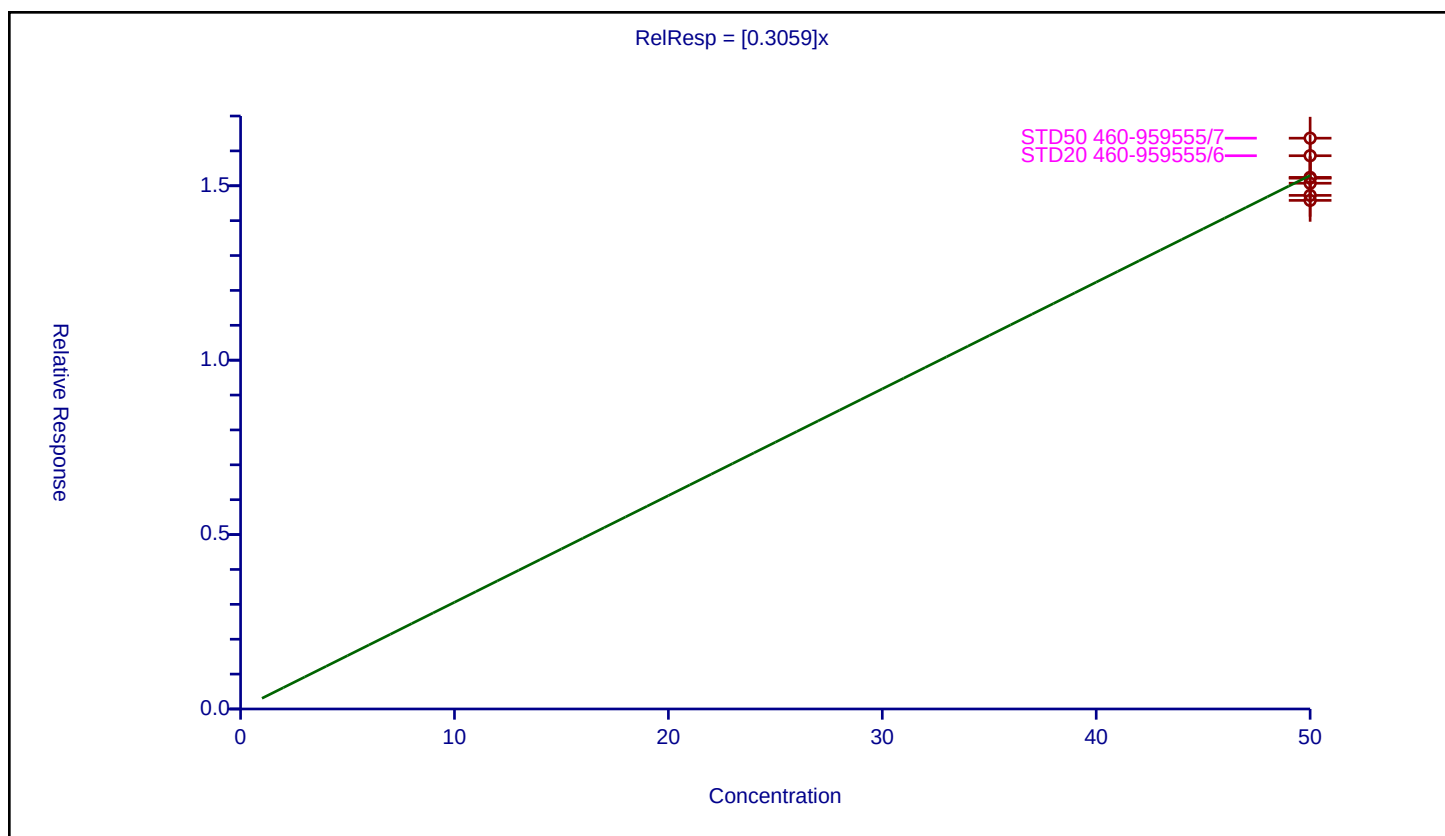
Curve Coefficients

Intercept: 0
 Slope: 0.3059

Error Coefficients

Relative Standard Deviation: 4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	50.0	15.218176	50.0	537249.0	0.304364	Y
2	STD1 460-959555/4	50.0	14.725112	50.0	540512.0	0.294502	Y
3	STD5 460-959555/5	50.0	15.240732	50.0	525854.0	0.304815	Y
4	STD20 460-959555/6	50.0	15.861867	50.0	504225.0	0.317237	Y
5	STD50 460-959555/7	50.0	16.364975	50.0	481507.0	0.327299	Y
6	STD200 460-959555/8	50.0	14.581467	50.0	546838.0	0.291629	Y
7	STD500 460-959555/9	50.0	15.072531	50.0	582719.0	0.301451	Y



Calibration

/ Isopropyl acetate

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

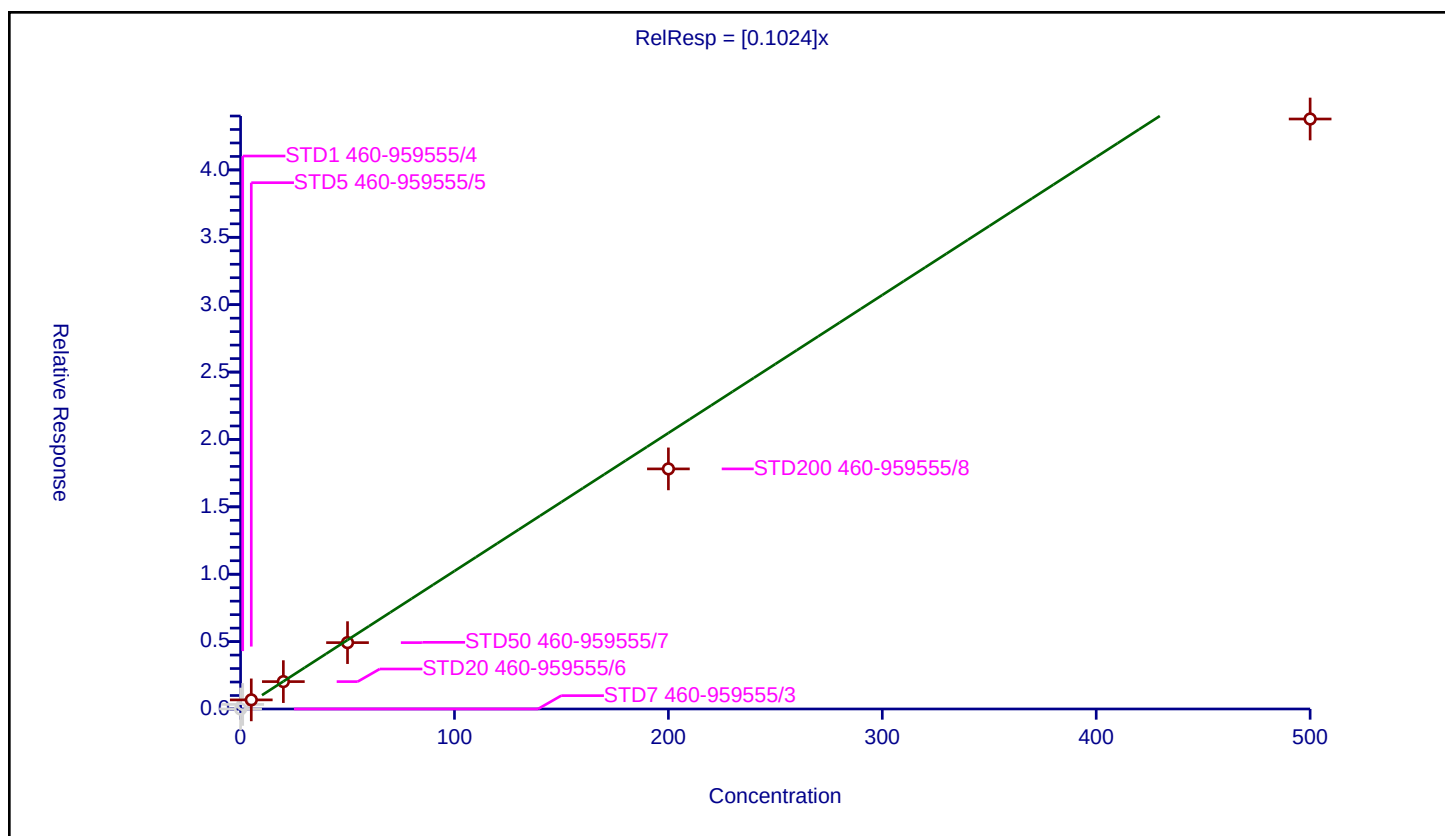
Curve Coefficients

Intercept: 0
Slope: 0.1024

Error Coefficients

Relative Standard Deviation: 18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.34014	50.0	540512.0	0.34014	N
3	STD5 460-959555/5	5.0	0.676233	50.0	525854.0	0.135247	Y
4	STD20 460-959555/6	20.0	2.03193	50.0	504225.0	0.101597	Y
5	STD50 460-959555/7	50.0	4.923397	50.0	481507.0	0.098468	Y
6	STD200 460-959555/8	200.0	17.816428	50.0	546838.0	0.089082	Y
7	STD500 460-959555/9	500.0	43.77779	50.0	582719.0	0.087556	Y



Calibration

/ 1,2-Dichloroethane

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

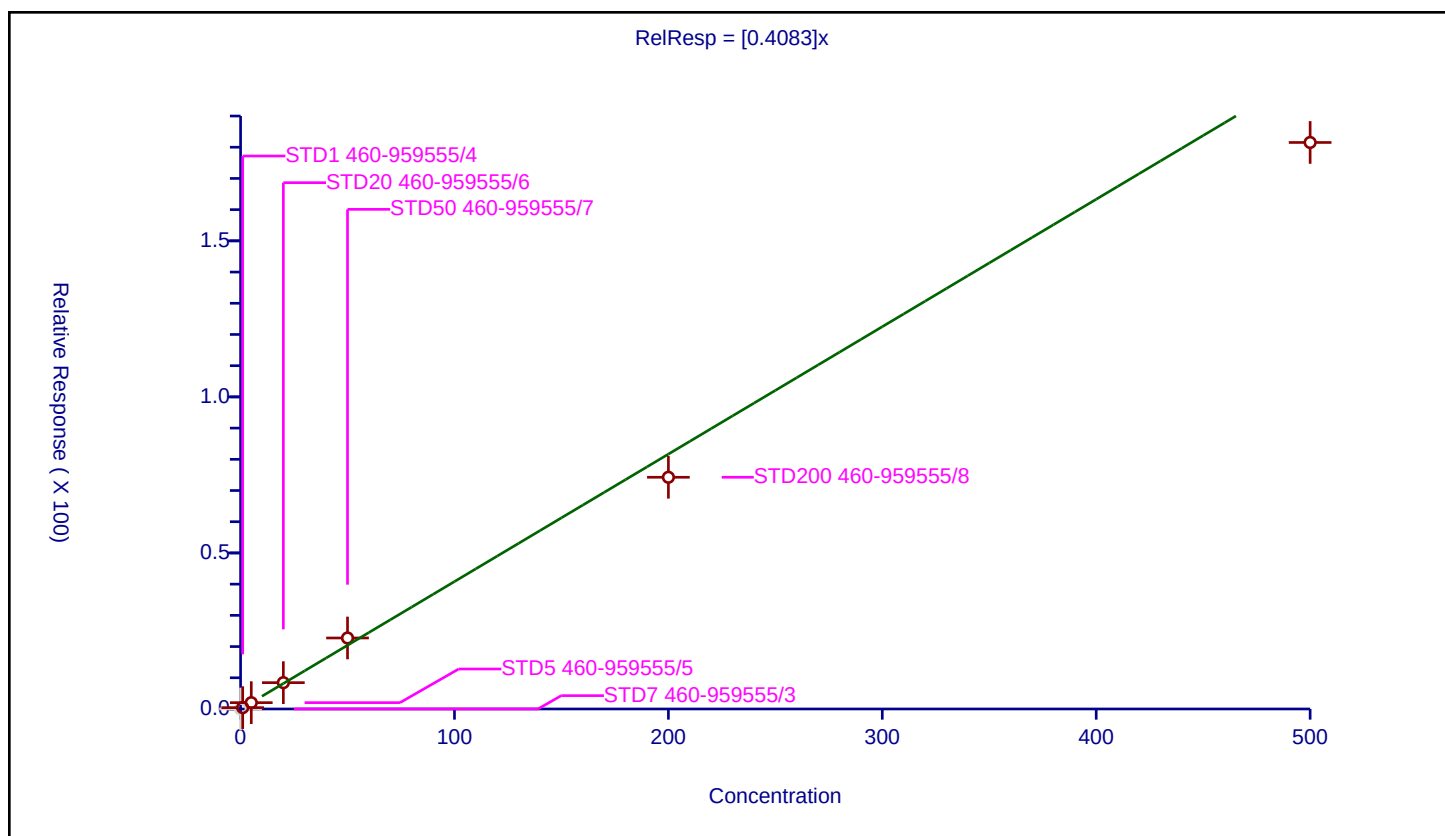
Curve Coefficients

Intercept: 0
Slope: 0.4083

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.433755	50.0	540512.0	0.433755	Y
3	STD5 460-959555/5	5.0	2.024992	50.0	525854.0	0.404998	Y
4	STD20 460-959555/6	20.0	8.438991	50.0	504225.0	0.42195	Y
5	STD50 460-959555/7	50.0	22.746191	50.0	481507.0	0.454924	Y
6	STD200 460-959555/8	200.0	74.245389	50.0	546838.0	0.371227	Y
7	STD500 460-959555/9	500.0	181.520681	50.0	582719.0	0.363041	Y



Calibration

/ n-Heptane

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

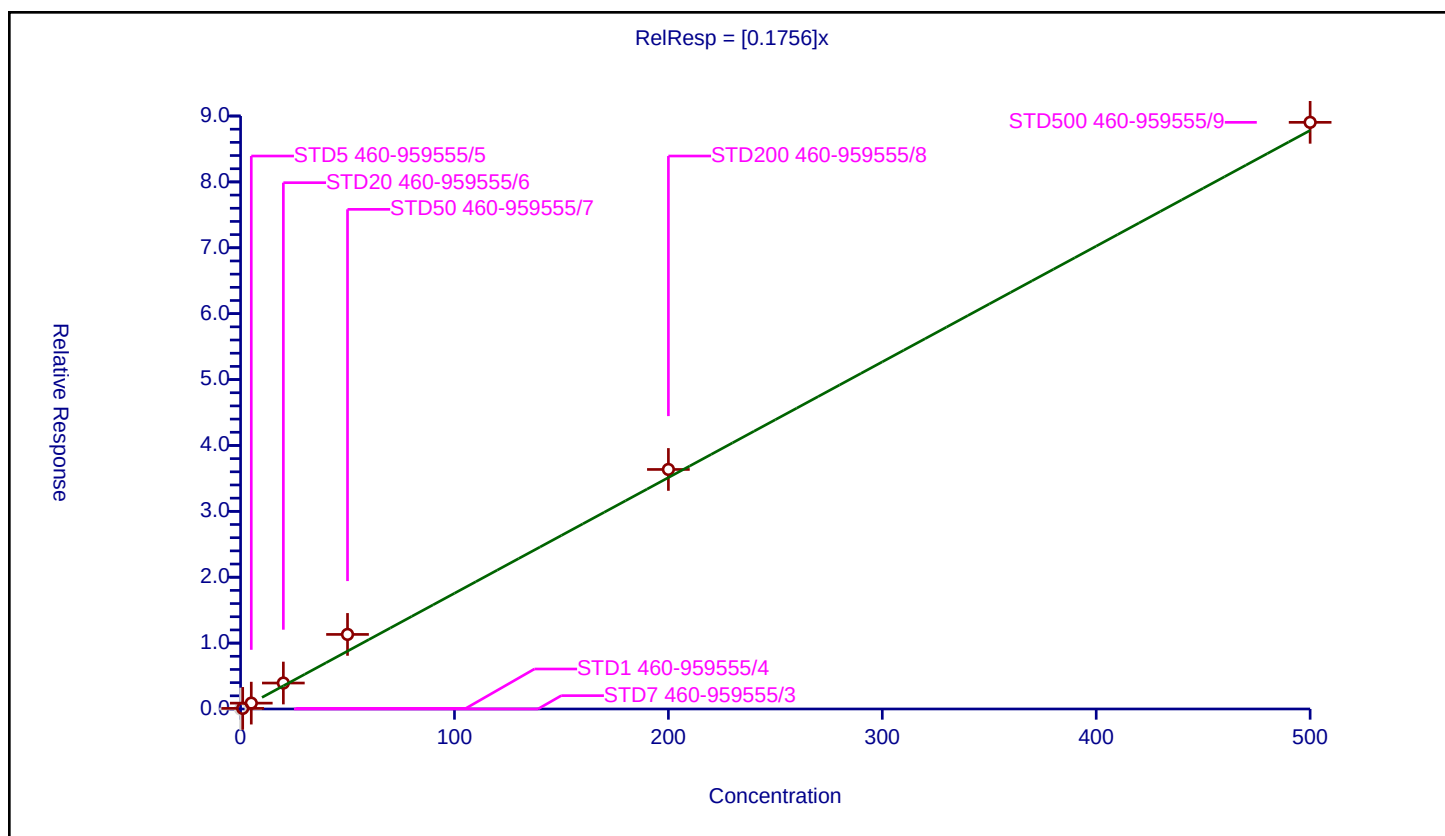
Curve Coefficients

Intercept: 0
Slope: 0.1756

Error Coefficients

Relative Standard Deviation: 25.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.092597	50.0	540512.0	0.092597	Y
3	STD5 460-959555/5	5.0	0.889505	50.0	525854.0	0.177901	Y
4	STD20 460-959555/6	20.0	3.939908	50.0	504225.0	0.196995	Y
5	STD50 460-959555/7	50.0	11.319669	50.0	481507.0	0.226393	Y
6	STD200 460-959555/8	200.0	36.356563	50.0	546838.0	0.181783	Y
7	STD500 460-959555/9	500.0	89.042317	50.0	582719.0	0.178085	Y



Calibration

/ n-Butanol

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

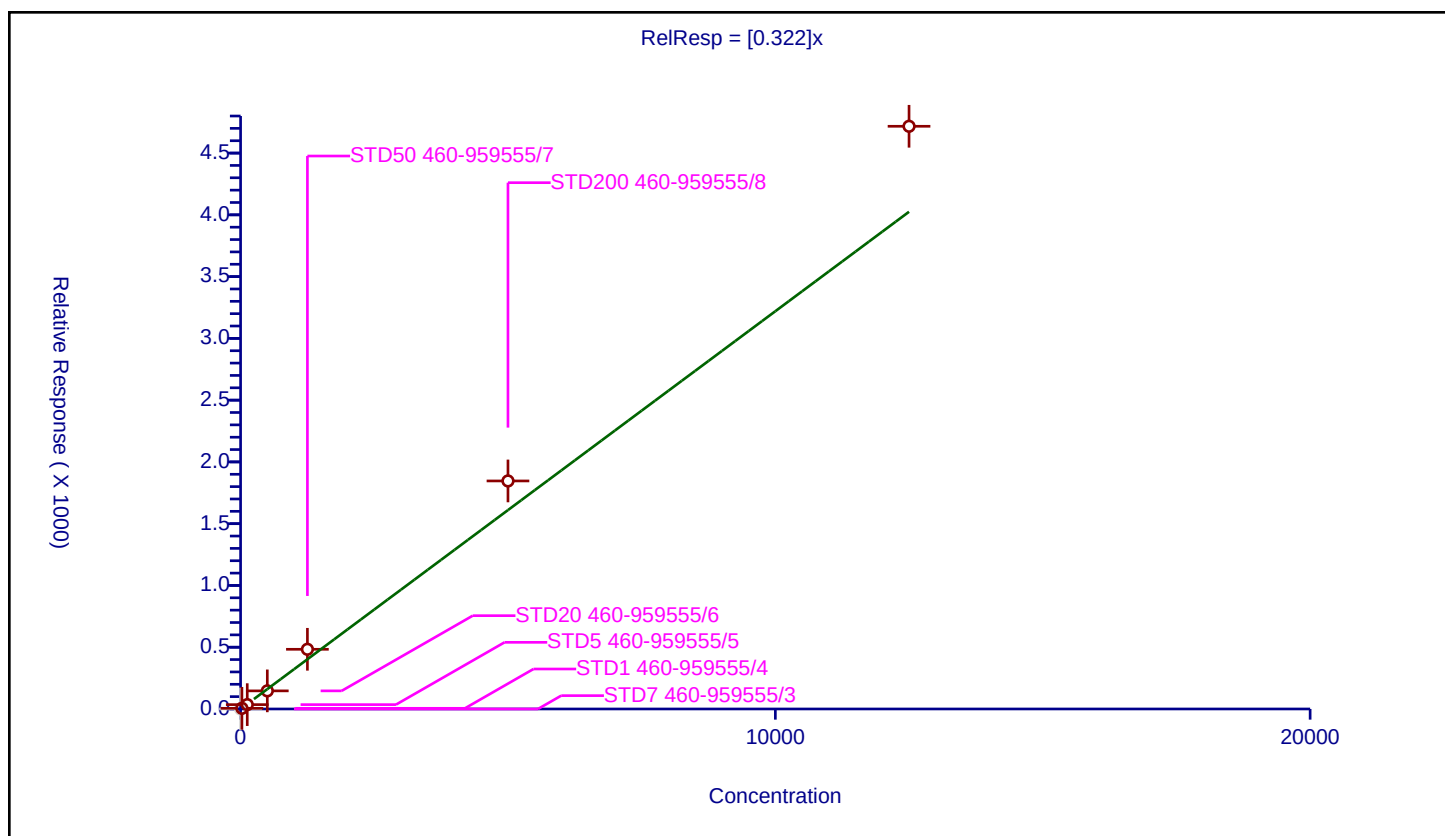
Curve Coefficients

Intercept: 0
Slope: 0.322

Error Coefficients

Relative Standard Deviation: 20.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	108608.0	NaN	N
2	STD1 460-959555/4	25.0	5.593203	1000.0	108167.0	0.223728	Y
3	STD5 460-959555/5	125.0	35.240307	1000.0	113251.0	0.281922	Y
4	STD20 460-959555/6	500.0	146.609436	1000.0	119051.0	0.293219	Y
5	STD50 460-959555/7	1250.0	483.160995	1000.0	114407.0	0.386529	Y
6	STD200 460-959555/8	5000.0	1845.842489	1000.0	138352.0	0.369168	Y
7	STD500 460-959555/9	12500.0	4716.915016	1000.0	150393.0	0.377353	Y



Calibration

/ Trichloroethene

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

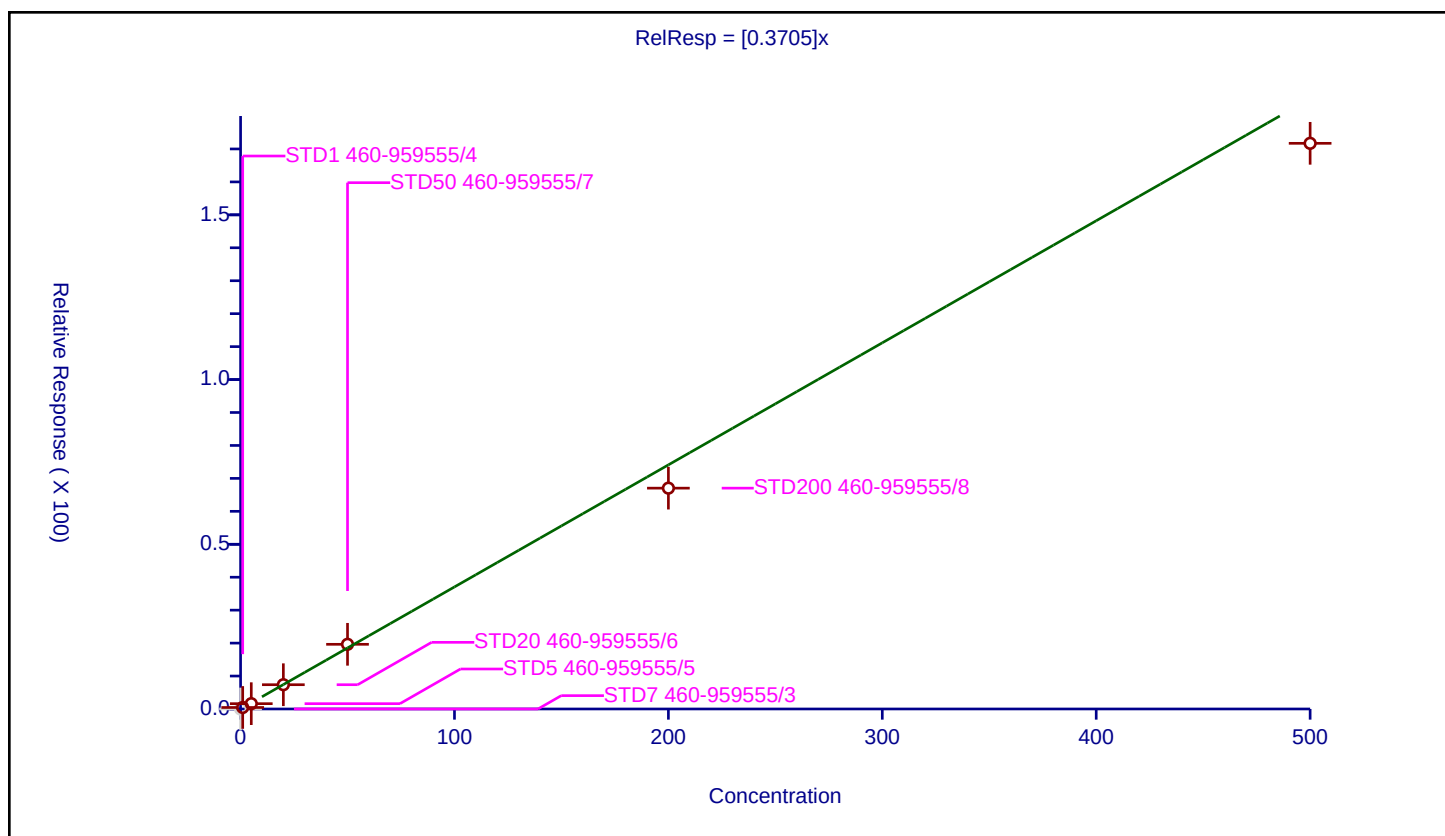
Curve Coefficients

Intercept: 0
Slope: 0.3705

Error Coefficients

Relative Standard Deviation: 13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.461137	50.0	540512.0	0.461137	Y
3	STD5 460-959555/5	5.0	1.611379	50.0	525854.0	0.322276	Y
4	STD20 460-959555/6	20.0	7.366255	50.0	504225.0	0.368313	Y
5	STD50 460-959555/7	50.0	19.637409	50.0	481507.0	0.392748	Y
6	STD200 460-959555/8	200.0	67.036947	50.0	546838.0	0.335185	Y
7	STD500 460-959555/9	500.0	171.70686	50.0	582719.0	0.343414	Y



Calibration

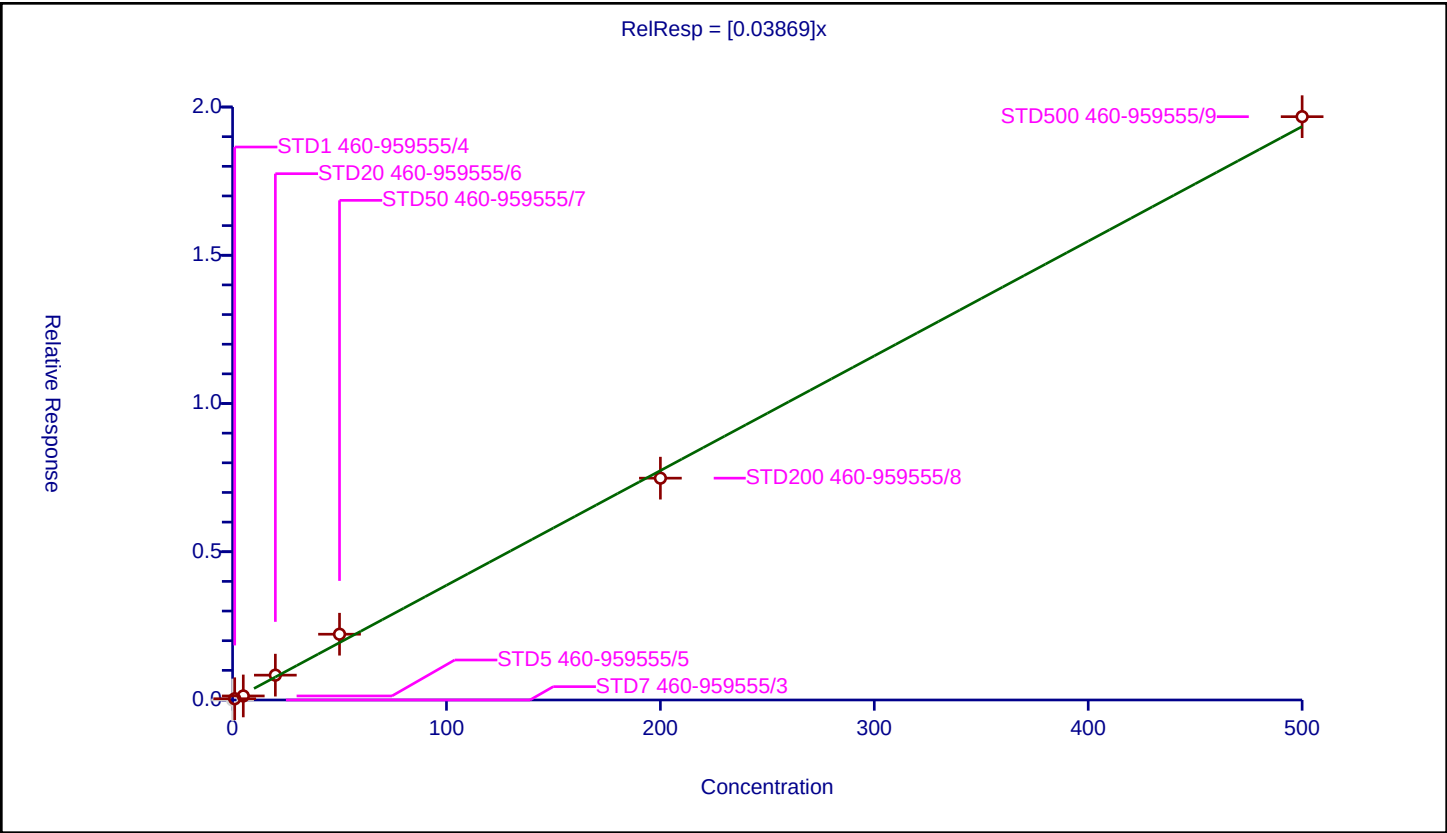
/ Ethyl acrylate

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

Curve Coefficients	
Intercept:	0
Slope:	0.03869

Error Coefficients	
Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.041905	50.0	540512.0	0.041905	Y
3	STD5 460-959555/5	5.0	0.135969	50.0	525854.0	0.027194	Y
4	STD20 460-959555/6	20.0	0.837721	50.0	504225.0	0.041886	Y
5	STD50 460-959555/7	50.0	2.218555	50.0	481507.0	0.044371	Y
6	STD200 460-959555/8	200.0	7.481832	50.0	546838.0	0.037409	Y
7	STD500 460-959555/9	500.0	19.674406	50.0	582719.0	0.039349	Y



Calibration

/ Methylcyclohexane

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

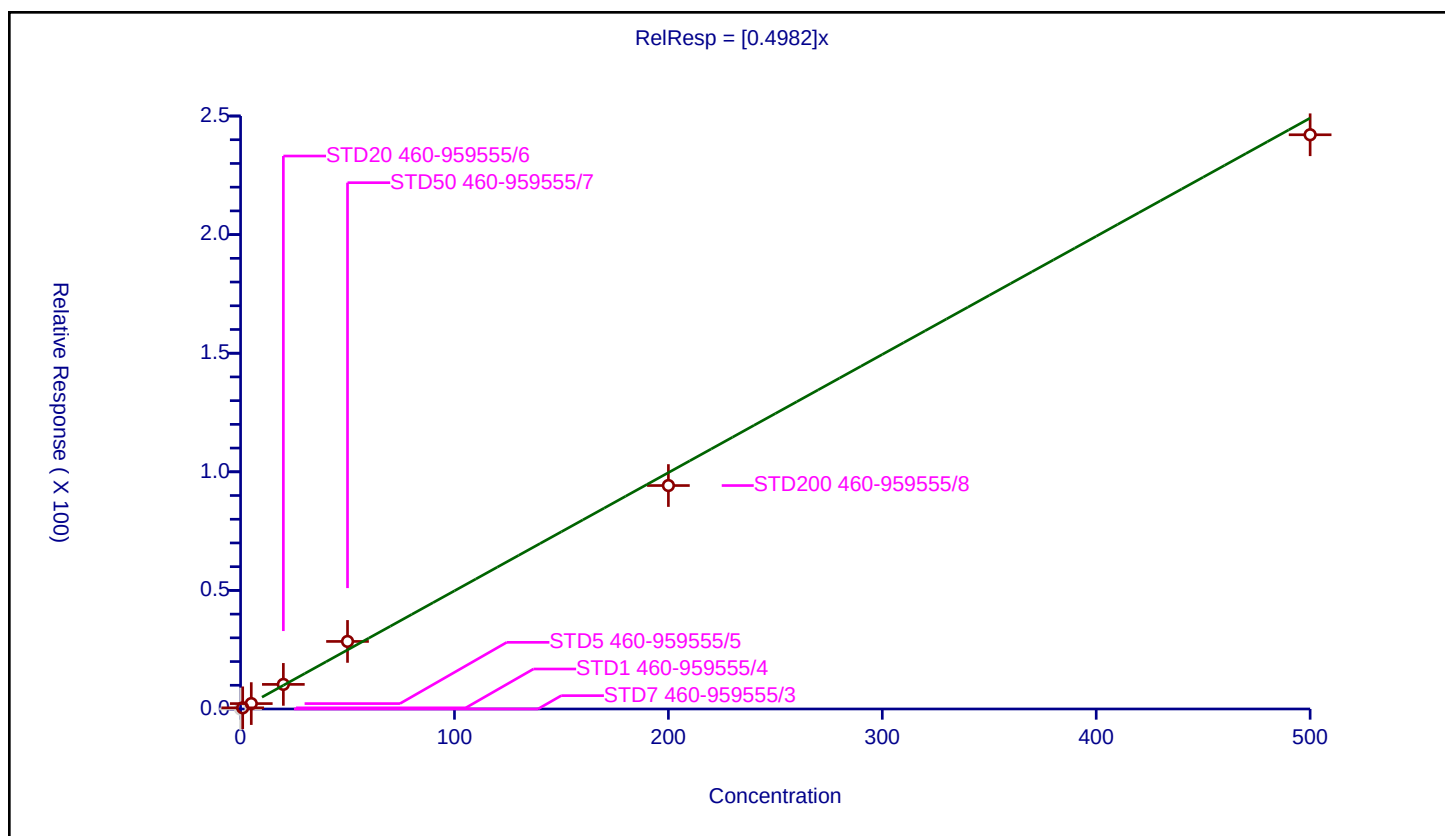
Curve Coefficients

Intercept: 0
Slope: 0.4982

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.489813	50.0	540512.0	0.489813	Y
3	STD5 460-959555/5	5.0	2.280861	50.0	525854.0	0.456172	Y
4	STD20 460-959555/6	20.0	10.370866	50.0	504225.0	0.518543	Y
5	STD50 460-959555/7	50.0	28.485879	50.0	481507.0	0.569718	Y
6	STD200 460-959555/8	200.0	94.207974	50.0	546838.0	0.47104	Y
7	STD500 460-959555/9	500.0	242.099708	50.0	582719.0	0.484199	Y



Calibration

/ 1,2-Dichloropropane

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

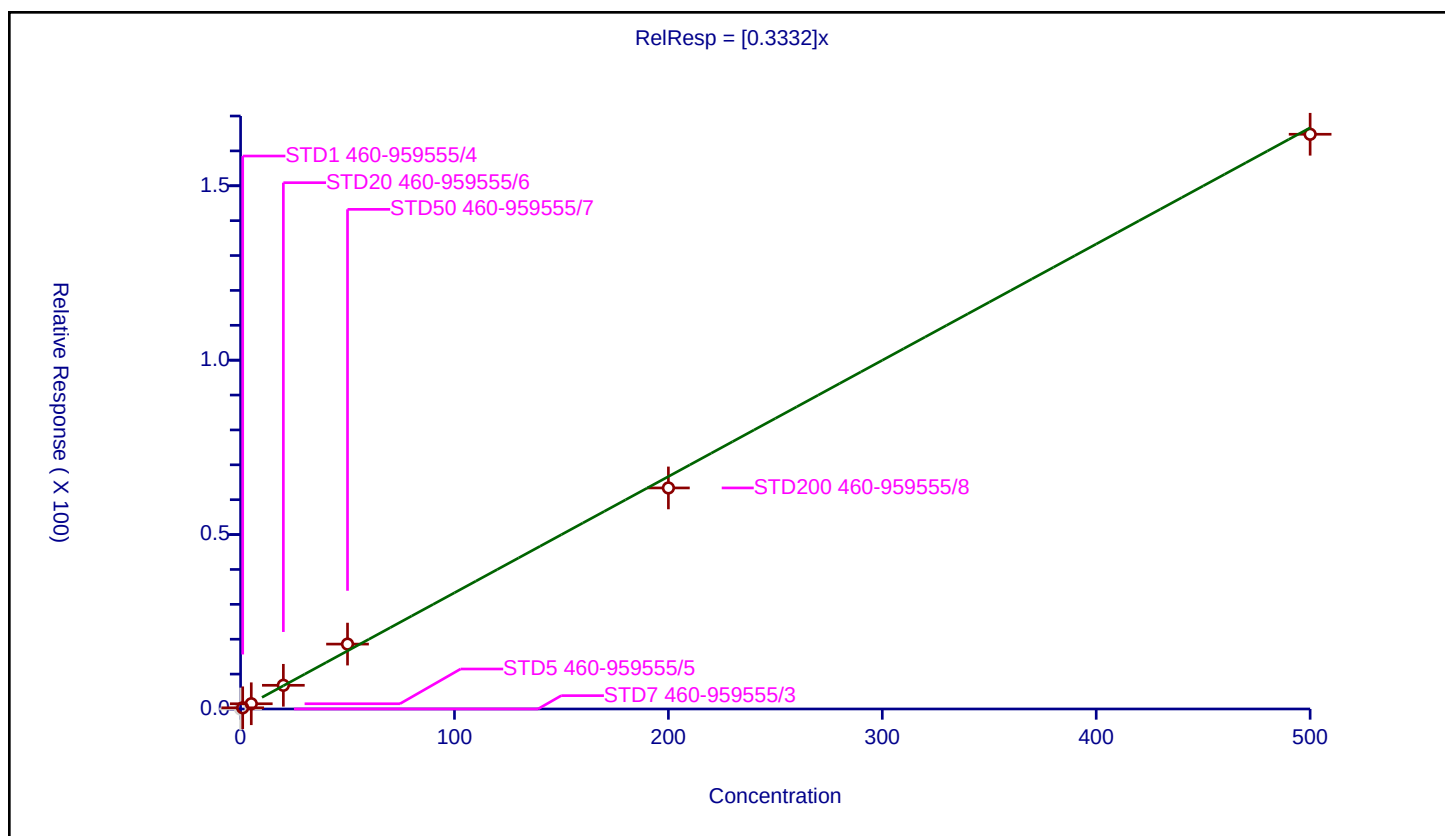
Curve Coefficients

Intercept: 0
Slope: 0.3332

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.340603	50.0	540512.0	0.340603	Y
3	STD5 460-959555/5	5.0	1.503174	50.0	525854.0	0.300635	Y
4	STD20 460-959555/6	20.0	6.792603	50.0	504225.0	0.33963	Y
5	STD50 460-959555/7	50.0	18.606895	50.0	481507.0	0.372138	Y
6	STD200 460-959555/8	200.0	63.372882	50.0	546838.0	0.316864	Y
7	STD500 460-959555/9	500.0	164.770498	50.0	582719.0	0.329541	Y



Calibration

/ Methyl methacrylate

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

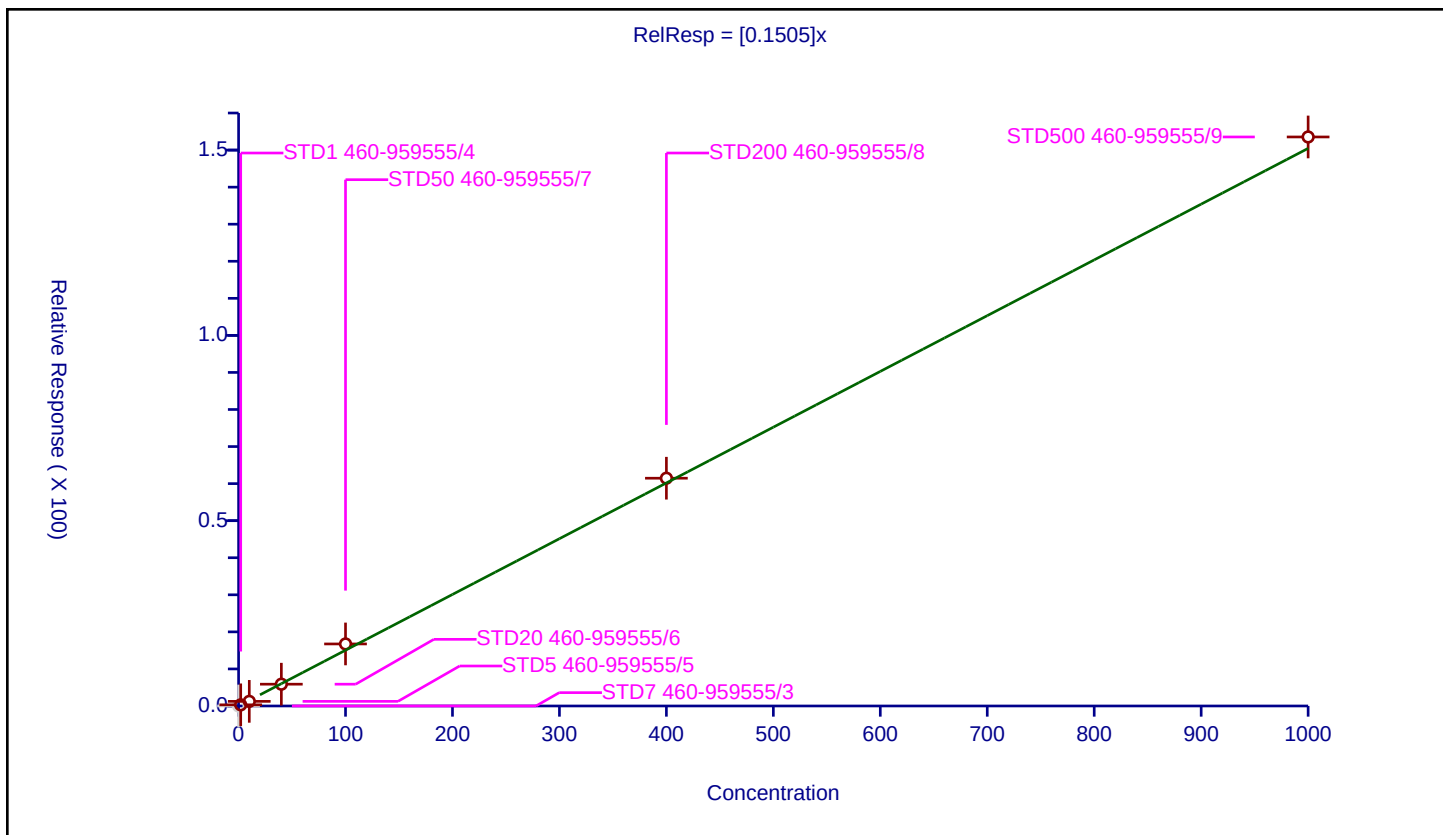
Curve Coefficients

Intercept: 0
 Slope: 0.1505

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	2.0	0.312944	50.0	540512.0	0.156472	Y
3	STD5 460-959555/5	10.0	1.246449	50.0	525854.0	0.124645	Y
4	STD20 460-959555/6	40.0	5.882394	50.0	504225.0	0.14706	Y
5	STD50 460-959555/7	100.0	16.737555	50.0	481507.0	0.167376	Y
6	STD200 460-959555/8	400.0	61.459427	50.0	546838.0	0.153649	Y
7	STD500 460-959555/9	1000.0	153.537897	50.0	582719.0	0.153538	Y



Calibration

/ 1,4-Dioxane

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

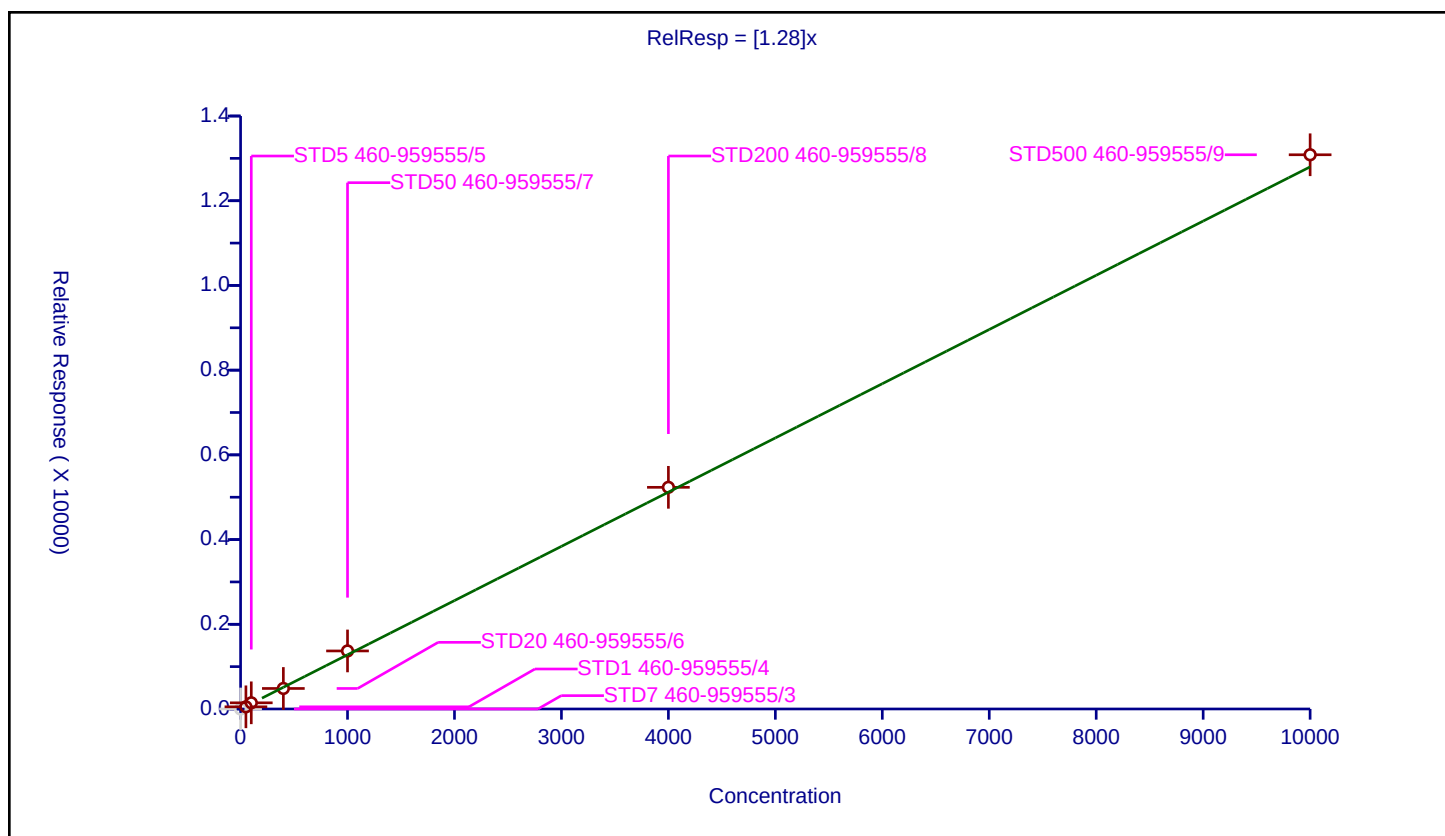
Curve Coefficients

Intercept: 0
Slope: 1.28

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	1000.0	16179.0	NaN	N
2	STD1 460-959555/4	50.000062	51.154283	1000.0	15854.0	1.023084	Y
3	STD5 460-959555/5	100.0	145.884424	1000.0	15903.0	1.458844	Y
4	STD20 460-959555/6	400.0	484.244186	1000.0	17200.0	1.21061	Y
5	STD50 460-959555/7	1000.0	1370.307457	1000.0	17661.0	1.370307	Y
6	STD200 460-959555/8	4000.0	5233.521127	1000.0	17750.0	1.30838	Y
7	STD500 460-959555/9	10000.0	13085.254526	1000.0	19389.0	1.308525	Y



Calibration

/ n-Propyl acetate

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

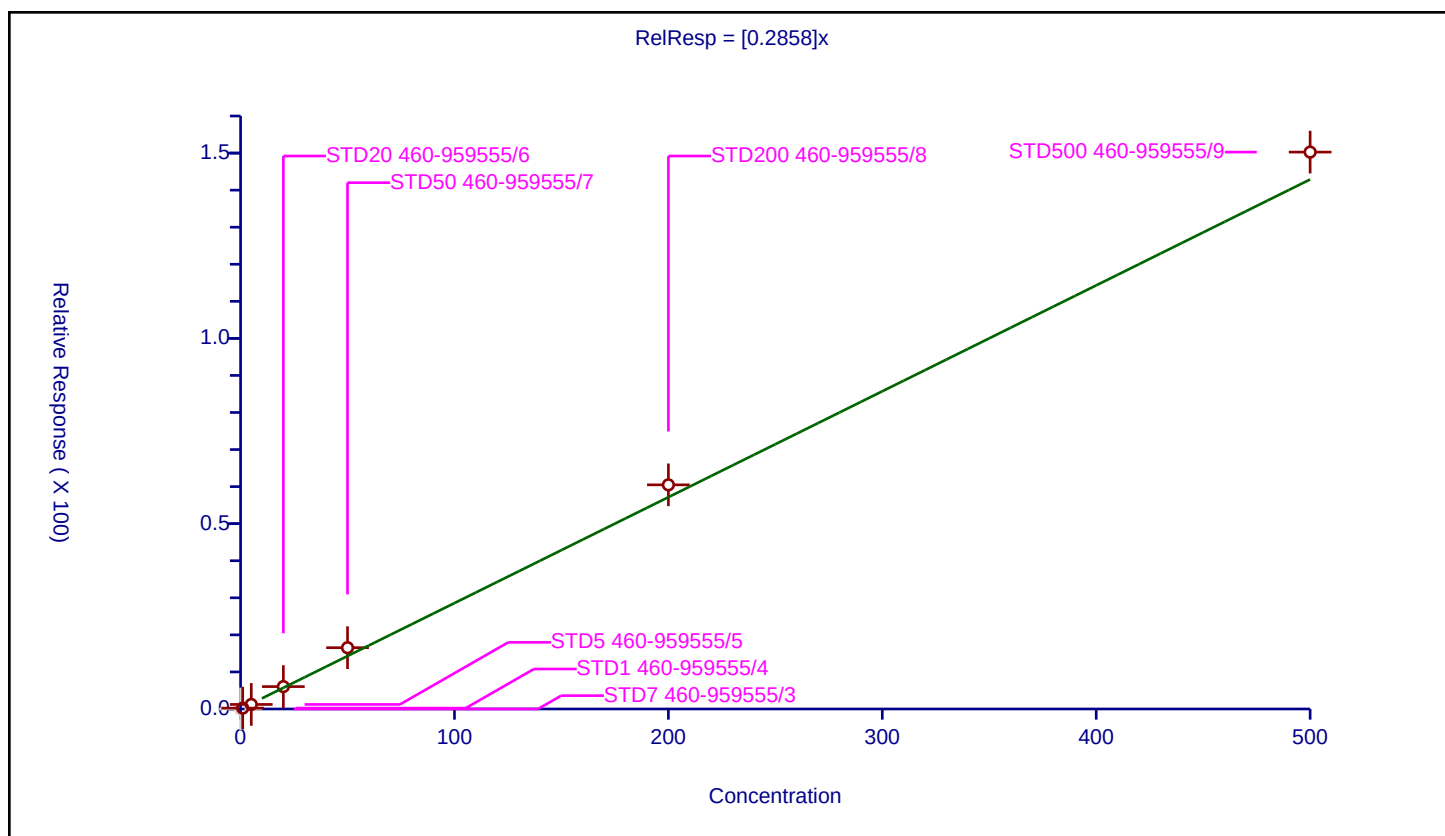
Curve Coefficients

Intercept: 0
Slope: 0.2858

Error Coefficients

Relative Standard Deviation: 13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.23413	50.0	540512.0	0.23413	Y
3	STD5 460-959555/5	5.0	1.223438	50.0	525854.0	0.244688	Y
4	STD20 460-959555/6	20.0	6.041351	50.0	504225.0	0.302068	Y
5	STD50 460-959555/7	50.0	16.53652	50.0	481507.0	0.33073	Y
6	STD200 460-959555/8	200.0	60.480343	50.0	546838.0	0.302402	Y
7	STD500 460-959555/9	500.0	150.267796	50.0	582719.0	0.300536	Y



Calibration

/ Dibromomethane

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

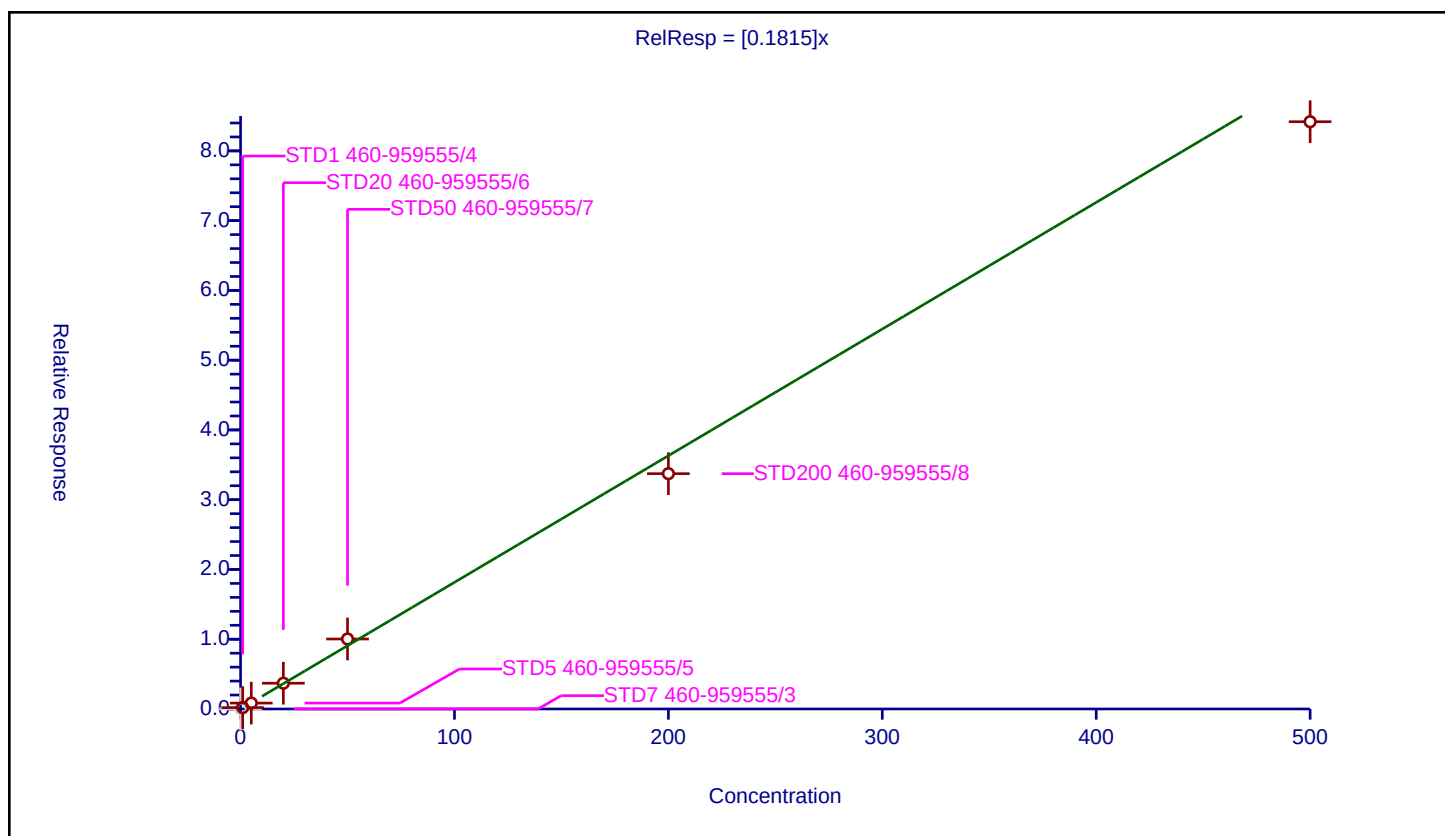
Curve Coefficients

Intercept: 0
Slope: 0.1815

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.197405	50.0	540512.0	0.197405	Y
3	STD5 460-959555/5	5.0	0.846813	50.0	525854.0	0.169363	Y
4	STD20 460-959555/6	20.0	3.69587	50.0	504225.0	0.184793	Y
5	STD50 460-959555/7	50.0	10.033291	50.0	481507.0	0.200666	Y
6	STD200 460-959555/8	200.0	33.733757	50.0	546838.0	0.168669	Y
7	STD500 460-959555/9	500.0	84.181827	50.0	582719.0	0.168364	Y



Calibration

/ Dichlorobromomethane

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

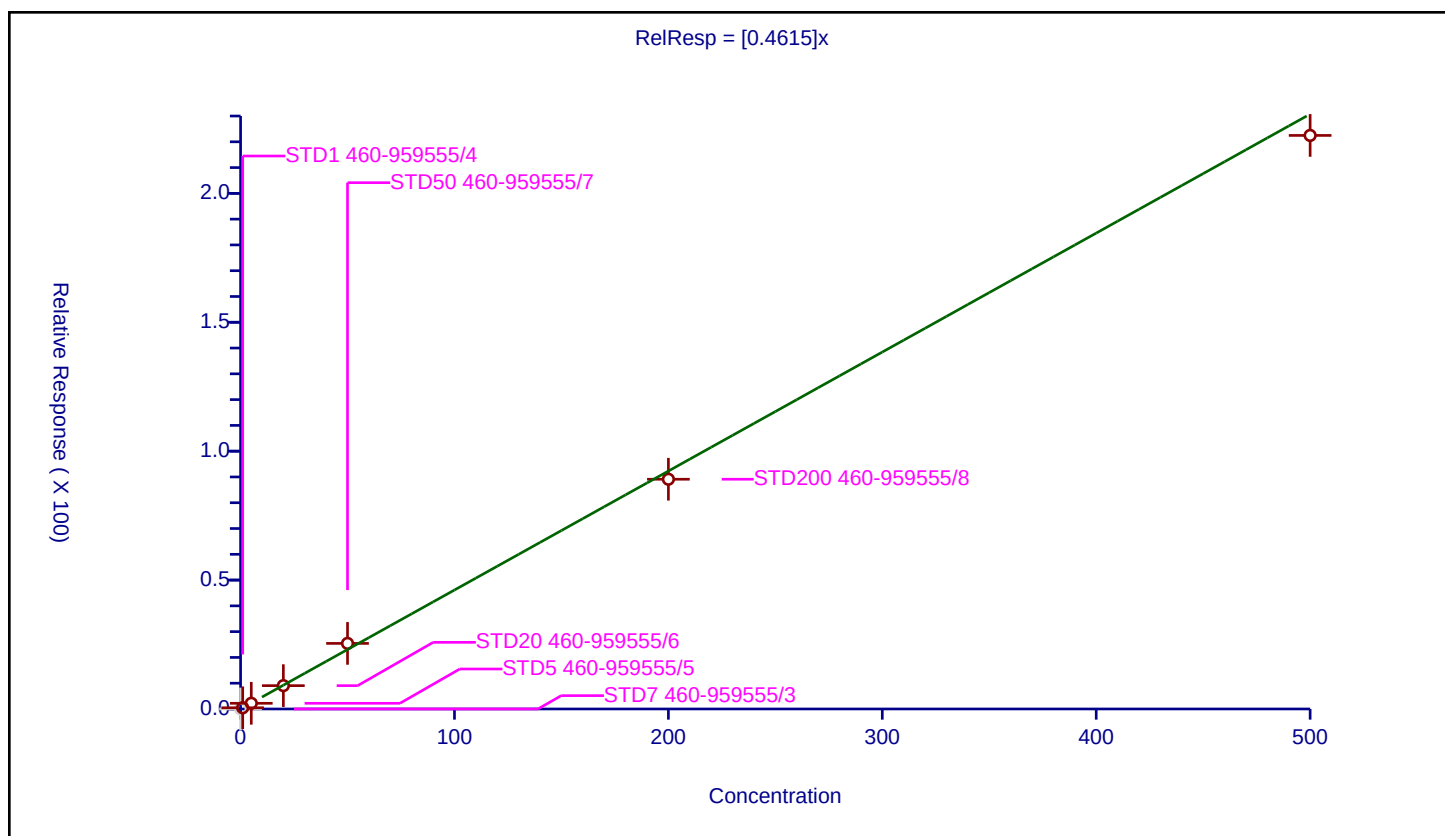
Curve Coefficients

Intercept: 0
Slope: 0.4615

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0	0.474643	50.0	540512.0	0.474643	Y
3	STD5 460-959555/5	5.0	2.210119	50.0	525854.0	0.442024	Y
4	STD20 460-959555/6	20.0	9.056473	50.0	504225.0	0.452824	Y
5	STD50 460-959555/7	50.0	25.440752	50.0	481507.0	0.508815	Y
6	STD200 460-959555/8	200.0	89.112955	50.0	546838.0	0.445565	Y
7	STD500 460-959555/9	500.0	222.469321	50.0	582719.0	0.444939	Y



Calibration

/ 2-Chloroethyl vinyl ether

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

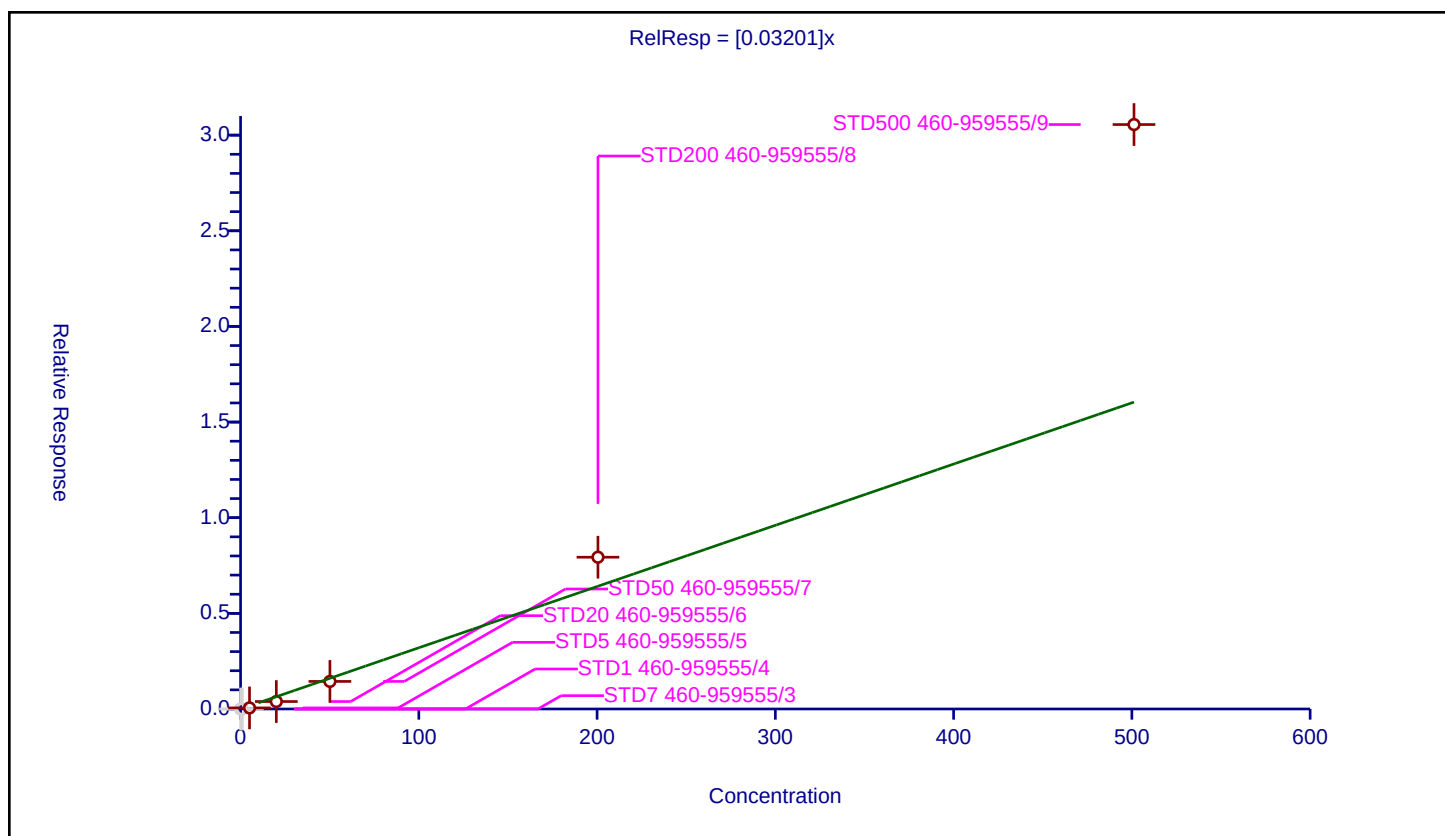
Curve Coefficients

Intercept: 0
 Slope: 0.03201

Error Coefficients

Relative Standard Deviation: 60.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	537249.0	NaN	N
2	STD1 460-959555/4	1.0024	0.0	50.0	540512.0	0.0	N
3	STD5 460-959555/5	5.012	0.05686	50.0	525854.0	0.011345	Y
4	STD20 460-959555/6	20.048	0.389409	50.0	504225.0	0.019424	Y
5	STD50 460-959555/7	50.12	1.440166	50.0	481507.0	0.028734	Y
6	STD200 460-959555/8	200.48	7.934891	50.0	546838.0	0.039579	Y
7	STD500 460-959555/9	501.2	30.553406	50.0	582719.0	0.060961	Y



Calibration

/ Epichlorohydrin

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

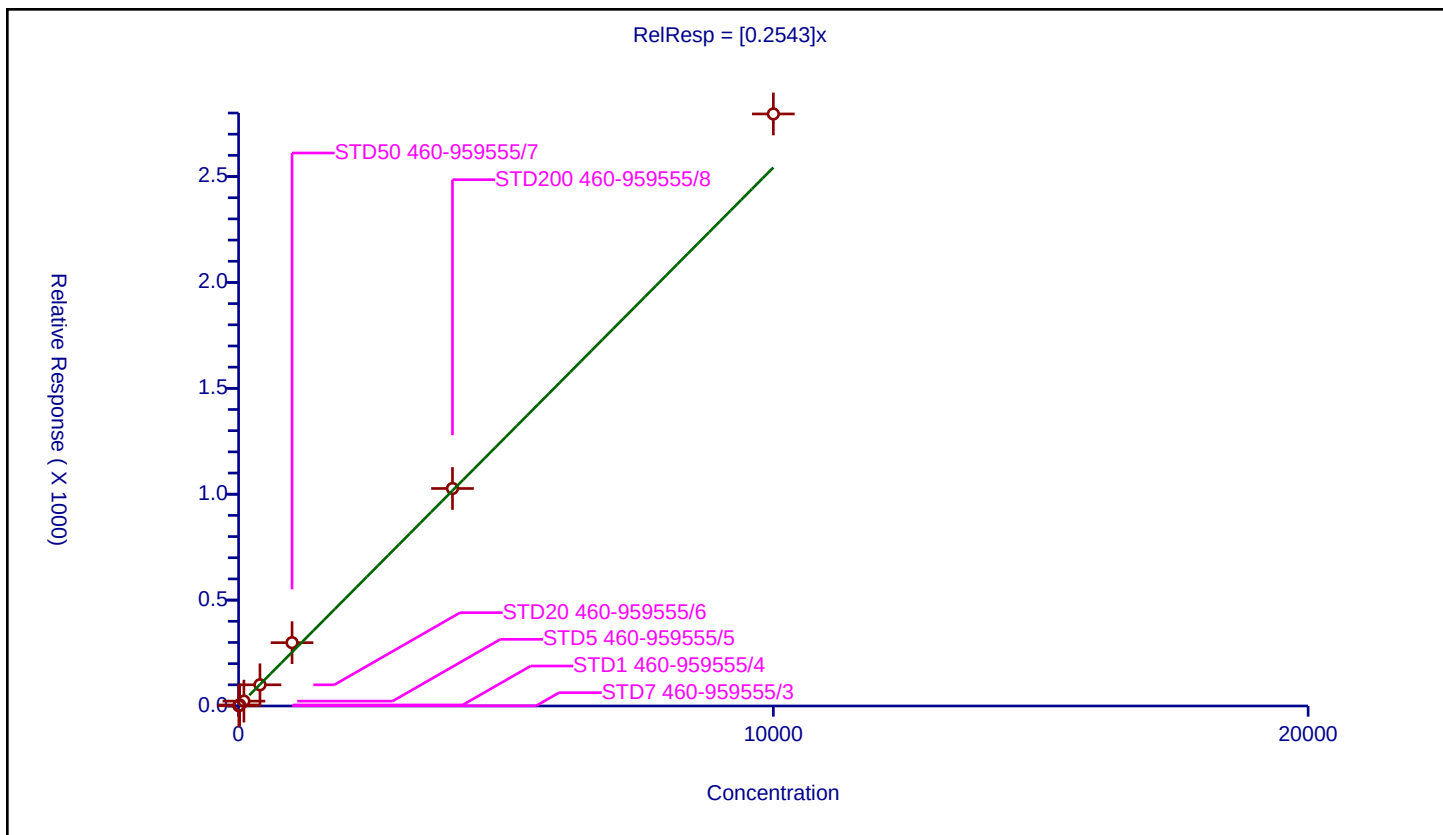
Curve Coefficients

Intercept: 0
Slope: 0.2543

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	5.000009	1.1051	250.0	157678.0	0.22102	Y
2	STD1 460-959555/4	20.000035	4.878222	250.0	161483.0	0.243911	Y
3	STD5 460-959555/5	100.000173	22.946777	250.0	160589.0	0.229467	Y
4	STD20 460-959555/6	400.000692	100.072155	250.0	164229.0	0.25018	Y
5	STD50 460-959555/7	1000.00173	298.957179	250.0	148875.0	0.298957	Y
6	STD200 460-959555/8	4000.00692	1027.081667	250.0	187590.0	0.25677	Y
7	STD500 460-959555/9	10000.0173	2795.609527	250.0	188146.0	0.27956	Y



Calibration

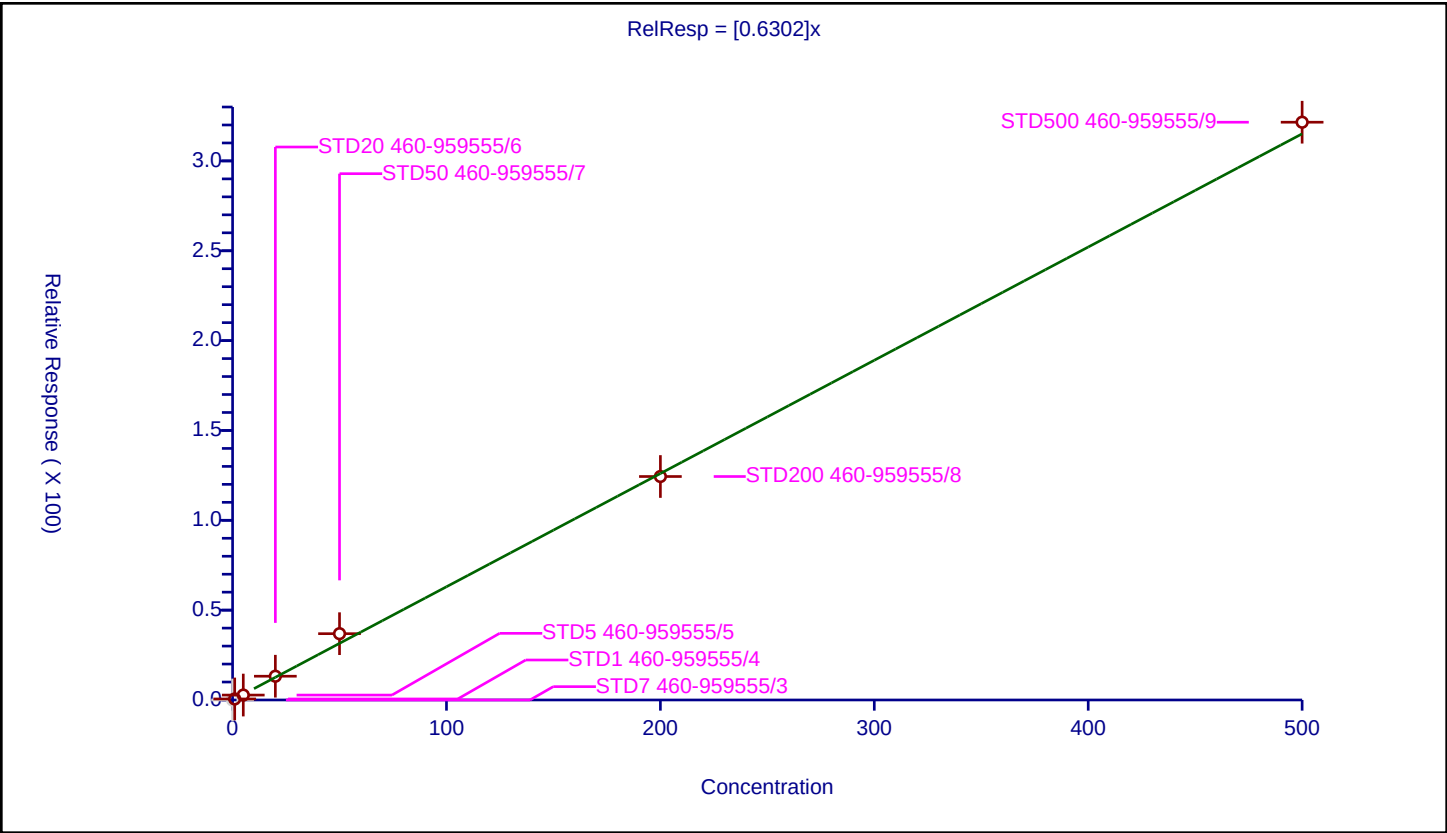
/ cis-1,3-Dichloropropene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6302
Error Coefficients	

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.567759	50.0	436717.0	0.567759	Y
3	STD5 460-959555/5	5.0	2.74534	50.0	422953.0	0.549068	Y
4	STD20 460-959555/6	20.0	13.226436	50.0	415195.0	0.661322	Y
5	STD50 460-959555/7	50.0	36.901092	50.0	401564.0	0.738022	Y
6	STD200 460-959555/8	200.0	124.363789	50.0	471856.0	0.621819	Y
7	STD500 460-959555/9	500.0	321.535222	50.0	502442.0	0.64307	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

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

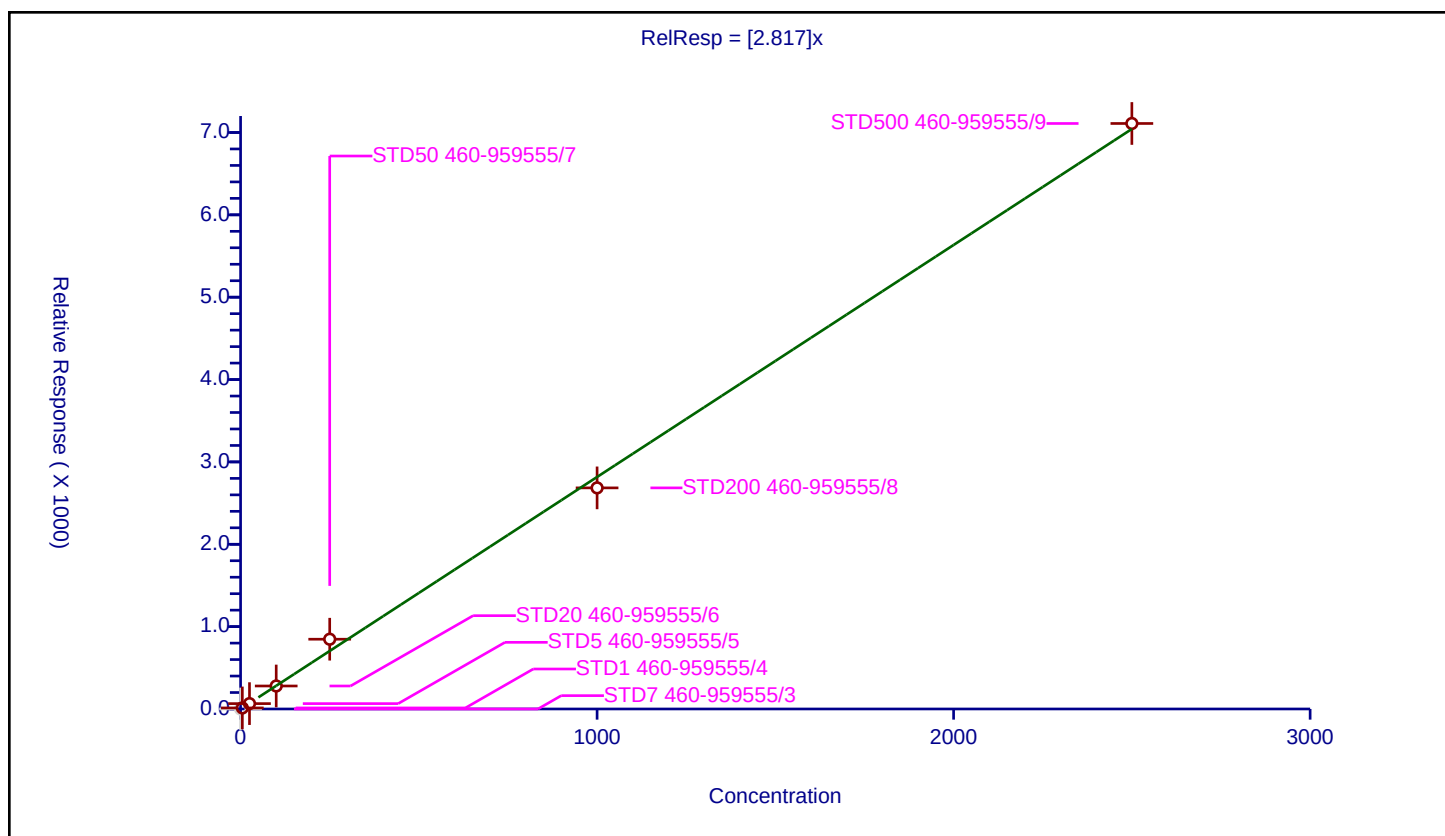
Curve Coefficients

Intercept: 0
Slope: 2.817

Error Coefficients

Relative Standard Deviation: 10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	5.0	12.87442	250.0	161483.0	2.574884	Y
3	STD5 460-959555/5	25.0	65.395201	250.0	160589.0	2.615808	Y
4	STD20 460-959555/6	100.0	279.391886	250.0	164229.0	2.793919	Y
5	STD50 460-959555/7	250.0	847.291352	250.0	148875.0	3.389165	Y
6	STD200 460-959555/8	1000.0	2684.70734	250.0	187590.0	2.684707	Y
7	STD500 460-959555/9	2500.0	7109.240962	250.0	188146.0	2.843696	Y



Calibration

/ Toluene-d8 (Surr)

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

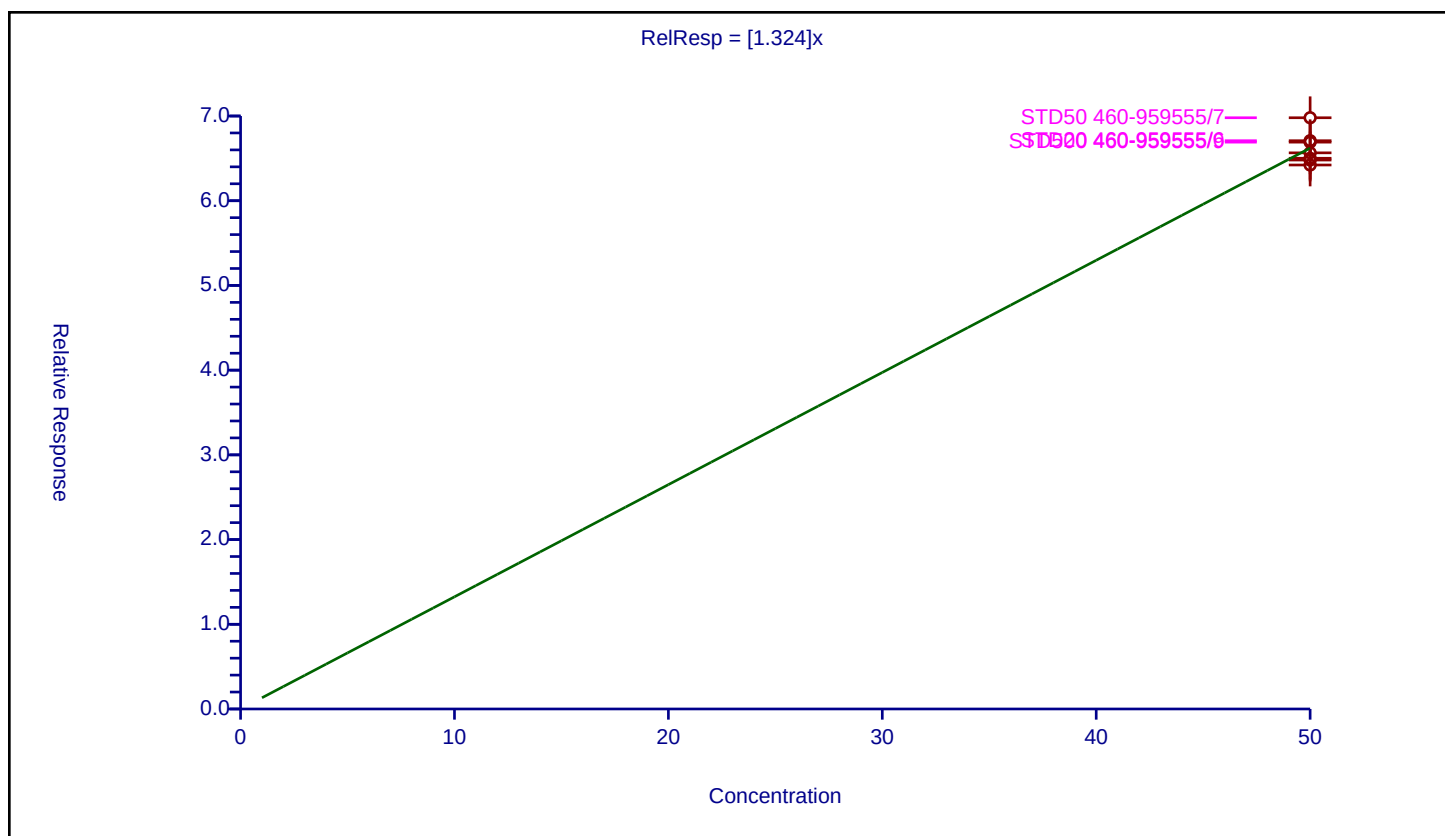
Curve Coefficients

Intercept: 0
 Slope: 1.324

Error Coefficients

Relative Standard Deviation: 2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	50.0	65.013917	50.0	445490.0	1.300278	Y
2	STD1 460-959555/4	50.0	64.803523	50.0	436717.0	1.29607	Y
3	STD5 460-959555/5	50.0	65.653512	50.0	422953.0	1.31307	Y
4	STD20 460-959555/6	50.0	67.085586	50.0	415195.0	1.341712	Y
5	STD50 460-959555/7	50.0	69.79423	50.0	401564.0	1.395885	Y
6	STD200 460-959555/8	50.0	64.217685	50.0	471856.0	1.284354	Y
7	STD500 460-959555/9	50.0	66.913494	50.0	502442.0	1.33827	Y



Calibration

/ Toluene

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

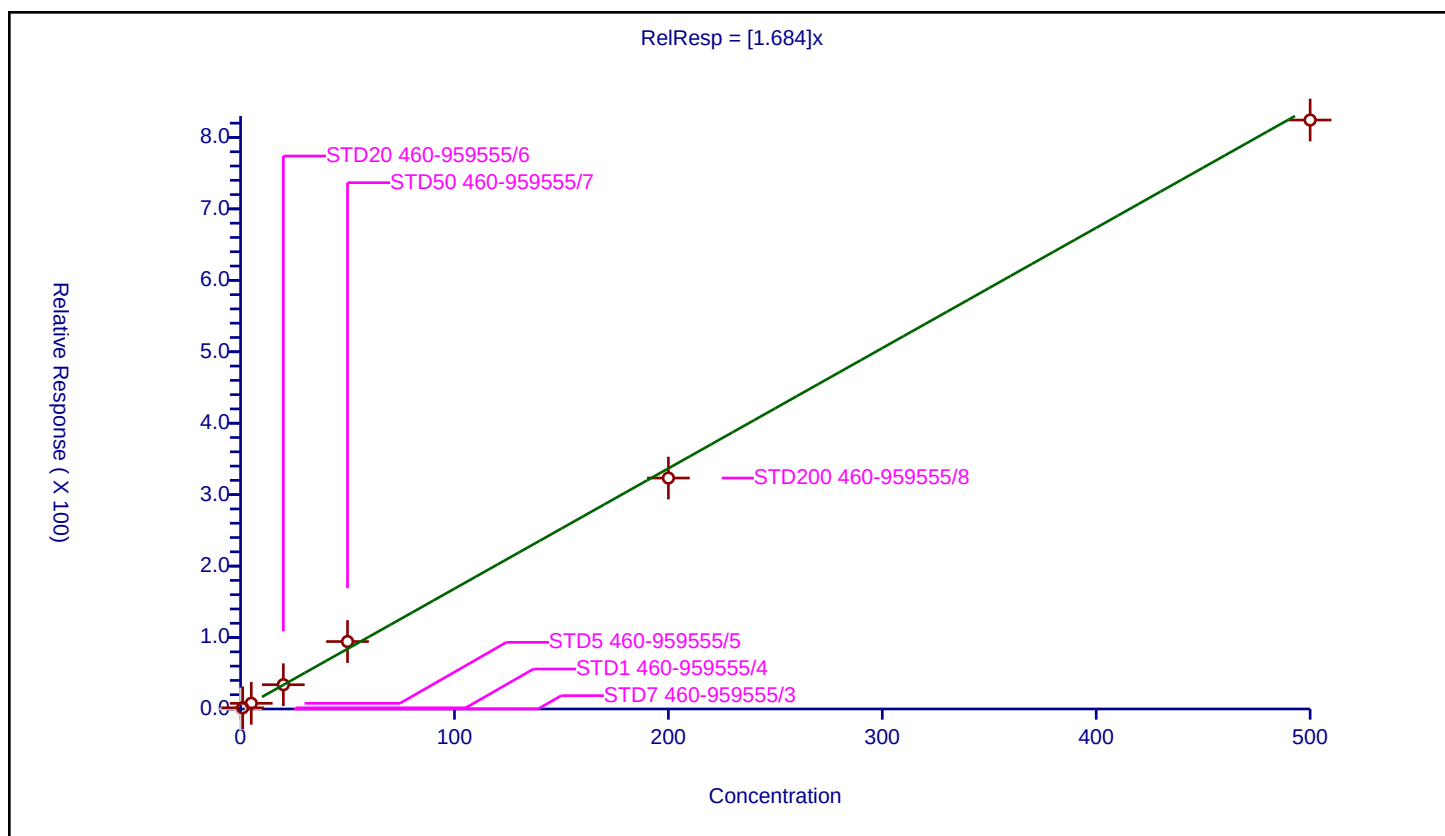
Curve Coefficients

Intercept: 0
Slope: 1.684

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	1.664694	50.0	436717.0	1.664694	Y
3	STD5 460-959555/5	5.0	7.928422	50.0	422953.0	1.585684	Y
4	STD20 460-959555/6	20.0	33.991859	50.0	415195.0	1.699593	Y
5	STD50 460-959555/7	50.0	94.401142	50.0	401564.0	1.888023	Y
6	STD200 460-959555/8	200.0	323.270235	50.0	471856.0	1.616351	Y
7	STD500 460-959555/9	500.0	824.350373	50.0	502442.0	1.648701	Y



Calibration

/ trans-1,3-Dichloropropene

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

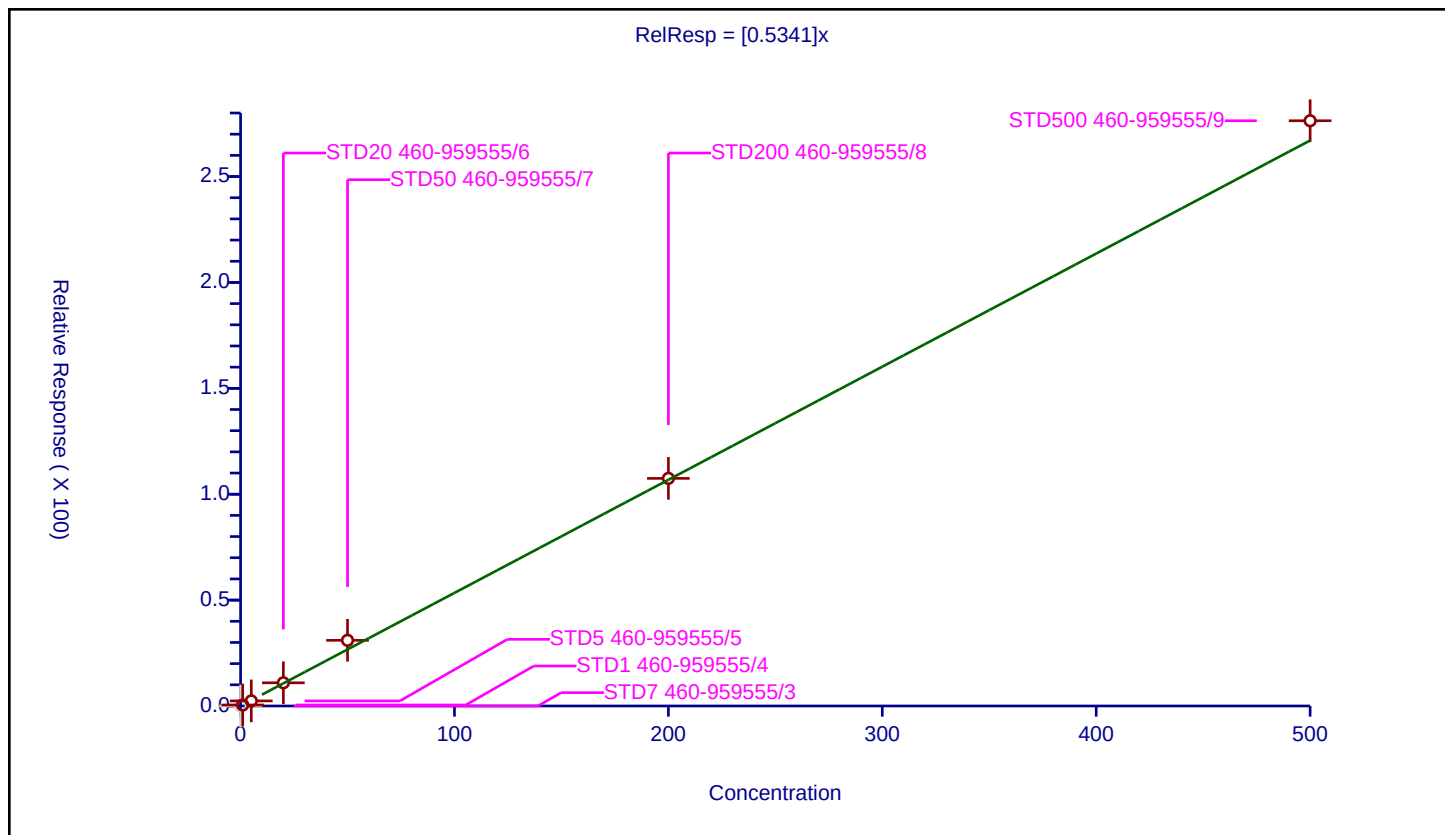
Curve Coefficients

Intercept: 0
Slope: 0.5341

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.467007	50.0	436717.0	0.467007	Y
3	STD5 460-959555/5	5.0	2.400385	50.0	422953.0	0.480077	Y
4	STD20 460-959555/6	20.0	10.943292	50.0	415195.0	0.547165	Y
5	STD50 460-959555/7	50.0	31.002157	50.0	401564.0	0.620043	Y
6	STD200 460-959555/8	200.0	107.47389	50.0	471856.0	0.537369	Y
7	STD500 460-959555/9	500.0	276.350604	50.0	502442.0	0.552701	Y



Calibration

/ 1,1,2-Trichloroethane

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

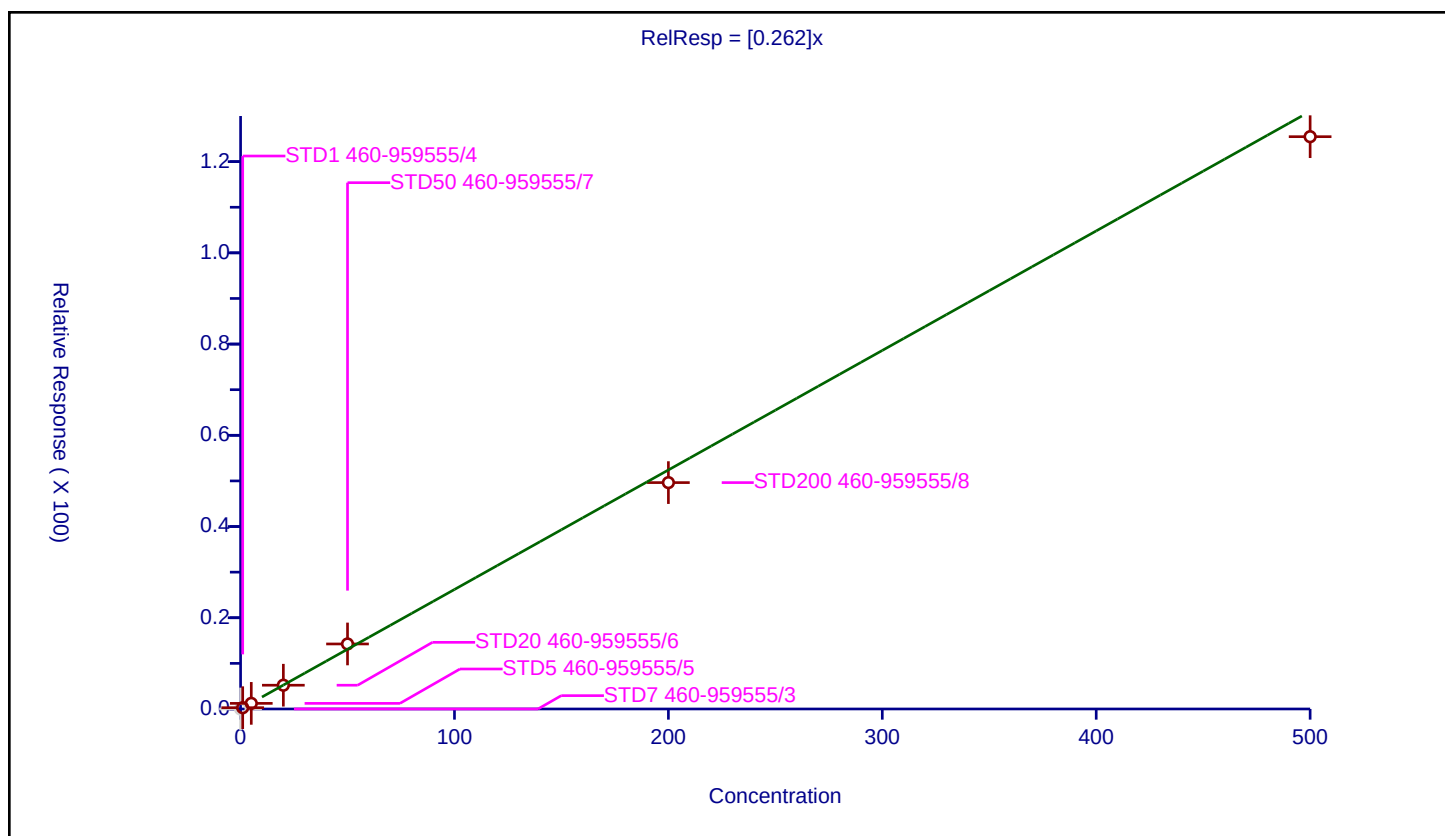
Curve Coefficients

Intercept: 0
Slope: 0.262

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.281761	50.0	436717.0	0.281761	Y
3	STD5 460-959555/5	5.0	1.227796	50.0	422953.0	0.245559	Y
4	STD20 460-959555/6	20.0	5.212731	50.0	415195.0	0.260637	Y
5	STD50 460-959555/7	50.0	14.254141	50.0	401564.0	0.285083	Y
6	STD200 460-959555/8	200.0	49.630078	50.0	471856.0	0.24815	Y
7	STD500 460-959555/9	500.0	125.471995	50.0	502442.0	0.250944	Y



Calibration

/ Tetrachloroethene

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

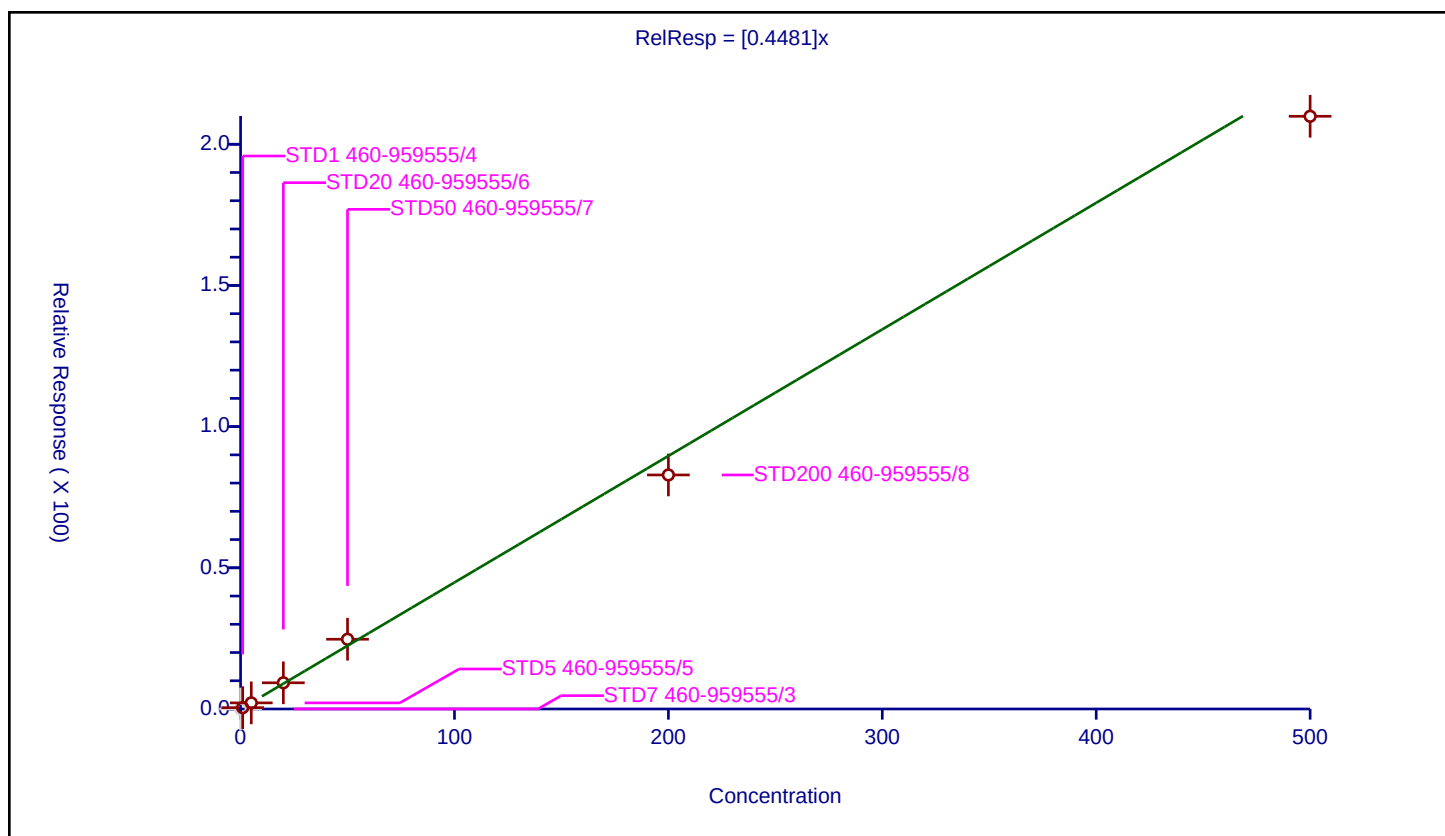
Curve Coefficients

Intercept: 0
 Slope: 0.4481

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.463687	50.0	436717.0	0.463687	Y
3	STD5 460-959555/5	5.0	2.163125	50.0	422953.0	0.432625	Y
4	STD20 460-959555/6	20.0	9.282024	50.0	415195.0	0.464101	Y
5	STD50 460-959555/7	50.0	24.702538	50.0	401564.0	0.494051	Y
6	STD200 460-959555/8	200.0	82.887788	50.0	471856.0	0.414439	Y
7	STD500 460-959555/9	500.0	209.902536	50.0	502442.0	0.419805	Y



Calibration

/ 1,3-Dichloropropane

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

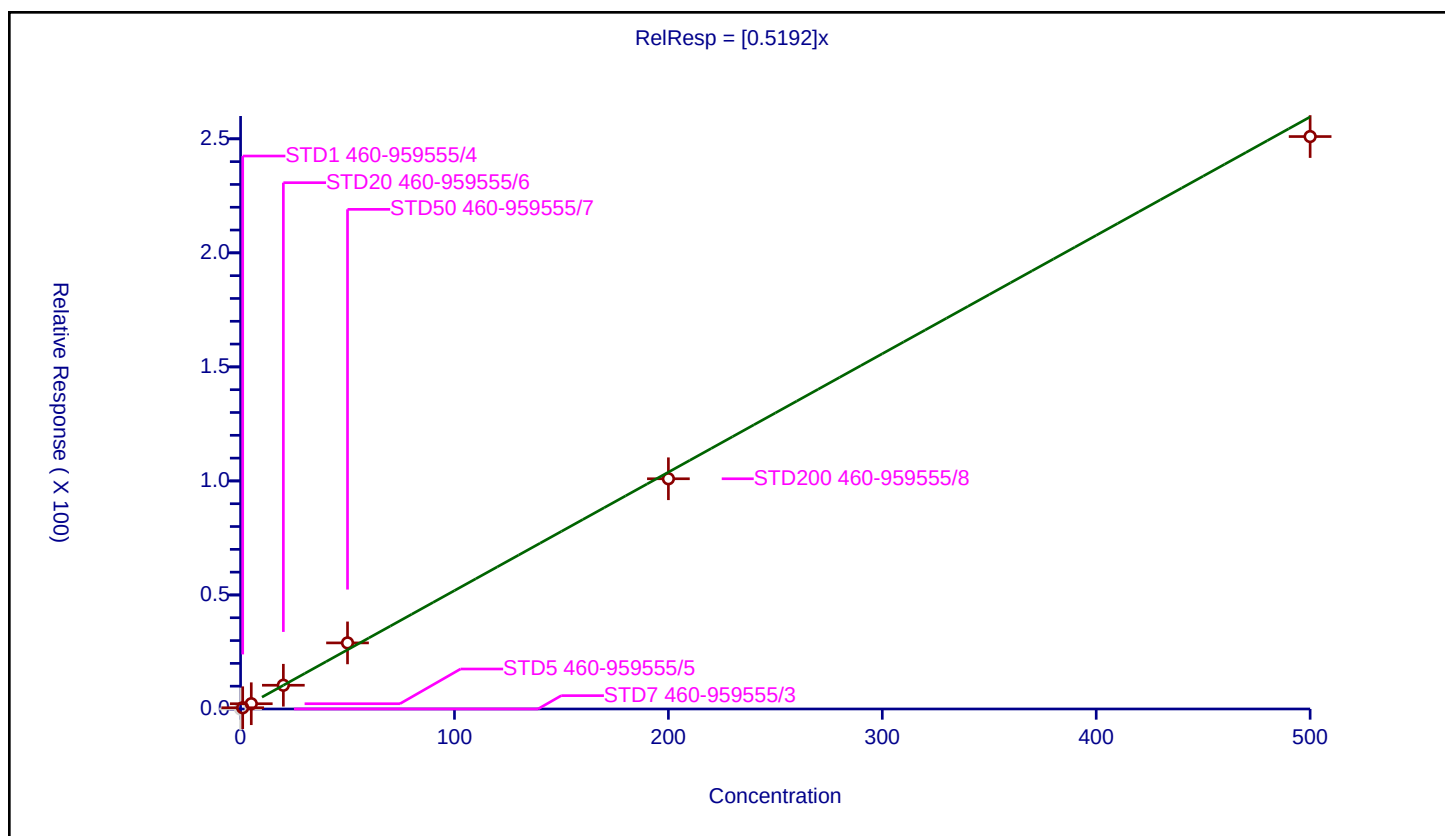
Curve Coefficients

Intercept: 0
Slope: 0.5192

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.545204	50.0	436717.0	0.545204	Y
3	STD5 460-959555/5	5.0	2.314914	50.0	422953.0	0.462983	Y
4	STD20 460-959555/6	20.0	10.414624	50.0	415195.0	0.520731	Y
5	STD50 460-959555/7	50.0	28.977573	50.0	401564.0	0.579551	Y
6	STD200 460-959555/8	200.0	100.941919	50.0	471856.0	0.50471	Y
7	STD500 460-959555/9	500.0	250.996533	50.0	502442.0	0.501993	Y



Calibration

/ 2-Hexanone

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

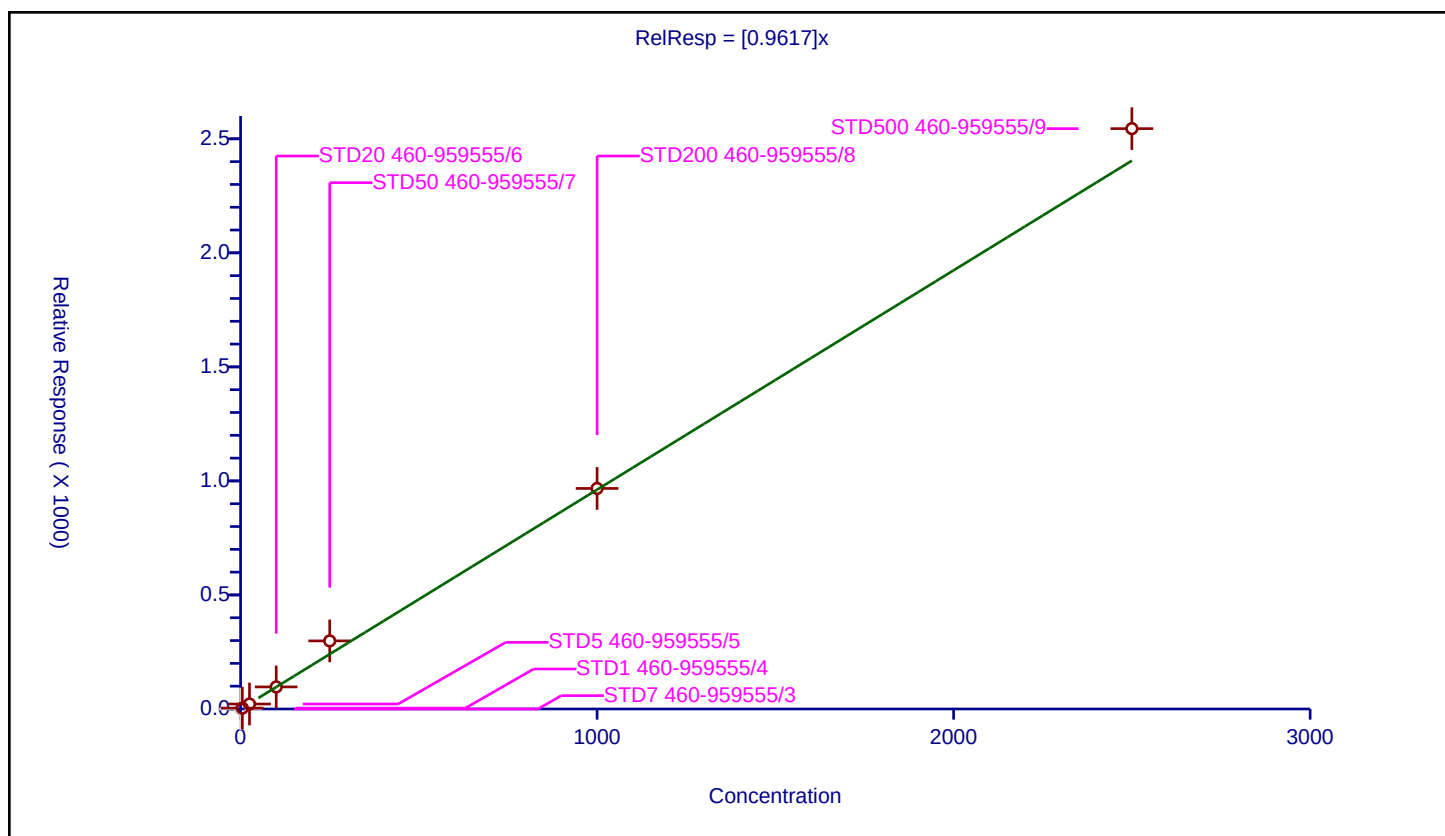
Curve Coefficients

Intercept: 0
Slope: 0.9617

Error Coefficients

Relative Standard Deviation: 15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	250.0	157678.0	NaN	N
2	STD1 460-959555/4	5.0	3.765102	250.0	161483.0	0.75302	Y
3	STD5 460-959555/5	25.0	21.768303	250.0	160589.0	0.870732	Y
4	STD20 460-959555/6	100.0	96.717084	250.0	164229.0	0.967171	Y
5	STD50 460-959555/7	250.0	298.544081	250.0	148875.0	1.194176	Y
6	STD200 460-959555/8	1000.0	967.003838	250.0	187590.0	0.967004	Y
7	STD500 460-959555/9	2500.0	2544.708631	250.0	188146.0	1.017883	Y



Calibration

/ n-Butyl acetate

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

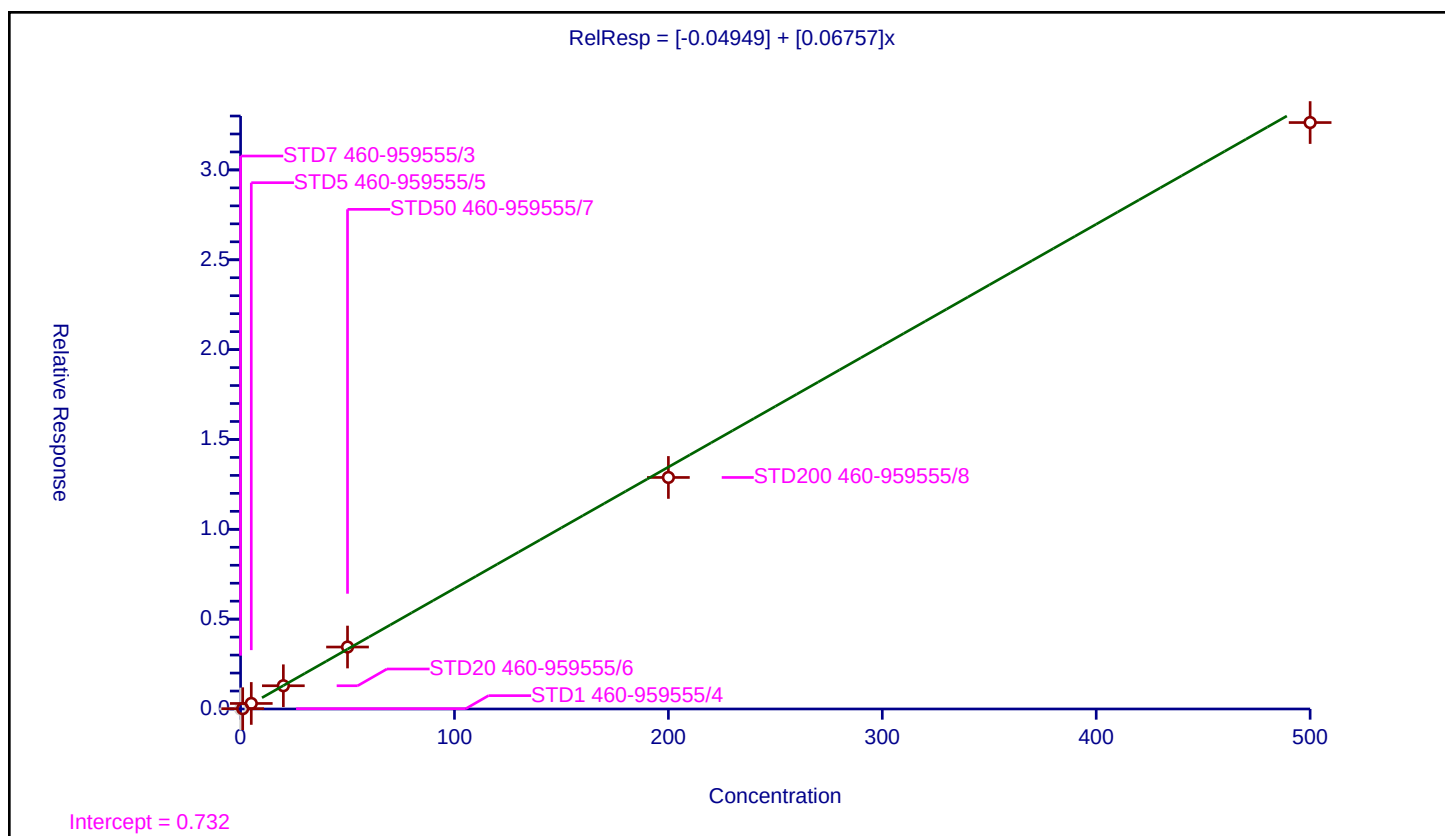
Curve Coefficients

Intercept: -0.04949
Slope: 0.06757

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.017288	50.0	436717.0	0.017288	Y
3	STD5 460-959555/5	5.0	0.308072	50.0	422953.0	0.061614	Y
4	STD20 460-959555/6	20.0	1.292886	50.0	415195.0	0.064644	Y
5	STD50 460-959555/7	50.0	3.448641	50.0	401564.0	0.068973	Y
6	STD200 460-959555/8	200.0	12.885287	50.0	471856.0	0.064426	Y
7	STD500 460-959555/9	500.0	32.637001	50.0	502442.0	0.065274	Y



Calibration

/ Chlorodibromomethane

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

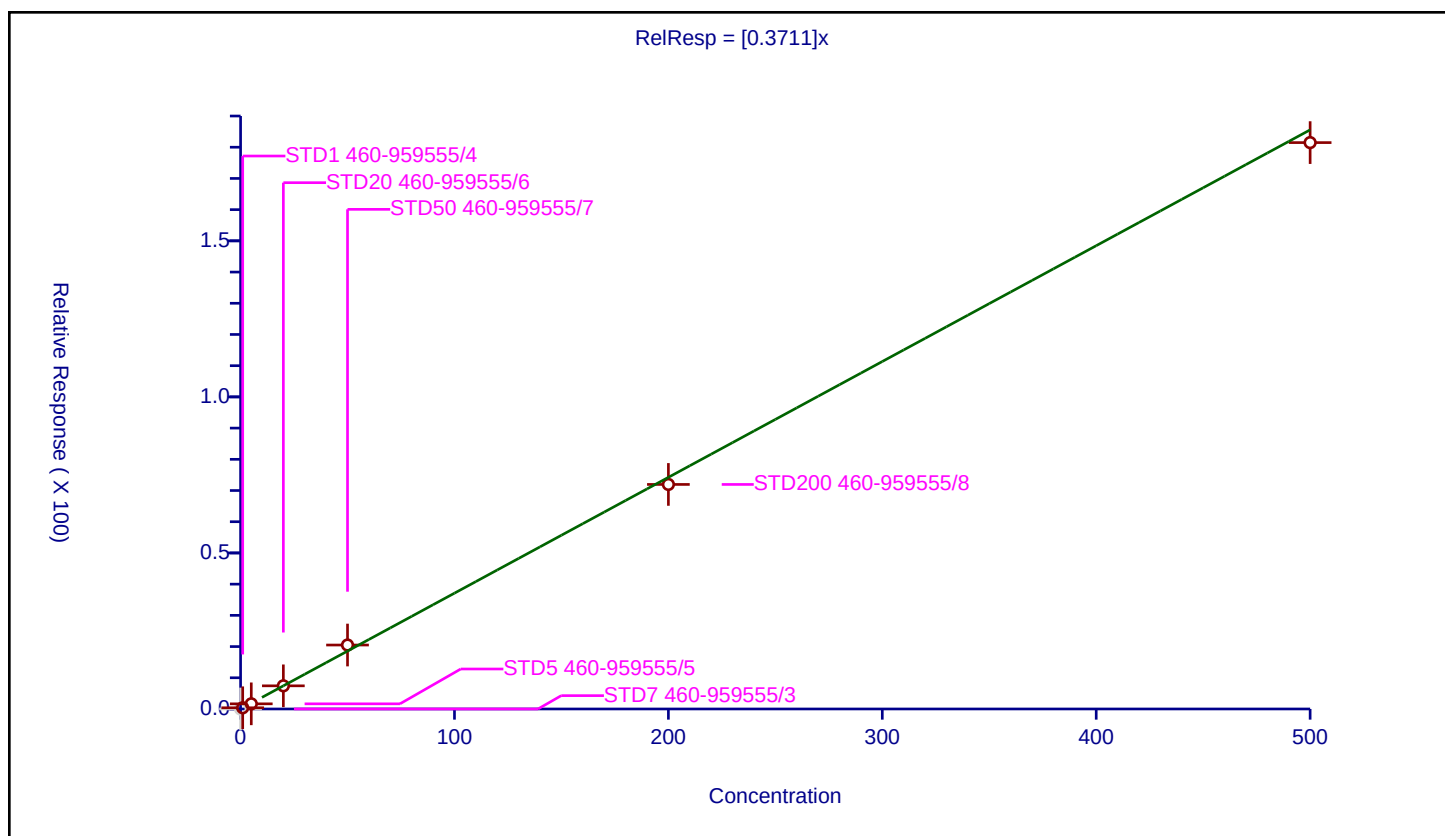
Curve Coefficients

Intercept: 0
Slope: 0.3711

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.392703	50.0	436717.0	0.392703	Y
3	STD5 460-959555/5	5.0	1.65172	50.0	422953.0	0.330344	Y
4	STD20 460-959555/6	20.0	7.423861	50.0	415195.0	0.371193	Y
5	STD50 460-959555/7	50.0	20.490383	50.0	401564.0	0.409808	Y
6	STD200 460-959555/8	200.0	71.946526	50.0	471856.0	0.359733	Y
7	STD500 460-959555/9	500.0	181.483932	50.0	502442.0	0.362968	Y



Calibration

/ Ethylene Dibromide

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

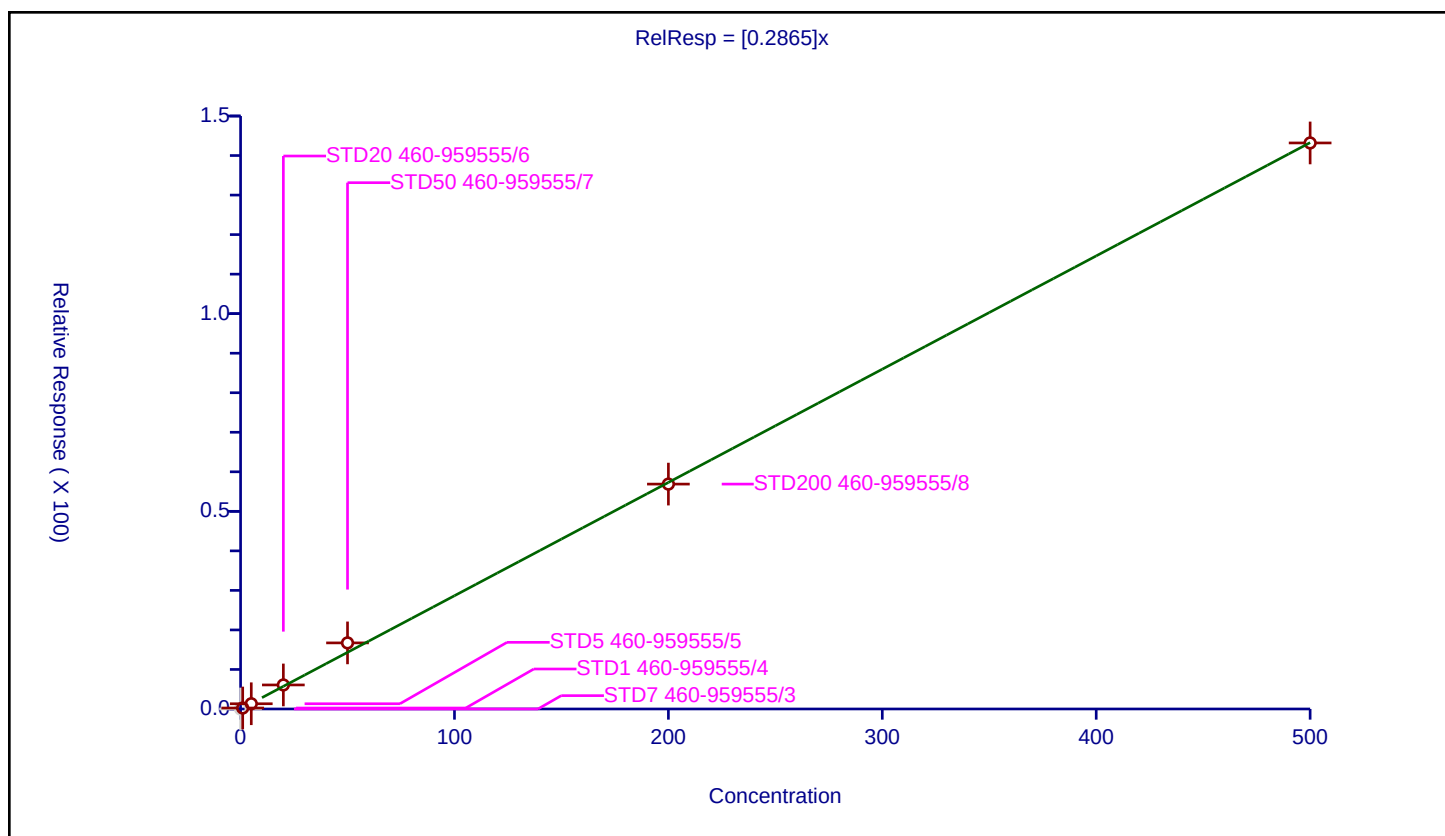
Curve Coefficients

Intercept: 0
Slope: 0.2865

Error Coefficients

Relative Standard Deviation: 10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.244552	50.0	436717.0	0.244552	Y
3	STD5 460-959555/5	5.0	1.327689	50.0	422953.0	0.265538	Y
4	STD20 460-959555/6	20.0	6.079192	50.0	415195.0	0.30396	Y
5	STD50 460-959555/7	50.0	16.715766	50.0	401564.0	0.334315	Y
6	STD200 460-959555/8	200.0	56.888648	50.0	471856.0	0.284443	Y
7	STD500 460-959555/9	500.0	143.189164	50.0	502442.0	0.286378	Y



Calibration

/ Chlorobenzene

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

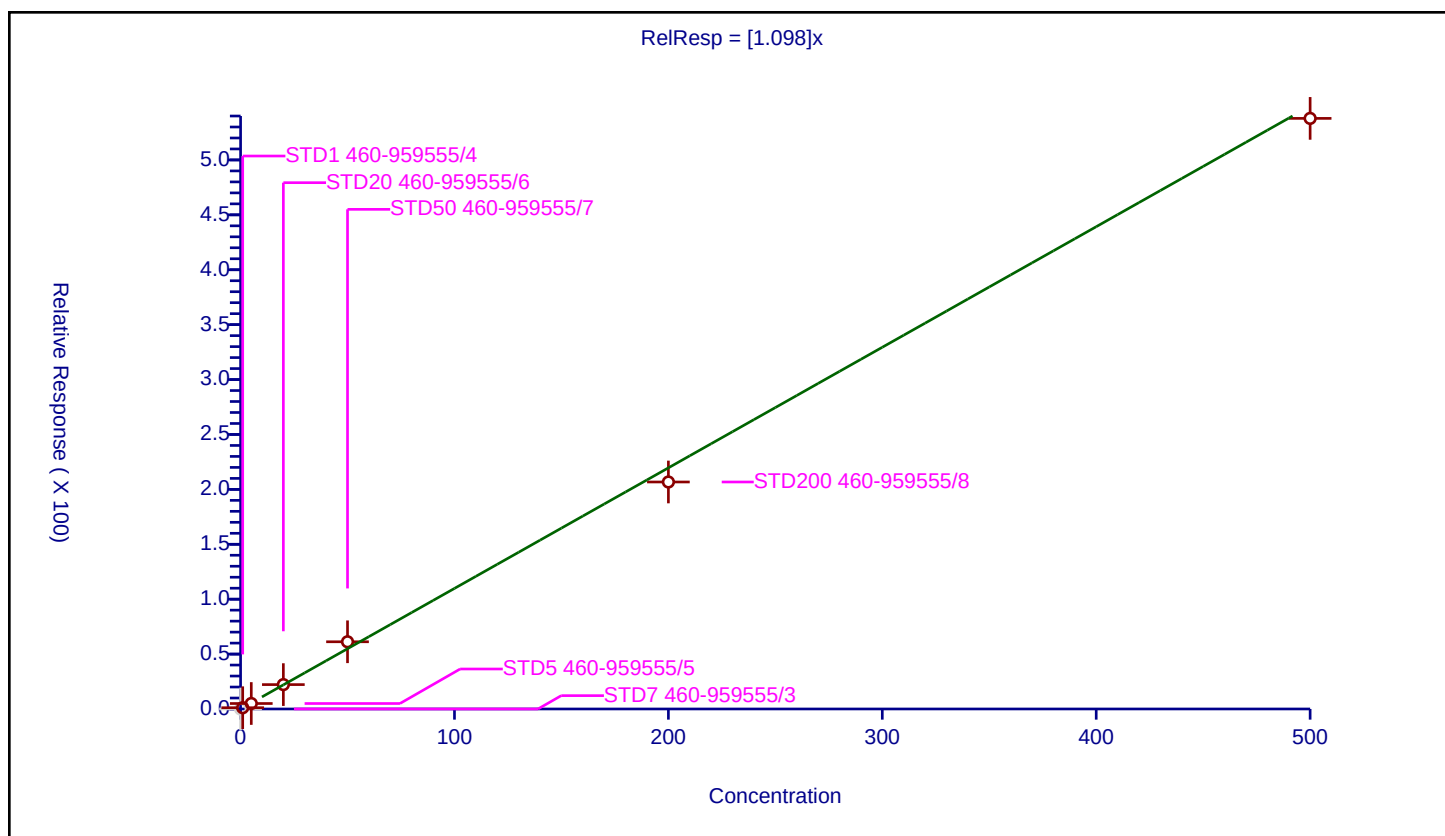
Curve Coefficients

Intercept: 0
 Slope: 1.098

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	1.14628	50.0	436717.0	1.14628	Y
3	STD5 460-959555/5	5.0	4.991808	50.0	422953.0	0.998362	Y
4	STD20 460-959555/6	20.0	22.204265	50.0	415195.0	1.110213	Y
5	STD50 460-959555/7	50.0	61.201452	50.0	401564.0	1.224029	Y
6	STD200 460-959555/8	200.0	206.713277	50.0	471856.0	1.033566	Y
7	STD500 460-959555/9	500.0	537.828446	50.0	502442.0	1.075657	Y



Calibration

/ Ethylbenzene

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

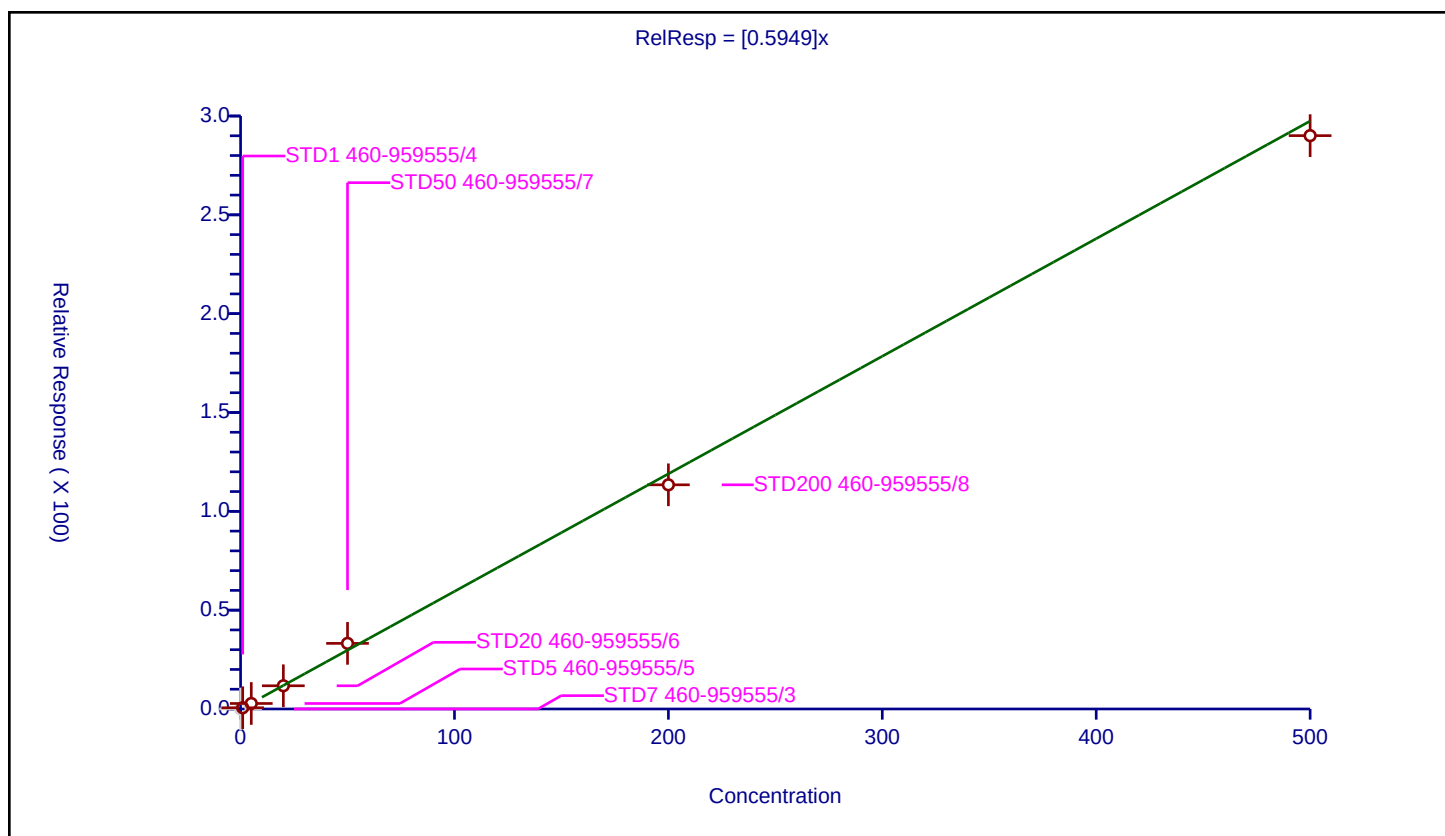
Curve Coefficients

Intercept: 0
Slope: 0.5949

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.615044	50.0	436717.0	0.615044	Y
3	STD5 460-959555/5	5.0	2.779269	50.0	422953.0	0.555854	Y
4	STD20 460-959555/6	20.0	11.743639	50.0	415195.0	0.587182	Y
5	STD50 460-959555/7	50.0	33.195331	50.0	401564.0	0.663907	Y
6	STD200 460-959555/8	200.0	113.419136	50.0	471856.0	0.567096	Y
7	STD500 460-959555/9	500.0	290.069003	50.0	502442.0	0.580138	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

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

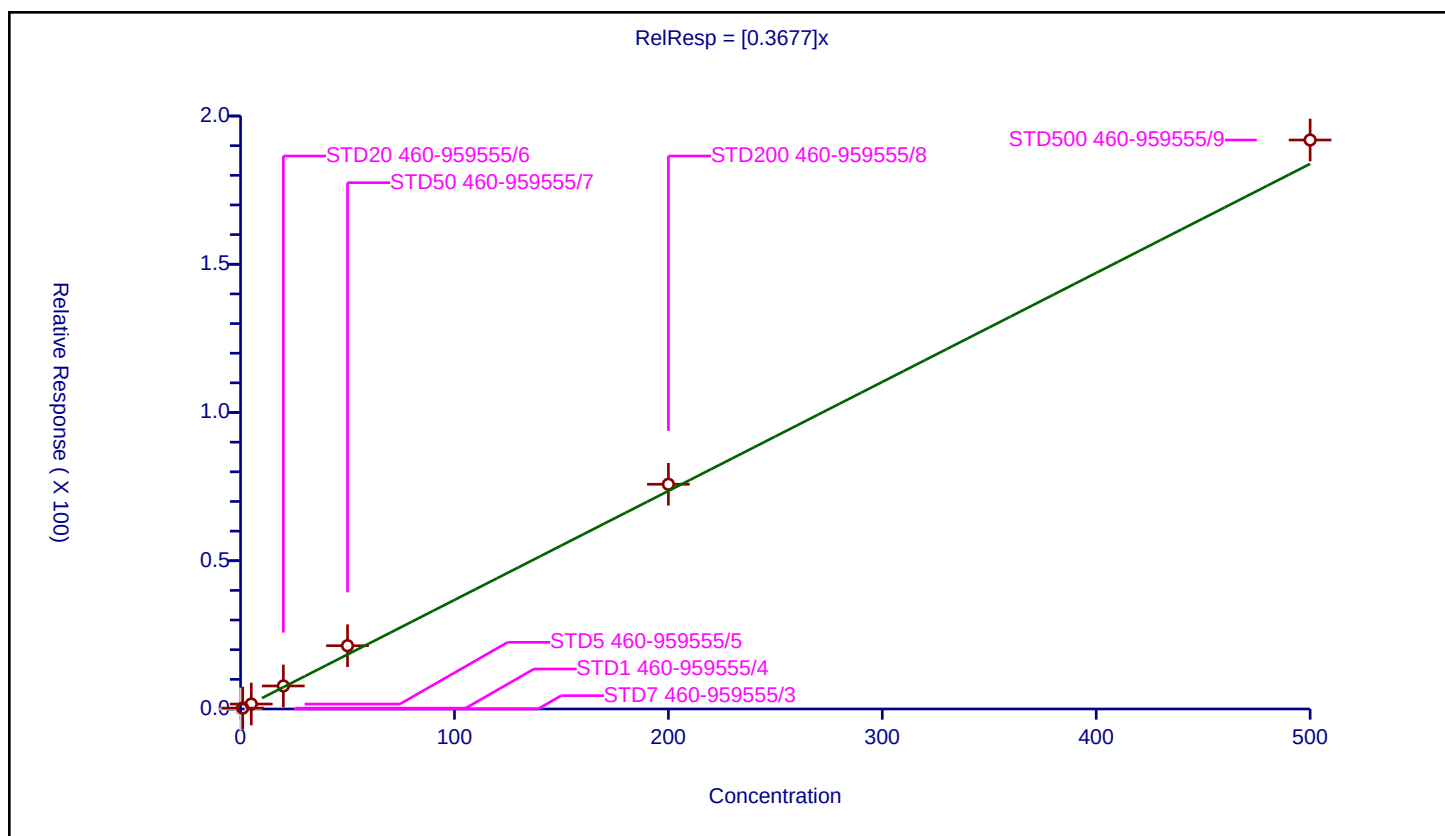
Curve Coefficients

Intercept: 0
Slope: 0.3677

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.294928	50.0	436717.0	0.294928	Y
3	STD5 460-959555/5	5.0	1.667207	50.0	422953.0	0.333441	Y
4	STD20 460-959555/6	20.0	7.766953	50.0	415195.0	0.388348	Y
5	STD50 460-959555/7	50.0	21.336948	50.0	401564.0	0.426739	Y
6	STD200 460-959555/8	200.0	75.796006	50.0	471856.0	0.37898	Y
7	STD500 460-959555/9	500.0	191.900757	50.0	502442.0	0.383802	Y



Calibration

/ m-Xylene & p-Xylene

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

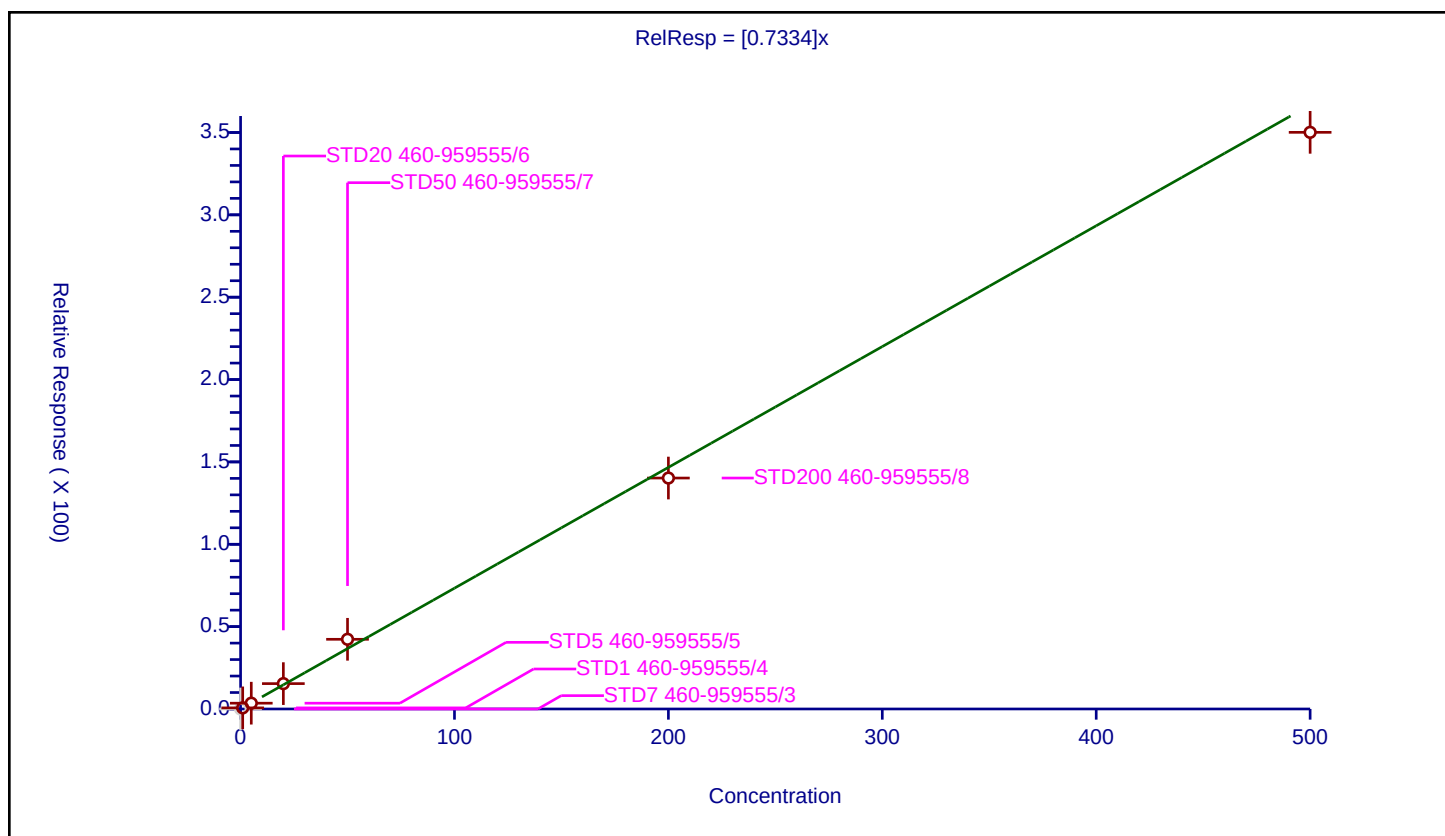
Curve Coefficients

Intercept: 0
Slope: 0.7334

Error Coefficients

Relative Standard Deviation: 8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.678128	50.0	436717.0	0.678128	Y
3	STD5 460-959555/5	5.0	3.523796	50.0	422953.0	0.704759	Y
4	STD20 460-959555/6	20.0	15.400354	50.0	415195.0	0.770018	Y
5	STD50 460-959555/7	50.0	42.315048	50.0	401564.0	0.846301	Y
6	STD200 460-959555/8	200.0	140.217248	50.0	471856.0	0.701086	Y
7	STD500 460-959555/9	500.0	350.099215	50.0	502442.0	0.700198	Y



Calibration

/ n-Butyl acrylate

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

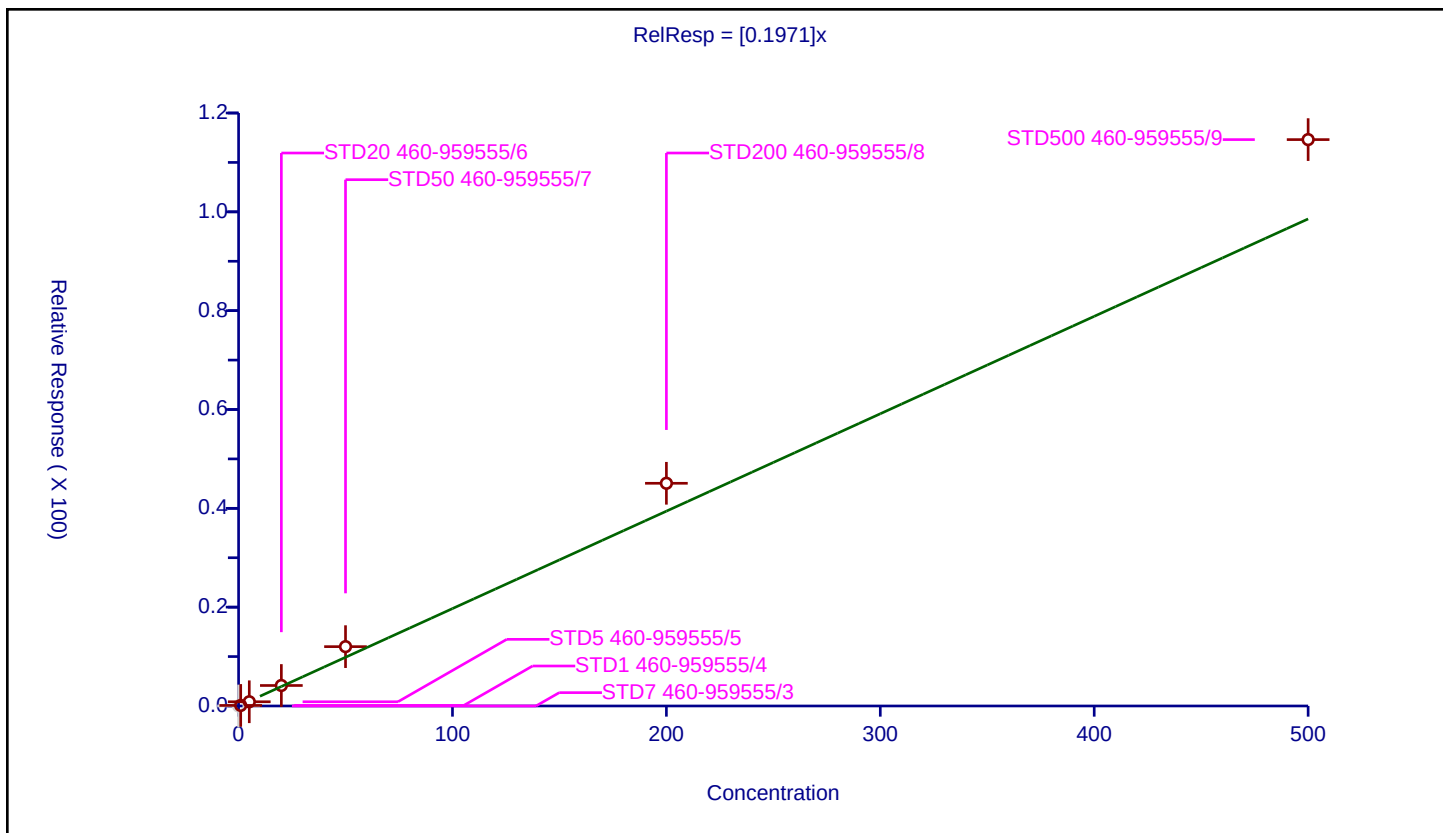
Curve Coefficients

Intercept: 0
 Slope: 0.1971

Error Coefficients

Relative Standard Deviation: 25.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.10911	50.0	436717.0	0.10911	Y
3	STD5 460-959555/5	5.0	0.857424	50.0	422953.0	0.171485	Y
4	STD20 460-959555/6	20.0	4.149376	50.0	415195.0	0.207469	Y
5	STD50 460-959555/7	50.0	12.0078	50.0	401564.0	0.240156	Y
6	STD200 460-959555/8	200.0	45.068729	50.0	471856.0	0.225344	Y
7	STD500 460-959555/9	500.0	114.621091	50.0	502442.0	0.229242	Y



Calibration

/ o-Xylene

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

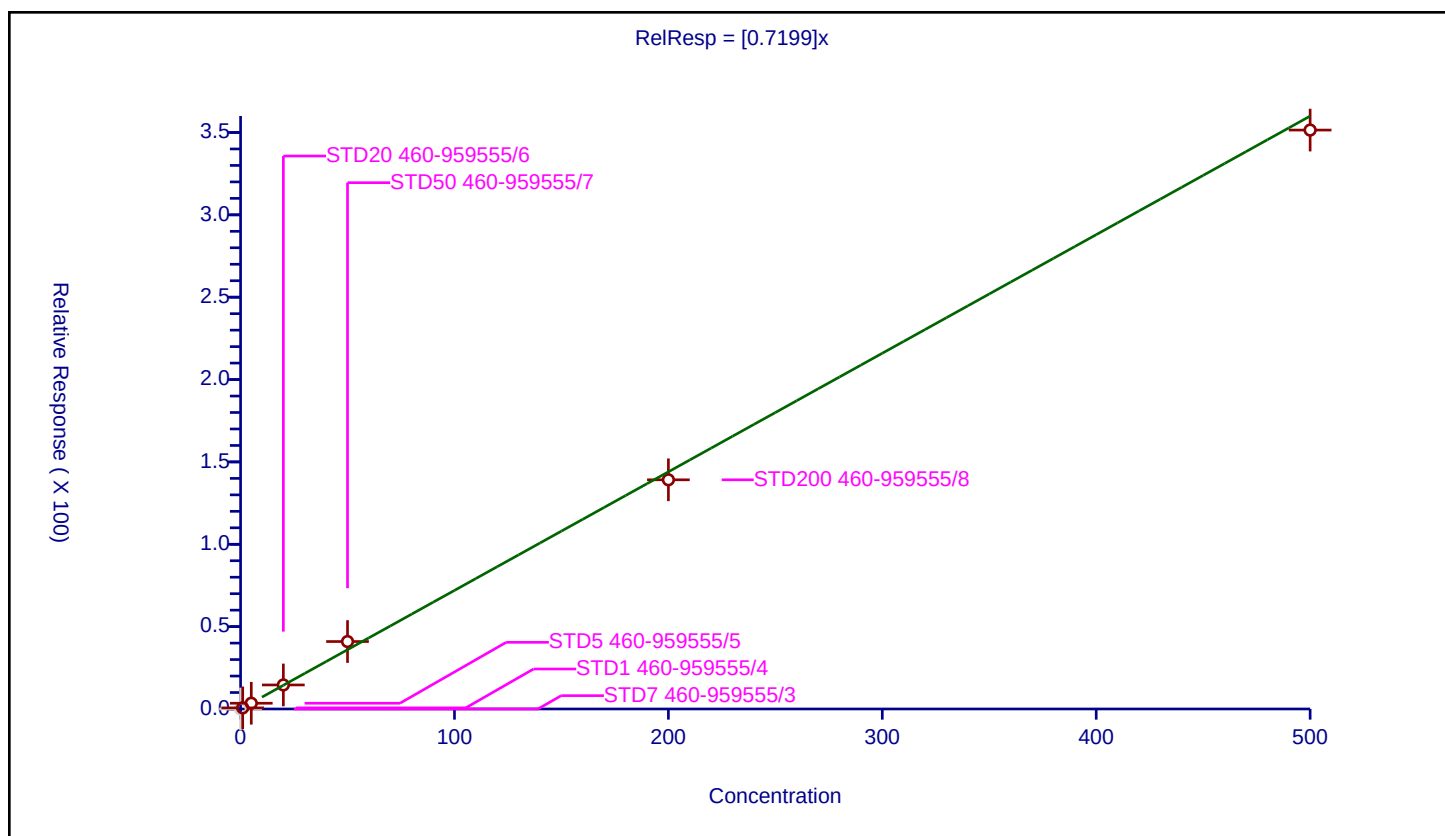
Curve Coefficients

Intercept: 0
Slope: 0.7199

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.67538	50.0	436717.0	0.67538	Y
3	STD5 460-959555/5	5.0	3.481947	50.0	422953.0	0.696389	Y
4	STD20 460-959555/6	20.0	14.601091	50.0	415195.0	0.730055	Y
5	STD50 460-959555/7	50.0	40.944407	50.0	401564.0	0.818888	Y
6	STD200 460-959555/8	200.0	139.149232	50.0	471856.0	0.695746	Y
7	STD500 460-959555/9	500.0	351.472309	50.0	502442.0	0.702945	Y



Calibration

/ Styrene

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

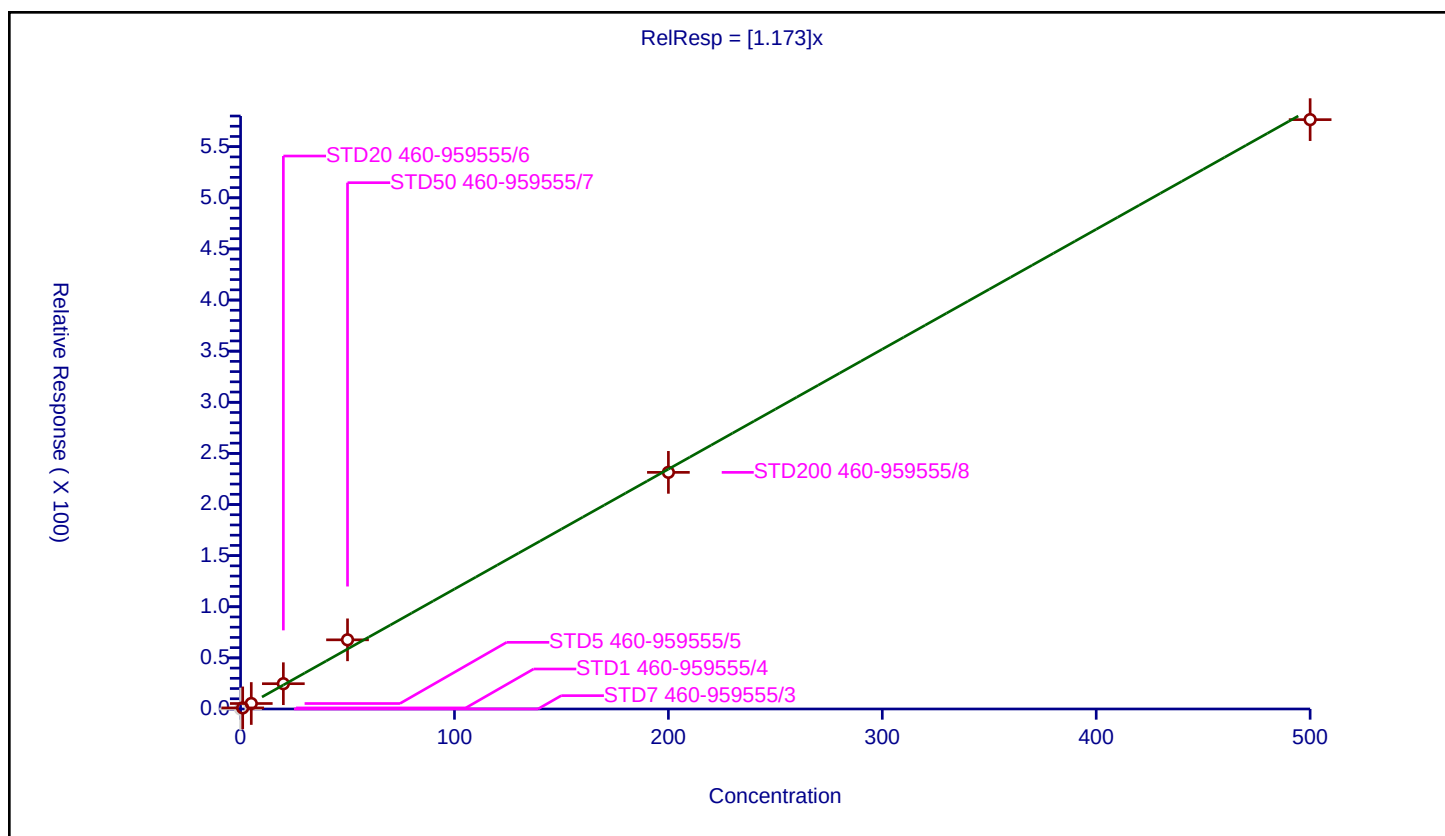
Curve Coefficients

Intercept: 0
 Slope: 1.173

Error Coefficients

Relative Standard Deviation: 9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	1.066595	50.0	436717.0	1.066595	Y
3	STD5 460-959555/5	5.0	5.356624	50.0	422953.0	1.071325	Y
4	STD20 460-959555/6	20.0	24.7338	50.0	415195.0	1.23669	Y
5	STD50 460-959555/7	50.0	67.650985	50.0	401564.0	1.35302	Y
6	STD200 460-959555/8	200.0	231.451968	50.0	471856.0	1.15726	Y
7	STD500 460-959555/9	500.0	576.464746	50.0	502442.0	1.152929	Y



Calibration

/ Amyl acetate (mixed isomers)

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

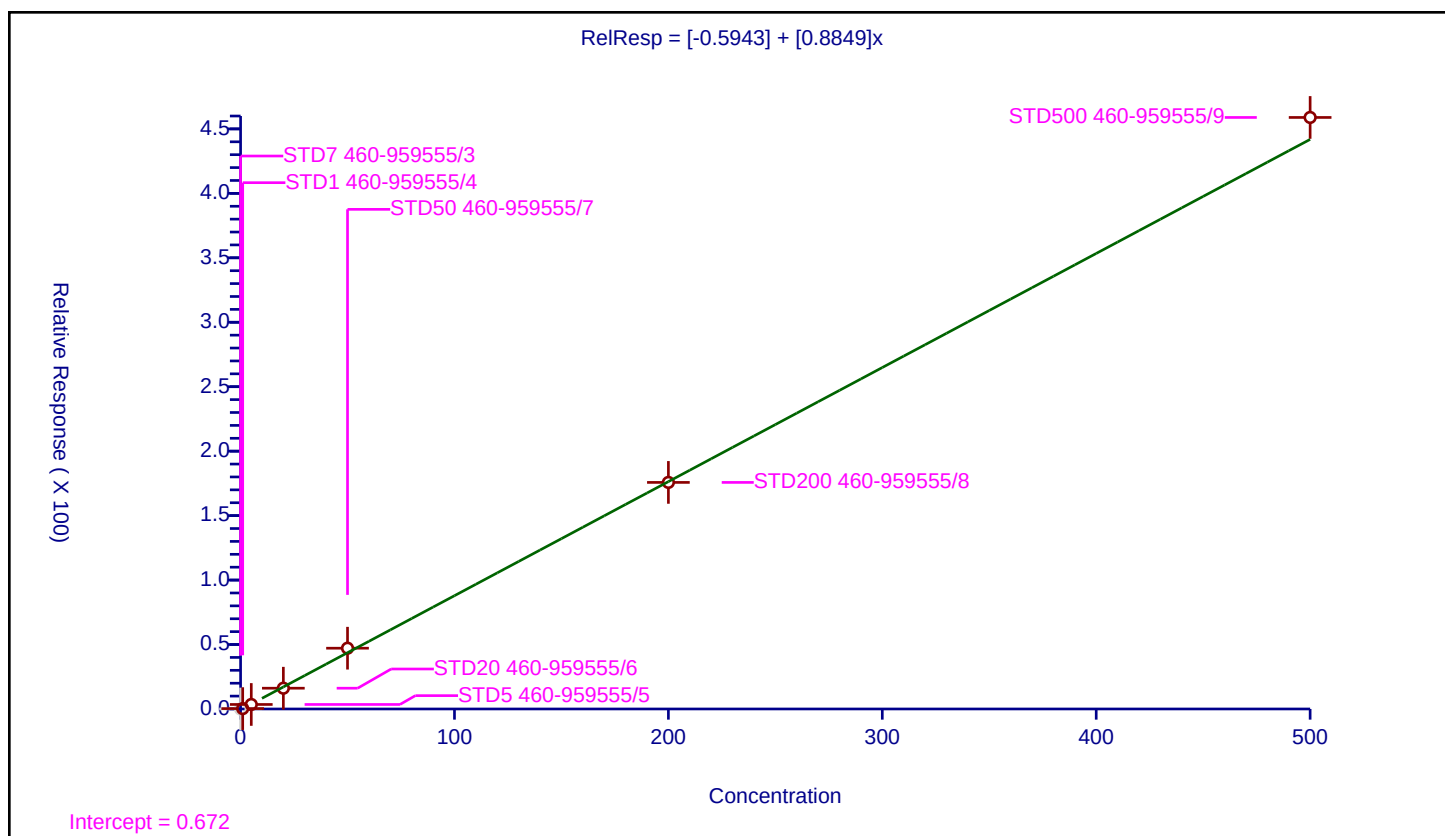
Curve Coefficients

Intercept: -0.5943
 Slope: 0.8849

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.304826	50.0	248010.0	0.304826	Y
3	STD5 460-959555/5	5.0	3.500423	50.0	243342.0	0.700085	Y
4	STD20 460-959555/6	20.0	16.120757	50.0	239142.0	0.806038	Y
5	STD50 460-959555/7	50.0	47.154218	50.0	227600.0	0.943084	Y
6	STD200 460-959555/8	200.0	175.762988	50.0	262029.0	0.878815	Y
7	STD500 460-959555/9	500.0	458.877754	50.0	270823.0	0.917756	Y



Calibration

/ Bromoform

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

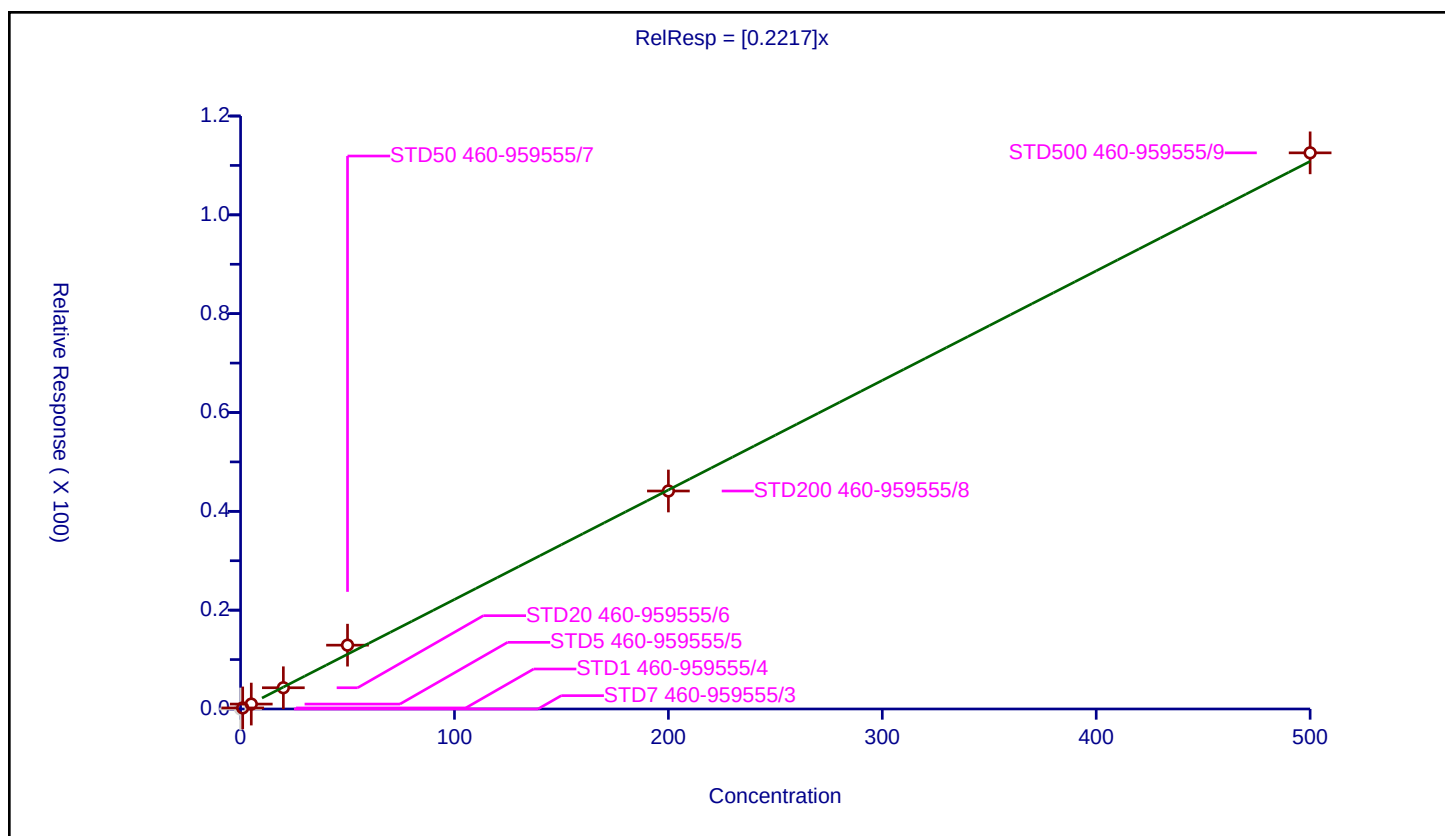
Curve Coefficients

Intercept: 0
Slope: 0.2217

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	0.211579	50.0	436717.0	0.211579	Y
3	STD5 460-959555/5	5.0	0.996683	50.0	422953.0	0.199337	Y
4	STD20 460-959555/6	20.0	4.300509	50.0	415195.0	0.215025	Y
5	STD50 460-959555/7	50.0	12.915251	50.0	401564.0	0.258305	Y
6	STD200 460-959555/8	200.0	44.116213	50.0	471856.0	0.220581	Y
7	STD500 460-959555/9	500.0	112.548015	50.0	502442.0	0.225096	Y



Calibration

/ Isopropylbenzene

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

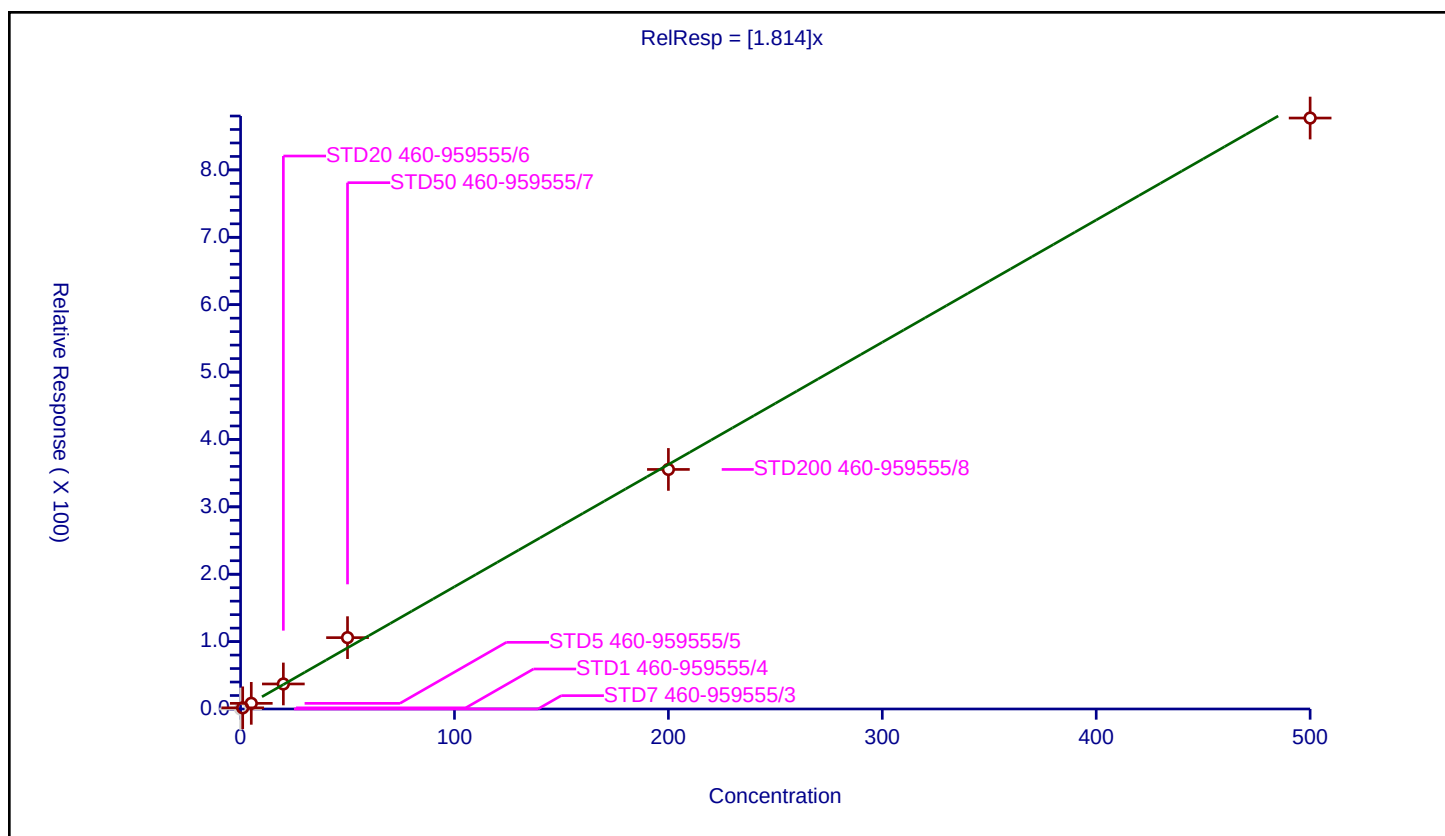
Curve Coefficients

Intercept: 0
Slope: 1.814

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	445490.0	NaN	N
2	STD1 460-959555/4	1.0	1.707284	50.0	436717.0	1.707284	Y
3	STD5 460-959555/5	5.0	8.353883	50.0	422953.0	1.670777	Y
4	STD20 460-959555/6	20.0	37.159407	50.0	415195.0	1.85797	Y
5	STD50 460-959555/7	50.0	105.864819	50.0	401564.0	2.117296	Y
6	STD200 460-959555/8	200.0	355.501678	50.0	471856.0	1.777508	Y
7	STD500 460-959555/9	500.0	876.999236	50.0	502442.0	1.753998	Y



Calibration

/ 4-Bromofluorobenzene

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

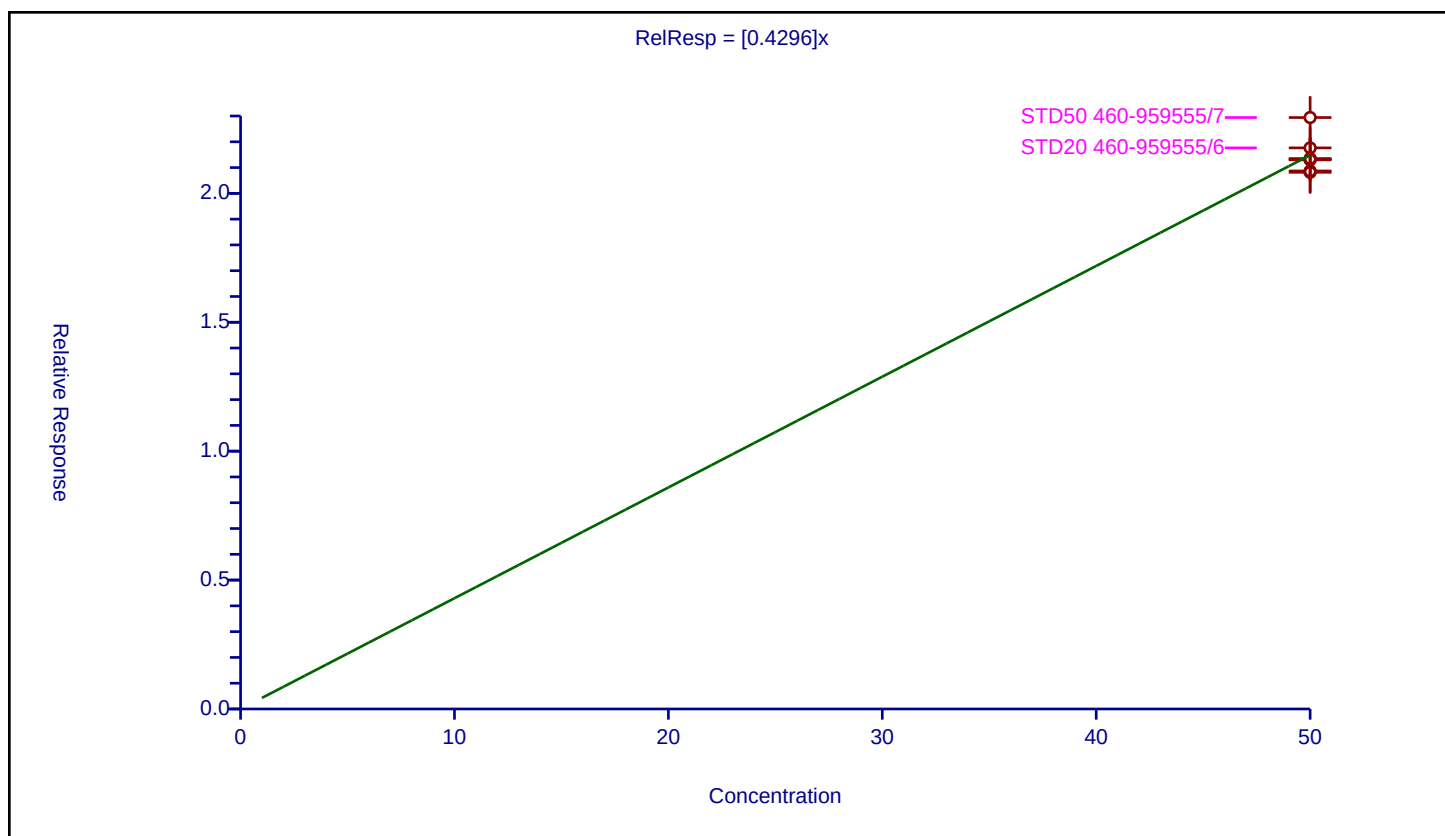
Curve Coefficients

Intercept: 0
Slope: 0.4296

Error Coefficients

Relative Standard Deviation: 3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	50.0	20.867808	50.0	445490.0	0.417356	Y
2	STD1 460-959555/4	50.0	21.348608	50.0	436717.0	0.426972	Y
3	STD5 460-959555/5	50.0	21.299293	50.0	422953.0	0.425986	Y
4	STD20 460-959555/6	50.0	21.76399	50.0	415195.0	0.43528	Y
5	STD50 460-959555/7	50.0	22.941424	50.0	401564.0	0.458828	Y
6	STD200 460-959555/8	50.0	20.816732	50.0	471856.0	0.416335	Y
7	STD500 460-959555/9	50.0	21.326044	50.0	502442.0	0.426521	Y



Calibration

/ Bromobenzene

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

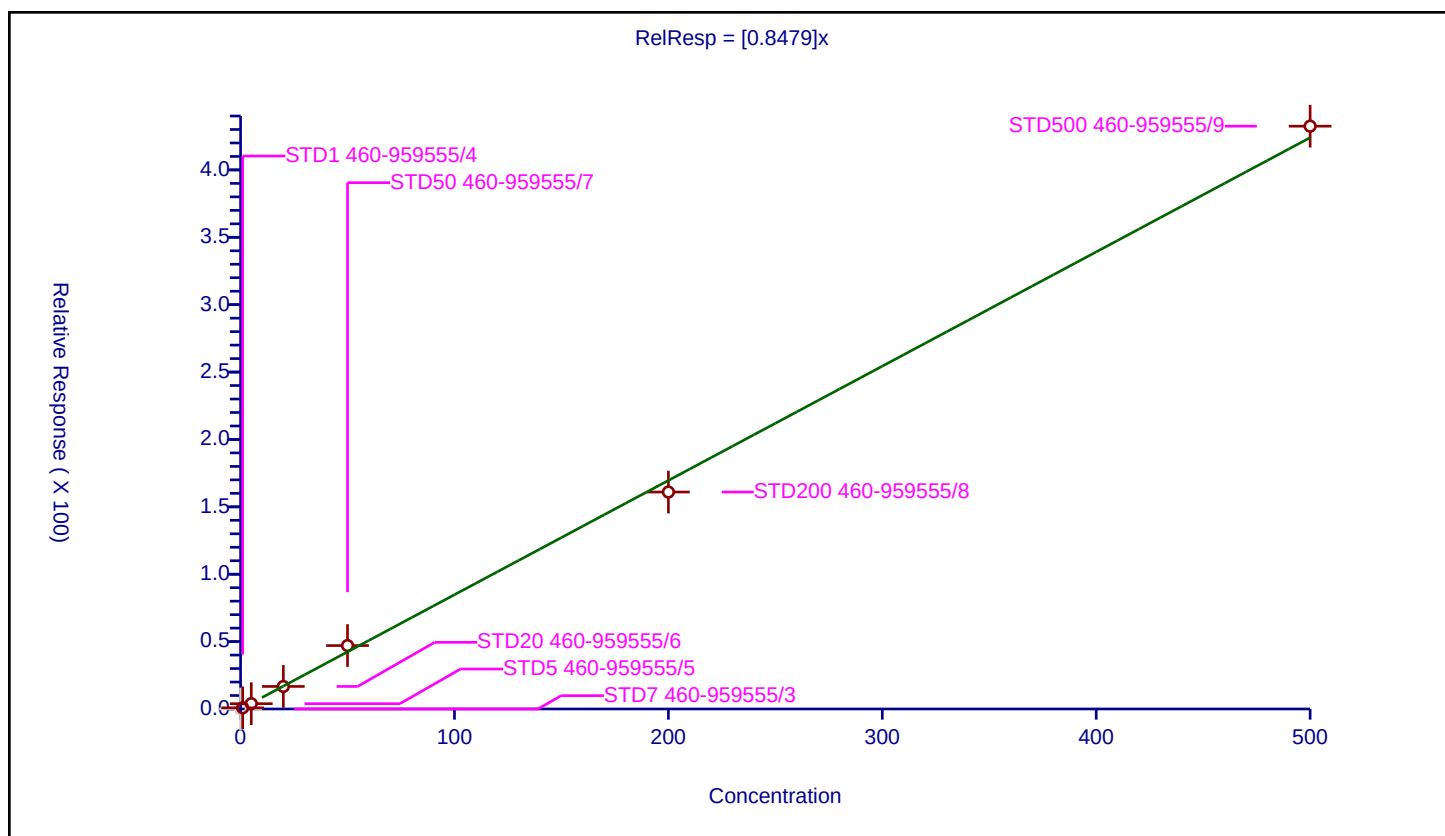
Curve Coefficients

Intercept: 0
Slope: 0.8479

Error Coefficients

Relative Standard Deviation: 6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.854401	50.0	248010.0	0.854401	Y
3	STD5 460-959555/5	5.0	3.930476	50.0	243342.0	0.786095	Y
4	STD20 460-959555/6	20.0	16.720191	50.0	239142.0	0.83601	Y
5	STD50 460-959555/7	50.0	47.059754	50.0	227600.0	0.941195	Y
6	STD200 460-959555/8	200.0	160.983326	50.0	262029.0	0.804917	Y
7	STD500 460-959555/9	500.0	432.463269	50.0	270823.0	0.864927	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

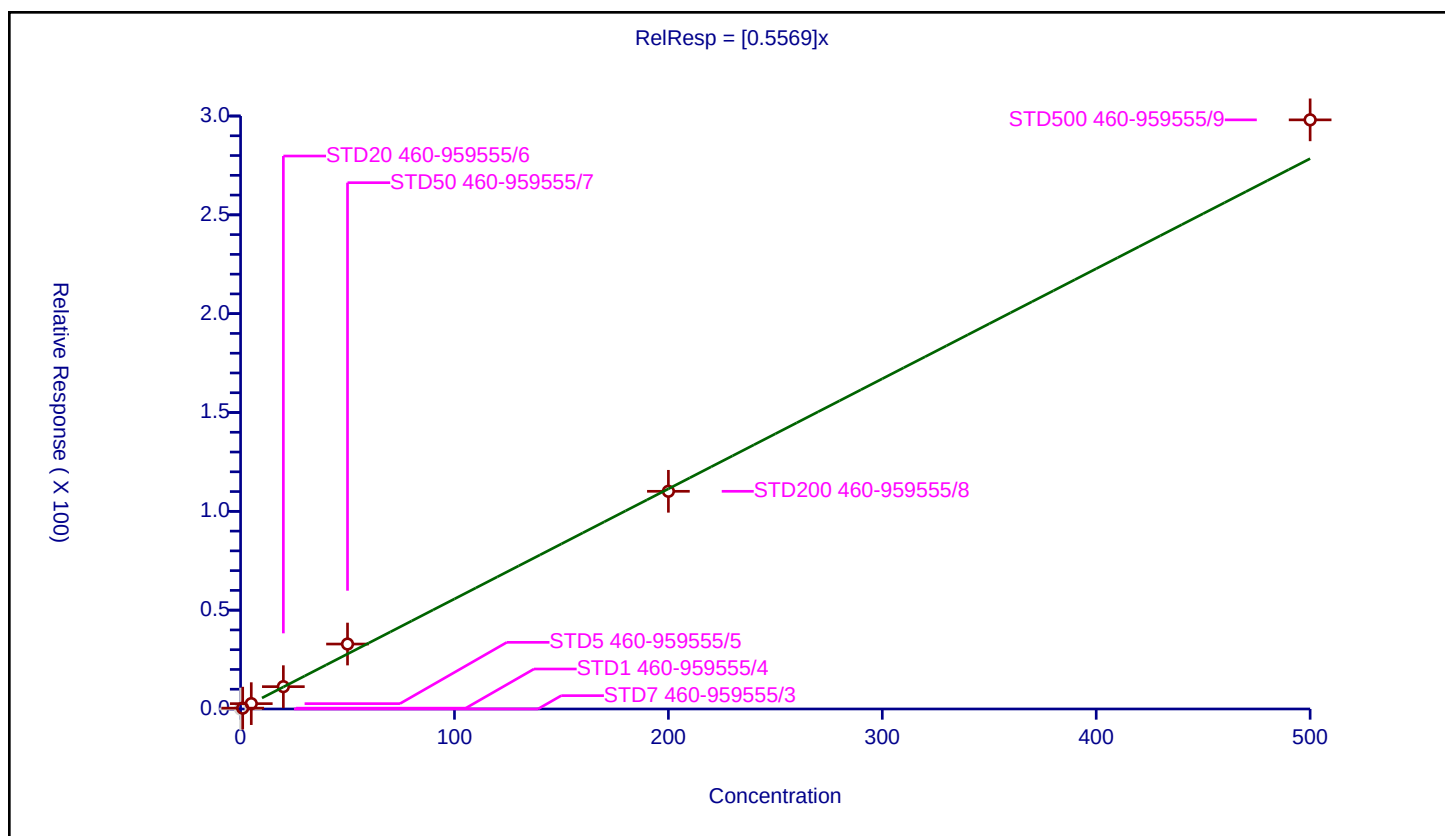
Curve Coefficients

Intercept: 0
Slope: 0.5569

Error Coefficients

Relative Standard Deviation: 13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.431031	50.0	248010.0	0.431031	Y
3	STD5 460-959555/5	5.0	2.708534	50.0	243342.0	0.541707	Y
4	STD20 460-959555/6	20.0	11.295172	50.0	239142.0	0.564759	Y
5	STD50 460-959555/7	50.0	32.852373	50.0	227600.0	0.657047	Y
6	STD200 460-959555/8	200.0	110.137237	50.0	262029.0	0.550686	Y
7	STD500 460-959555/9	500.0	298.062941	50.0	270823.0	0.596126	Y



Calibration

/ N-Propylbenzene

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

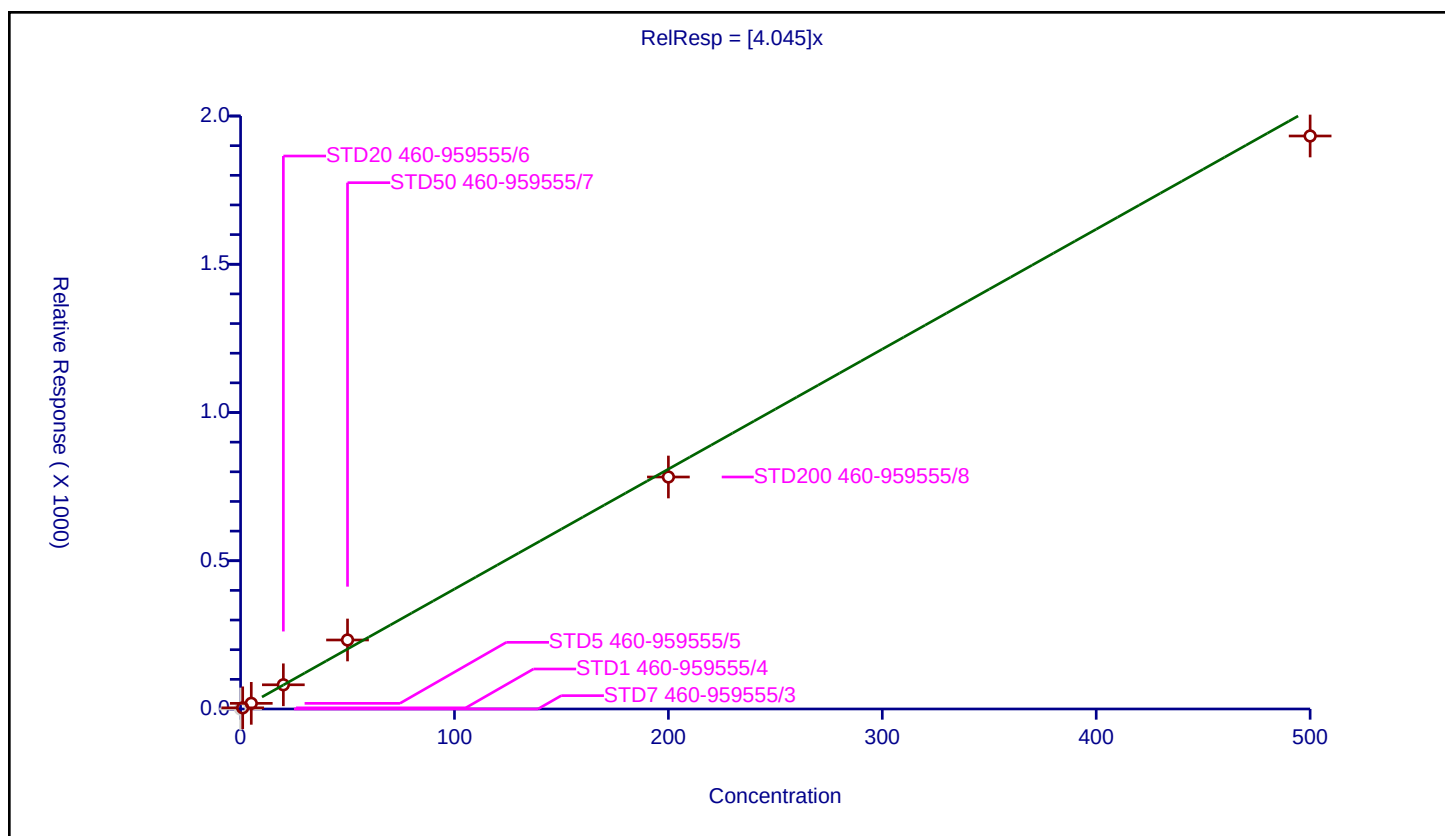
Curve Coefficients

Intercept: 0
Slope: 4.045

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	3.95226	50.0	248010.0	3.95226	Y
3	STD5 460-959555/5	5.0	19.038226	50.0	243342.0	3.807645	Y
4	STD20 460-959555/6	20.0	81.600263	50.0	239142.0	4.080013	Y
5	STD50 460-959555/7	50.0	232.732206	50.0	227600.0	4.654644	Y
6	STD200 460-959555/8	200.0	782.452133	50.0	262029.0	3.912261	Y
7	STD500 460-959555/9	500.0	1932.626476	50.0	270823.0	3.865253	Y



Calibration

/ 1,2,3-Trichloropropane

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

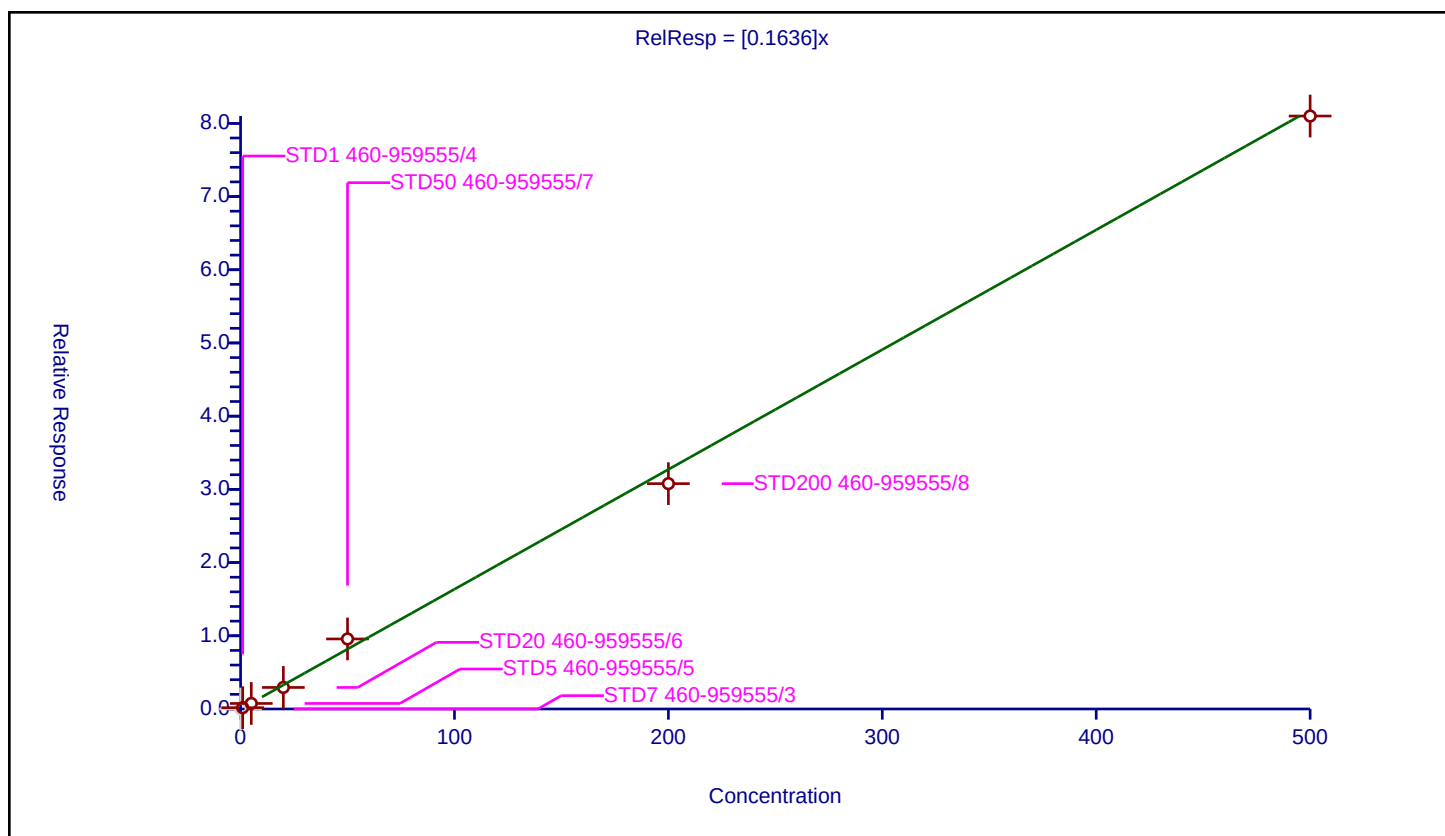
Curve Coefficients

Intercept: 0
Slope: 0.1636

Error Coefficients

Relative Standard Deviation: 10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.176001	50.0	248010.0	0.176001	Y
3	STD5 460-959555/5	5.0	0.757165	50.0	243342.0	0.151433	Y
4	STD20 460-959555/6	20.0	2.940512	50.0	239142.0	0.147026	Y
5	STD50 460-959555/7	50.0	9.568102	50.0	227600.0	0.191362	Y
6	STD200 460-959555/8	200.0	30.783043	50.0	262029.0	0.153915	Y
7	STD500 460-959555/9	500.0	80.994783	50.0	270823.0	0.16199	Y



Calibration

/ 2-Chlorotoluene

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

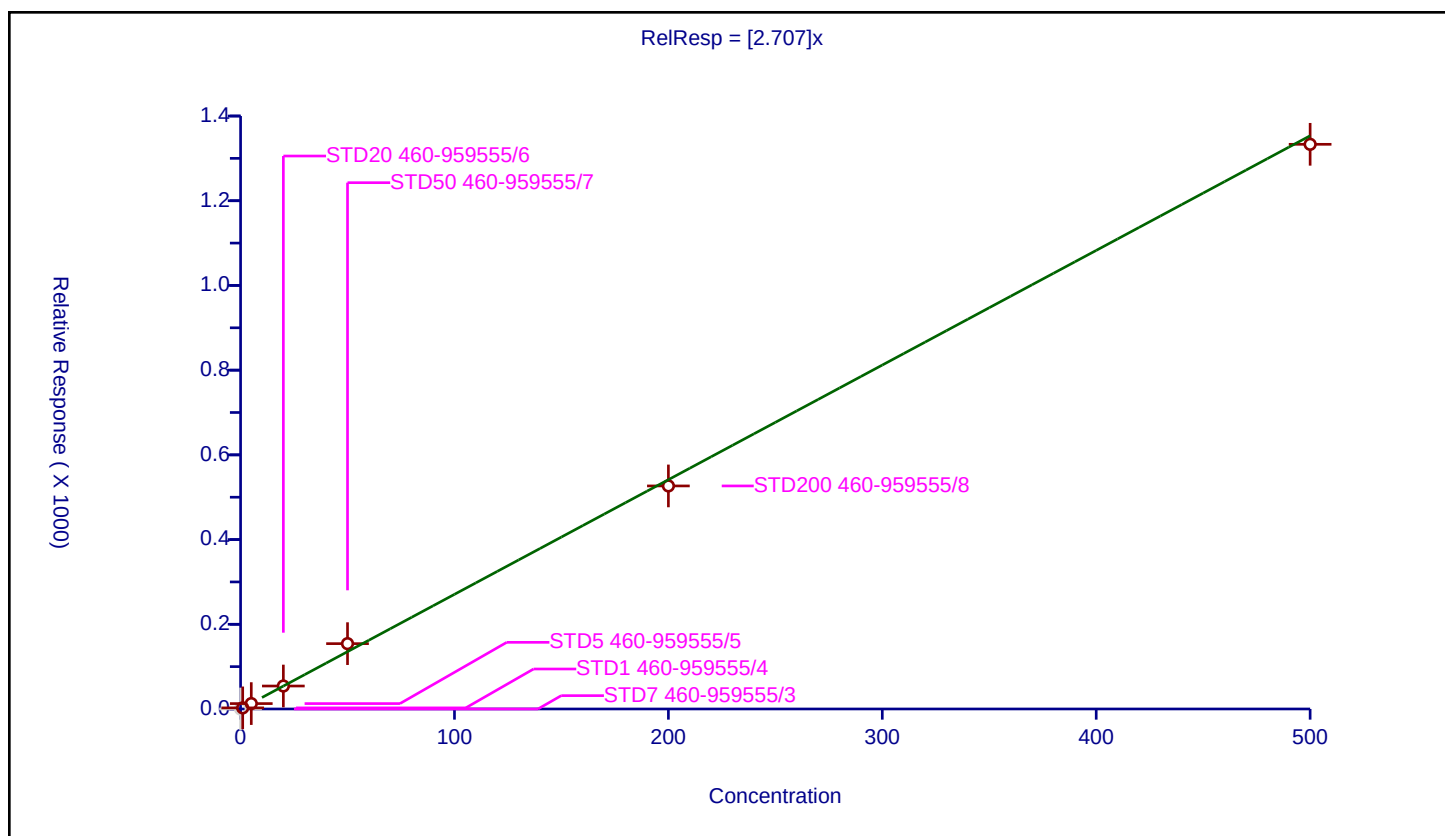
Curve Coefficients

Intercept: 0
Slope: 2.707

Error Coefficients

Relative Standard Deviation: 7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.59546	50.0	248010.0	2.59546	Y
3	STD5 460-959555/5	5.0	12.747491	50.0	243342.0	2.549498	Y
4	STD20 460-959555/6	20.0	54.21946	50.0	239142.0	2.710973	Y
5	STD50 460-959555/7	50.0	154.260545	50.0	227600.0	3.085211	Y
6	STD200 460-959555/8	200.0	526.631213	50.0	262029.0	2.633156	Y
7	STD500 460-959555/9	500.0	1333.185697	50.0	270823.0	2.666371	Y



Calibration

/ 1,3,5-Trimethylbenzene

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

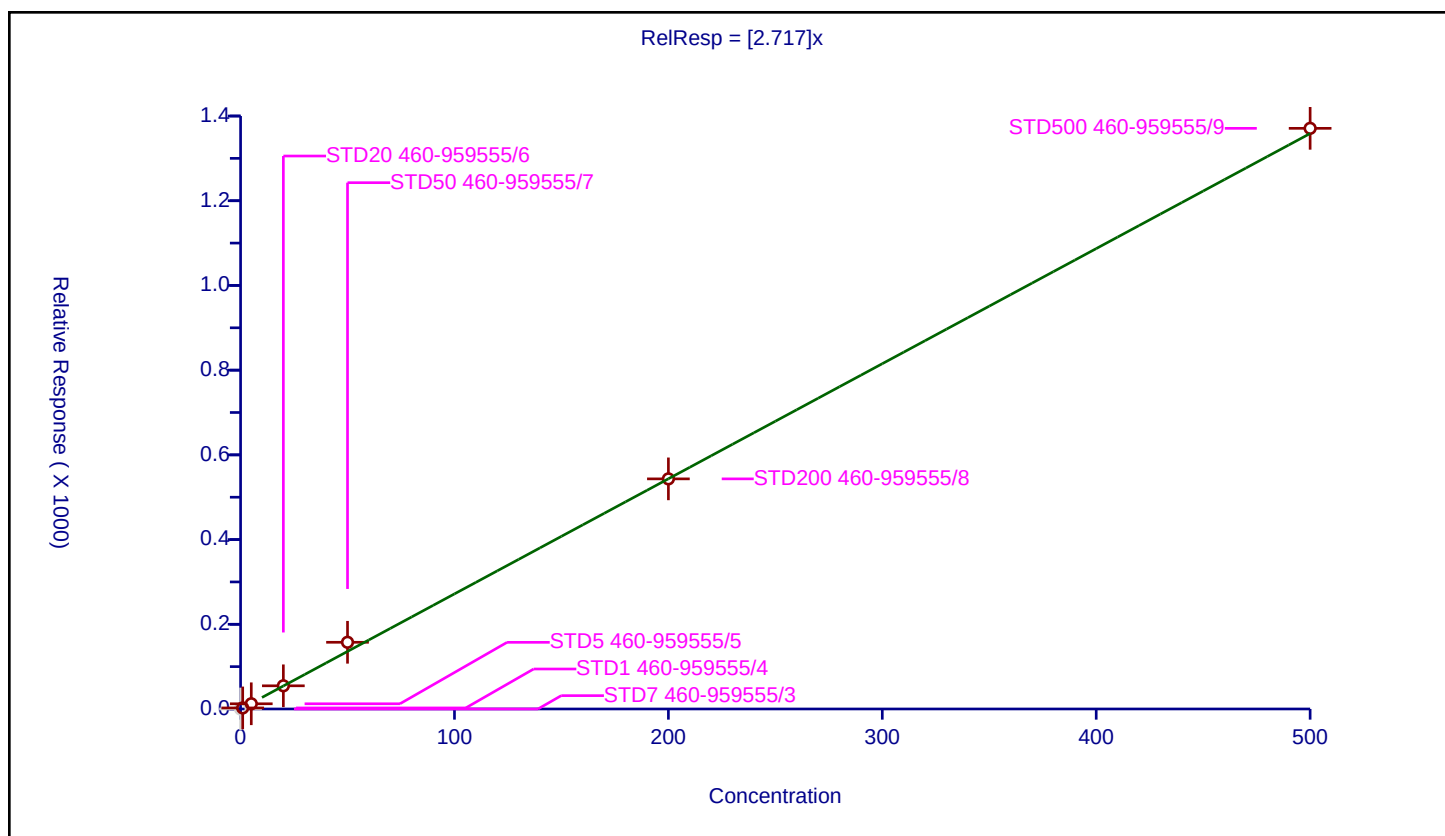
Curve Coefficients

Intercept: 0
Slope: 2.717

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.493851	50.0	248010.0	2.493851	Y
3	STD5 460-959555/5	5.0	12.325246	50.0	243342.0	2.465049	Y
4	STD20 460-959555/6	20.0	54.739653	50.0	239142.0	2.736983	Y
5	STD50 460-959555/7	50.0	157.517794	50.0	227600.0	3.150356	Y
6	STD200 460-959555/8	200.0	543.28166	50.0	262029.0	2.716408	Y
7	STD500 460-959555/9	500.0	1370.886889	50.0	270823.0	2.741774	Y



Calibration

/ 4-Chlorotoluene

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

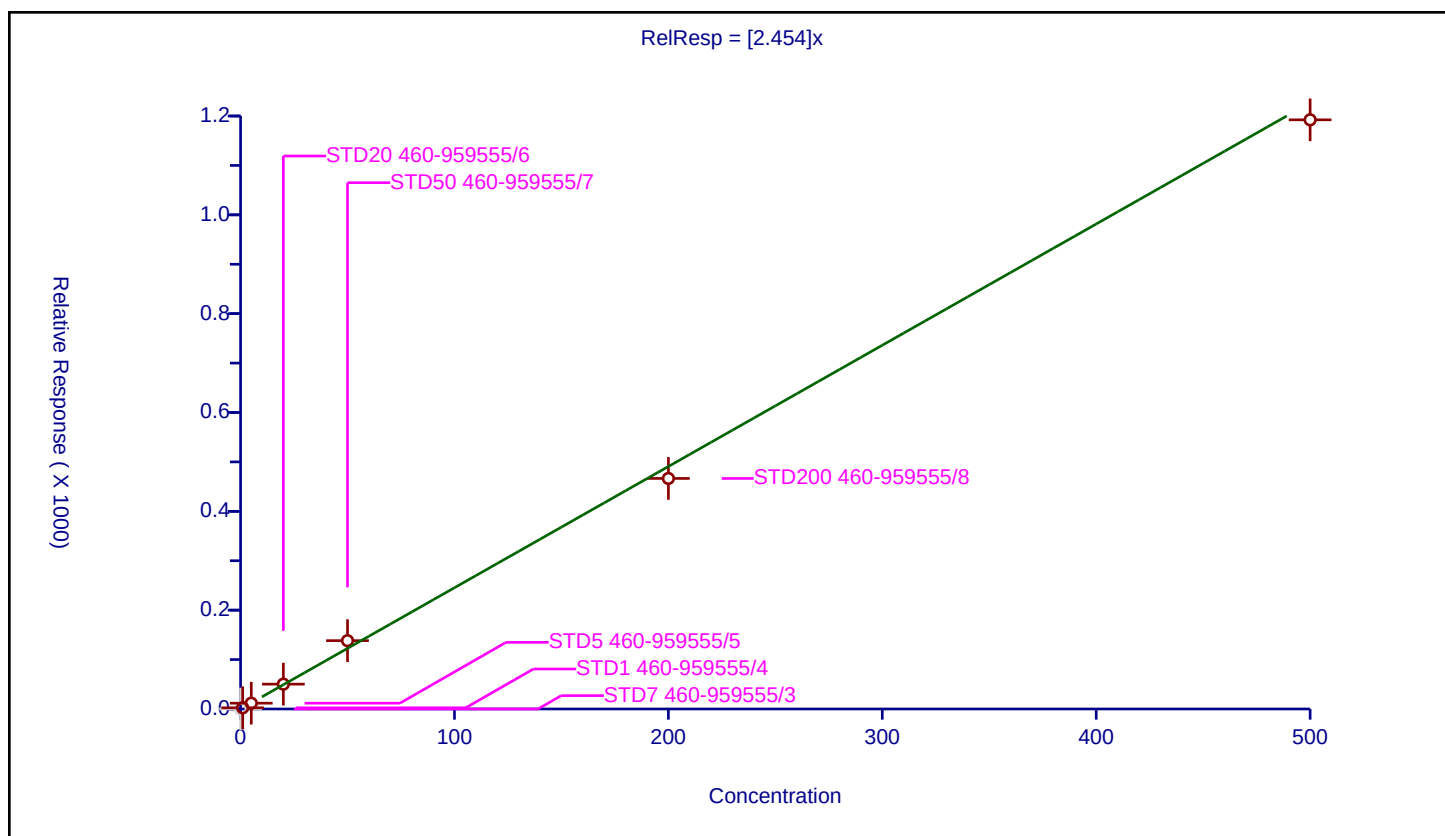
Curve Coefficients

Intercept: 0
Slope: 2.454

Error Coefficients

Relative Standard Deviation: 6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.377122	50.0	248010.0	2.377122	Y
3	STD5 460-959555/5	5.0	11.742322	50.0	243342.0	2.348464	Y
4	STD20 460-959555/6	20.0	50.283723	50.0	239142.0	2.514186	Y
5	STD50 460-959555/7	50.0	138.265378	50.0	227600.0	2.765308	Y
6	STD200 460-959555/8	200.0	466.576791	50.0	262029.0	2.332884	Y
7	STD500 460-959555/9	500.0	1192.256566	50.0	270823.0	2.384513	Y



Calibration

/ Butyl Methacrylate

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

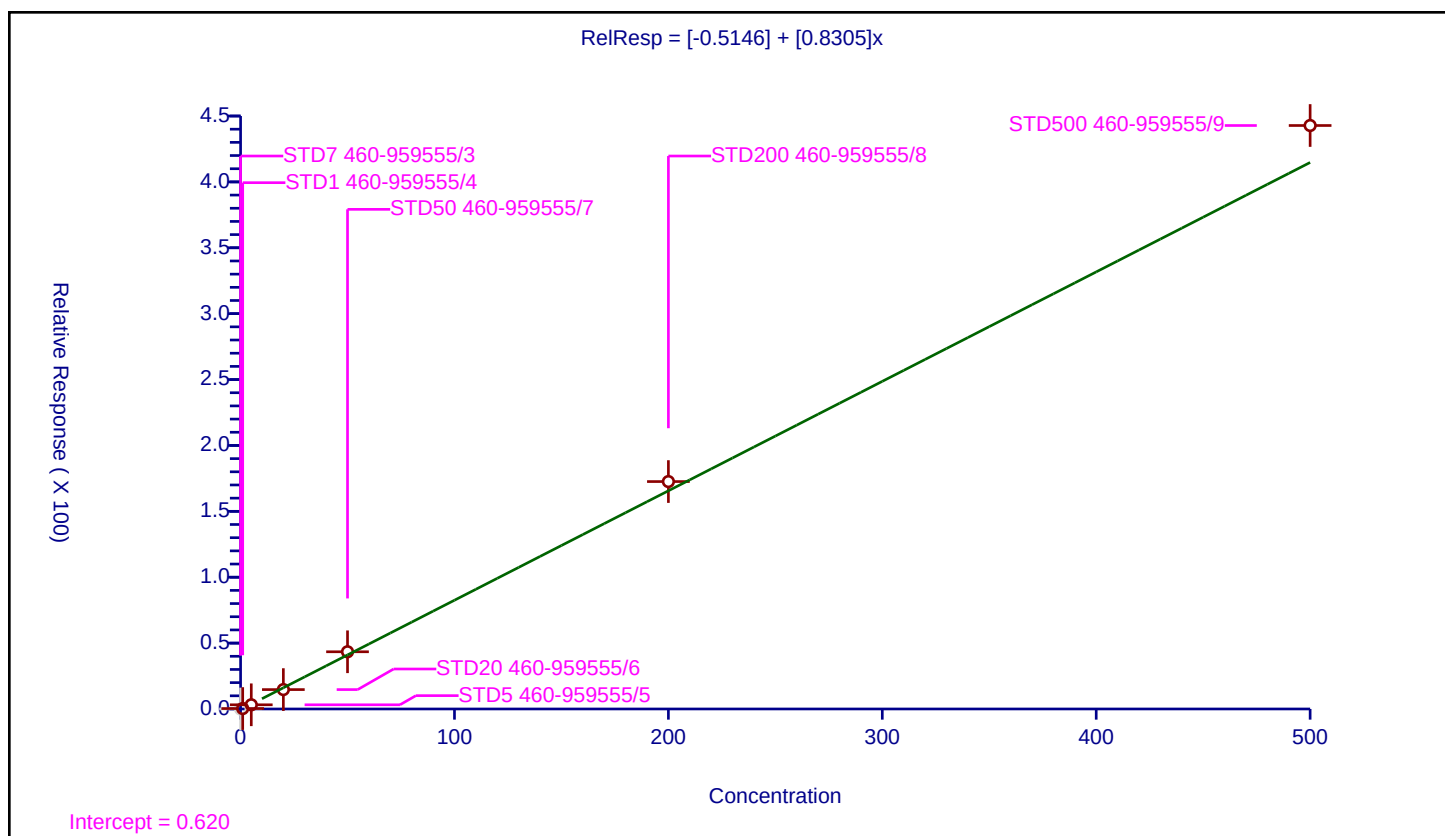
Curve Coefficients

Intercept: -0.5146
Slope: 0.8305

Error Coefficients

Relative Standard Deviation: 8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.336277	50.0	248010.0	0.336277	Y
3	STD5 460-959555/5	5.0	3.184407	50.0	243342.0	0.636881	Y
4	STD20 460-959555/6	20.0	14.713434	50.0	239142.0	0.735672	Y
5	STD50 460-959555/7	50.0	43.427065	50.0	227600.0	0.868541	Y
6	STD200 460-959555/8	200.0	172.600552	50.0	262029.0	0.863003	Y
7	STD500 460-959555/9	500.0	442.78994	50.0	270823.0	0.88558	Y



Calibration

/ tert-Butylbenzene

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

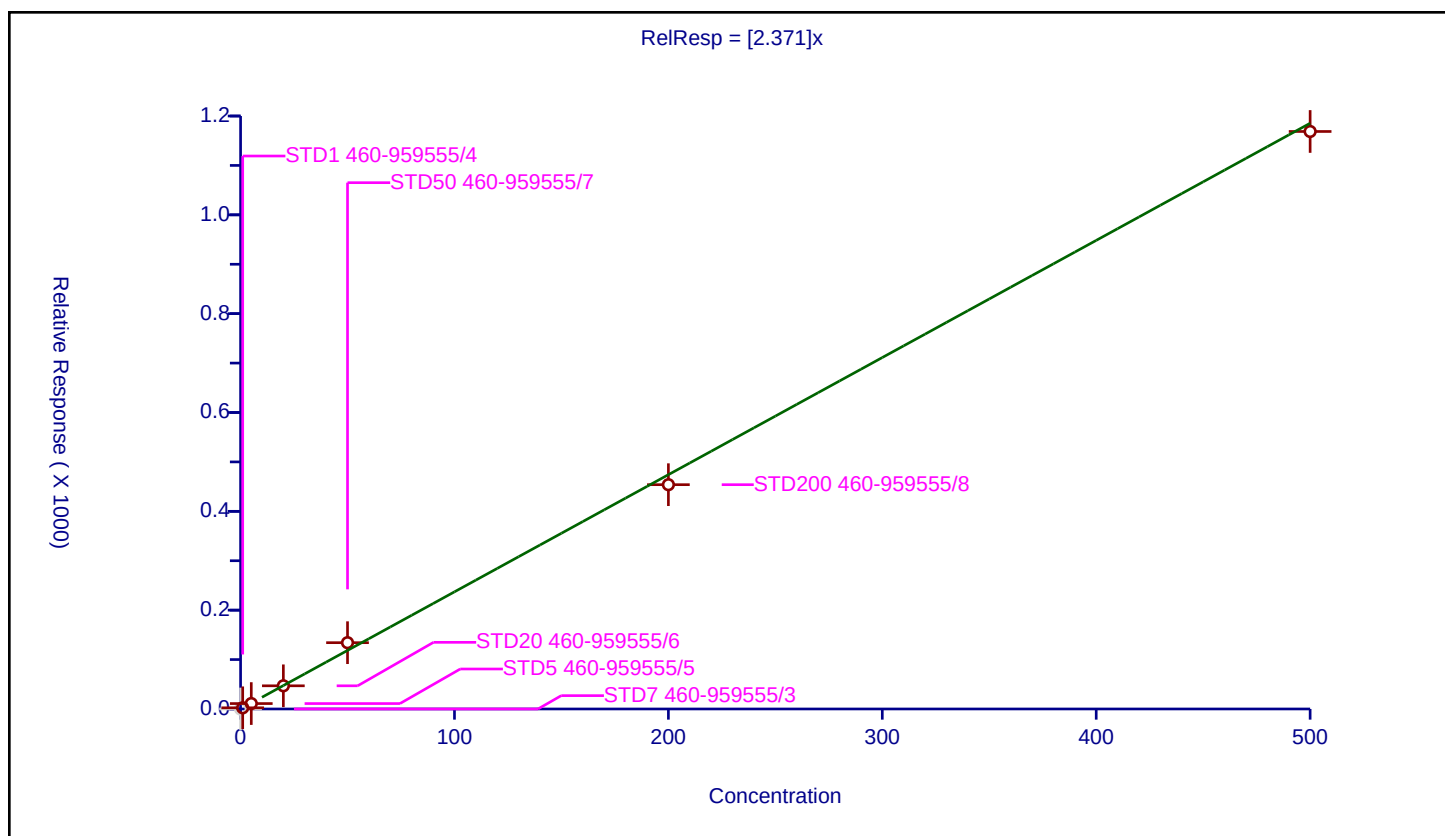
Curve Coefficients

Intercept: 0
Slope: 2.371

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.390025	50.0	248010.0	2.390025	Y
3	STD5 460-959555/5	5.0	10.988033	50.0	243342.0	2.197607	Y
4	STD20 460-959555/6	20.0	46.912713	50.0	239142.0	2.345636	Y
5	STD50 460-959555/7	50.0	134.209139	50.0	227600.0	2.684183	Y
6	STD200 460-959555/8	200.0	453.915979	50.0	262029.0	2.26958	Y
7	STD500 460-959555/9	500.0	1168.714437	50.0	270823.0	2.337429	Y



Calibration

/ 1,2,4-Trimethylbenzene

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

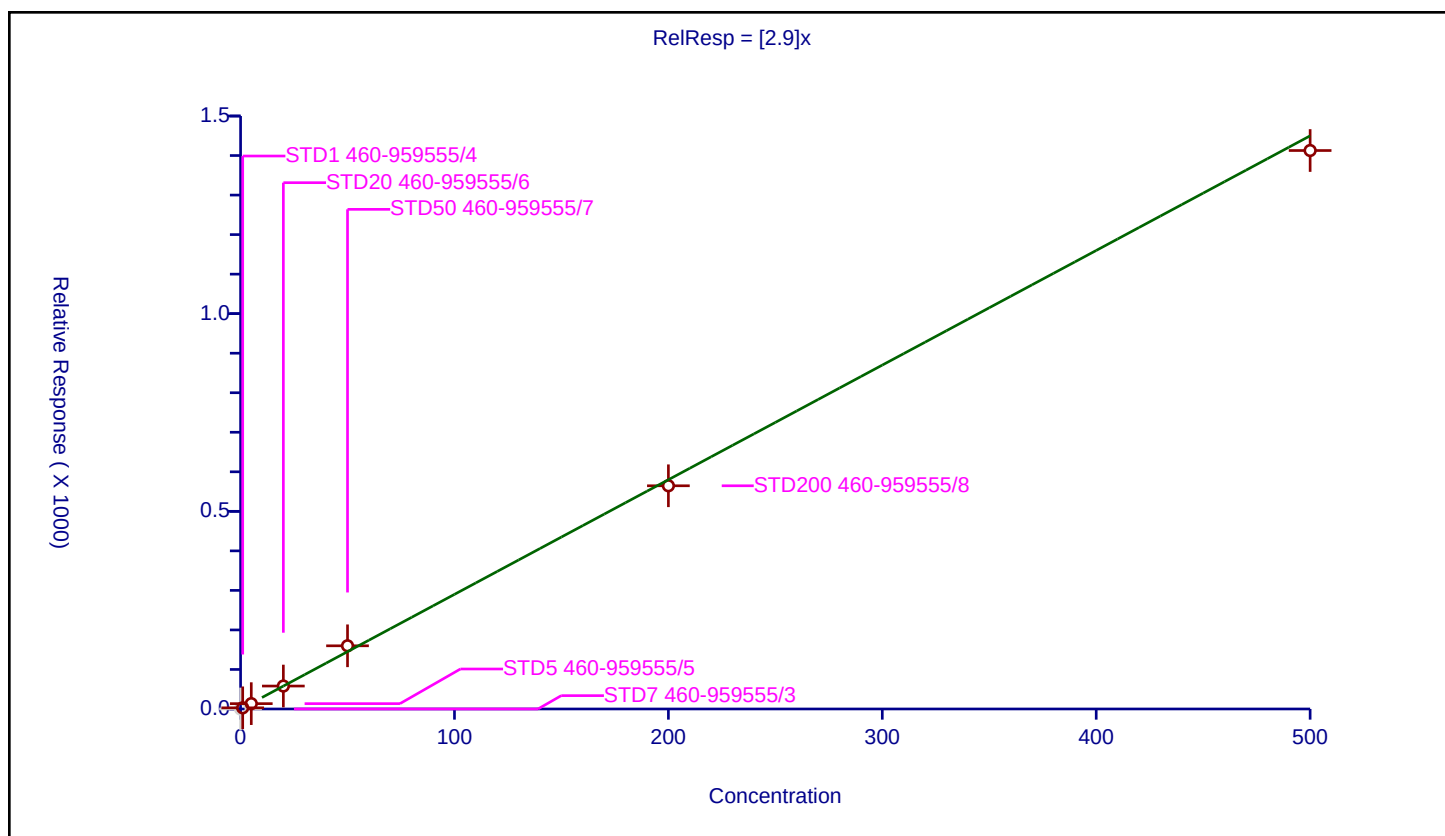
Curve Coefficients

Intercept: 0
Slope: 2.9

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.951292	50.0	248010.0	2.951292	Y
3	STD5 460-959555/5	5.0	13.503629	50.0	243342.0	2.700726	Y
4	STD20 460-959555/6	20.0	58.027657	50.0	239142.0	2.901383	Y
5	STD50 460-959555/7	50.0	159.830185	50.0	227600.0	3.196604	Y
6	STD200 460-959555/8	200.0	564.612314	50.0	262029.0	2.823062	Y
7	STD500 460-959555/9	500.0	1412.740794	50.0	270823.0	2.825482	Y



Calibration

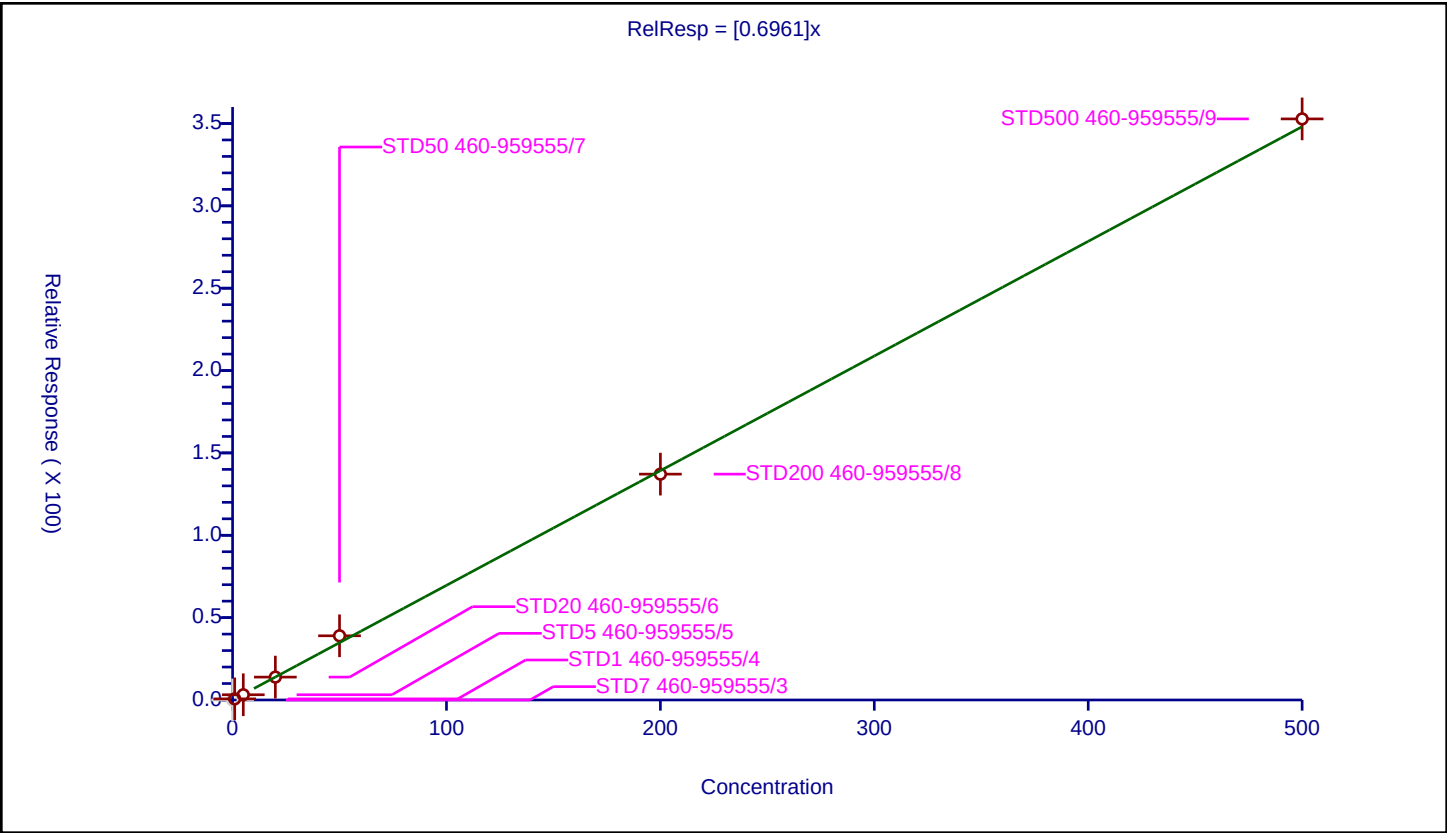
/ sec-Butylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	0.6961
Error Coefficients	

Relative Standard Deviation: 6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.676586	50.0	248010.0	0.676586	Y
3	STD5 460-959555/5	5.0	3.173928	50.0	243342.0	0.634786	Y
4	STD20 460-959555/6	20.0	13.895719	50.0	239142.0	0.694786	Y
5	STD50 460-959555/7	50.0	38.97935	50.0	227600.0	0.779587	Y
6	STD200 460-959555/8	200.0	137.119555	50.0	262029.0	0.685598	Y
7	STD500 460-959555/9	500.0	352.776721	50.0	270823.0	0.705553	Y



Calibration

/ 4-Isopropyltoluene

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

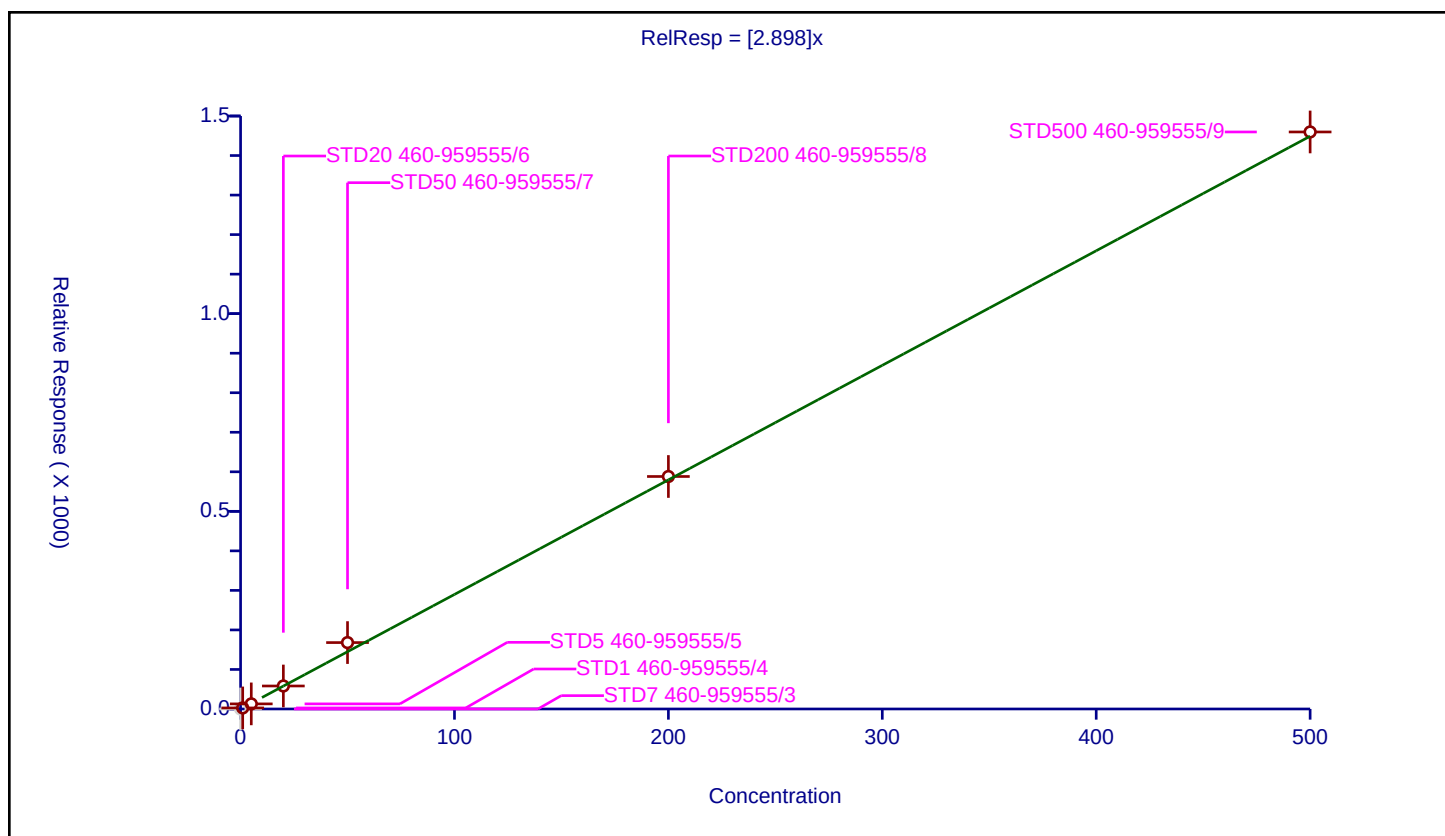
Curve Coefficients

Intercept: 0
Slope: 2.898

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.672674	50.0	248010.0	2.672674	Y
3	STD5 460-959555/5	5.0	12.923581	50.0	243342.0	2.584716	Y
4	STD20 460-959555/6	20.0	58.181332	50.0	239142.0	2.909067	Y
5	STD50 460-959555/7	50.0	168.012302	50.0	227600.0	3.360246	Y
6	STD200 460-959555/8	200.0	588.14635	50.0	262029.0	2.940732	Y
7	STD500 460-959555/9	500.0	1459.680123	50.0	270823.0	2.91936	Y



Calibration

/ 1,3-Dichlorobenzene

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

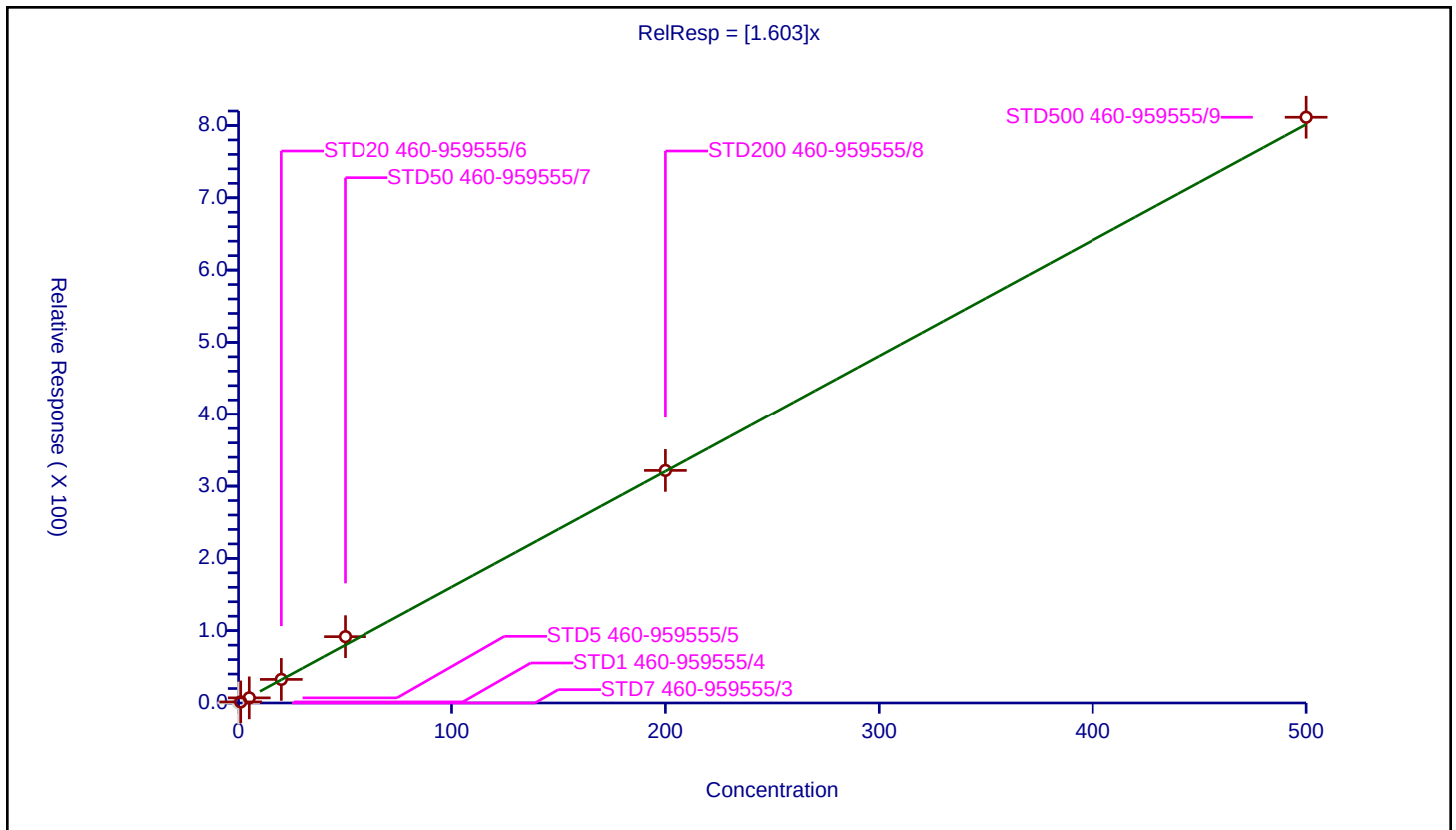
Curve Coefficients

Intercept: 0
Slope: 1.603

Error Coefficients

Relative Standard Deviation: 8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	1.505181	50.0	248010.0	1.505181	Y
3	STD5 460-959555/5	5.0	7.082624	50.0	243342.0	1.416525	Y
4	STD20 460-959555/6	20.0	32.633749	50.0	239142.0	1.631687	Y
5	STD50 460-959555/7	50.0	91.73594	50.0	227600.0	1.834719	Y
6	STD200 460-959555/8	200.0	321.648749	50.0	262029.0	1.608244	Y
7	STD500 460-959555/9	500.0	811.403943	50.0	270823.0	1.622808	Y



Calibration

/ 1,4-Dichlorobenzene

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

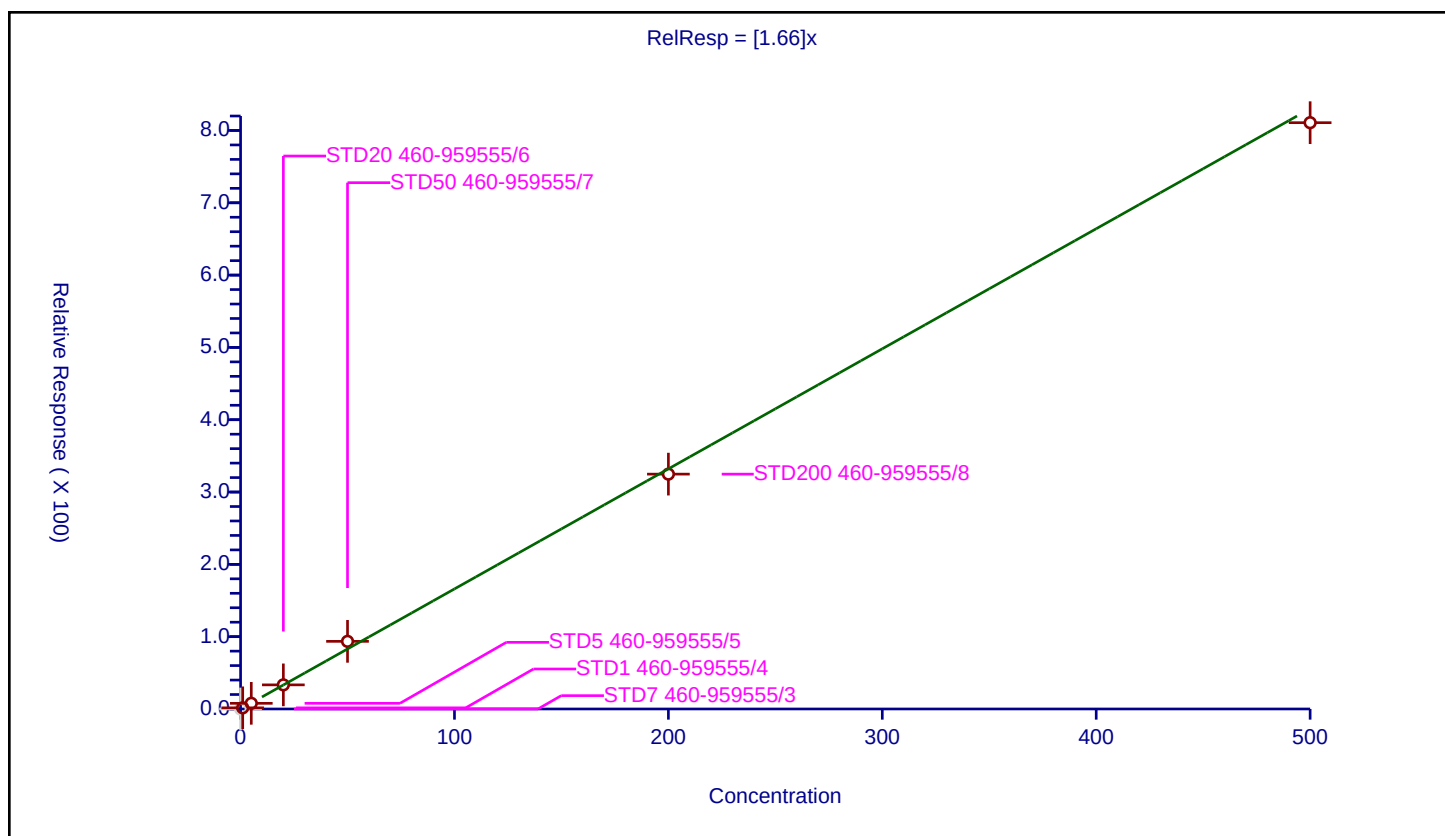
Curve Coefficients

Intercept: 0
Slope: 1.66

Error Coefficients

Relative Standard Deviation: 6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	1.609209	50.0	248010.0	1.609209	Y
3	STD5 460-959555/5	5.0	7.839995	50.0	243342.0	1.567999	Y
4	STD20 460-959555/6	20.0	33.372013	50.0	239142.0	1.668601	Y
5	STD50 460-959555/7	50.0	93.535369	50.0	227600.0	1.870707	Y
6	STD200 460-959555/8	200.0	324.77264	50.0	262029.0	1.623863	Y
7	STD500 460-959555/9	500.0	810.793396	50.0	270823.0	1.621587	Y



Calibration

/ 1,2,3-Trimethylbenzene

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

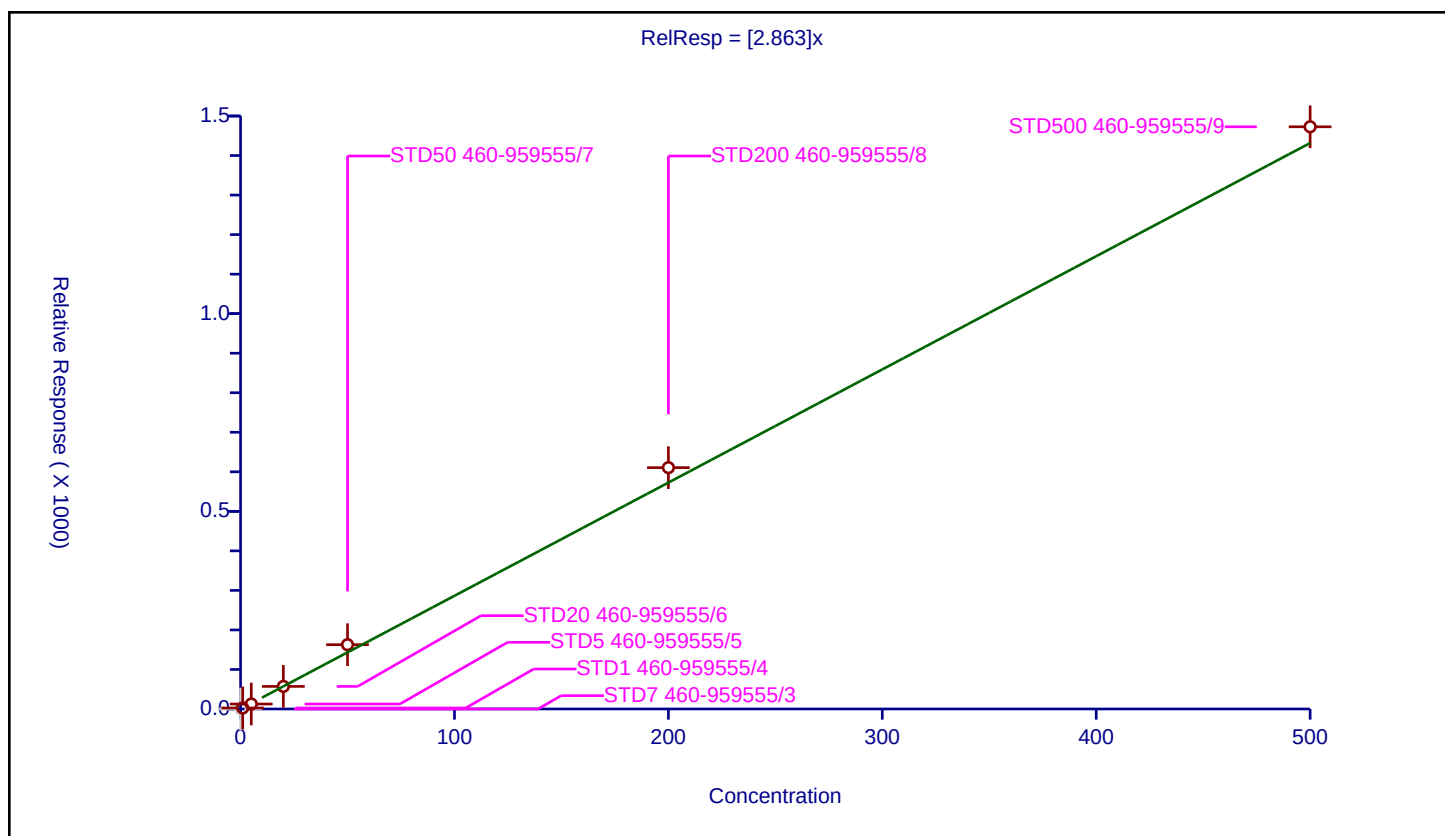
Curve Coefficients

Intercept: 0
Slope: 2.863

Error Coefficients

Relative Standard Deviation: 10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	2.559171	50.0	248010.0	2.559171	Y
3	STD5 460-959555/5	5.0	12.57284	50.0	243342.0	2.514568	Y
4	STD20 460-959555/6	20.0	57.075712	50.0	239142.0	2.853786	Y
5	STD50 460-959555/7	50.0	162.689807	50.0	227600.0	3.253796	Y
6	STD200 460-959555/8	200.0	610.515248	50.0	262029.0	3.052576	Y
7	STD500 460-959555/9	500.0	1472.757668	50.0	270823.0	2.945515	Y



Calibration

/ Benzyl chloride

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

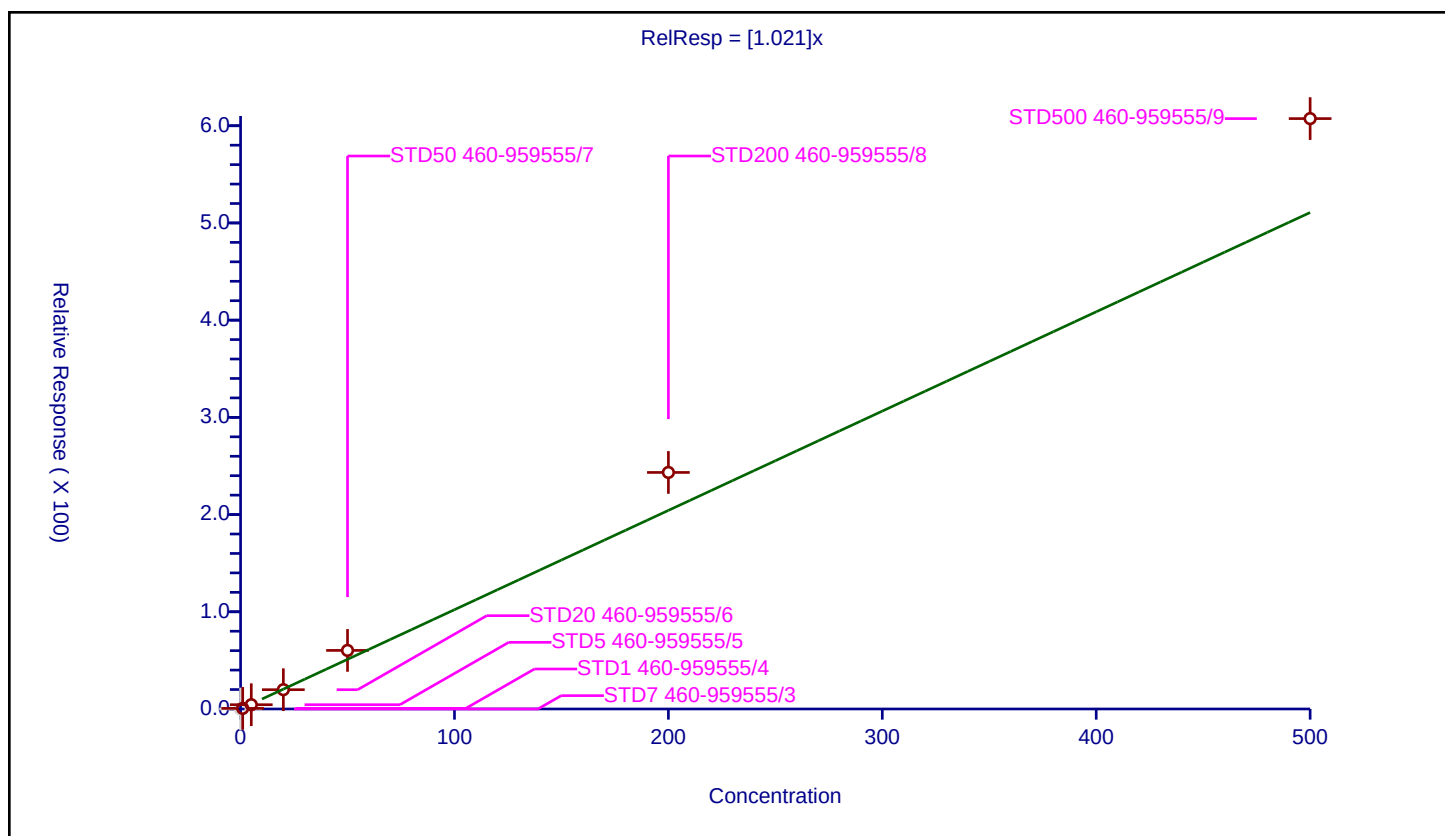
Curve Coefficients

Intercept: 0
Slope: 1.021

Error Coefficients

Relative Standard Deviation: 23.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.620338	50.0	248010.0	0.620338	Y
3	STD5 460-959555/5	5.0	4.397515	50.0	243342.0	0.879503	Y
4	STD20 460-959555/6	20.0	19.854313	50.0	239142.0	0.992716	Y
5	STD50 460-959555/7	50.0	60.243629	50.0	227600.0	1.204873	Y
6	STD200 460-959555/8	200.0	243.34234	50.0	262029.0	1.216712	Y
7	STD500 460-959555/9	500.0	607.342249	50.0	270823.0	1.214684	Y



Calibration

/ n-Butylbenzene

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

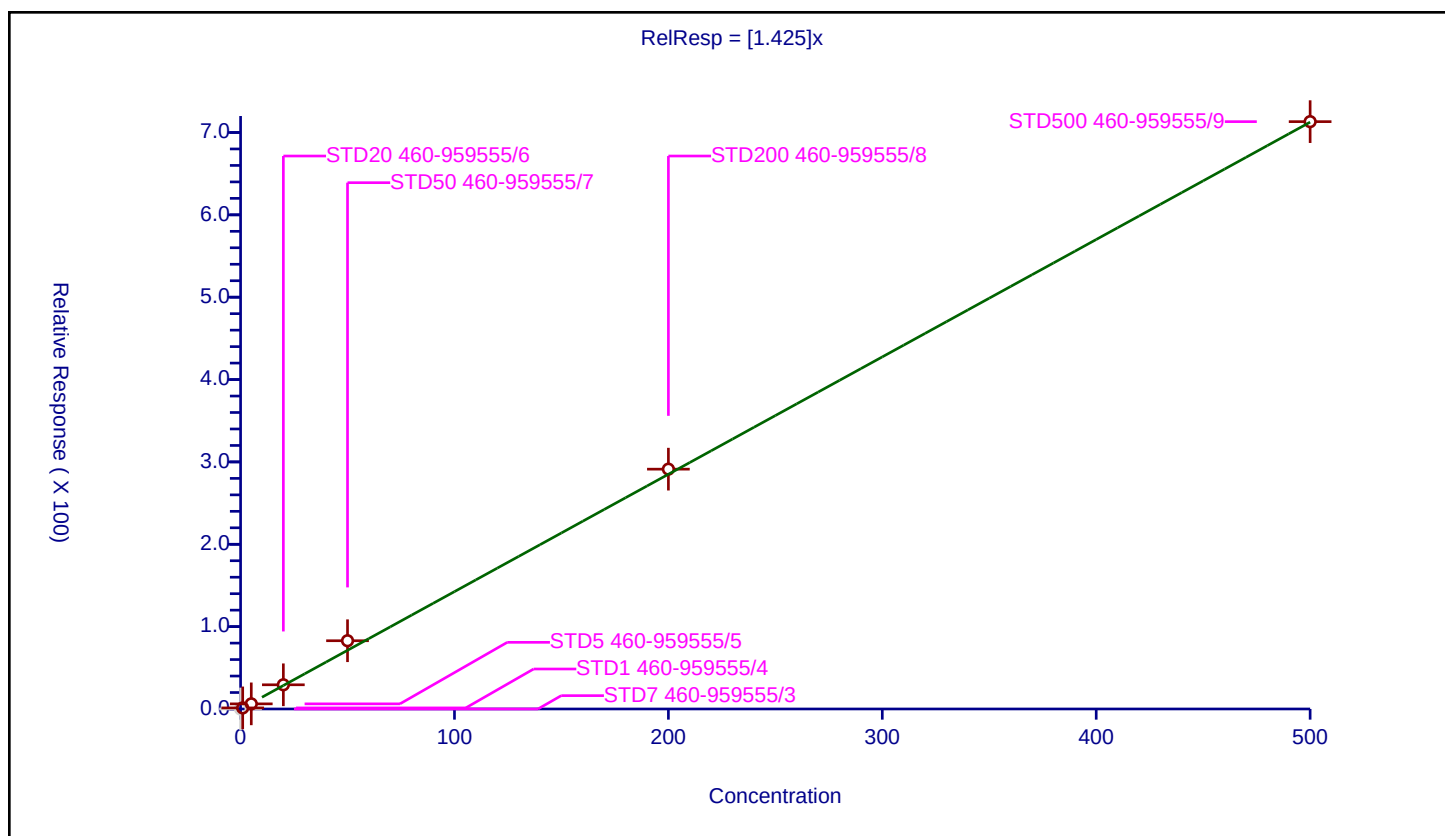
Curve Coefficients

Intercept: 0
Slope: 1.425

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	1.297327	50.0	248010.0	1.297327	Y
3	STD5 460-959555/5	5.0	6.217998	50.0	243342.0	1.2436	Y
4	STD20 460-959555/6	20.0	29.391324	50.0	239142.0	1.469566	Y
5	STD50 460-959555/7	50.0	82.885984	50.0	227600.0	1.65772	Y
6	STD200 460-959555/8	200.0	291.201356	50.0	262029.0	1.456007	Y
7	STD500 460-959555/9	500.0	713.171149	50.0	270823.0	1.426342	Y



Calibration

/ 1,2-Dichlorobenzene

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

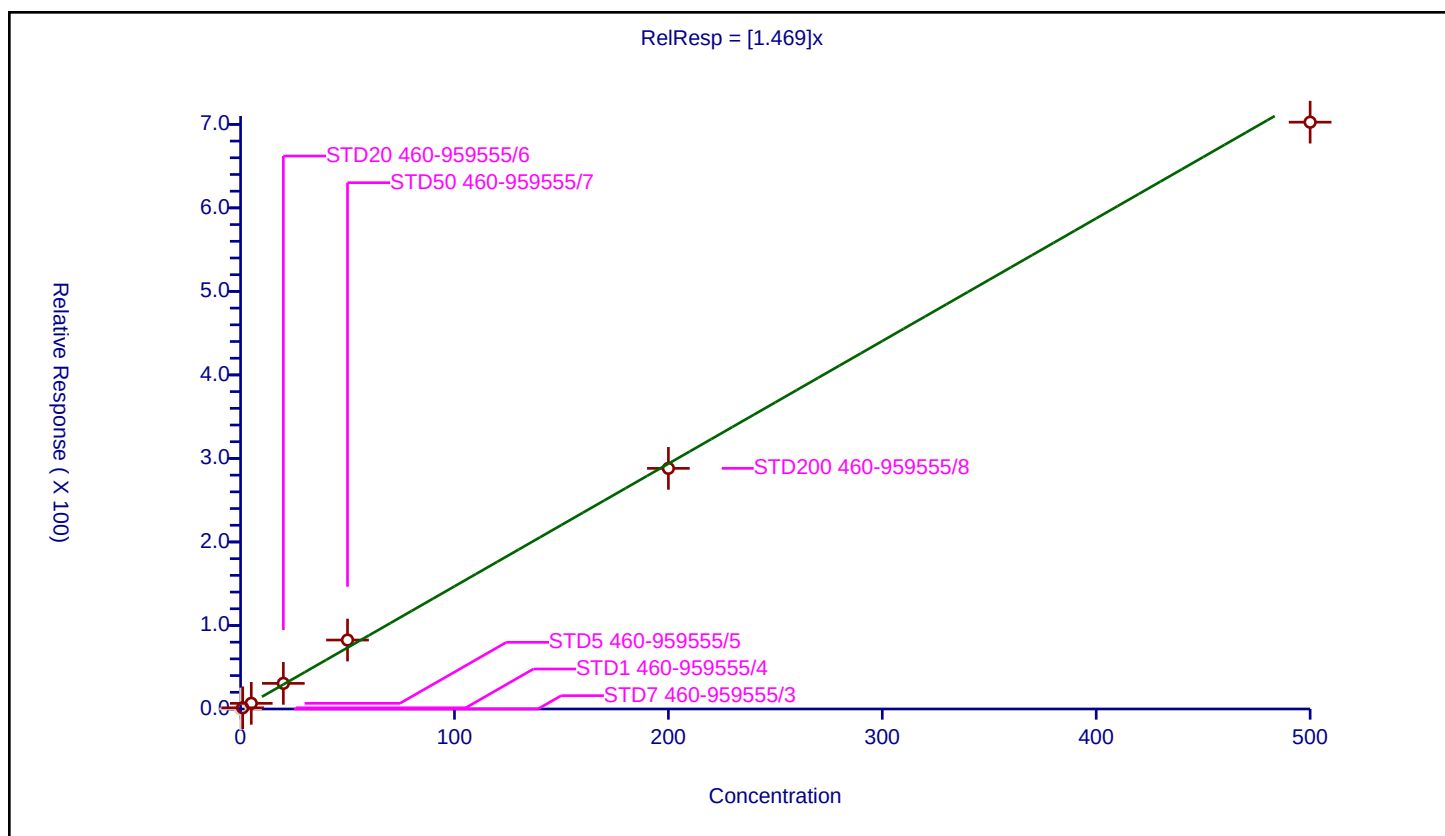
Curve Coefficients

Intercept: 0
Slope: 1.469

Error Coefficients

Relative Standard Deviation: 7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	1.428571	50.0	248010.0	1.428571	Y
3	STD5 460-959555/5	5.0	6.767019	50.0	243342.0	1.353404	Y
4	STD20 460-959555/6	20.0	30.656472	50.0	239142.0	1.532824	Y
5	STD50 460-959555/7	50.0	82.538445	50.0	227600.0	1.650769	Y
6	STD200 460-959555/8	200.0	288.101126	50.0	262029.0	1.440506	Y
7	STD500 460-959555/9	500.0	702.639916	50.0	270823.0	1.40528	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

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

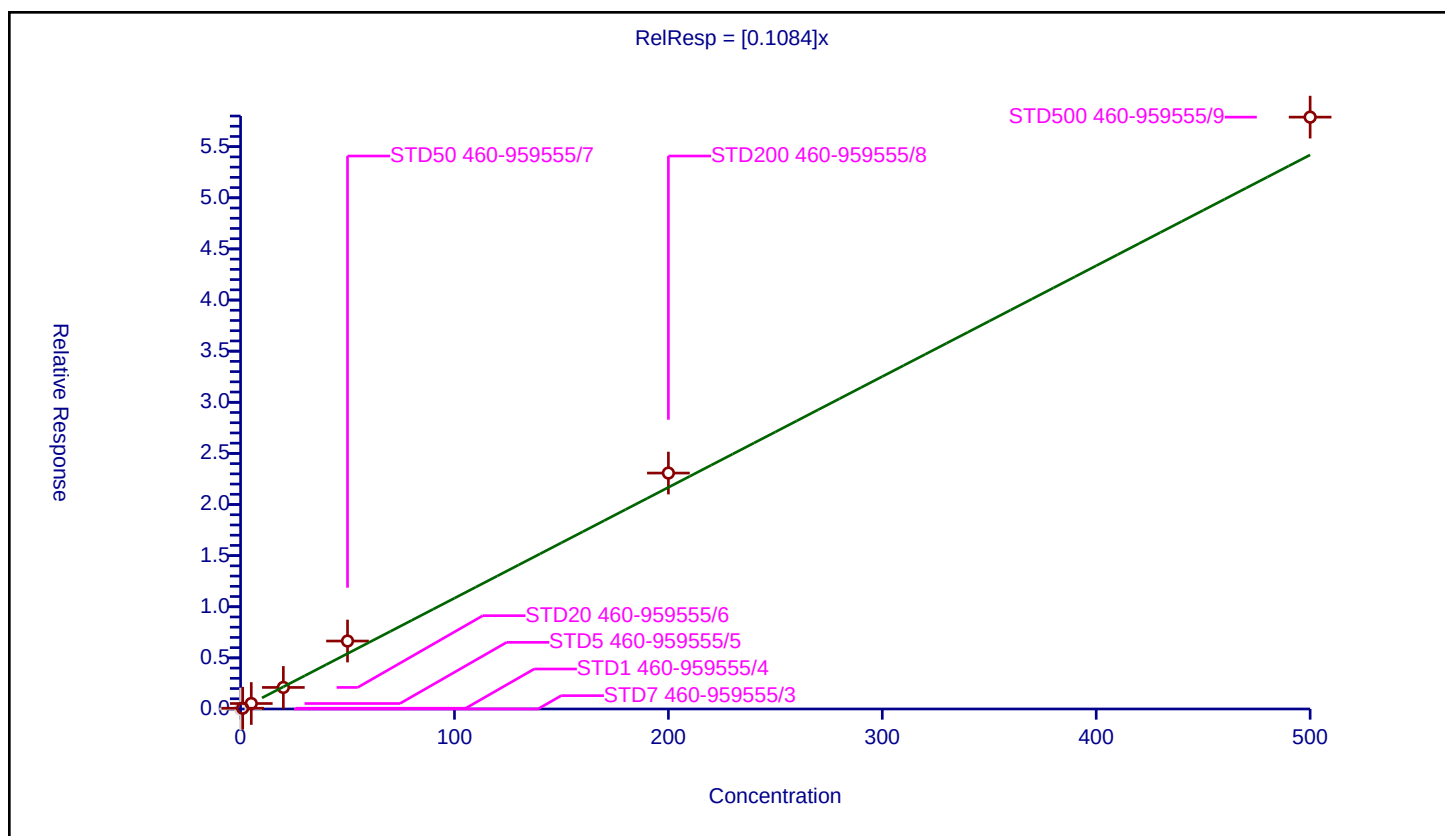
Curve Coefficients

Intercept: 0
Slope: 0.1084

Error Coefficients

Relative Standard Deviation: 18.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.073787	50.0	248010.0	0.073787	Y
3	STD5 460-959555/5	5.0	0.535049	50.0	243342.0	0.10701	Y
4	STD20 460-959555/6	20.0	2.10858	50.0	239142.0	0.105429	Y
5	STD50 460-959555/7	50.0	6.647627	50.0	227600.0	0.132953	Y
6	STD200 460-959555/8	200.0	23.077789	50.0	262029.0	0.115389	Y
7	STD500 460-959555/9	500.0	57.889286	50.0	270823.0	0.115779	Y



Calibration

/ 1,2,4-Trichlorobenzene

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

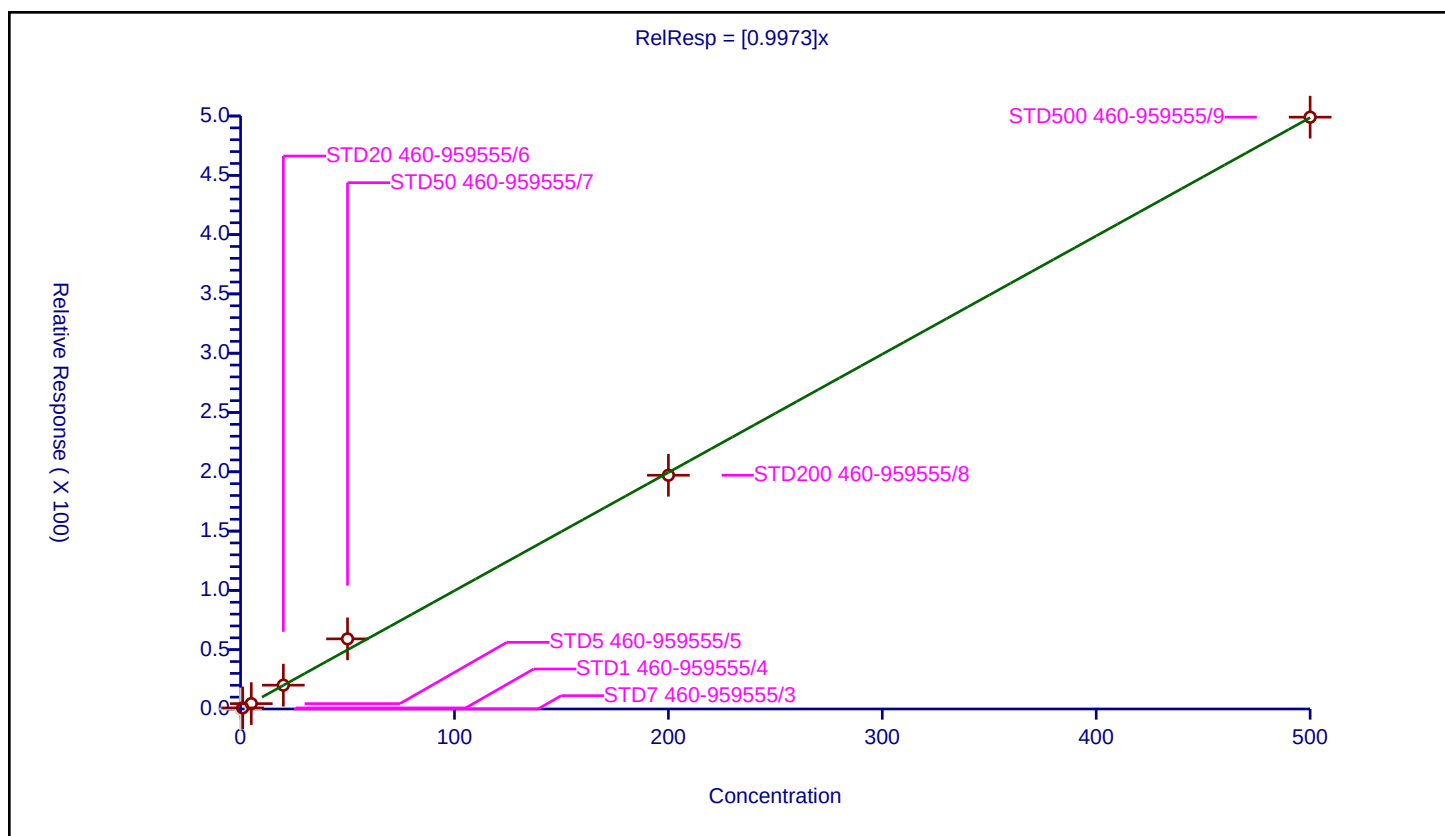
Curve Coefficients

Intercept: 0
Slope: 0.9973

Error Coefficients

Relative Standard Deviation: 10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.906818	50.0	248010.0	0.906818	Y
3	STD5 460-959555/5	5.0	4.531277	50.0	243342.0	0.906255	Y
4	STD20 460-959555/6	20.0	20.09141	50.0	239142.0	1.004571	Y
5	STD50 460-959555/7	50.0	59.115334	50.0	227600.0	1.182307	Y
6	STD200 460-959555/8	200.0	197.09784	50.0	262029.0	0.985489	Y
7	STD500 460-959555/9	500.0	499.034055	50.0	270823.0	0.998068	Y



Calibration

/ Hexachlorobutadiene

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

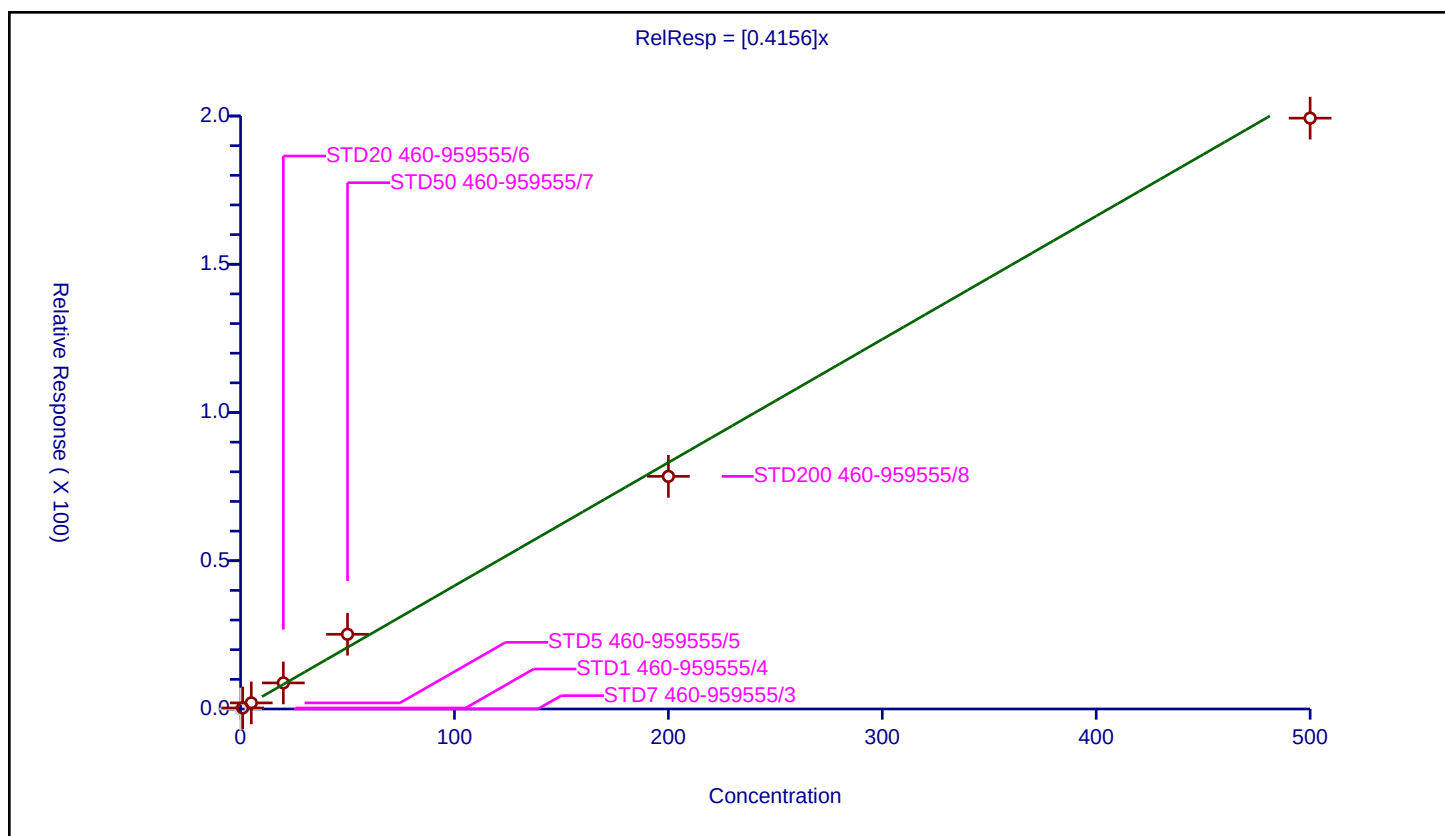
Curve Coefficients

Intercept: 0
Slope: 0.4156

Error Coefficients

Relative Standard Deviation: 12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.348373	50.0	248010.0	0.348373	Y
3	STD5 460-959555/5	5.0	2.054927	50.0	243342.0	0.410985	Y
4	STD20 460-959555/6	20.0	8.792475	50.0	239142.0	0.439624	Y
5	STD50 460-959555/7	50.0	25.196837	50.0	227600.0	0.503937	Y
6	STD200 460-959555/8	200.0	78.45811	50.0	262029.0	0.392291	Y
7	STD500 460-959555/9	500.0	199.279419	50.0	270823.0	0.398559	Y



Calibration

/ Naphthalene

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

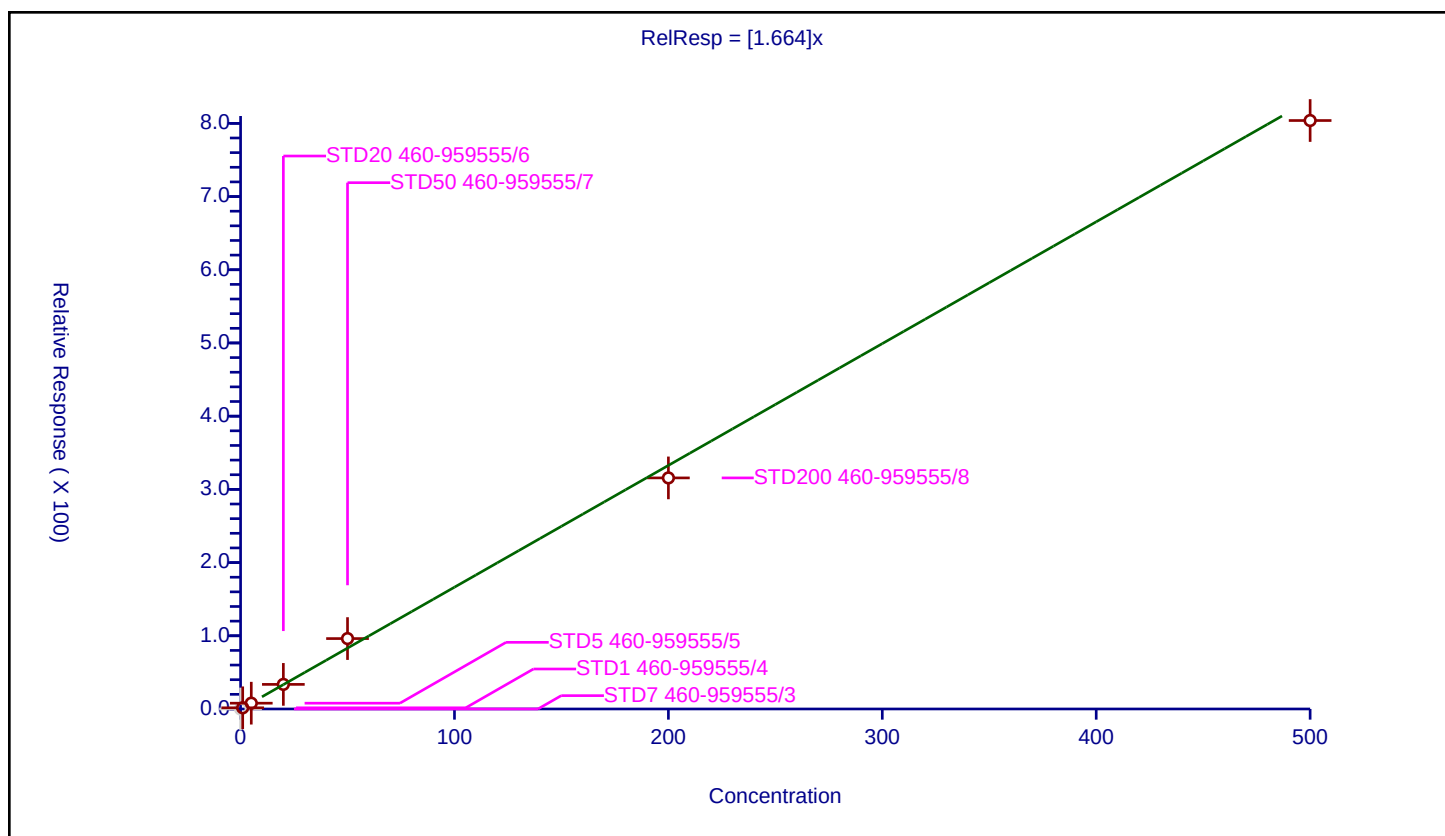
Curve Coefficients

Intercept: 0
Slope: 1.664

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	1.605177	50.0	248010.0	1.605177	Y
3	STD5 460-959555/5	5.0	7.931224	50.0	243342.0	1.586245	Y
4	STD20 460-959555/6	20.0	33.620192	50.0	239142.0	1.68101	Y
5	STD50 460-959555/7	50.0	96.193761	50.0	227600.0	1.923875	Y
6	STD200 460-959555/8	200.0	315.639681	50.0	262029.0	1.578198	Y
7	STD500 460-959555/9	500.0	803.826669	50.0	270823.0	1.607653	Y



Calibration

/ 1,2,3-Trichlorobenzene

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

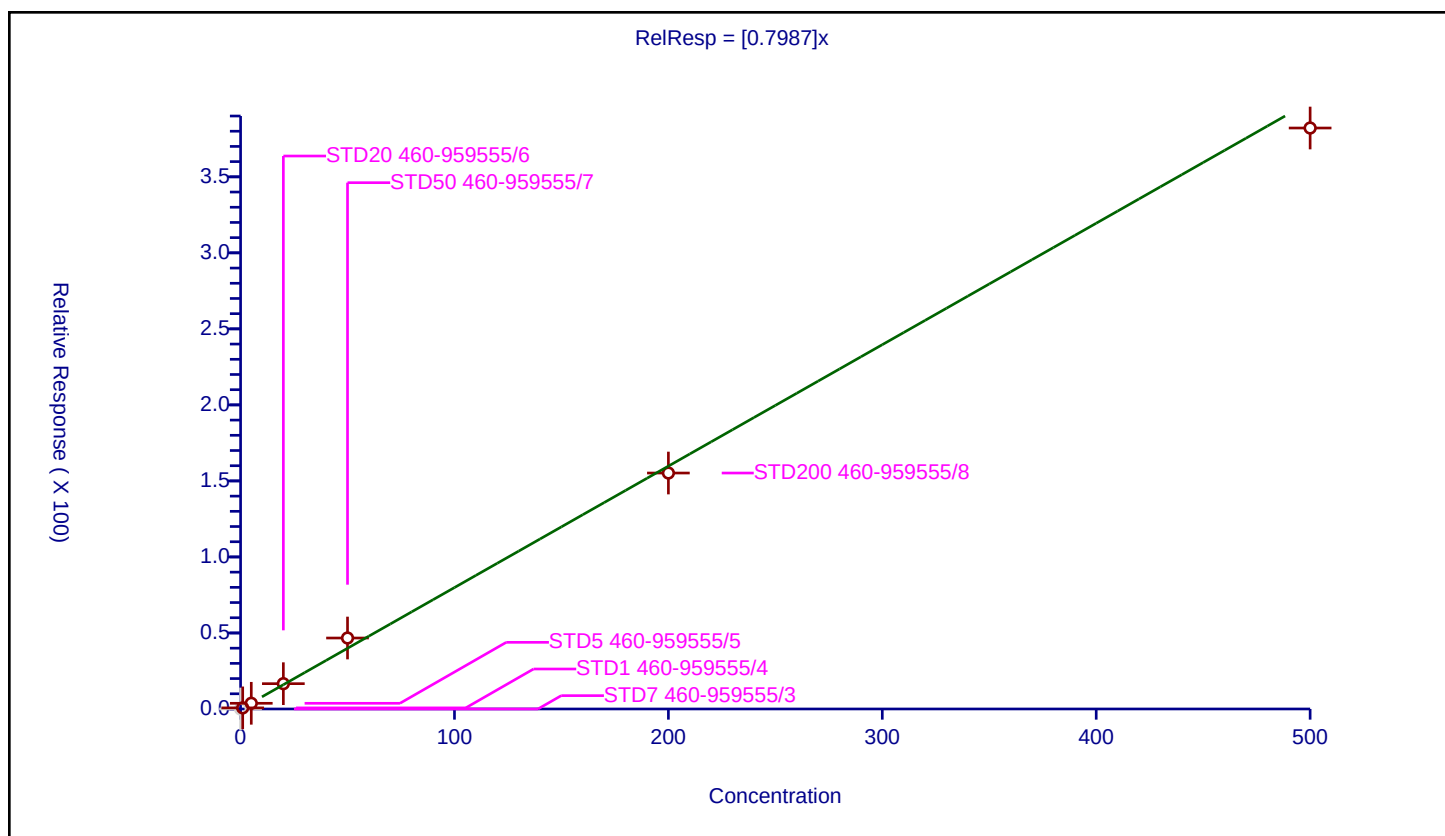
Curve Coefficients

Intercept: 0
Slope: 0.7987

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-959555/3	0.0	0.0	50.0	249337.0	NaN	N
2	STD1 460-959555/4	1.0	0.736261	50.0	248010.0	0.736261	Y
3	STD5 460-959555/5	5.0	3.747401	50.0	243342.0	0.74948	Y
4	STD20 460-959555/6	20.0	16.651195	50.0	239142.0	0.83256	Y
5	STD50 460-959555/7	50.0	46.680141	50.0	227600.0	0.933603	Y
6	STD200 460-959555/8	200.0	155.19828	50.0	262029.0	0.775991	Y
7	STD500 460-959555/9	500.0	382.100117	50.0	270823.0	0.7642	Y



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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-953473/3	V49183.D
Level 2	STD05 460-953473/4	V49184.D
Level 3	STD1 460-953473/16	V49196.D
Level 4	STD5 460-953473/6	V49186.D
Level 5	STD20 460-953473/7	V49187.D
Level 6	STD50 460-953473/8	V49188.D
Level 7	STD200 460-953473/9	V49189.D
Level 8	STD500 460-953473/10	V49190.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	+++++ 0.5343	+++++ 0.6004	0.5269 0.5689	0.5176	0.4826	Ave		0.538 5				7.6		35.0			
Chloromethane	+++++ 0.6033	+++++ 0.6580	0.6586 0.6535	0.6384	0.6149	Ave		0.637 8				3.7		35.0			
Vinyl chloride	+++++ 0.6191	+++++ 0.6717	0.6625 0.6519	0.6703	0.6486	Ave		0.654 0				3.0		35.0			
Butadiene	0.5339 0.6584	0.5880 0.6462	0.6021 0.6612	0.6211	0.6284	Ave		0.617 4				6.9		35.0			
Bromomethane	+++++ 0.2818	+++++ 0.3384	0.3030 0.3701	0.2636	0.2687	Ave		0.304 3				13.9		35.0			
Ethyl Chloride	+++++ 0.3978	+++++ 0.4026	0.4529 0.4044	0.3941	0.4035	Ave		0.409 2				5.3		35.0			
Trichlorofluoromethane	+++++ 0.6730	+++++ 0.6664	0.5993 0.6529	0.6895	0.6741	Ave		0.659 2				4.8		35.0			
Pentane	+++++ 0.0867	+++++ 0.0609	0.0877 0.0636	0.0912	0.0887	Ave		0.079 8				17.2		35.0			
Ethanol	+++++ 0.6348	+++++ 0.5312	+++++ 0.5149	0.6583	0.6186	Ave		0.591 6				10.9		35.0			
Ethyl ether	+++++ 0.2655	+++++ 0.2512	0.3984 0.2549	0.3117	0.2917	Ave		0.295 6				18.8		35.0			
2-Methyl-1,3-butadiene	+++++ 0.4879	+++++ 0.4190	0.5367 0.4316	0.5312	0.4906	Ave		0.482 8				10.2		35.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.4203	+++++ 0.3619	0.4458 0.3553	0.4348	0.4092	Ave		0.404 6				9.3		35.0			
Acrolein	+++++ 0.0391	+++++ 0.0432	0.0266 0.0472	0.0306	0.0399	Ave		0.037 8				20.6		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethene	++++ 0.4094	++++ 0.3302	0.4212 0.3311	0.4194	0.4134	Ave		0.387 4				11.4		35.0			
Acetone	++++ 1.2256	++++ 1.1107	1.5565 1.8526	1.5082	1.4079	Ave		1.443 6				18.2		35.0			
Iodomethane	++++ 0.4206	++++ 0.4190	0.1626 0.3733	0.2992	0.3552	Lin2	-0.23 4	0.388 1				9.0					
Isopropyl alcohol	++++ 7.6034	++++ 6.9389	10.220 6.3428	8.2408	7.2769	Ave		7.770 5				17.5		35.0			
Carbon disulfide	++++ 1.4238	1.7023 ++++	1.7238 ++++	1.4964	1.4428	Ave		1.557 8				9.3		35.0			
3-Chloro-1-propene	++++ 0.3146	++++ 0.2760	0.3540 0.2669	0.3166	0.3232	Ave		0.308 5				10.4		35.0			
Methyl acetate	++++ 0.3208	++++ 0.3188	0.4176 0.3276	0.3560	0.3288	Ave		0.344 9				11.0		35.0			
Acetonitrile	++++ 0.5616	++++ 0.5401	0.3321 0.5998	0.3883	0.5282	Ave		0.491 7				21.6		35.0			
Methylene Chloride	++++ 0.4439	++++ 0.4158	0.5145 0.4114	0.4868	0.4559	Ave		0.454 7				8.9		35.0			
TBA	14.222 12.869	17.584 ++++	20.432 ++++	15.465	12.770	Ave		15.55 7				19.2		35.0			
MTBE	++++ 1.3200	++++ 1.3316	1.4574 1.3457	1.4230	1.3868	Ave		1.377 4				4.0		35.0			
trans-1,2-Dichloroethene	++++ 0.4517	++++ 0.3931	0.5526 0.3926	0.4660	0.4582	Ave		0.452 4				13.0		35.0			
Acrylonitrile	0.1088 0.1654	0.0969 0.1707	0.1565 0.1760	0.1719	0.1678	Ave		0.151 8				20.4		35.0			
Hexane	++++ 0.7181	++++ 0.4599	0.5668 0.4576	0.7206	0.6796	Ave		0.600 4				20.5		35.0			
Isopropyl ether	++++ 1.6750	++++ 1.6919	1.6858 1.7070	1.7157	1.6992	Ave		1.695 8				0.9		35.0			
1,1-Dichloroethane	++++ 0.9413	++++ 0.8890	0.9252 0.9153	0.9560	0.9333	Ave		0.926 7				2.5		35.0			
Vinyl acetate	++++ 12.332	++++ 11.561	7.5655 10.703	9.9032	10.719	Ave		10.46 4				15.7		35.0			
2,2-Dichloropropane	++++ 0.1614	++++ 0.1537	0.2120 0.1530	0.1894	0.1661	Ave		0.172 6				13.6		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	++++ 0.4980	++++ 0.4660	0.5351 0.4817	0.5257	0.5008	Ave		0.501 2				5.2		35.0			
2-Butanone	++++ 0.5143	++++ 0.4630	0.5536 0.5641	0.5985	0.5211	Ave		0.535 8				8.8		35.0			
Ethyl acetate	++++ 0.4763	++++ 0.4563	0.2063 0.4761	0.4721	0.5070	Lin2	-0.55 3	0.491 2							1.0000		
Tetrahydrofuran	++++ 0.0576	++++ 0.0533	0.0772 0.0543	0.0617	0.0580	Ave		0.060 4				14.6		35.0			
Chlorobromomethane	++++ 0.2200	++++ 0.2057	0.2815 0.2018	0.2333	0.2230	Ave		0.227 6				12.7		35.0			
Chloroform	++++ 0.8060	++++ 0.7852	0.8622 0.8083	0.8718	0.8174	Ave		0.825 2				4.1		35.0			
Cyclohexane	++++ 0.7637	++++ 0.5836	0.6436 0.5897	0.7577	0.7206	Ave		0.676 5				12.1		35.0			
1,1,1-Trichloroethane	++++ 0.7263	++++ 0.6841	0.8129 0.6955	0.7550	0.7362	Ave		0.735 0				6.3		35.0			
Carbon tetrachloride	++++ 0.6264	++++ 0.5715	0.6210 0.5750	0.6546	0.6336	Ave		0.613 7				5.4		35.0			
1,1-Dichloropropene	++++ 0.7010	++++ 0.6241	0.6973 0.6329	0.7065	0.7167	Ave		0.679 7				5.9		35.0			
Benzene	++++ 2.8871	++++ 2.6006	2.7413 2.7728	2.8059	2.8003	Ave		2.768 0				3.4		35.0			
Isopropyl acetate	++++ 0.4164	++++ 0.4181	0.4600 0.4181	0.4135	0.4214	Ave		0.424 6				4.1		35.0			
1,2-Dichloroethane	++++ 0.6438	++++ 0.6173	0.8184 0.6323	0.6943	0.6582	Ave		0.677 4				10.9		35.0			
n-Heptane	++++ 0.3092	++++ 0.2129	0.2290 0.2147	0.2963	0.2938	Ave		0.259 3				17.3		35.0			
n-Butanol	++++ 2.7816	++++ 2.9969	++++ 2.8382	++++	2.2019	Ave		2.704 7				12.8		35.0			
Trichloroethene	++++ 0.4839	++++ 0.4406	0.4565 0.4450	0.4856	0.4749	Ave		0.464 4				4.2		35.0			
Methylcyclohexane	++++ 0.8137	++++ 0.6365	0.6512 0.6342	0.7659	0.7660	Ave		0.711 2				11.2		35.0			
Ethyl acrylate	++++ 0.0689	++++ 0.0632	0.0711 0.0607	0.0727	0.0639	Ave		0.066 8				7.3		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	++++ 0.5079	++++ 0.4933	0.5451 0.4961	0.5113	0.5194	Ave		0.512 2				3.7		35.0			
Methyl methacrylate	++++ 0.1250	++++ 0.1201	0.0972 0.1156	0.1274	0.1202	Ave		0.117 6				9.2		35.0			
1,4-Dioxane	++++ 2.0074	++++ 3.0682	4.3495 3.9803	2.7188	2.0729	Ave		3.032 8				32.0		35.0			
Dibromomethane	++++ 0.2730	++++ 0.2621	0.3299 0.2598	0.2921	0.2696	Ave		0.281 1				9.4		35.0			
n-Propyl acetate	++++ 0.6766	++++ 0.6853	0.5371 0.6618	0.5949	0.6797	Ave		0.639 2				9.4		35.0			
Bromodichloromethane	++++ 0.6218	++++ 0.6132	0.7145 0.6130	0.6176	0.6374	Ave		0.636 2				6.2		35.0			
2-Chloroethyl vinyl ether	++++ 0.2590	++++ 0.2607	0.2814 0.2617	0.2553	0.2516	Ave		0.261 6				4.0		35.0			
Epichlorohydrin	0.3558 0.4972	0.2872 0.4229	0.4810 0.4296	0.4790	0.4808	Ave		0.429 2				17.2		35.0			
cis-1,3-Dichloropropene	++++ 1.1996	++++ 1.1306	1.1923 1.1573	1.2155	1.1921	Ave		1.181 2				2.6		35.0			
4-Methyl-2-pentanone	++++ 4.7454	++++ 4.2418	4.5846 4.3207	5.2720	4.7804	Ave		4.657 5				8.0		35.0			
Toluene	++++ 2.9236	++++ 2.7053	3.0289 2.8351	3.0677	2.9118	Ave		2.912 1				4.5		35.0			
trans-1,3-Dichloropropene	++++ 1.0990	++++ 1.0405	1.0745 1.0507	1.0791	1.0761	Ave		1.070 0				2.0		35.0			
1,1,2-Trichloroethane	++++ 0.4998	++++ 0.4758	0.4205 0.4747	0.4972	0.4890	Ave		0.476 2				6.1		35.0			
Tetrachloroethene	++++ 0.6584	++++ 0.5773	0.6727 0.5953	0.6463	0.6417	Ave		0.632 0				5.9		35.0			
1,3-Dichloropropane	++++ 1.0559	++++ 0.9963	1.0229 0.9956	1.0750	1.0344	Ave		1.030 0				3.1		35.0			
2-Hexanone	++++ 3.1181	++++ 2.7864	2.6986 3.0286	3.0795	3.2246	Ave		2.989 3				6.8		35.0			
n-Butyl acetate	++++ 1.0529	++++ 1.0128	1.1505 0.9675	0.7901	1.0681	Ave		1.007 0				12.2		35.0			
Dibromochloromethane	++++ 0.6266	++++ 0.6042	0.5926 0.6060	0.6013	0.6276	Ave		0.609 7				2.3		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethylene Dibromide	++++ 0.5805	++++ 0.5372	0.5994 0.5329	0.5904	0.5697	Ave		0.568 3				4.9		35.0			
Chlorobenzene	++++ 1.7405	++++ 1.6508	1.6786 1.7109	1.7662	1.7271	Ave		1.712 3				2.5		35.0			
Ethylbenzene	++++ 0.9697	++++ 0.9126	0.9906 0.9459	0.9367	0.9751	Ave		0.955 1				3.0		35.0			
1,1,1,2-Tetrachloroethane	++++ 0.6124	++++ 0.5928	0.5671 0.6043	0.5997	0.6119	Ave		0.598 0				2.8		35.0			
m-Xylene & p-Xylene	++++ 1.1958	++++ 1.1184	1.2567 1.1588	1.1849	1.2012	Ave		1.186 0				3.9		35.0			
o-Xylene	++++ 1.1823	++++ 1.1048	1.1692 1.1447	1.1662	1.1642	Ave		1.155 2				2.4		35.0			
n-Butyl acrylate	++++ 0.5228	++++ 0.5182	0.5309 0.5200	0.4954	0.5112	Ave		0.516 4				2.3		35.0			
Styrene	++++ 1.9022	++++ 1.8672	1.8222 1.9592	1.9263	1.8485	Ave		1.887 6				2.7		35.0			
Bromoform	++++ 0.3968	++++ 0.3899	0.3794 0.4015	0.4065	0.3915	Ave		0.394 3				2.4		35.0			
Amyl acetate (mixed isomers)	++++ 2.5801	++++ 2.5236	1.9531 2.5440	2.4258	2.6098	Ave		2.439 4				10.1		35.0			
Isopropylbenzene	++++ 3.0267	++++ 2.9013	2.8574 2.6030	2.9655	3.0120	Ave		2.894 3				5.4		35.0			
Bromobenzene	++++ 1.4383	++++ 1.3314	1.4184 1.3851	1.4213	1.4630	Ave		1.409 6				3.3		35.0			
1,1,2,2-Tetrachloroethane	++++ 1.5310	++++ 1.5142	1.6142 1.5527	1.5958	1.5722	Ave		1.563 3				2.4		35.0			
N-Propylbenzene	++++ 7.7511	++++ 7.4651	7.1478 5.8009	7.6188	7.6098	Ave		7.232 3				10.1		35.0			
1,2,3-Trichloropropane	++++ 0.4261	++++ 0.4032	0.5231 0.4034	0.5241	0.4402	Ave		0.453 4				12.4		35.0			
2-Chlorotoluene	++++ 5.1061	++++ 4.9925	4.8517 5.0157	5.0752	5.1402	Ave		5.030 2				2.1		35.0			
1,3,5-Trimethylbenzene	++++ 5.0307	++++ 4.9412	4.8030 4.8747	5.2558	5.1261	Ave		5.005 2				3.3		35.0			
4-Chlorotoluene	++++ 4.8053	++++ 4.6483	4.7190 4.9966	5.1015	4.9371	Ave		4.868 0				3.6		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	++++ 1.7264	++++ 1.7760	1.4823 1.8676	1.6202	1.7143	Ave		1.697 8				7.8		35.0			
tert-Butylbenzene	++++ 4.3221	++++ 4.1426	3.8819 4.4061	4.3202	4.2729	Ave		4.224 3				4.5		35.0			
1,2,4-Trimethylbenzene	++++ 5.0578	++++ 5.0957	4.8767 4.7941	4.9289	5.0254	Ave		4.963 1				2.3		35.0			
sec-Butylbenzene	++++ 6.3108	++++ 6.0644	5.5996 5.1761	6.0673	6.1740	Ave		5.898 7				7.2		35.0			
4-Isopropyltoluene	++++ 5.2580	++++ 5.2802	4.5661 5.0033	4.9277	5.0808	Ave		5.019 3				5.2		35.0			
1,3-Dichlorobenzene	++++ 2.6734	++++ 2.6232	2.6874 2.9411	2.7339	2.6692	Ave		2.721 4				4.2		35.0			
1,4-Dichlorobenzene	++++ 2.6505	++++ 2.6393	2.6722 2.9163	2.6886	2.6765	Ave		2.707 3				3.8		35.0			
1,2,3-Trimethylbenzene	++++ 5.1225	++++ 5.2844	5.2081 4.9973	5.1259	5.1750	Ave		5.152 2				1.9		35.0			
Benzyl chloride	++++ 3.1215	++++ 3.0526	2.7944 3.1865	3.0152	3.0505	Ave		3.036 8				4.4		35.0			
n-Butylbenzene	++++ 2.4659	++++ 2.4747	2.2959 2.7690	2.3339	2.3775	Ave		2.452 8				6.9		35.0			
1,2-Dichlorobenzene	++++ 2.5073	++++ 2.4227	2.6545 2.6309	2.5922	2.4969	Ave		2.550 8				3.5		35.0			
1,2-Dibromo-3-Chloropropane	++++ 0.2996	++++ 0.2991	0.4263 0.2959	0.3093	0.3336	Ave		0.327 3				15.4		35.0			
1,2,4-Trichlorobenzene	++++ 1.4886	++++ 1.4920	1.4915 1.5854	1.5139	1.4549	Ave		1.504 4				2.9		35.0			
Hexachlorobutadiene	++++ 0.6177	++++ 0.5891	0.6154 0.5937	0.6053	0.6078	Ave		0.604 8				1.9		35.0			
Naphthalene	++++ 3.7212	++++ 3.7109	4.7114 3.8185	4.0553	3.8835	Ave		3.983 5				9.5		35.0			
1,2,3-Trichlorobenzene	++++ 1.3647	++++ 1.3910	1.4868 1.4355	1.3750	1.3971	Ave		1.408 4				3.2		35.0			
Dibromofluoromethane (Surr)	0.2757 0.2711	++++ 0.2547	0.2718 0.2658	0.2706	0.2554	Ave		0.266 5				3.1		35.0			
1,2-Dichloroethane-d4 (Surr)	0.3440 0.3316	++++ 0.3283	0.3262 0.3499	0.3277	0.3195	Ave		0.332 4				3.2		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Toluene-d8 (Surr)	1.6515 1.8079	++++ 1.6231	1.6306 1.7129	1.7002	1.6442	Ave		1.681 5				3.9		35.0			
Bromofluorobenzene	0.4355 0.4541	++++ 0.4155	0.4239 0.4270	0.4332	0.4354	Ave		0.432 1				2.8		35.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-953473/3	V49183.D
Level 2	STD05 460-953473/4	V49184.D
Level 3	STD1 460-953473/16	V49196.D
Level 4	STD5 460-953473/6	V49186.D
Level 5	STD20 460-953473/7	V49187.D
Level 6	STD50 460-953473/8	V49188.D
Level 7	STD200 460-953473/9	V49189.D
Level 8	STD500 460-953473/10	V49190.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	++++ 390541	++++ 1900652	7184 4657752	33581	132187	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	++++ 440942	++++ 2083075	8981 5350764	41422	168414	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	++++ 452483	++++ 2126171	9033 5337731	43491	177640	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	1700 481200	3757 2045453	8210 5413609	40298	172096	0.250 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	FB	Ave	++++ 205970	++++ 1071150	4131 3030095	17101	73600	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Ethyl Chloride	FB	Ave	++++ 290781	++++ 1274335	6175 3310838	25569	110500	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Trichlorofluoromethane	FB	Ave	++++ 491879	++++ 2109418	8172 5345256	44736	184621	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Pentane	FB	Ave	++++ 126740	++++ 385398	2392 1040716	11831	48578	++++ 100	++++ 400	2.00 1000	10.0	40.0
Ethanol	TBAd9	Ave	++++ 52505	++++ 213872	++++ 552773	4340	20094	++++ 2000	++++ 8000	++++ 20000	200	800
Ethyl ether	FB	Ave	++++ 194068	++++ 795085	5432 2087372	20221	79897	++++ 50.0	++++ 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	++++ 356626	++++ 1326290	7318 3533373	34467	134355	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 307218	++++ 1145584	6079 2909128	28211	112059	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Acrolein	FB	Ave	++++ 57179	++++ 136723	1449 309416	7941	21851	++++ 100	++++ 200	4.00 400	20.0	40.0
1,1-Dichloroethene	FB	Ave	++++ 299228	++++ 1045241	5743 2710645	27210	113218	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Acetone	BUT	Ave	++++	++++	9489	45139	187795	++++	++++	5.00	25.0	100

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			421086	1841914	7646771			250	1000	2500		
Iodomethane	FB	Lin2	++++ 307380	++++ 1326297	2217 3056100	19413	97282	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Ave	++++ 157211	++++ 698480	3566 1702313	13582	59096	++++ 500	++++ 2000	10.0 5000	50.0	200
Carbon disulfide	FB	Ave	++++ 1040663	10876 ++++	23505 ++++	97091	395154	++++ 50.0	0.500 ++++	1.00 ++++	5.00	20.0
3-Chloro-1-propene	FB	Ave	++++ 229921	++++ 873703	4827 2185024	20543	88519	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Methyl acetate	FB	Ave	++++ 468907	++++ 2018365	11388 5364463	46197	180128	++++ 100	++++ 400	2.00 1000	10.0	40.0
Acetonitrile	BUT	Ave	++++ 385882	++++ 1791387	4049 4951639	23240	140920	++++ 500	++++ 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	++++ 324431	++++ 1316314	7016 3367995	31586	124871	++++ 50.0	++++ 200	1.00 500	5.00	20.0
TBA	TBAd9	Ave	993 266078	3046 ++++	7129 ++++	25489	103707	2.00 500	5.00 ++++	10.0 ++++	50.0	200
MTBE	FB	Ave	++++ 964756	++++ 4215224	19873 11018118	92324	379821	++++ 50.0	++++ 200	1.00 500	5.00	20.0
trans-1,2-Dichloroethene	FB	Ave	++++ 330124	++++ 1244388	7535 3214620	30233	125498	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	2772 1209092	6188 5403224	21343 14408886	111547	459639	2.00 500	5.00 2000	10.0 5000	50.0	200
Hexane	FB	Ave	++++ 524893	++++ 1455955	7728 3746466	46756	186122	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Isopropyl ether	FB	Ave	++++ 1224293	++++ 5355784	22987 13976222	111314	465383	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	++++ 687976	++++ 2814245	12615 7494293	62027	255602	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Vinyl acetate	BUT	Ave	++++ 1694867	++++ 7669306	18449 17670598	118555	571909	++++ 100	++++ 400	2.00 1000	10.0	40.0
2,2-Dichloropropane	FB	Ave	++++ 117937	++++ 486481	2891 1252680	12288	45503	++++ 50.0	++++ 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	++++ 364009	++++ 1475231	7296 3944250	34107	137147	++++ 50.0	++++ 200	1.00 500	5.00	20.0
2-Butanone	BUT	Ave	++++ 176693	++++ 767773	3375 2328470	17912	69503	++++ 250	++++ 1000	5.00 2500	25.0	100
Ethyl acetate	BUT	Lin2	++++ 65455	++++ 302719	503 786089	5652	27050	++++ 100	++++ 400	2.00 1000	10.0	40.0
Tetrahydrofuran	FB	Ave	++++ 84211	++++ 337466	2106 888712	8009	31762	++++ 100	++++ 400	2.00 1000	10.0	40.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobromomethane	FB	Ave	++++ 160798	++++ 651264	3839 1651848	15140	61062	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Chloroform	FB	Ave	++++ 589122	++++ 2485465	11757 6618318	56566	223883	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	++++ 558222	++++ 1847552	8776 4827875	49158	197352	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	++++ 530874	++++ 2165571	11085 5694235	48985	201640	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	++++ 457856	++++ 1809078	8468 4708083	42474	173528	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	++++ 512363	++++ 1975615	9508 5181688	45838	196291	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Benzene	CBNZd 5	Ave	++++ 1447948	++++ 5833495	26503 15756168	127029	535336	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Isopropyl acetate	FB	Ave	++++ 304339	++++ 1323622	6272 3423416	26831	115421	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	++++ 470587	++++ 1954225	11160 5176871	45046	180259	++++ 50.0	++++ 200	1.00 500	5.00	20.0
n-Heptane	FB	Ave	++++ 225961	++++ 674024	3123 1757480	19226	80464	++++ 50.0	++++ 200	1.00 500	5.00	20.0
n-Butanol	TBAd9	Ave	++++ 143786	++++ 754192	++++ 1904341	++++	44704	++++ 1250	++++ 5000	++++ 12500	++++	500
Trichloroethene	FB	Ave	++++ 353694	++++ 1394754	6224 3643751	31508	130067	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	++++ 594755	++++ 2014788	8879 5192196	49691	209804	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	Ave	++++ 50357	++++ 200011	970 496946	4720	17488	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	++++ 371236	++++ 1561714	7433 4061442	33172	142250	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	++++ 182732	++++ 760338	2651 1892583	16528	65848	++++ 100	++++ 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	++++ 56449	++++ 225782	5195 591744	5526	20697	++++ 1000	++++ 4000	50.0 10000	100	400
Dibromomethane	FB	Ave	++++ 199507	++++ 829623	4498 2127128	18950	73833	++++ 50.0	++++ 200	1.00 500	5.00	20.0
n-Propyl acetate	FB	Ave	++++ 494563	++++ 2169466	7323 5418562	38601	186159	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Bromodichloromethane	FB	Ave	++++ 454453	++++ 1941207	9743 5018572	40068	174561	++++ 50.0	++++ 200	1.00 500	5.00	20.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Chloroethyl vinyl ether	FB	Ave	++++ 189728	++++ 827111	3846 2147478	16604	69077	++++ 50.1	++++ 200	1.00 501	5.01	20.0
Epichlorohydrin	BUT	Ave	2234 683304	3482 2805677	11730 7093590	57341	256552	5.00 1000	10.0 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZd 5	Ave	++++ 601635	++++ 2536016	11527 6575992	55029	227891	++++ 50.0	++++ 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone	BUT	Ave	++++ 1630438	++++ 7034569	27950 17833958	157784	637646	++++ 250	++++ 1000	5.00 2500	25.0	100
Toluene	CBNZd 5	Ave	++++ 1466256	++++ 6068505	29284 16110227	138884	556646	++++ 50.0	++++ 200	1.00 500	5.00	20.0
trans-1,3-Dichloropropene	CBNZd 5	Ave	++++ 551200	++++ 2333977	10388 5970312	48853	205709	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZd 5	Ave	++++ 250670	++++ 1067352	4065 2697476	22508	93484	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZd 5	Ave	++++ 330208	++++ 1295057	6504 3382516	29261	122665	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZd 5	Ave	++++ 529583	++++ 2234814	9889 5657232	48669	197752	++++ 50.0	++++ 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	++++ 1071329	++++ 4620974	16452 12500675	92164	430125	++++ 250	++++ 1000	5.00 2500	25.0	100
n-Butyl acetate	CBNZd 5	Ave	++++ 528076	++++ 2271978	11123 5497721	35771	204195	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Dibromochloromethane	CBNZd 5	Ave	++++ 314279	++++ 1355391	5729 3443741	27223	119970	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZd 5	Ave	++++ 291115	++++ 1204925	5795 3028334	26729	108919	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZd 5	Ave	++++ 872899	++++ 3703047	16229 9722059	79959	330161	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZd 5	Ave	++++ 486341	++++ 2047057	9577 5374932	42405	186413	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	++++	++++	5483	27152	116974	++++	++++	1.00	5.00	20.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			307119	1329773	3433617			50.0	200	500		
m-Xylene & p-Xylene	CBNZd 5	Ave	++++ 599721	++++ 2508760	12150 6584706	53645	229640	++++ 50.0	++++ 200	1.00 500	5.00	20.0
o-Xylene	CBNZd 5	Ave	++++ 592951	++++ 2478222	11304 6504847	52796	222558	++++ 50.0	++++ 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZd 5	Ave	++++ 262173	++++ 1162365	5133 2954640	22429	97728	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Styrene	CBNZd 5	Ave	++++ 954019	++++ 4188504	17617 11132762	87207	353373	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Bromoform	CBNZd 5	Ave	++++ 198996	++++ 874691	3668 2281731	18401	74839	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd4	Ave	++++ 615877	++++ 2713002	8741 6862969	51229	232975	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZd 5	Ave	++++ 1517992	++++ 6507988	27626 14791587	134257	575809	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Bromobenzene	DCBd4	Ave	++++ 343328	++++ 1431369	6348 3736711	30016	130596	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	++++ 365451	++++ 1627858	7224 4188656	33702	140346	++++ 50.0	++++ 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd4	Ave	++++ 1850245	++++ 8025312	31989 15649270	160900	679313	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd4	Ave	++++ 101707	++++ 433478	2341 1088273	11068	39299	++++ 50.0	++++ 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd4	Ave	++++ 1218865	++++ 5367179	21713 13530910	107183	458856	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd4	Ave	++++ 1200857	++++ 5312054	21495 13150513	110996	457596	++++ 50.0	++++ 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd4	Ave	++++ 1147063	++++ 4997121	21119 13479551	107737	440724	++++ 50.0	++++ 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd4	Ave	++++ 412095	++++ 1909246	6634 5038367	34217	153032	++++ 50.0	++++ 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd4	Ave	++++ 1031711	++++ 4453494	17373 11886390	91237	381431	++++ 50.0	++++ 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd4	Ave	++++ 1207338	++++ 5478134	21825 12933133	104093	448604	++++ 50.0	++++ 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd4	Ave	++++	++++	25060	128135	551138	++++	++++	1.00	5.00	20.0

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1506421	6519512	13963602			50.0	200	500		
4-Isopropyltoluene	DCBd4	Ave	+++++	+++++	20435	104068	453549	+++++	+++++	1.00	5.00	20.0
			1255125	5676434	13497462			50.0	200	500		
1,3-Dichlorobenzene	DCBd4	Ave	+++++	+++++	12027	57737	238270	+++++	+++++	1.00	5.00	20.0
			638151	2820113	7934247			50.0	200	500		
1,4-Dichlorobenzene	DCBd4	Ave	+++++	+++++	11959	56781	238924	+++++	+++++	1.00	5.00	20.0
			632702	2837413	7867478			50.0	200	500		
1,2,3-Trimethylbenzene	DCBd4	Ave	+++++	+++++	23308	108253	461963	+++++	+++++	1.00	5.00	20.0
			1222784	5680951	13481374			50.0	200	500		
Benzyl chloride	DCBd4	Ave	+++++	+++++	12506	63677	272309	+++++	+++++	1.00	5.00	20.0
			745117	3281696	8596313			50.0	200	500		
n-Butylbenzene	DCBd4	Ave	+++++	+++++	10275	49290	212239	+++++	+++++	1.00	5.00	20.0
			588629	2660384	7470108			50.0	200	500		
1,2-Dichlorobenzene	DCBd4	Ave	+++++	+++++	11880	54744	222897	+++++	+++++	1.00	5.00	20.0
			598503	2604515	7097588			50.0	200	500		
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++	+++++	1908	6533	29782	+++++	+++++	1.00	5.00	20.0
			71517	321532	798193			50.0	200	500		
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++	+++++	6675	31972	129872	+++++	+++++	1.00	5.00	20.0
			355343	1604002	4277069			50.0	200	500		
Hexachlorobutadiene	DCBd4	Ave	+++++	+++++	2754	12783	54253	+++++	+++++	1.00	5.00	20.0
			147457	633294	1601596			50.0	200	500		
Naphthalene	DCBd4	Ave	+++++	+++++	21085	85644	346675	+++++	+++++	1.00	5.00	20.0
			888268	3989413	10301299			50.0	200	500		
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++	+++++	6654	29039	124716	+++++	+++++	1.00	5.00	20.0
			325759	1495442	3872632			50.0	200	500		
Dibromofluoromethane (Surr)	FB	Ave	175598	+++++	185335	175596	174858	50.0	+++++	50.0	50.0	50.0
			198140	201595	217652			50.0	50.0	50.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	219066	+++++	222368	212613	218773	50.0	+++++	50.0	50.0	50.0
			242395	259792	286480			50.0	50.0	50.0		
Toluene-d8 (Surr)	CBNZd 5	Ave	776393	+++++	788228	769730	785825	50.0	+++++	50.0	50.0	50.0
			906696	910220	973358			50.0	50.0	50.0		
Bromofluorobenzene	CBNZd 5	Ave	204719	+++++	204908	196108	208066	50.0	+++++	50.0	50.0	50.0
			227734	232980	242661			50.0	50.0	50.0		

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-953473/3	V49183.D
Level 2	STD05 460-953473/4	V49184.D
Level 3	STD1 460-953473/16	V49196.D
Level 4	STD5 460-953473/6	V49186.D
Level 5	STD20 460-953473/7	V49187.D
Level 6	STD50 460-953473/8	V49188.D
Level 7	STD200 460-953473/9	V49189.D
Level 8	STD500 460-953473/10	V49190.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dichlorodifluoromethane	+++++ 11.5	+++++ 5.7	-2.2	-3.9	-10.4	-0.8	30	30	50	30	30	30
Chloromethane	+++++ 3.2	+++++ 2.5	3.3	0.1	-3.6	-5.4	30	30	50	30	30	30
Vinyl chloride	+++++ 2.7	+++++ -0.3	1.3	2.5	-0.8	-5.3	30	30	50	30	30	30
Butadiene	-13.5 4.7	-4.8 7.1	-2.5	0.6	1.8	6.6	50 30	30 30	30	30	30	30
Bromomethane	+++++ 11.2	+++++ 21.6	-0.4	-13.4	-11.7	-7.4	30	30	50	30	30	30
Ethyl Chloride	+++++ -1.6	+++++ -1.2	10.7	-3.7	-1.4	-2.8	30	30	50	30	30	30
Trichlorofluoromethane	+++++ 1.1	+++++ -1.0	-9.1	4.6	2.3	2.1	30	30	50	30	30	30
Pentane	+++++ -23.7	+++++ -20.3	9.9	14.3	11.2	8.7	30	30	50	30	30	30
Ethanol	+++++ -10.2	+++++ -13.0	+++++	11.3	4.6	7.3	30	30		50	30	30
Ethyl ether	+++++ -15.0	+++++ -13.7	34.8	5.4	-1.3	-10.2	30	30	50	30	30	30
2-Methyl-1,3-butadiene	+++++ -13.2	+++++ -10.6	11.2	10.0	1.6	1.1	30	30	50	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ -10.5	+++++ -12.2	10.2	7.5	1.1	3.9	30	30	50	30	30	30
Acrolein	+++++ 14.4	+++++ 25.1	-29.7	-19.0	5.6	3.6	30	30	50	30	30	30
1,1-Dichloroethene	+++++ -14.8	+++++ -14.5	8.7	8.2	6.7	5.7	30	30	50	30	30	30
Acetone	+++++ -23.1	+++++ 28.3	7.8	4.5	-2.5	-15.1	30	30	50	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Iodomethane	++++ 8.2	++++ -3.7	2.2	-10.8	-5.5	9.6	30	30	50	30	30	30
Isopropyl alcohol	++++ -10.7	++++ -18.4	31.5	6.1	-6.4	-2.2	30	30	50	30	30	30
Carbon disulfide	++++ ++++	9.3 ++++	10.7	-3.9	-7.4	-8.6		50	30	30	30	30
3-Chloro-1-propene	++++ -10.5	++++ -13.5	14.7	2.6	4.8	2.0	30	30	50	30	30	30
Methyl acetate	++++ -7.6	++++ -5.0	21.1	3.2	-4.7	-7.0	30	30	50	30	30	30
Acetonitrile	++++ 9.8	++++ 22.0	-32.5	-21.0	7.4	14.2	30	30	50	30	30	30
Methylene Chloride	++++ -8.6	++++ -9.5	13.2	7.1	0.3	-2.4	30	30	50	30	30	30
TBA	-8.6 ++++	13.0 ++++	31.3 *	-0.6	-17.9	-17.3	50	30	30	30	30	30
MTBE	++++ -3.3	++++ -2.3	5.8	3.3	0.7	-4.2	30	30	50	30	30	30
trans-1,2-Dichloroethene	++++ -13.1	++++ -13.2	22.2	3.0	1.3	-0.2	30	30	50	30	30	30
Acrylonitrile	-28.3 12.5	-36.2 * 16.0	3.1	13.3	10.6	9.0	50 30	30 30	30	30	30	30
Hexane	++++ -23.4	++++ -23.8	-5.6	20.0	13.2	19.6	30	30	50	30	30	30
Isopropyl ether	++++ -0.2	++++ 0.7	-0.6	1.2	0.2	-1.2	30	30	50	30	30	30
1,1-Dichloroethane	++++ -4.1	++++ -1.2	-0.2	3.2	0.7	1.6	30	30	50	30	30	30
Vinyl acetate	++++ 10.5	++++ 2.3	-27.7	-5.4	2.4	17.9	30	30	50	30	30	30
2,2-Dichloropropane	++++ -11.0	++++ -11.4	22.8	9.7	-3.7	-6.5	30	30	50	30	30	30
cis-1,2-Dichloroethene	++++ -7.0	++++ -3.9	6.8	4.9	-0.1	-0.6	30	30	50	30	30	30
2-Butanone	++++ -13.6	++++ 5.3	3.3	11.7	-2.7	-4.0	30	30	50	30	30	30
Ethyl acetate	++++ -6.8	++++ -3.0	-1.7	7.4	6.0	-1.9	30	30	50	30	30	30
Tetrahydrofuran	++++ -11.7	++++ -10.1	28.0	2.3	-3.9	-4.5	30	30	50	30	30	30
Chlorobromomethane	++++ -9.6	++++ -11.3	23.7	2.5	-2.0	-3.3	30	30	50	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chloroform	++++ -4.8	++++ -2.0	4.5	5.7	-0.9	-2.3	30	30	50	30	30	30
Cyclohexane	++++ -13.7	++++ -12.8	-4.9	12.0	6.5	12.9	30	30	50	30	30	30
1,1,1-Trichloroethane	++++ -6.9	++++ -5.4	10.6	2.7	0.2	-1.2	30	30	50	30	30	30
Carbon tetrachloride	++++ -6.9	++++ -6.3	1.2	6.7	3.2	2.1	30	30	50	30	30	30
1,1-Dichloropropene	++++ -8.2	++++ -6.9	2.6	3.9	5.4	3.1	30	30	50	30	30	30
Benzene	++++ -6.0	++++ 0.2	-1.0	1.4	1.2	4.3	30	30	50	30	30	30
Isopropyl acetate	++++ -1.5	++++ -1.5	8.3	-2.6	-0.7	-1.9	30	30	50	30	30	30
1,2-Dichloroethane	++++ -8.9	++++ -6.7	20.8	2.5	-2.8	-5.0	30	30	50	30	30	30
n-Heptane	++++ -17.9	++++ -17.2	-11.7	14.3	13.3	19.2	30	30	50	30	30	30
n-Butanol	++++ 10.8	++++ 4.9	++++	++++	-18.6	2.8	30	30			50	30
Trichloroethene	++++ -5.1	++++ -4.2	-1.7	4.6	2.3	4.2	30	30	50	30	30	30
Methylcyclohexane	++++ -10.5	++++ -10.8	-8.4	7.7	7.7	14.4	30	30	50	30	30	30
Ethyl acrylate	++++ -5.3	++++ -9.1	6.6	9.0	-4.3	3.2	30	30	50	30	30	30
1,2-Dichloropropane	++++ -3.7	++++ -3.1	6.4	-0.2	1.4	-0.8	30	30	50	30	30	30
Methyl methacrylate	++++ 2.1	++++ -1.7	-17.3	8.3	2.2	6.3	30	30	50	30	30	30
1,4-Dioxane	++++ 1.2	++++ 31.2 *	43.4	-10.4	-31.7 *	-33.8 *	30	30	50	30	30	30
Dibromomethane	++++ -6.8	++++ -7.6	17.4	3.9	-4.1	-2.9	30	30	50	30	30	30
n-Propyl acetate	++++ 7.2	++++ 3.5	-16.0	-6.9	6.3	5.9	30	30	50	30	30	30
Bromodichloromethane	++++ -3.6	++++ -3.7	12.3	-2.9	0.2	-2.3	30	30	50	30	30	30
2-Chloroethyl vinyl ether	++++ -0.4	++++ 0.0	7.6	-2.4	-3.8	-1.0	30	30	50	30	30	30
Epichlorohydrin	-17.1 -1.5	-33.1 * 0.1	12.1	11.6	12.0	15.8	50 30	30 30	30	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473

SDG No.: _____

Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
cis-1,3-Dichloropropene	++++ -4.3	++++ -2.0	0.9	2.9	0.9	1.6	30	30	50	30	30	30
4-Methyl-2-pentanone	++++ -8.9	++++ -7.2	-1.6	13.2	2.6	1.9	30	30	50	30	30	30
Toluene	++++ -7.1	++++ -2.6	4.0	5.3	0.0	0.4	30	30	50	30	30	30
trans-1,3-Dichloropropene	++++ -2.8	++++ -1.8	0.4	0.9	0.6	2.7	30	30	50	30	30	30
1,1,2-Trichloroethane	++++ -0.1	++++ -0.3	-11.7	4.4	2.7	5.0	30	30	50	30	30	30
Tetrachloroethene	++++ -8.6	++++ -5.8	6.5	2.3	1.5	4.2	30	30	50	30	30	30
1,3-Dichloropropane	++++ -3.3	++++ -3.3	-0.7	4.4	0.4	2.5	30	30	50	30	30	30
2-Hexanone	++++ -6.8	++++ 1.3	-9.7	3.0	7.9	4.3	30	30	50	30	30	30
n-Butyl acetate	++++ 0.6	++++ -3.9	14.2	-21.5	6.1	4.6	30	30	50	30	30	30
Dibromochloromethane	++++ -0.9	++++ -0.6	-2.8	-1.4	2.9	2.8	30	30	50	30	30	30
Ethylene Dibromide	++++ -5.5	++++ -6.2	5.5	3.9	0.2	2.1	30	30	50	30	30	30
Chlorobenzene	++++ -3.6	++++ -0.1	-2.0	3.1	0.9	1.6	30	30	50	30	30	30
Ethylbenzene	++++ -4.5	++++ -1.0	3.7	-1.9	2.1	1.5	30	30	50	30	30	30
1,1,1,2-Tetrachloroethane	++++ -0.9	++++ 1.0	-5.2	0.3	2.3	2.4	30	30	50	30	30	30
m-Xylene & p-Xylene	++++ -5.7	++++ -2.3	6.0	-0.1	1.3	0.8	30	30	50	30	30	30
o-Xylene	++++ -4.4	++++ -0.9	1.2	0.9	0.8	2.3	30	30	50	30	30	30
n-Butyl acrylate	++++ 0.3	++++ 0.7	2.8	-4.1	-1.0	1.2	30	30	50	30	30	30
Styrene	++++ -1.1	++++ 3.8	-3.5	2.0	-2.1	0.8	30	30	50	30	30	30
Bromoform	++++ -1.1	++++ 1.8	-3.8	3.1	-0.7	0.6	30	30	50	30	30	30
Amyl acetate (mixed isomers)	++++ 3.5	++++ 4.3	-19.9	-0.6	7.0	5.8	30	30	50	30	30	30
Isopropylbenzene	++++ 0.2	++++ -10.1	-1.3	2.5	4.1	4.6	30	30	50	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Bromobenzene	++++ -5.5	++++ -1.7	0.6	0.8	3.8	2.0	30	30	50	30	30	30
1,1,2,2-Tetrachloroethane	++++ -3.1	++++ -0.7	3.3	2.1	0.6	-2.1	30	30	50	30	30	30
N-Propylbenzene	++++ 3.2	++++ -19.8	-1.2	5.3	5.2	7.2	30	30	50	30	30	30
1,2,3-Trichloropropane	++++ -11.1	++++ -11.0	15.4	15.6	-2.9	-6.0	30	30	50	30	30	30
2-Chlorotoluene	++++ -0.8	++++ -0.3	-3.5	0.9	2.2	1.5	30	30	50	30	30	30
1,3,5-Trimethylbenzene	++++ -1.3	++++ -2.6	-4.0	5.0	2.4	0.5	30	30	50	30	30	30
4-Chlorotoluene	++++ -4.5	++++ 2.6	-3.1	4.8	1.4	-1.3	30	30	50	30	30	30
Butyl Methacrylate	++++ 4.6	++++ 10.0	-12.7	-4.6	1.0	1.7	30	30	50	30	30	30
tert-Butylbenzene	++++ -1.9	++++ 4.3	-8.1	2.3	1.2	2.3	30	30	50	30	30	30
1,2,4-Trimethylbenzene	++++ 2.7	++++ -3.4	-1.7	-0.7	1.3	1.9	30	30	50	30	30	30
sec-Butylbenzene	++++ 2.8	++++ -12.3	-5.1	2.9	4.7	7.0	30	30	50	30	30	30
4-Isopropyltoluene	++++ 5.2	++++ -0.3	-9.0	-1.8	1.2	4.8	30	30	50	30	30	30
1,3-Dichlorobenzene	++++ -3.6	++++ 8.1	-1.2	0.5	-1.9	-1.8	30	30	50	30	30	30
1,4-Dichlorobenzene	++++ -2.5	++++ 7.7	-1.3	-0.7	-1.1	-2.1	30	30	50	30	30	30
1,2,3-Trimethylbenzene	++++ 2.6	++++ -3.0	1.1	-0.5	0.4	-0.6	30	30	50	30	30	30
Benzyl chloride	++++ 0.5	++++ 4.9	-8.0	-0.7	0.5	2.8	30	30	50	30	30	30
n-Butylbenzene	++++ 0.9	++++ 12.9	-6.4	-4.8	-3.1	0.5	30	30	50	30	30	30
1,2-Dichlorobenzene	++++ -5.0	++++ 3.1	4.1	1.6	-2.1	-1.7	30	30	50	30	30	30
1,2-Dibromo-3-Chloropropane	++++ -8.6	++++ -9.6	30.3	-5.5	1.9	-8.5	30	30	50	30	30	30
1,2,4-Trichlorobenzene	++++ -0.8	++++ 5.4	-0.9	0.6	-3.3	-1.0	30	30	50	30	30	30
Hexachlorobutadiene	++++ -2.6	++++ -1.8	1.7	0.1	0.5	2.1	30	30	50	30	30	30

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

Lab Name: Eurofins Edison Job No.: 460-299781-1 Analy Batch No.: 953473
SDG No.: _____
Instrument ID: CVOAMS7 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/04/2024 23:54 Calibration End Date: 01/05/2024 09:04 Calibration ID: 95609

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Naphthalene	+++++ -6.8	+++++ -4.1	18.3	1.8	-2.5	-6.6	30	30	50	30	30	30
1,2,3-Trichlorobenzene	+++++ -1.2	+++++ 1.9	5.6	-2.4	-0.8	-3.1	30	30	50	30	30	30
Dibromofluoromethane (Surr)	3.5 -4.4	+++++ -0.2	2.0	1.6	-4.2	1.7	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	3.5 -1.3	+++++ 5.2	-1.9	-1.4	-3.9	-0.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-1.8 -3.5	+++++ 1.9	-3.0	1.1	-2.2	7.5	50 30	30	30	30	30	30
Bromofluorobenzene	0.8 -3.8	+++++ -1.2	-1.9	0.3	0.8	5.1	50 30	30	30	30	30	30

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D
 Lims ID: STD8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 04-Jan-2024 23:54:30 ALS Bottle#: 52 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD8
 Misc. Info.: 460-0170980-003
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:23:59 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: HVW2

Date: 05-Jan-2024 00:16:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.460	1.460	0.000	70	1700	0.2500	0.2162	
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	34910	1000.0	1000.0	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	25	993	2.00	1.83	M
35 Acrylonitrile	53	2.763	2.706	0.057	60	2772	2.00	1.43	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	100	313905	250.0	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	175598	50.0	51.7	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	219066	50.0	51.7	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	636877	50.0	50.0	
* 68 1,4-Dioxane-d8	96	5.129	5.117	0.012	93	19650	1000.0	1000.0	
80 Epichlorohydrin	57	5.849	5.803	0.046	64	2234	5.00	4.15	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	776393	50.0	49.1	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	90	470104	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	204719	50.0	50.4	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	99	216678	50.0	50.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00181	Amount Added: 0.00	Units: uL	
ACROLEIN W_00164	Amount Added: 0.00	Units: uL	
524FREONS_00012	Amount Added: 0.00	Units: uL	
GASES Li_00565	Amount Added: 2.50	Units: uL	
14DIOXINTER_00164	Amount Added: 0.00	Units: uL	
ACRY/EPIH MIX_00120	Amount Added: 20.00	Units: uL	
Ethanol mix_00084	Amount Added: 0.00	Units: uL	
MIX 2 Hi_00143	Amount Added: 0.00	Units: uL	
MIX I Hi_00171	Amount Added: 0.00	Units: uL	
VMTBA500_00044	Amount Added: 2.00	Units: uL	
GAS Hi_00459	Amount Added: 0.00	Units: uL	
7 Freons Hi_00009	Amount Added: 0.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

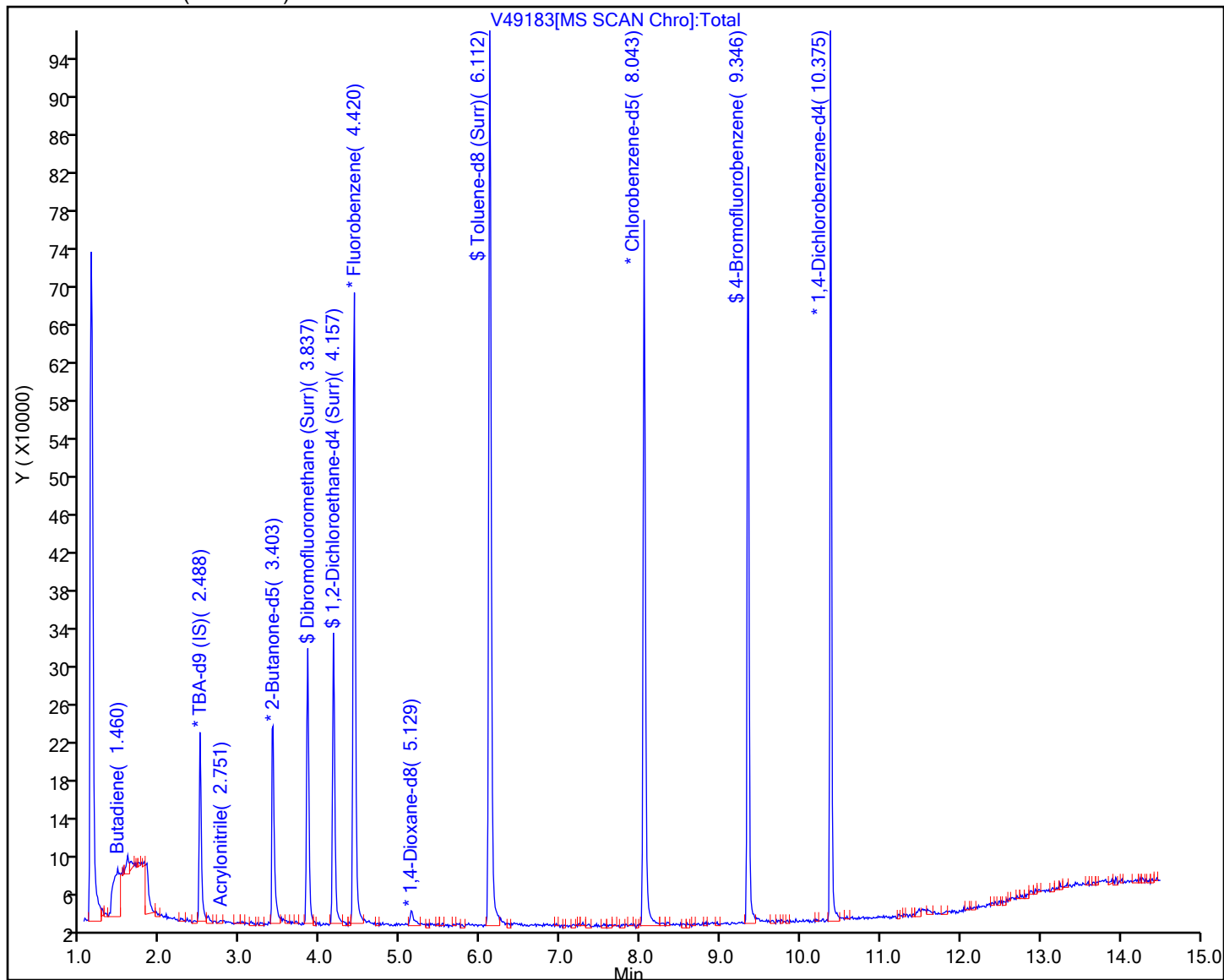
1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D
Injection Date: 04-Jan-2024 23:54:30 Instrument ID: CVOAMS7
Lims ID: STD8
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

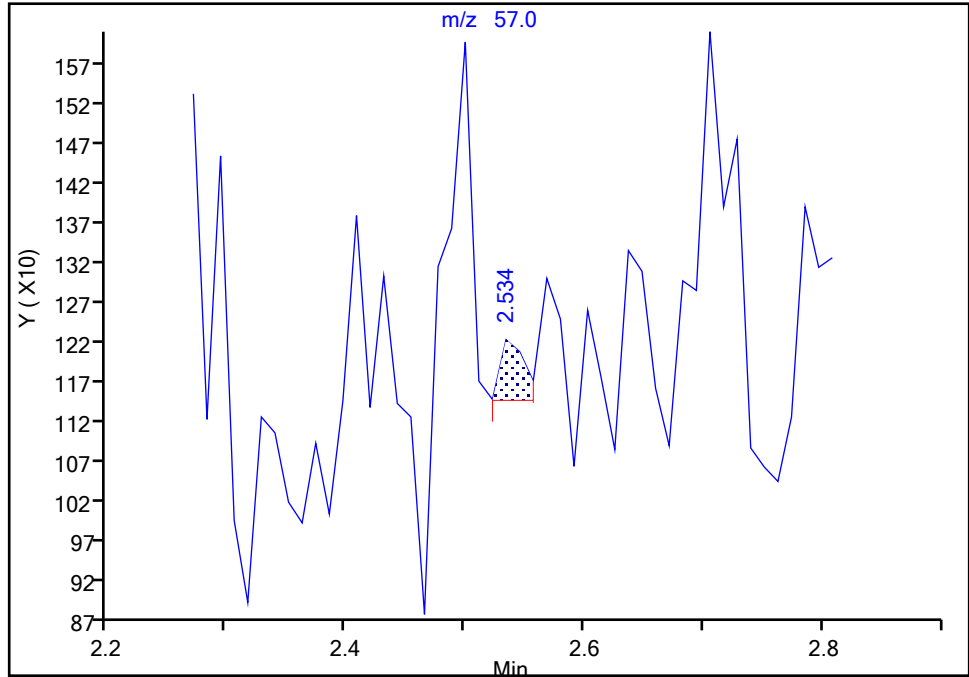
ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

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

Signal: 2

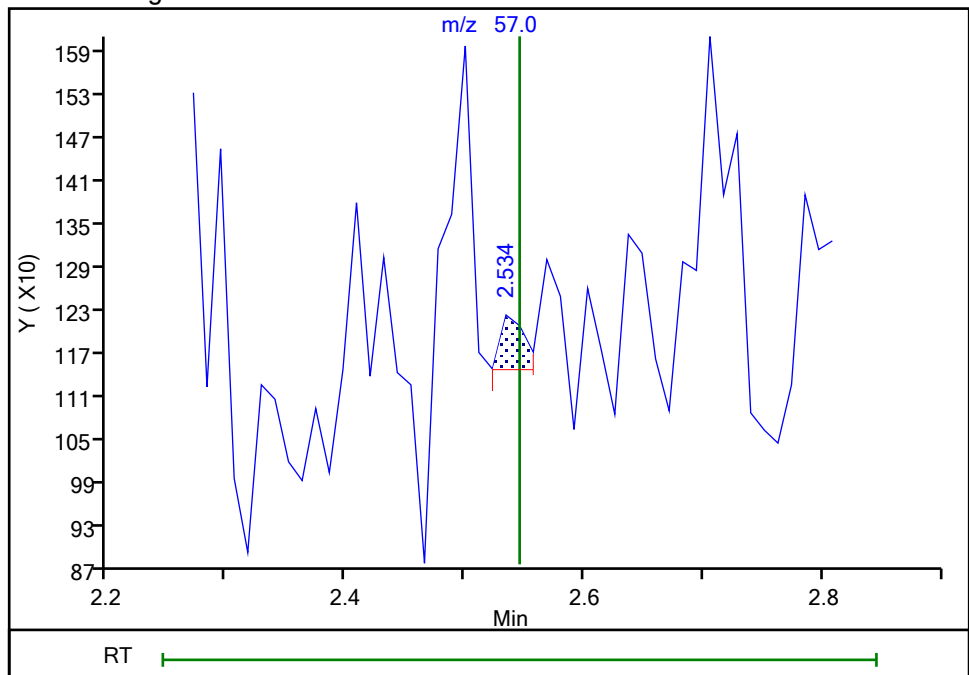
RT: 2.53
Area: 108
Amount: 1.778220
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 108
Amount: 1.828419
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 07:41:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

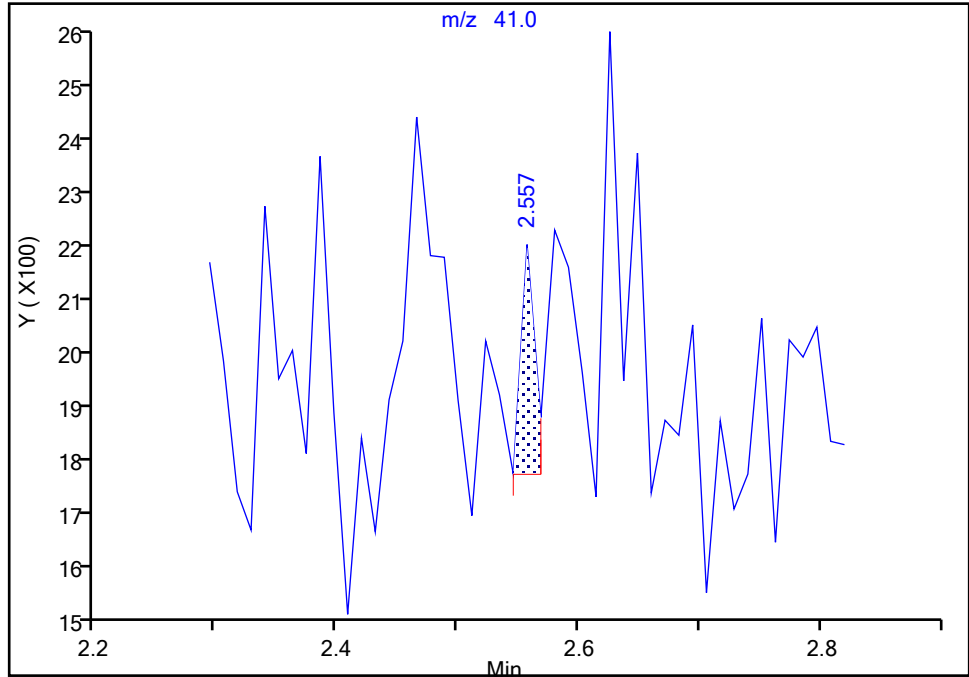
MS Quad

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

Signal: 3

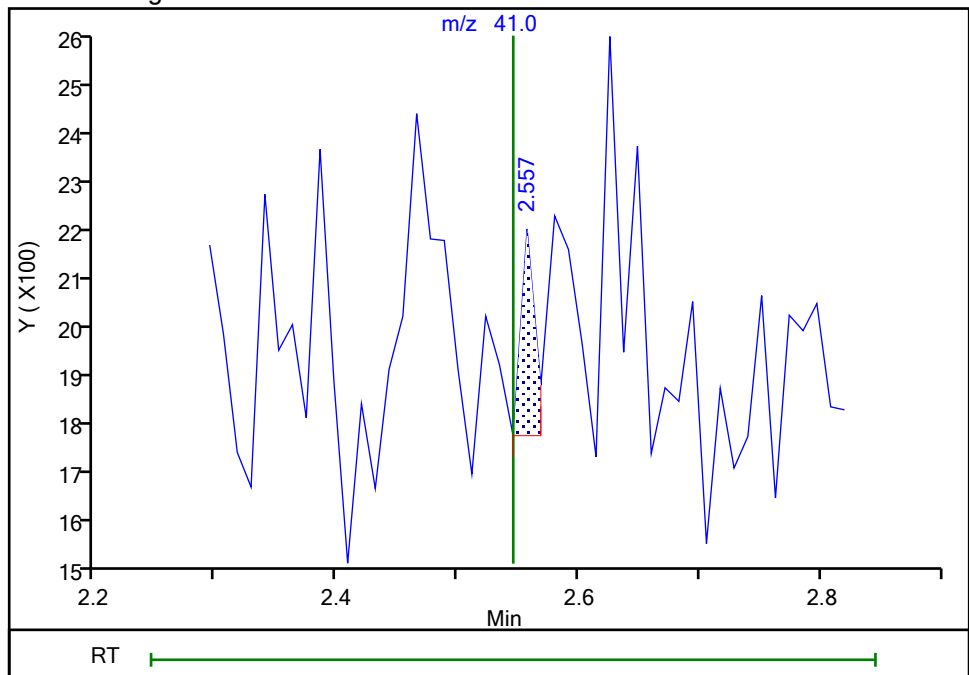
RT: 2.56
Area: 354
Amount: 1.778220
Amount Units: ug/l

Processing Integration Results



RT: 2.56
Area: 354
Amount: 1.828419
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 07:41:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

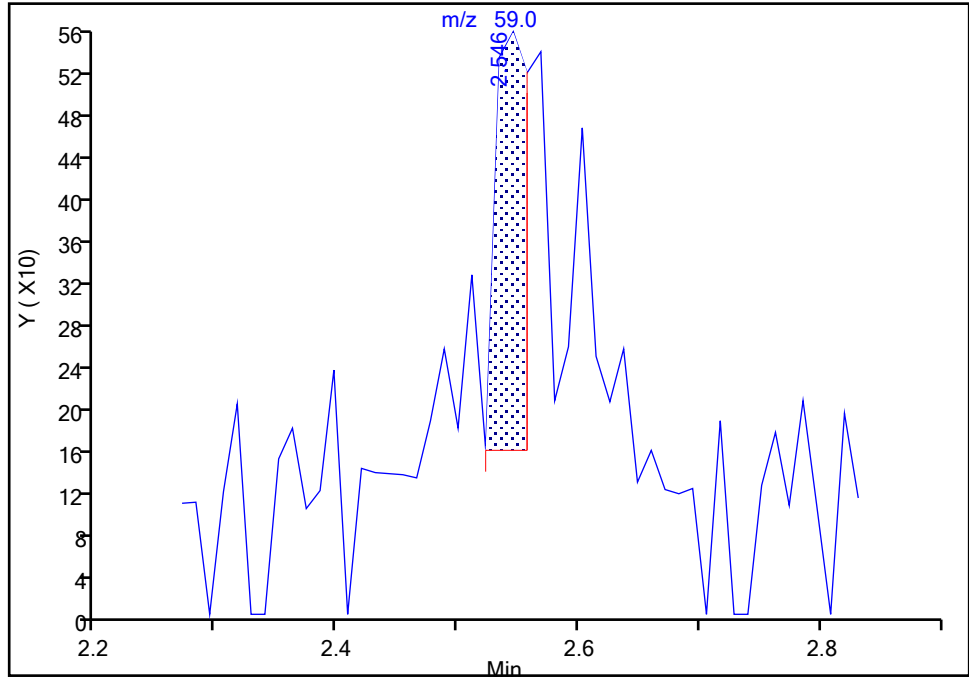
MS Quad

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

Signal: 1

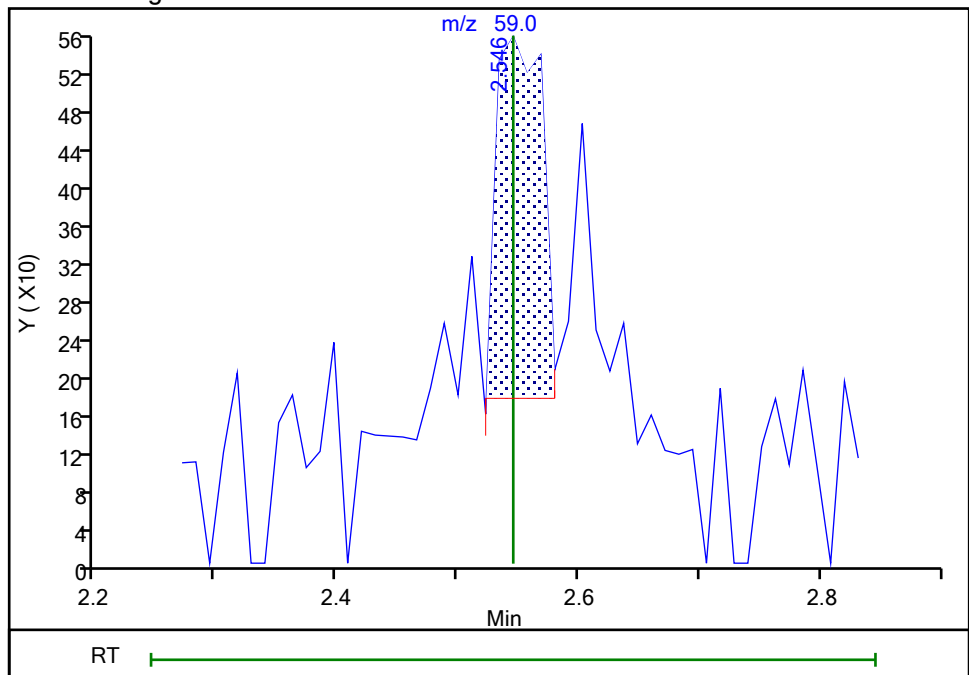
RT: 2.55
Area: 770
Amount: 1.778220
Amount Units: ug/l

Processing Integration Results



RT: 2.55
Area: 993
Amount: 1.828419
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 07:44:55 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

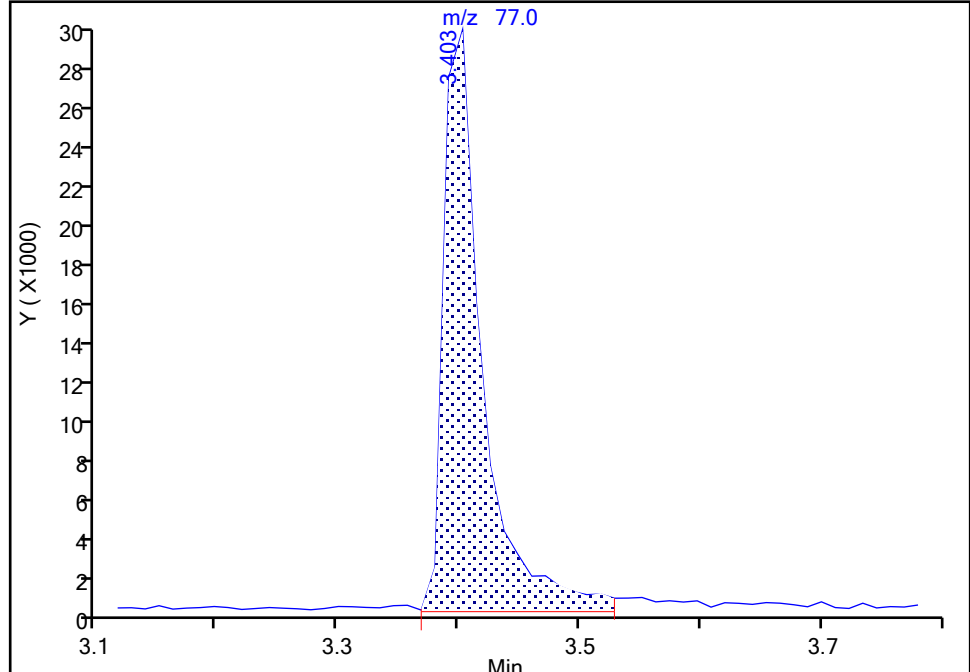
Detector: MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 2

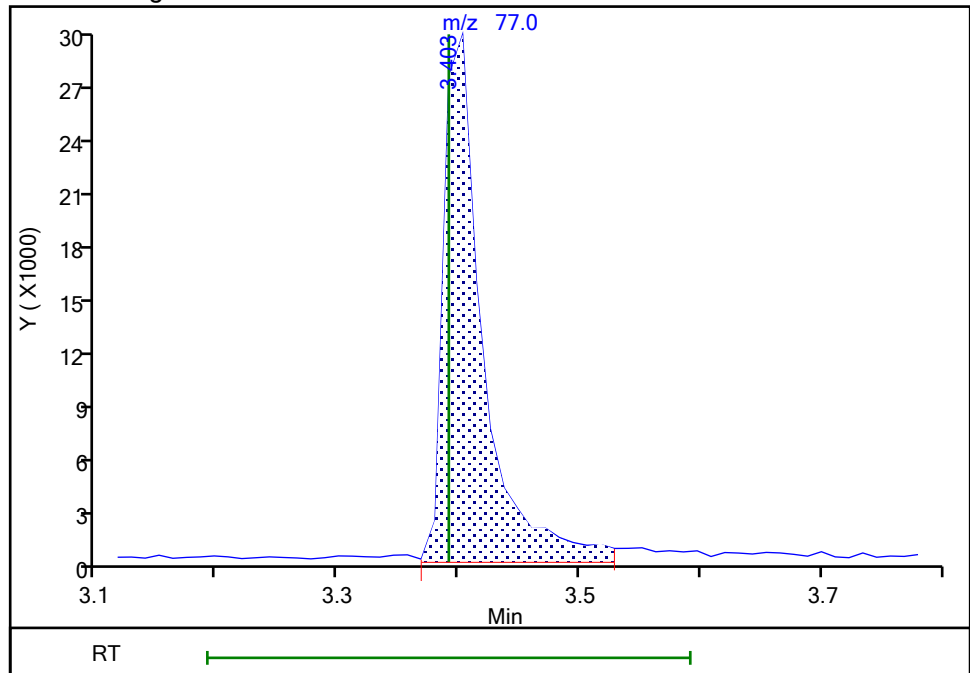
RT: 3.40
Area: 67167
Amount: 250.0000
Amount Units: ug/l

Processing Integration Results



RT: 3.40
Area: 67167
Amount: 250.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 07:41:24 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

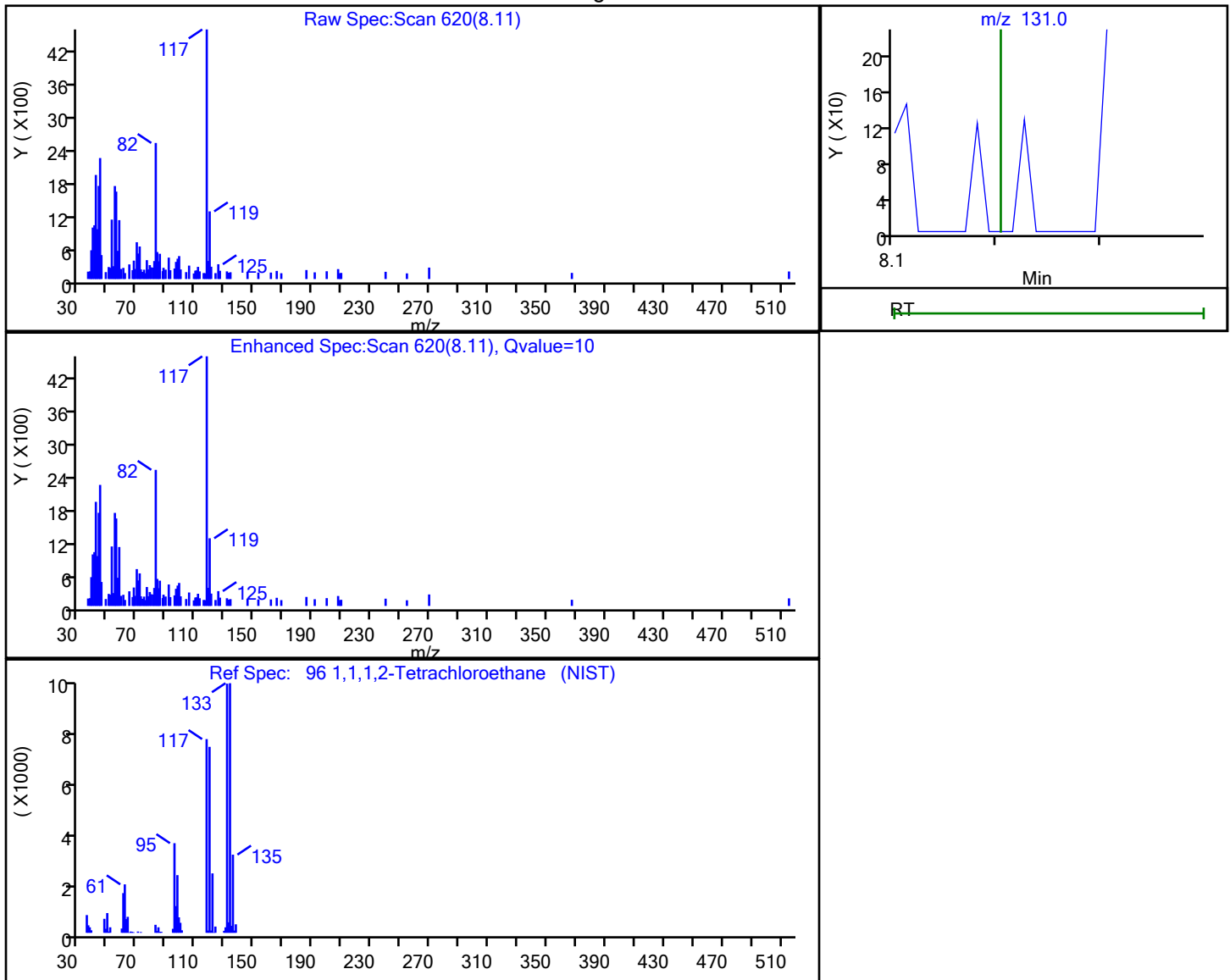
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

96 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results



RT	Mass	Response	Amount
8.11	131.00	170	0.030955

Reviewer: K0HS, 05-Jan-2024 07:43:00 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

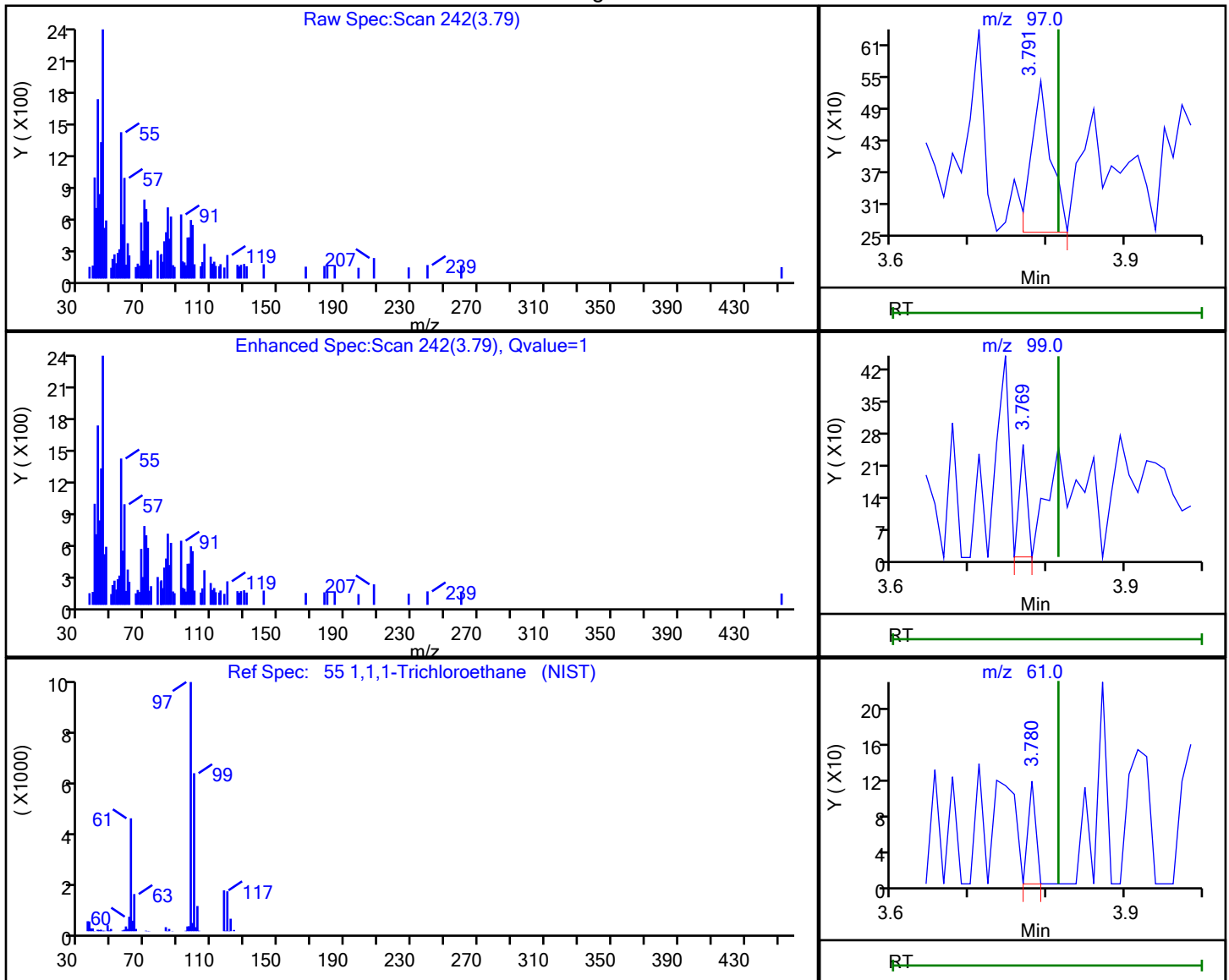
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

55 1,1,1-Trichloroethane, CAS: 71-55-6

Processing Results



RT	Mass	Response	Amount
3.79	97.00	494	0.053444
3.77	99.00	173	
3.78	61.00	80	

Reviewer: K0HS, 05-Jan-2024 07:41:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

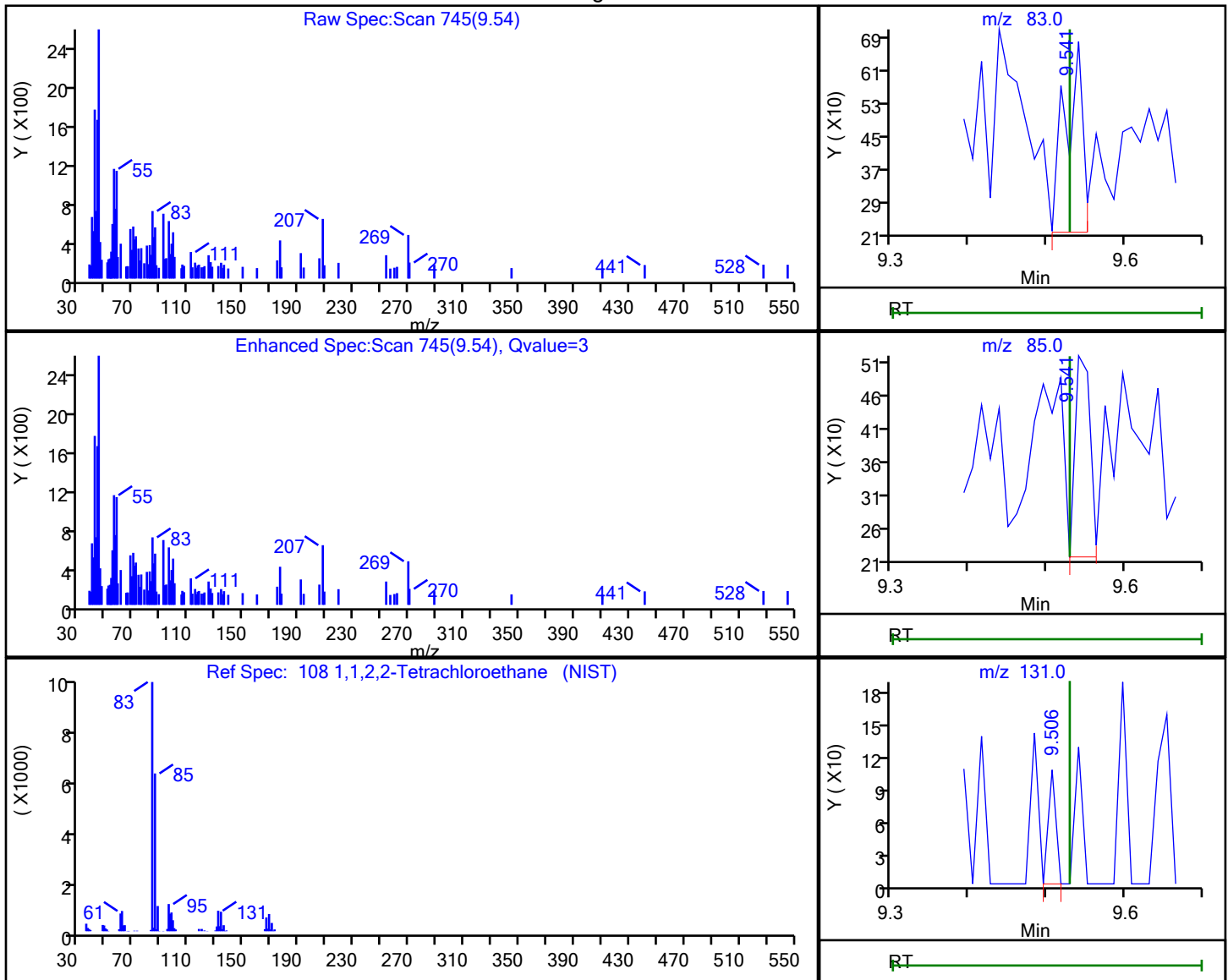
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

108 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.54	83.00	739	0.106413
9.54	85.00	406	
9.51	131.00	72	

Reviewer: K0HS, 05-Jan-2024 07:43:18 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

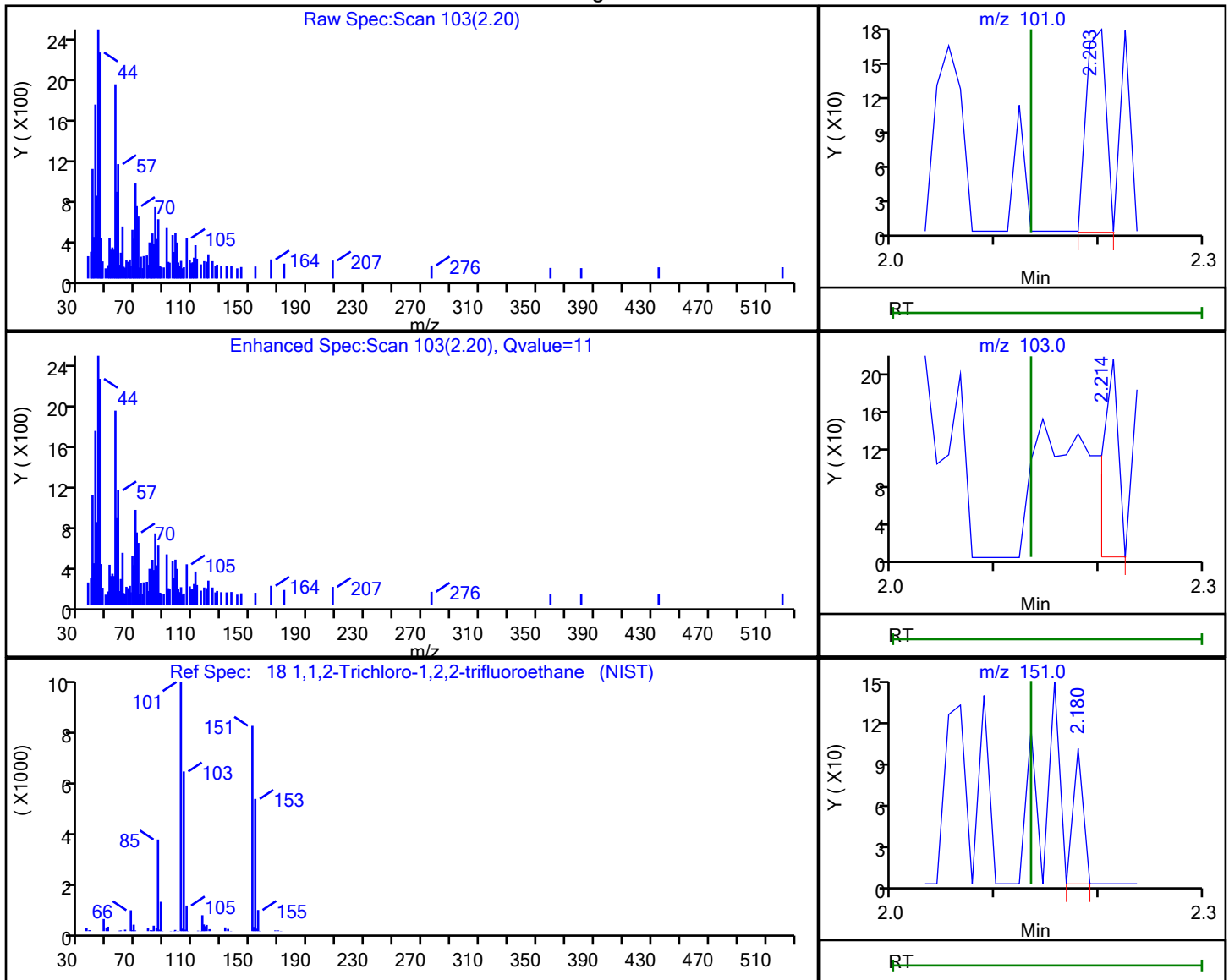
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

18 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
2.20	101.00	229	0.045405
2.21	103.00	224	
2.18	151.00	69	
2.20	85.00	294	

Reviewer: K0HS, 05-Jan-2024 07:40:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

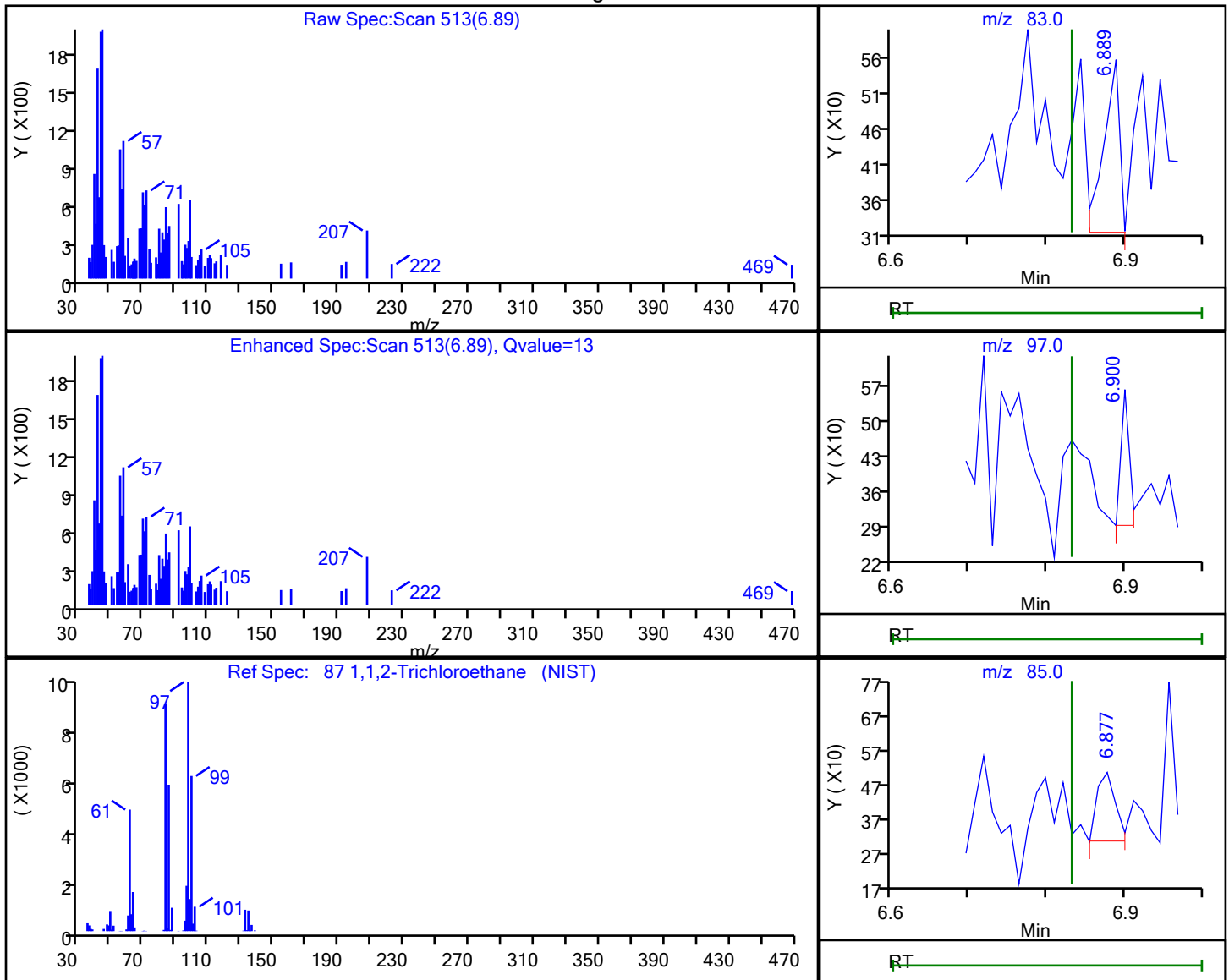
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

87 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
6.89	83.00	344	0.076144
6.90	97.00	206	
6.88	85.00	341	

Reviewer: K0HS, 05-Jan-2024 07:42:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

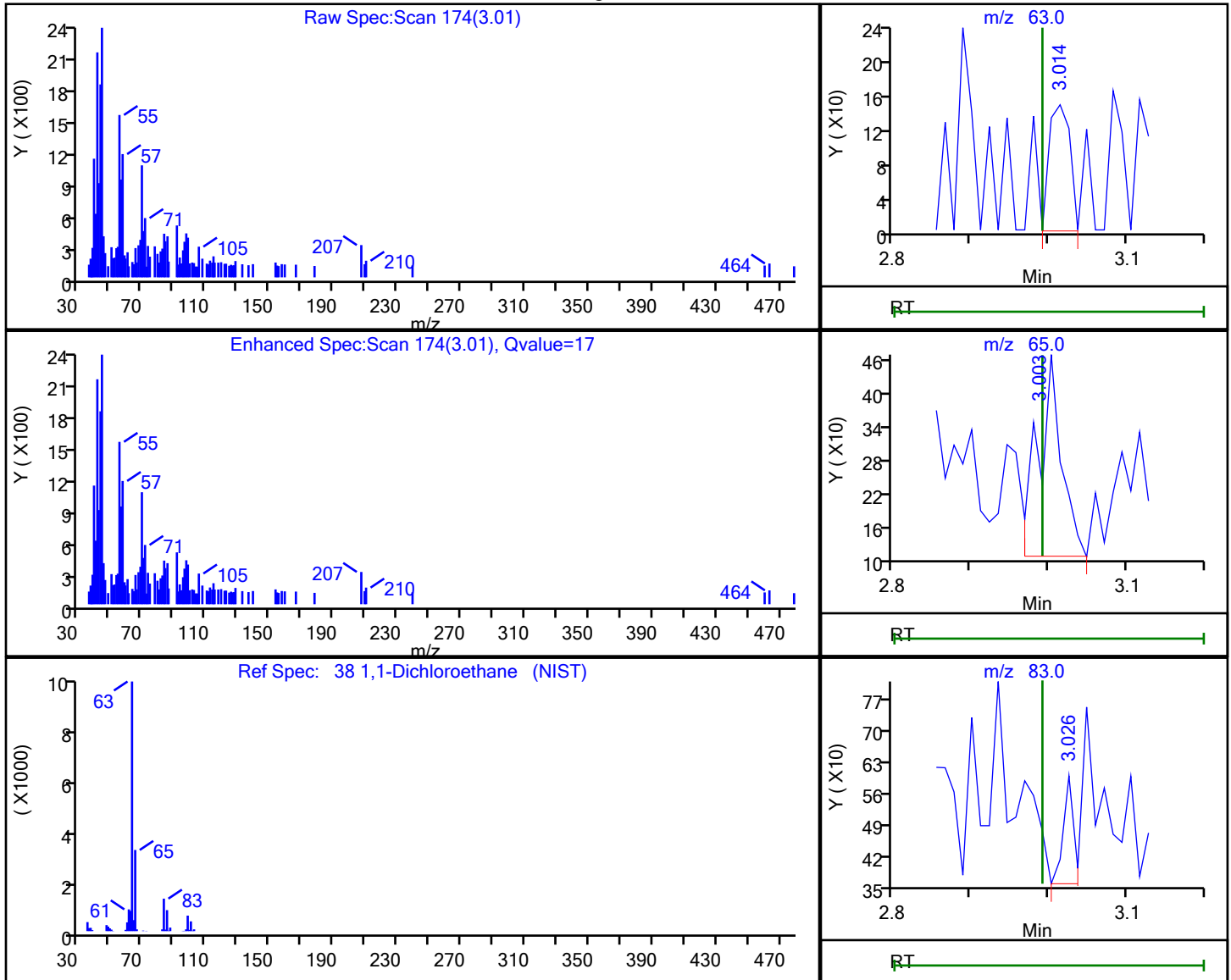
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

38 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
3.01	63.00	265	0.022257
3.00	65.00	752	
3.03	83.00	225	

Reviewer: K0HS, 05-Jan-2024 07:41:20 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

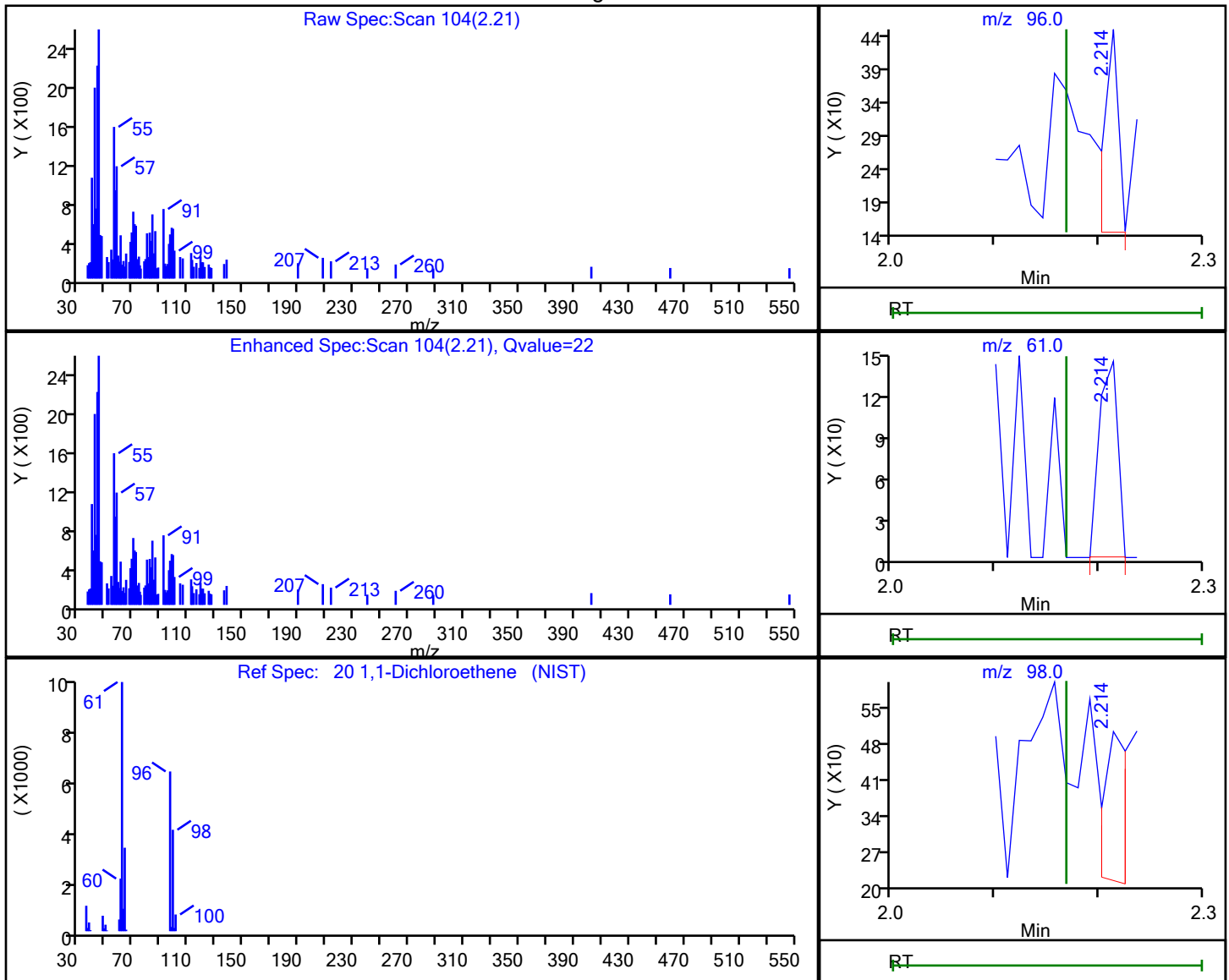
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.21	96.00	290	0.057444
2.21	61.00	176	
2.21	98.00	464	
2.20	63.00	204	

Reviewer: K0HS, 05-Jan-2024 07:40:50 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

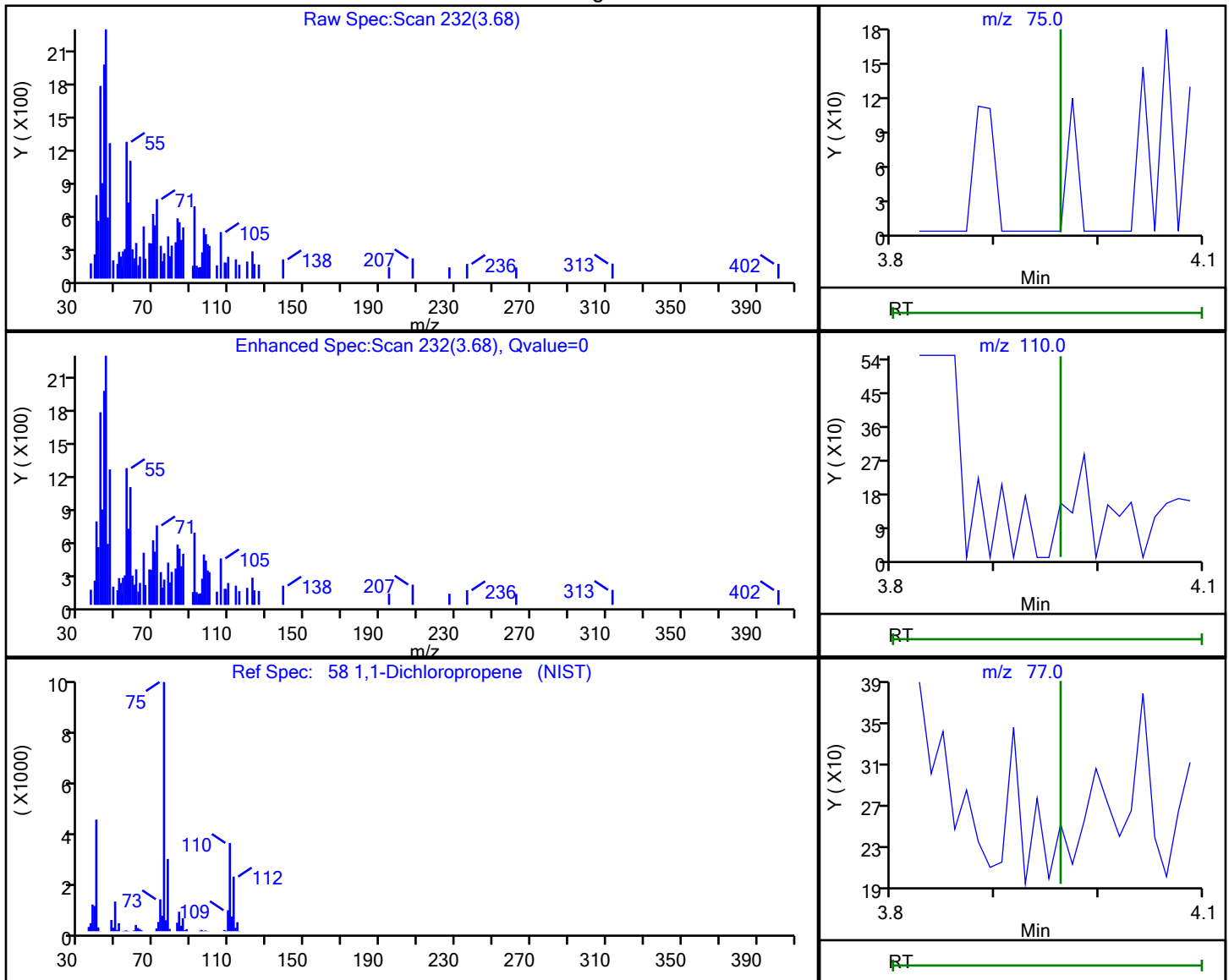
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

58 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
3.68	75.00	363	0.040801
3.69	110.00	329	
3.70	77.00	1401	

Reviewer: K0HS, 05-Jan-2024 07:41:55 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

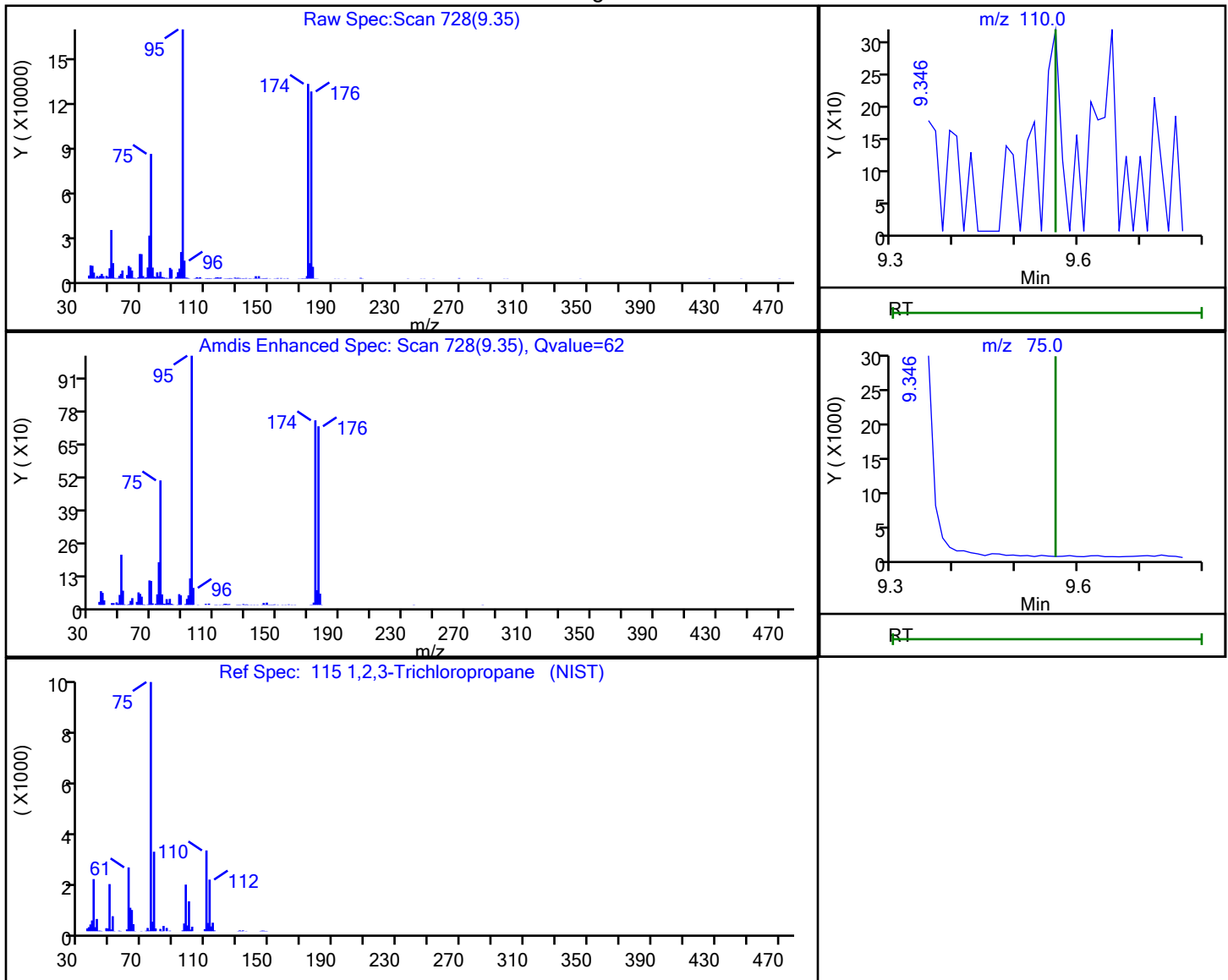
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

115 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
9.35	110.00	732	0.357967
9.35	75.00	141995	

Reviewer: K0HS, 05-Jan-2024 07:43:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

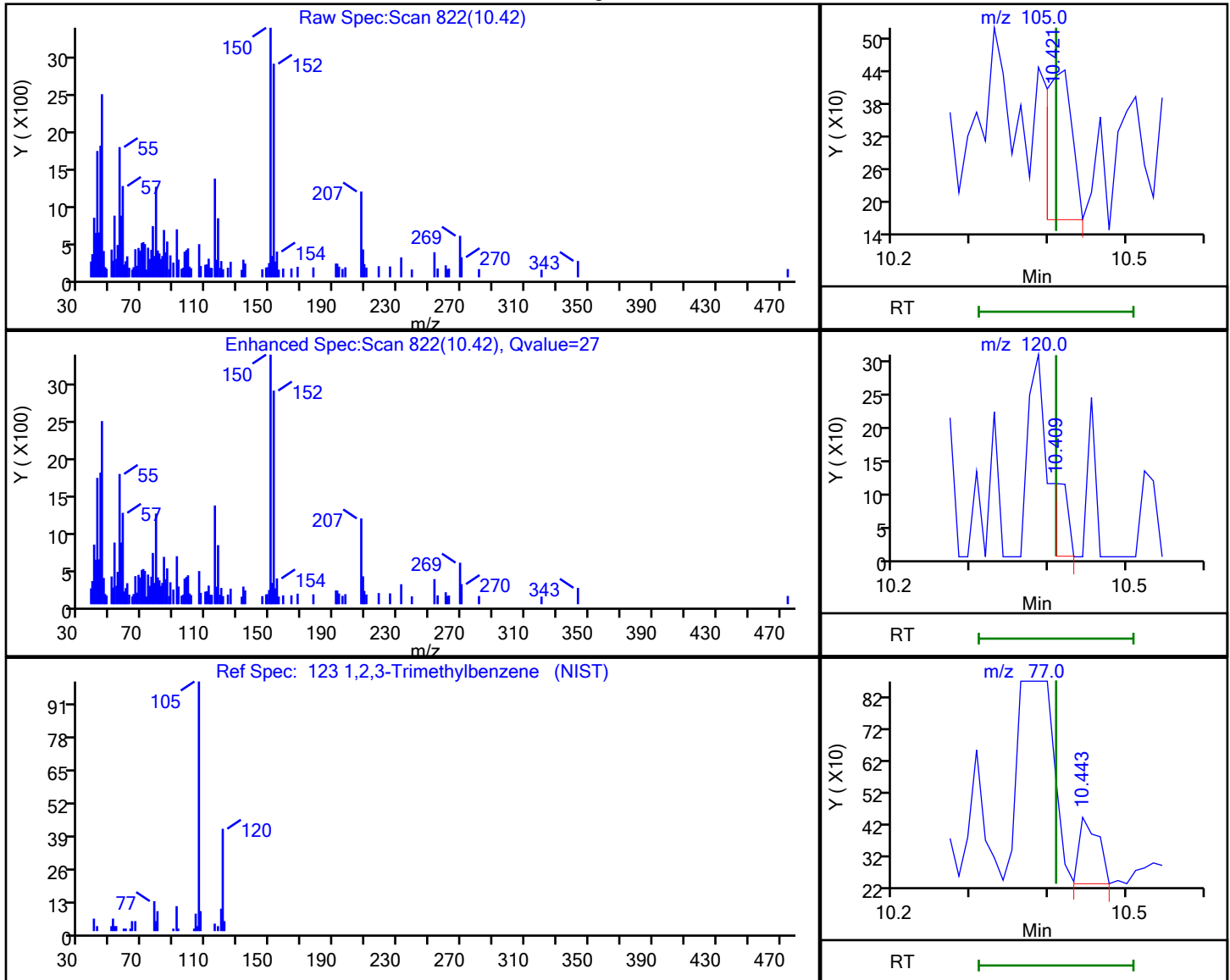
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.42	105.00	633	0.026916
10.41	120.00	149	
10.44	77.00	359	

Reviewer: K0HS, 05-Jan-2024 07:43:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

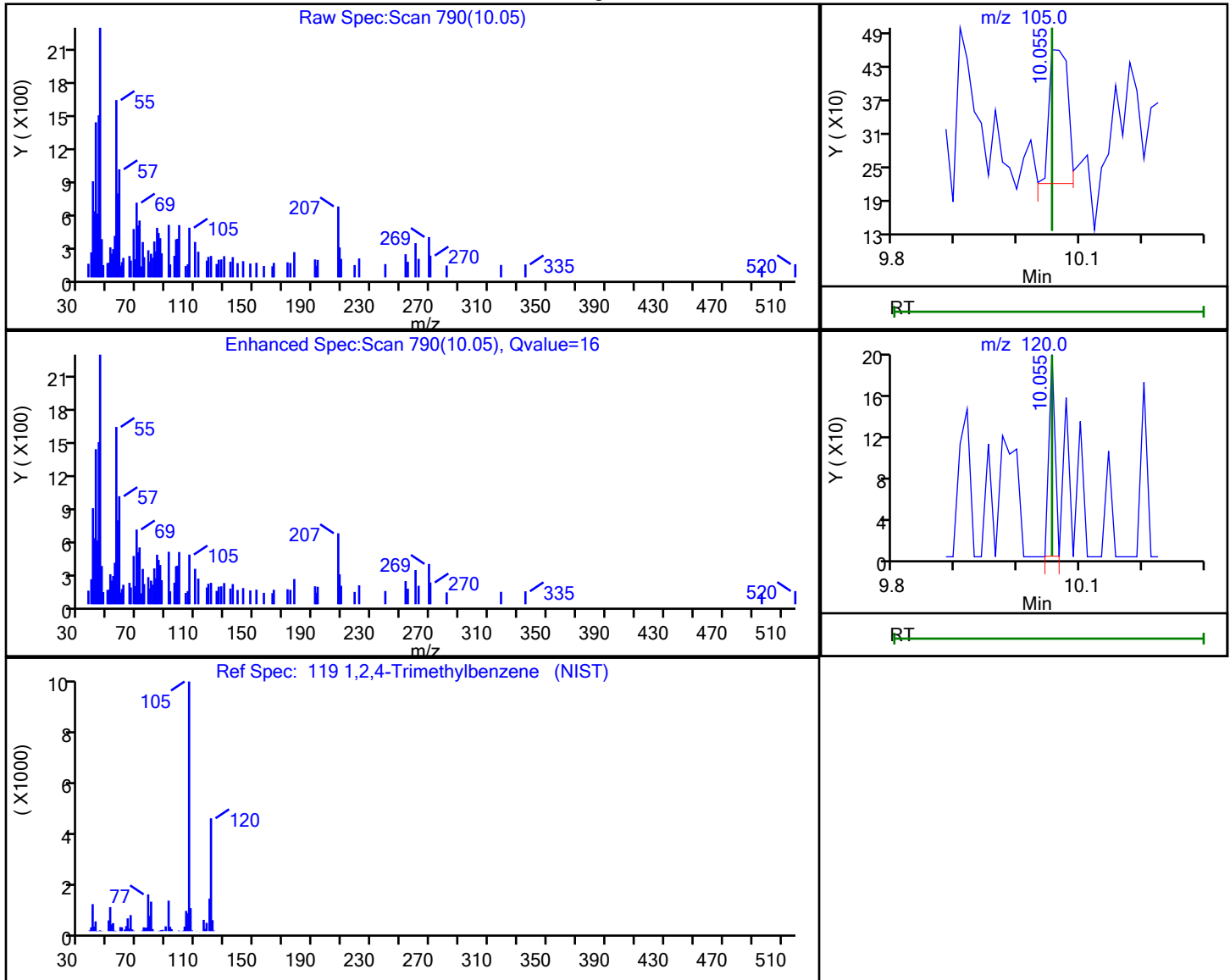
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

119 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
10.05	105.00	501	0.023210
10.05	120.00	135	

Reviewer: K0HS, 05-Jan-2024 07:43:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

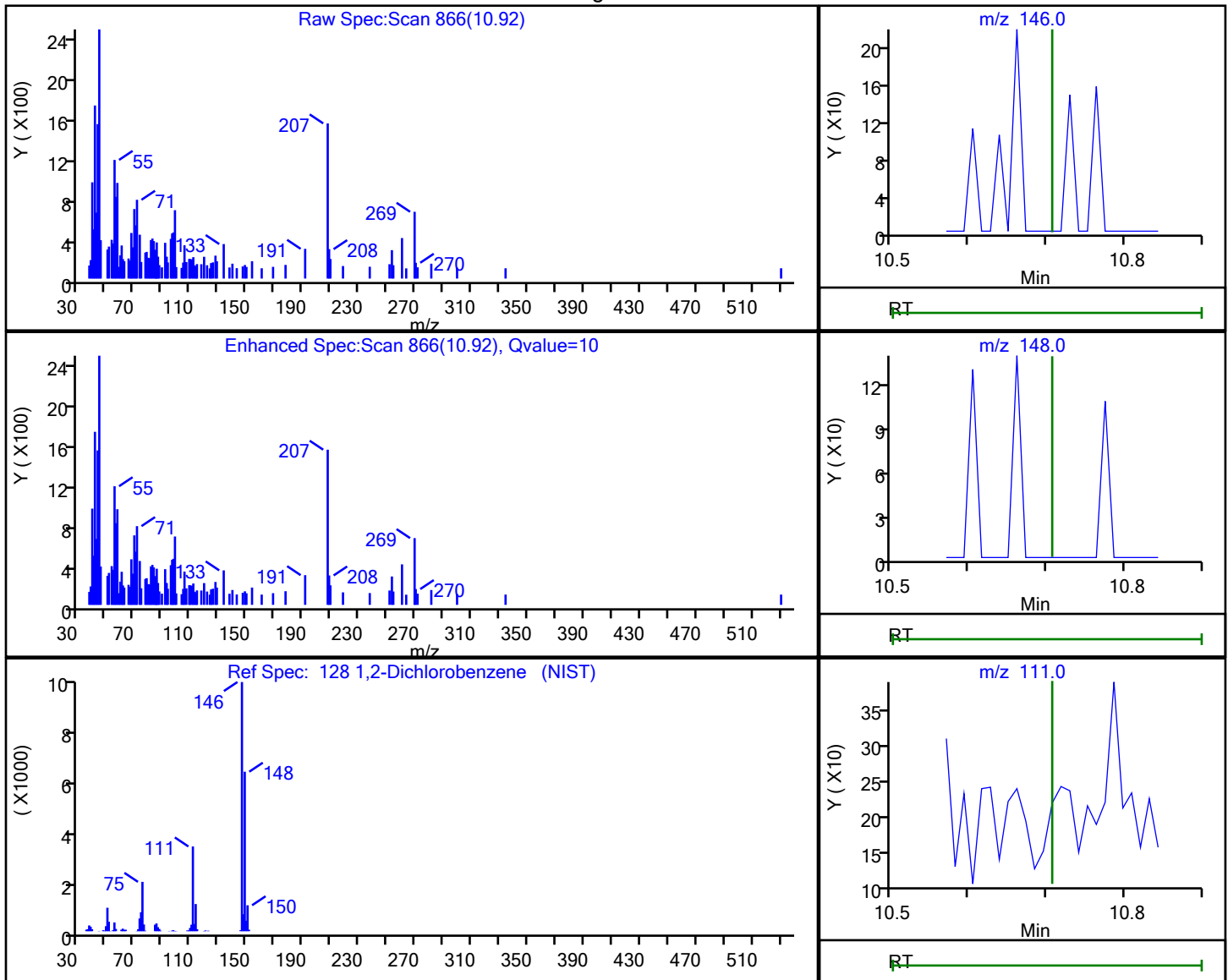
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
10.92	146.00	153	0.014324
10.92	148.00	162	
10.90	111.00	85	

Reviewer: K0HS, 05-Jan-2024 07:43:55 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

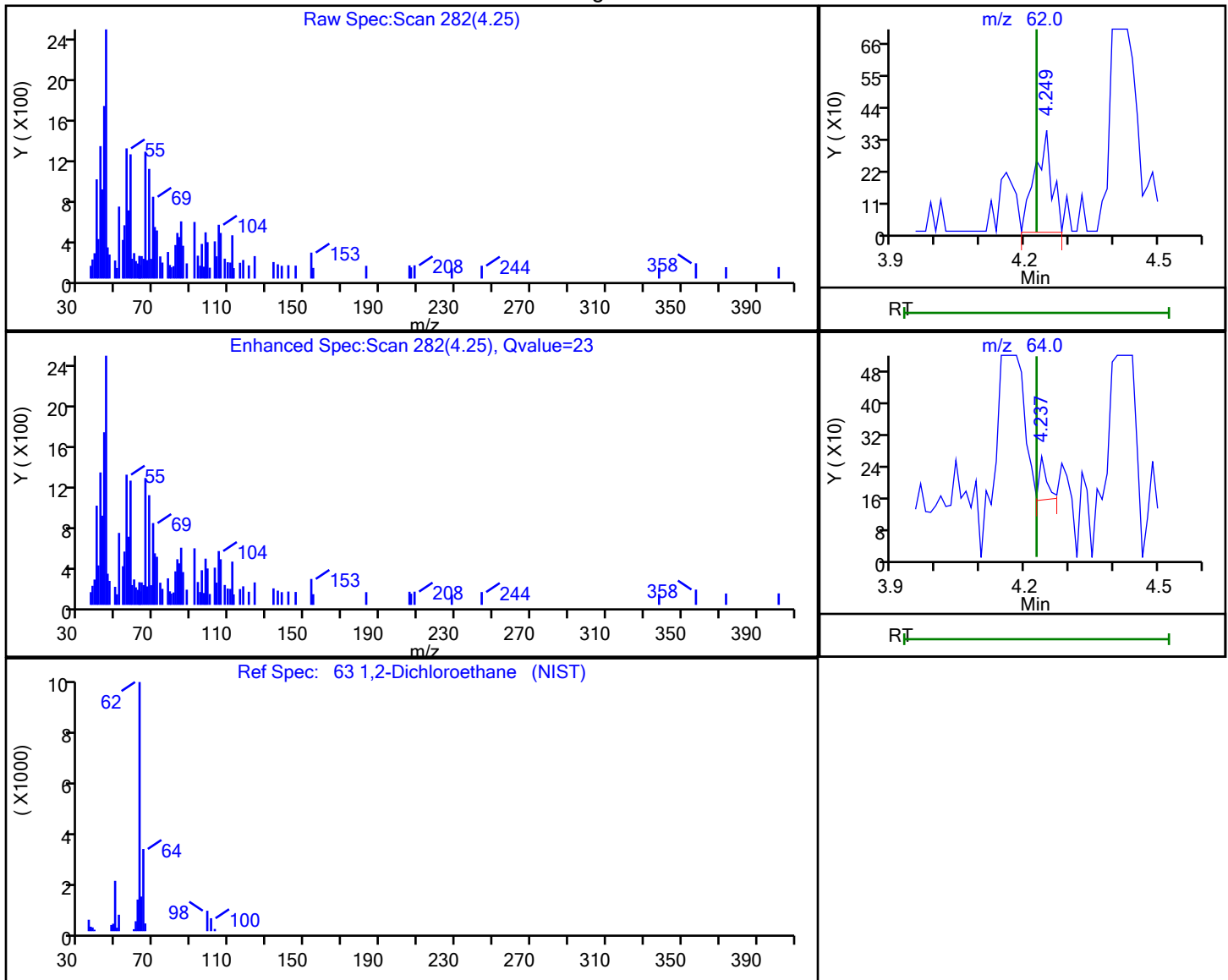
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

63 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
4.25	62.00	933	0.108564
4.24	64.00	129	

Reviewer: K0HS, 05-Jan-2024 07:42:09 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

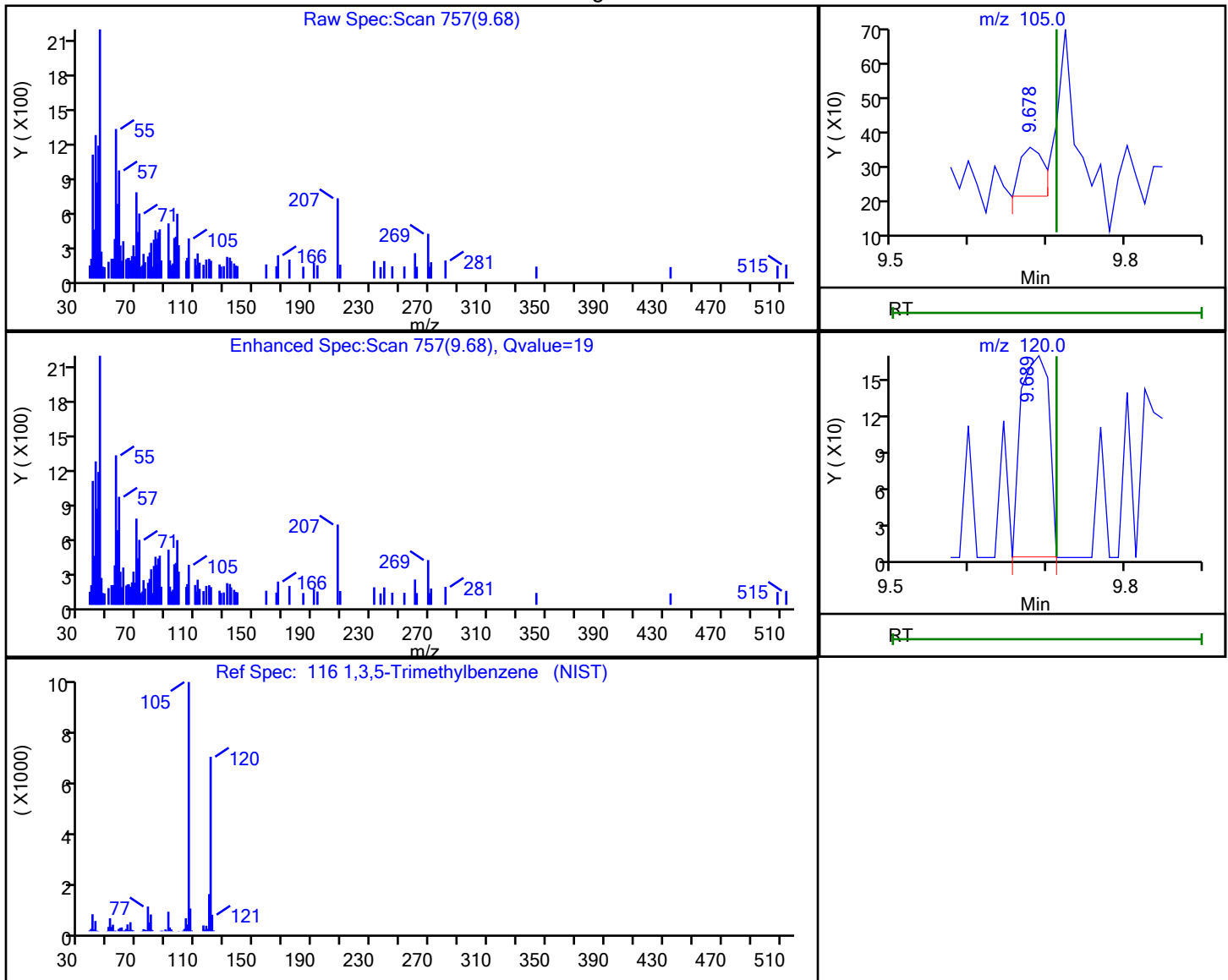
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

116 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
9.68	105.00	322	0.015112
9.69	120.00	413	

Reviewer: K0HS, 05-Jan-2024 07:43:23 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

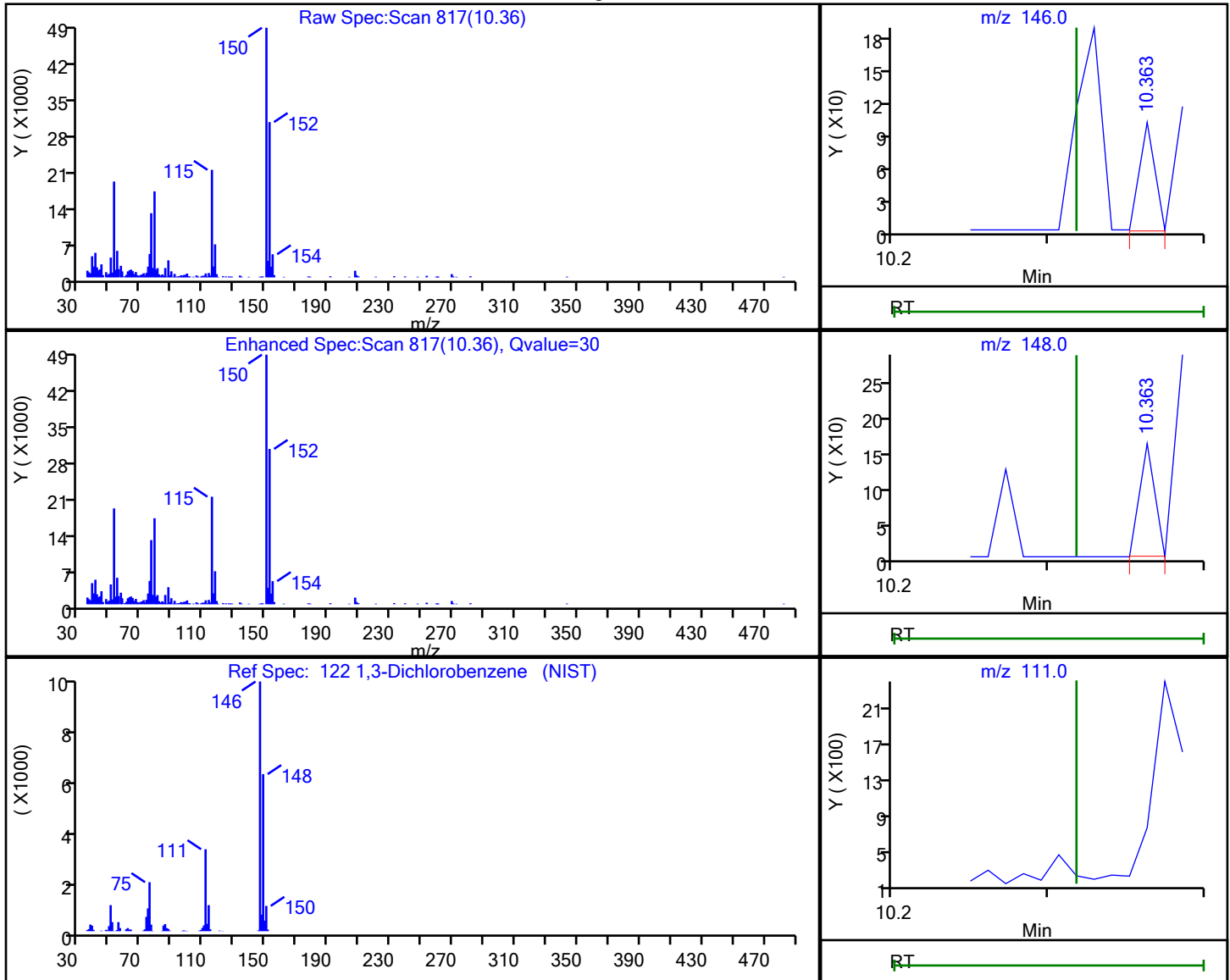
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

122 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.36	146.00	69	0.006017
10.36	148.00	109	
10.37	111.00	3236	

Reviewer: K0HS, 05-Jan-2024 07:43:39 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

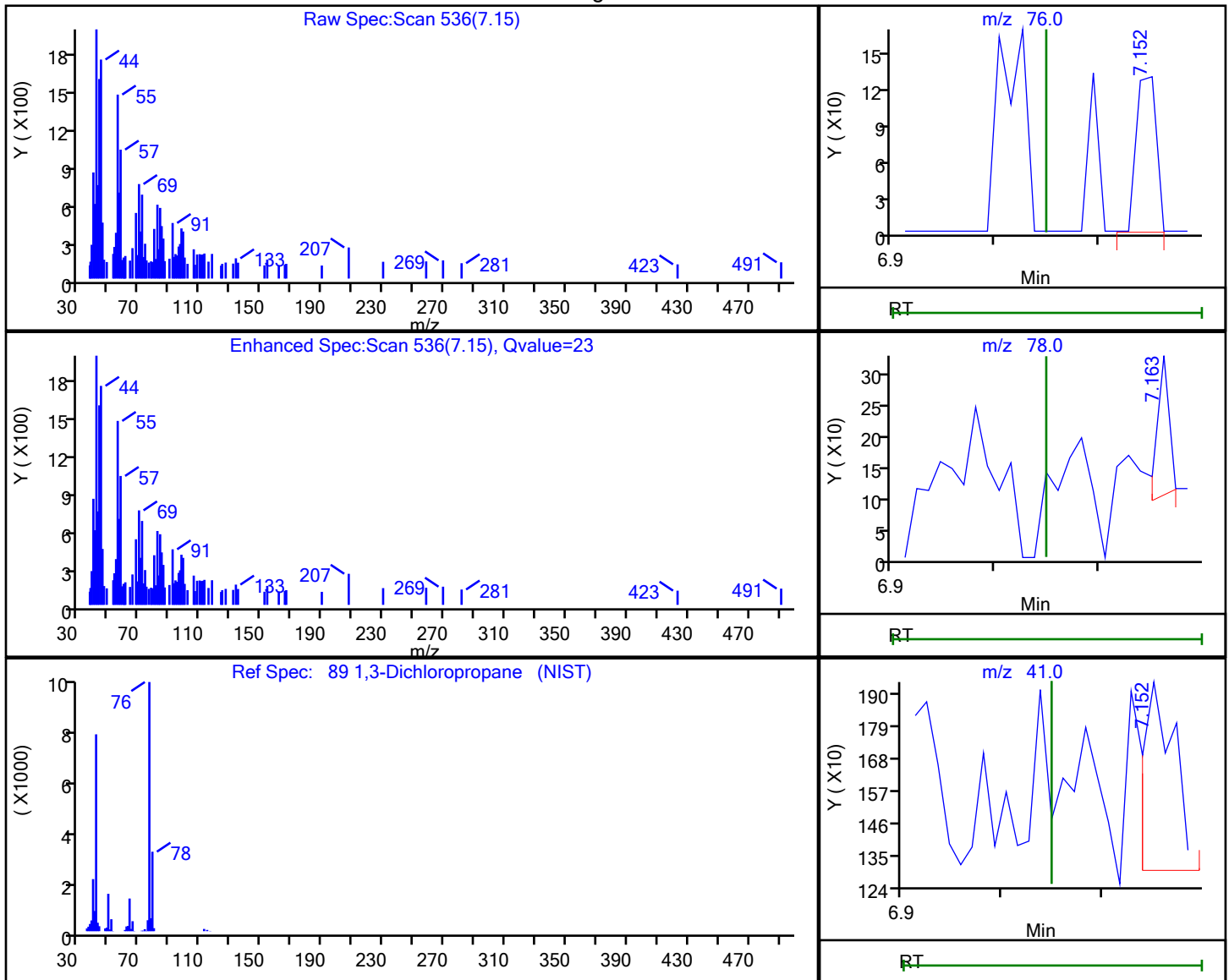
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

89 1,3-Dichloropropane, CAS: 142-28-9

Processing Results



RT	Mass	Response	Amount
7.15	76.00	168	0.017817
7.16	78.00	178	
7.15	41.00	1361	

Reviewer: K0HS, 05-Jan-2024 07:42:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

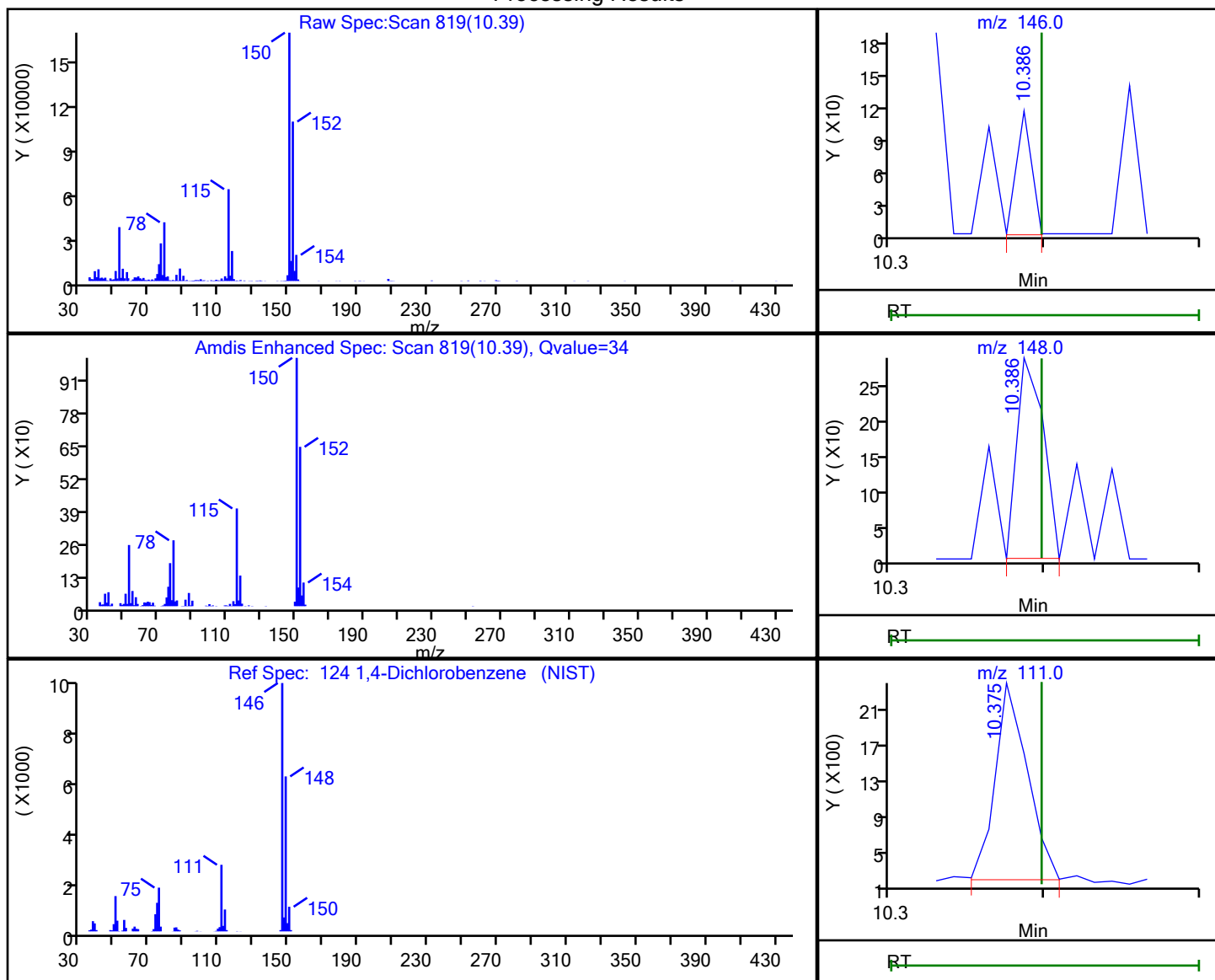
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D
Injection Date: 04-Jan-2024 23:54:30 Instrument ID: CVOAMS7
Lims ID: STD8
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

124 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.39	146.00	80	0.006988
10.39	148.00	338	
10.37	111.00	3150	

Reviewer: K0HS, 05-Jan-2024 07:43:43 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

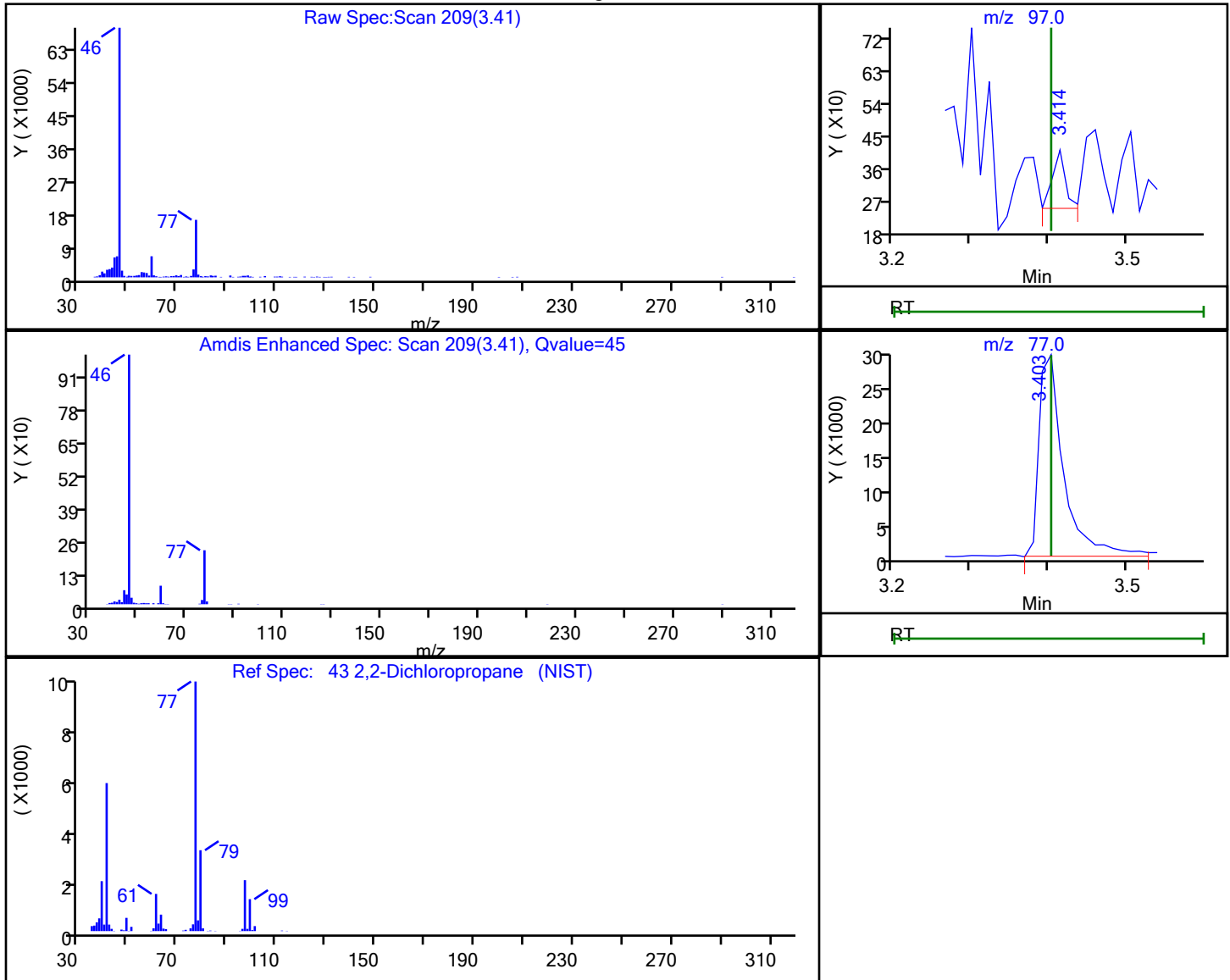
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
3.41	97.00	184	0.094821
3.40	77.00	66025	

Reviewer: K0HS, 05-Jan-2024 07:41:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

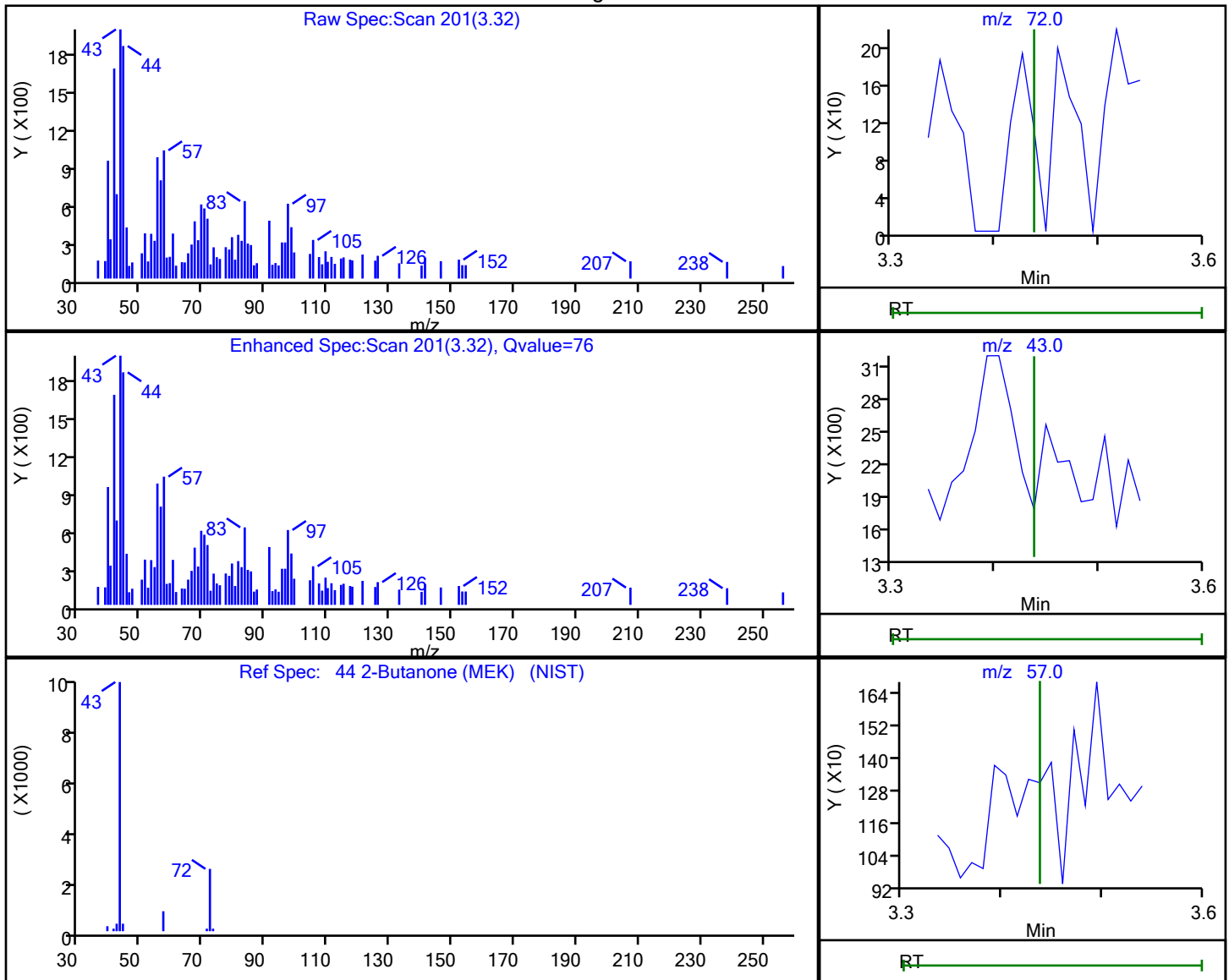
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

44 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
3.32	72.00	222	0.315952
3.32	43.00	1708	
3.31	57.00	359	

Reviewer: K0HS, 05-Jan-2024 07:41:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

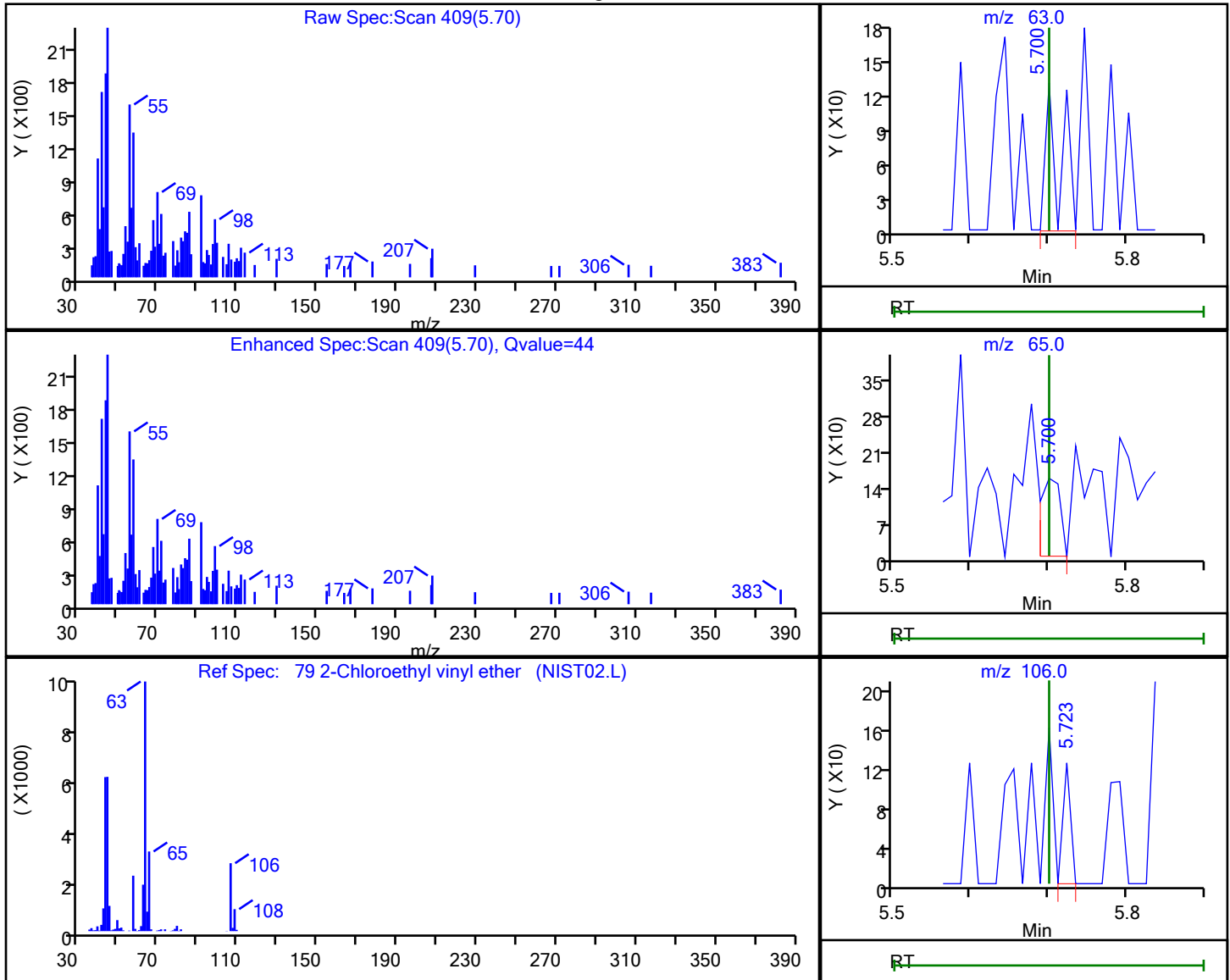
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
5.70	63.00	171	0.052797
5.70	65.00	276	
5.72	106.00	84	

Reviewer: K0HS, 05-Jan-2024 07:42:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

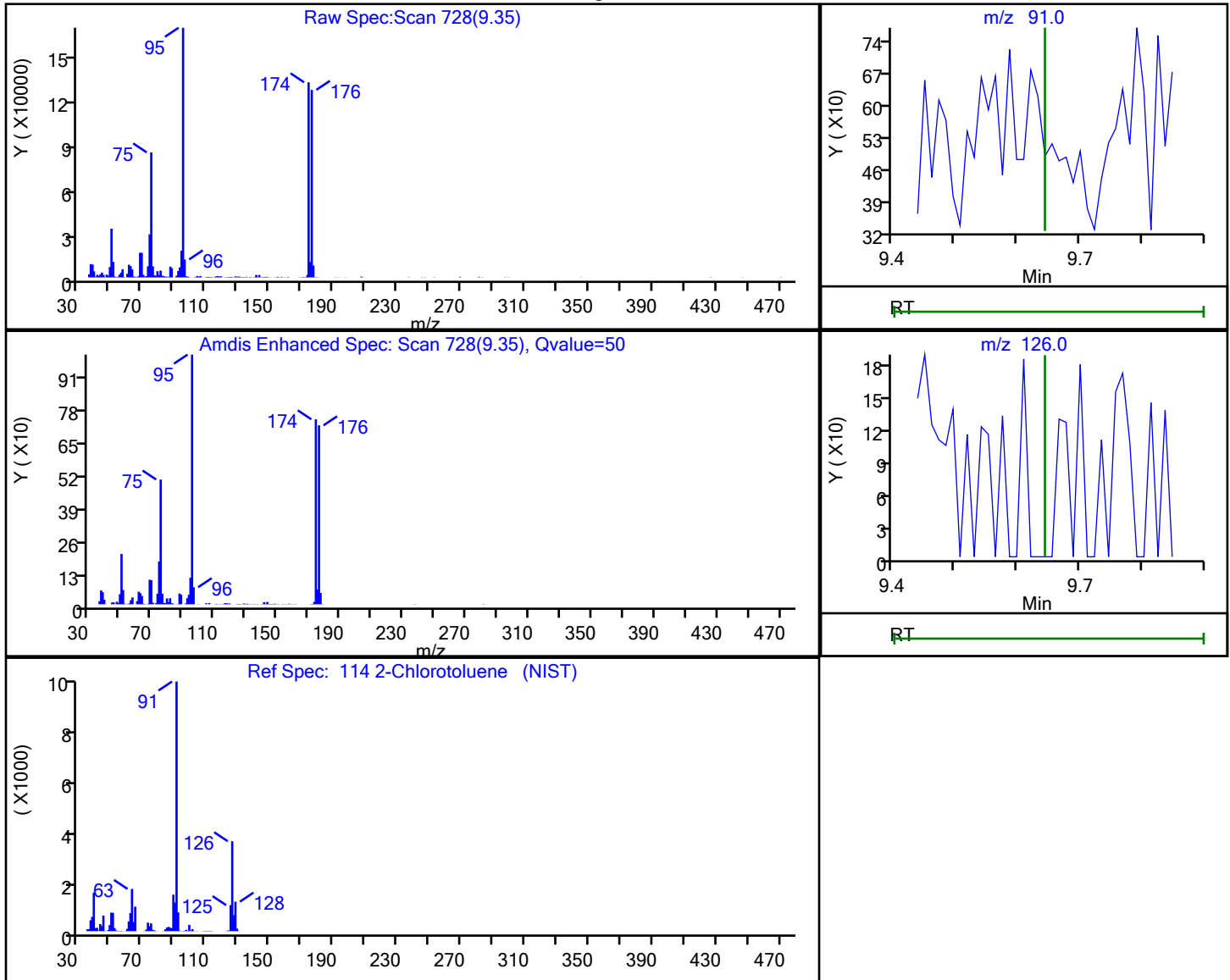
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

114 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
9.35	91.00	1881	0.090516
9.35	126.00	349	

Reviewer: K0HS, 05-Jan-2024 07:43:22 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

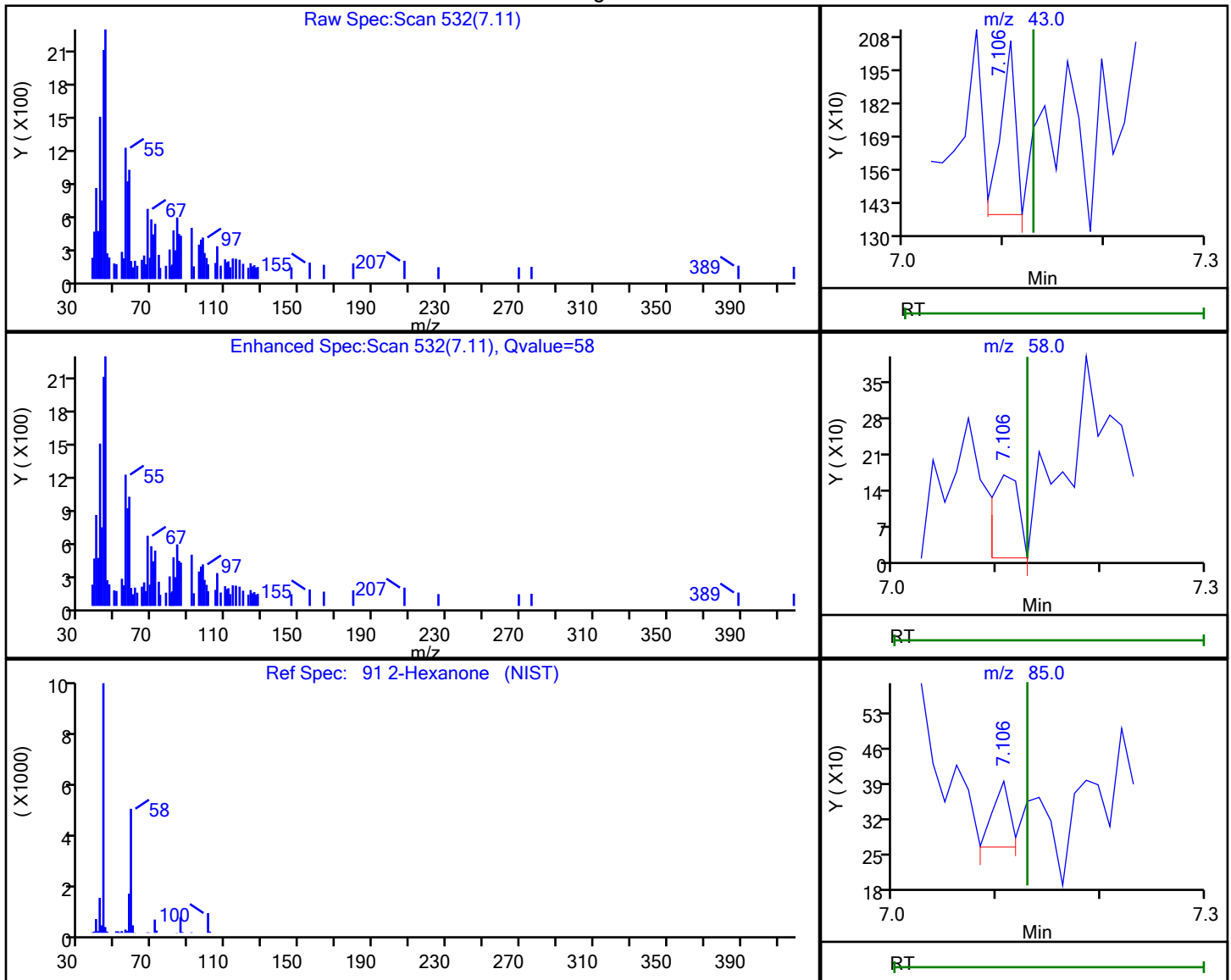
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

91 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.11	43.00	711	0.209656
7.11	58.00	295	
7.11	85.00	146	
7.09	100.00	398	

Reviewer: K0HS, 05-Jan-2024 07:42:49 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

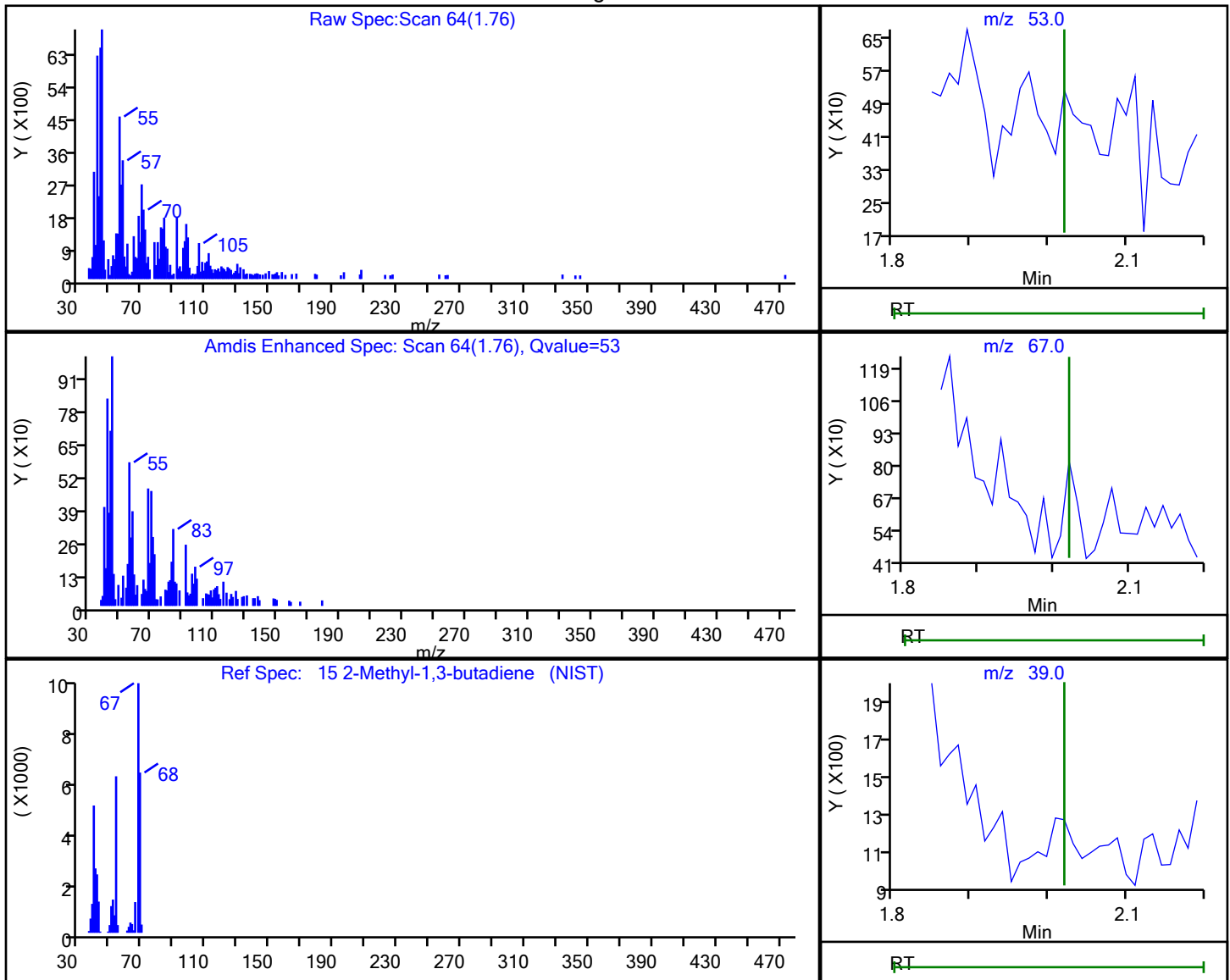
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

15 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
1.76	53.00	2647	0.501158
1.75	67.00	3438	
1.77	39.00	4631	

Reviewer: K0HS, 05-Jan-2024 07:40:37 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

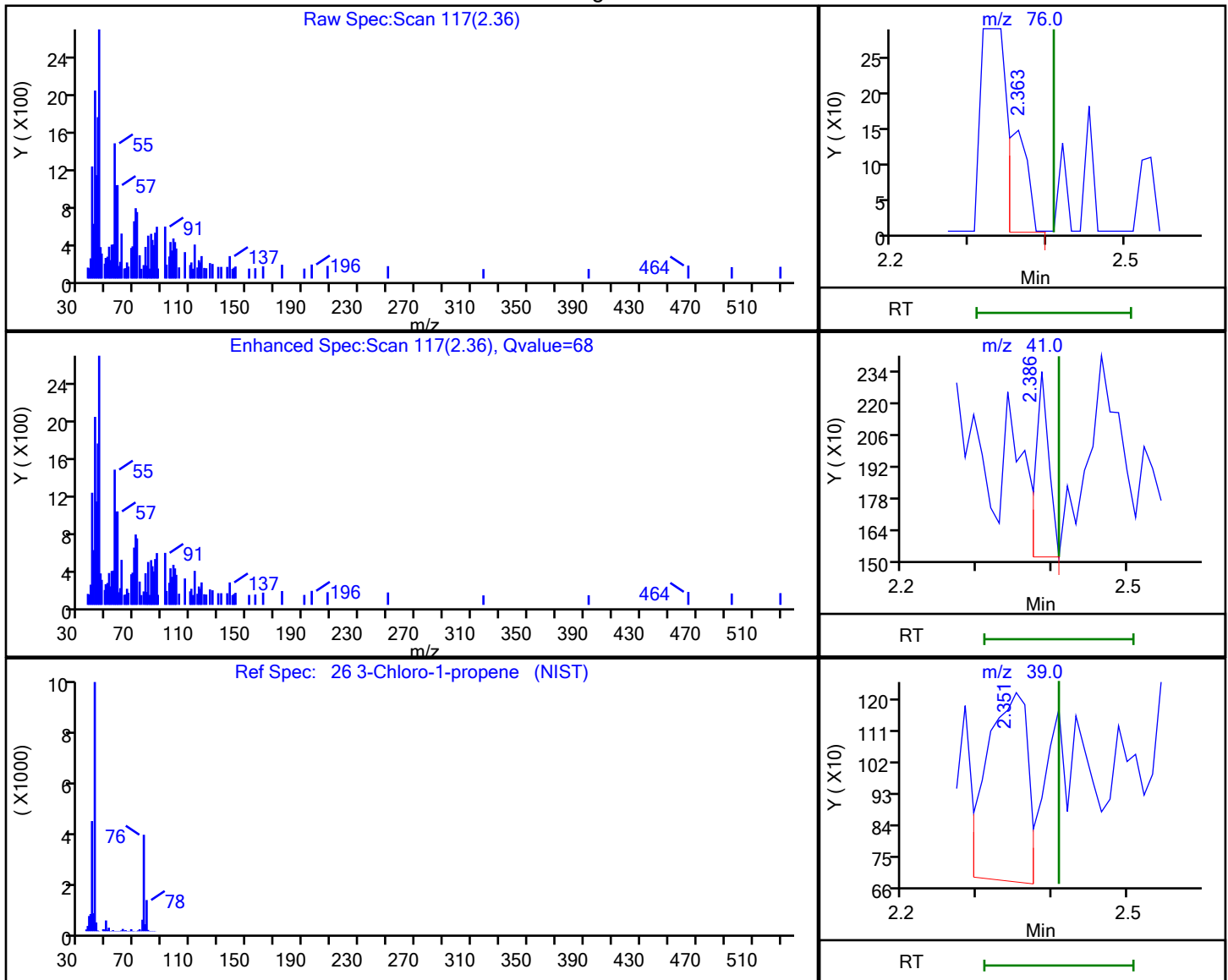
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.36	76.00	256	0.064739
2.39	41.00	1015	
2.35	39.00	2139	

Reviewer: K0HS, 05-Jan-2024 07:41:06 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

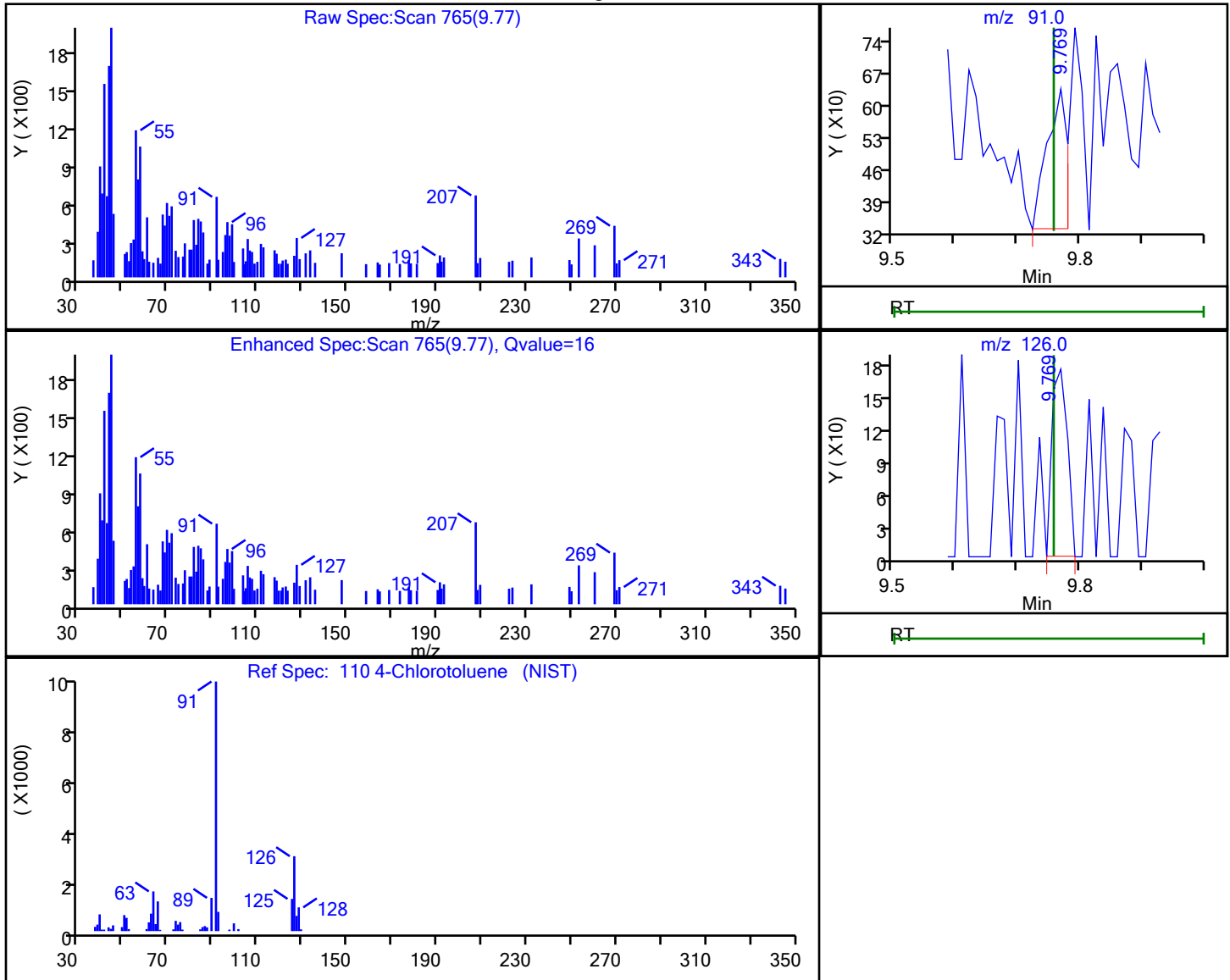
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

110 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
9.77	91.00	691	0.034231
9.77	126.00	291	

Reviewer: K0HS, 05-Jan-2024 07:43:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

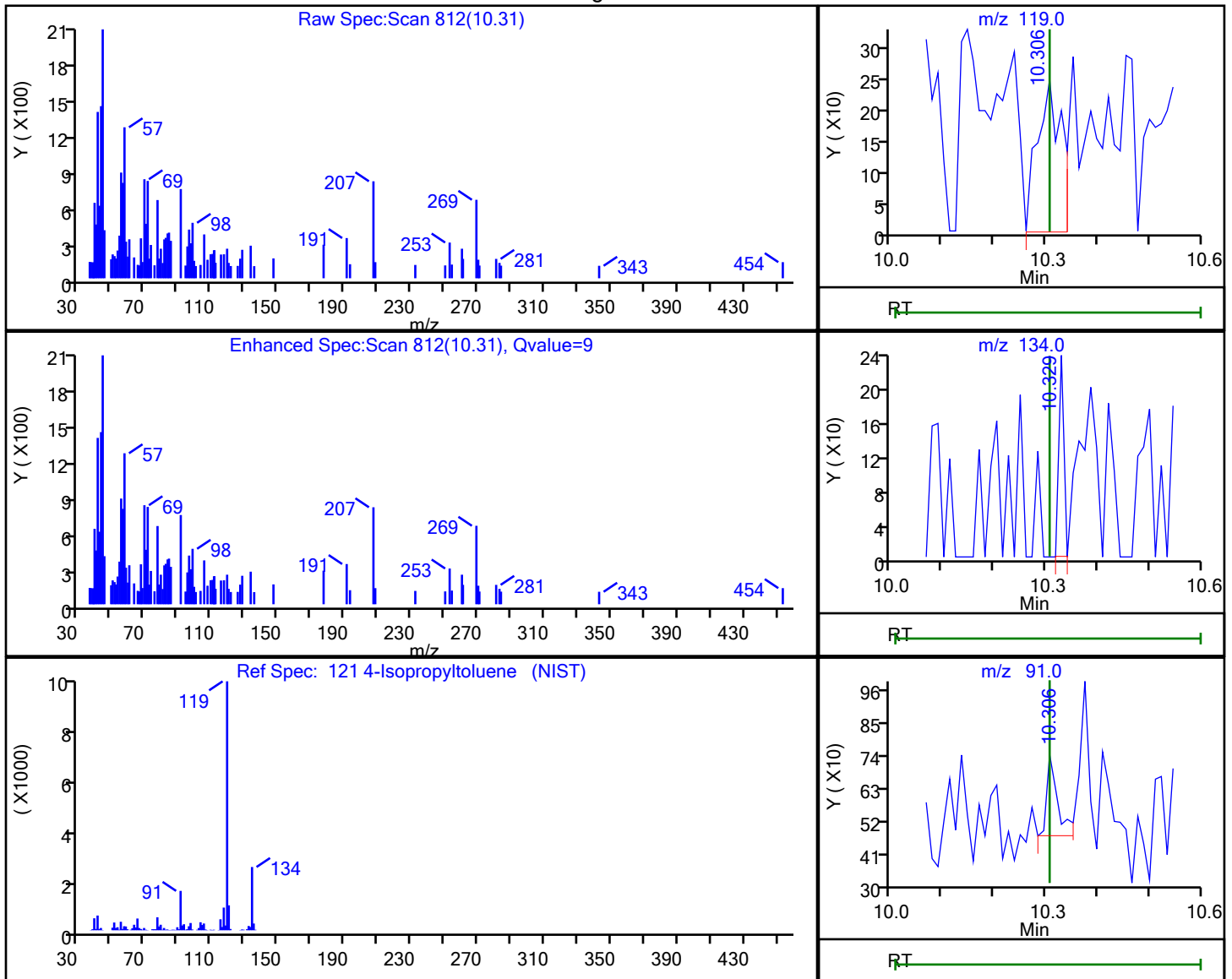
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

121 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.31	119.00	798	0.037548
10.33	134.00	165	
10.31	91.00	405	

Reviewer: K0HS, 05-Jan-2024 07:43:38 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

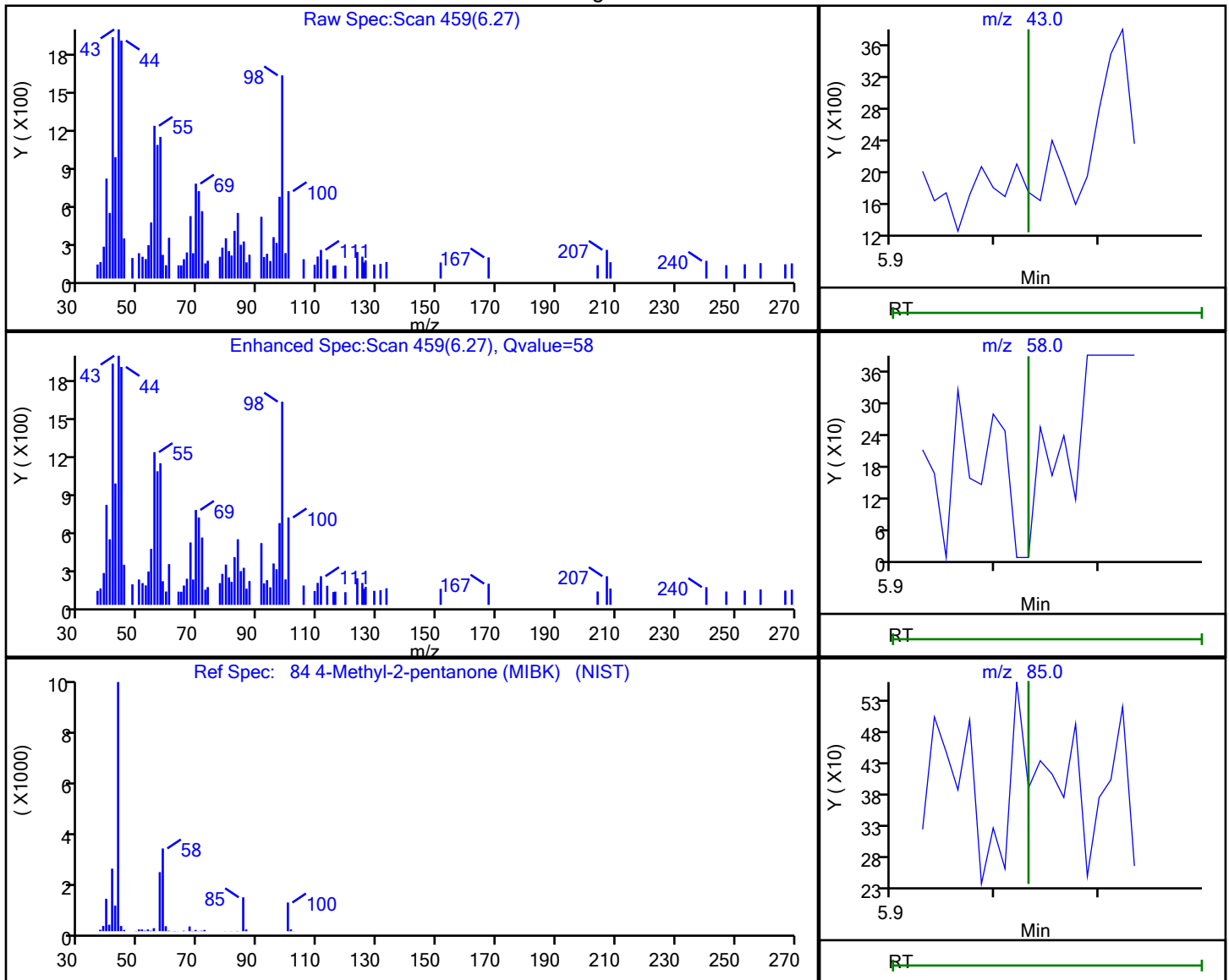
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

84 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.27	43.00	1044	0.194337
6.26	58.00	182	
6.26	85.00	472	
6.28	100.00	1308	

Reviewer: K0HS, 05-Jan-2024 07:42:36 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

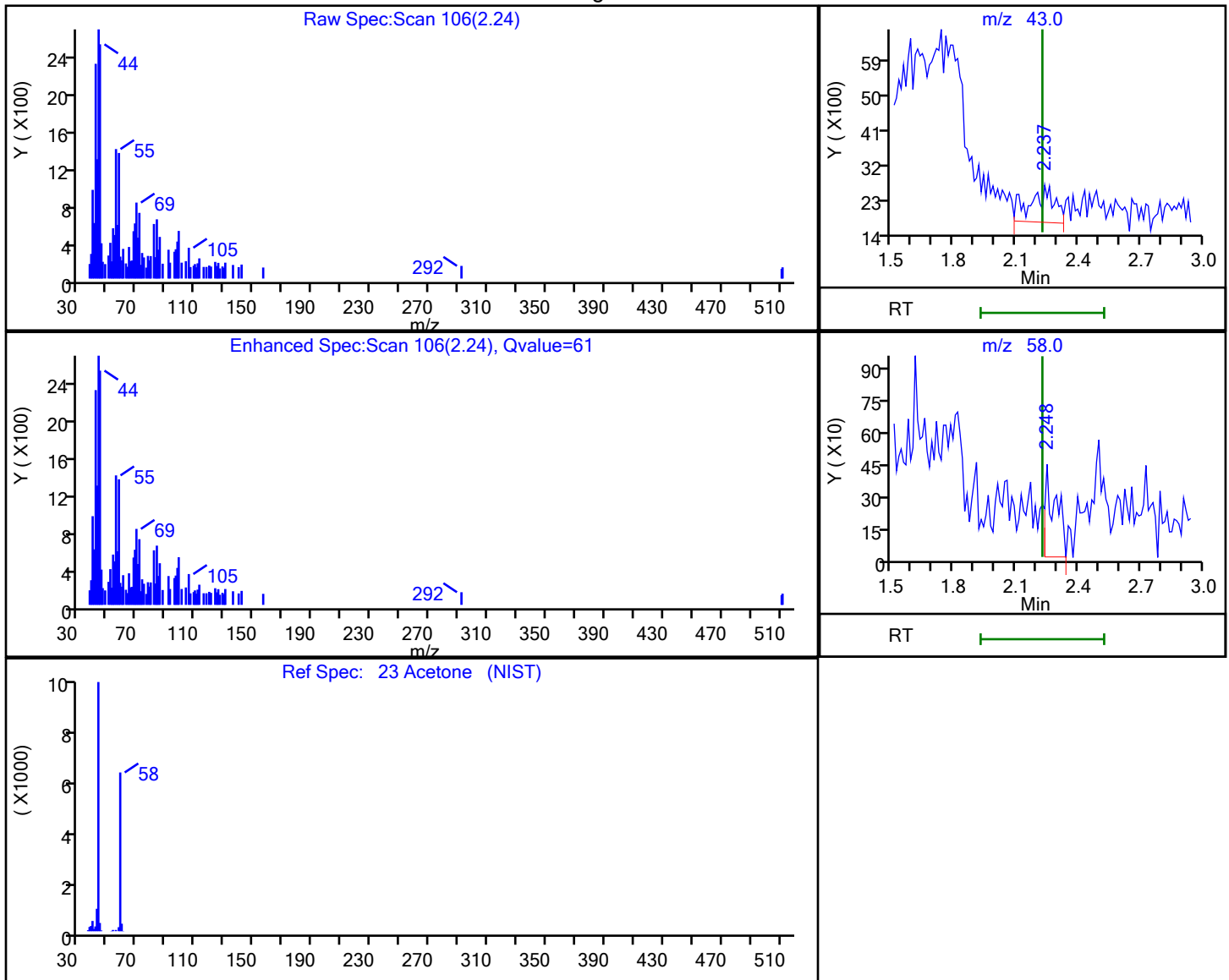
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

23 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
2.24	43.00	7735	7.043683
2.25	58.00	1558	

Reviewer: K0HS, 05-Jan-2024 07:40:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

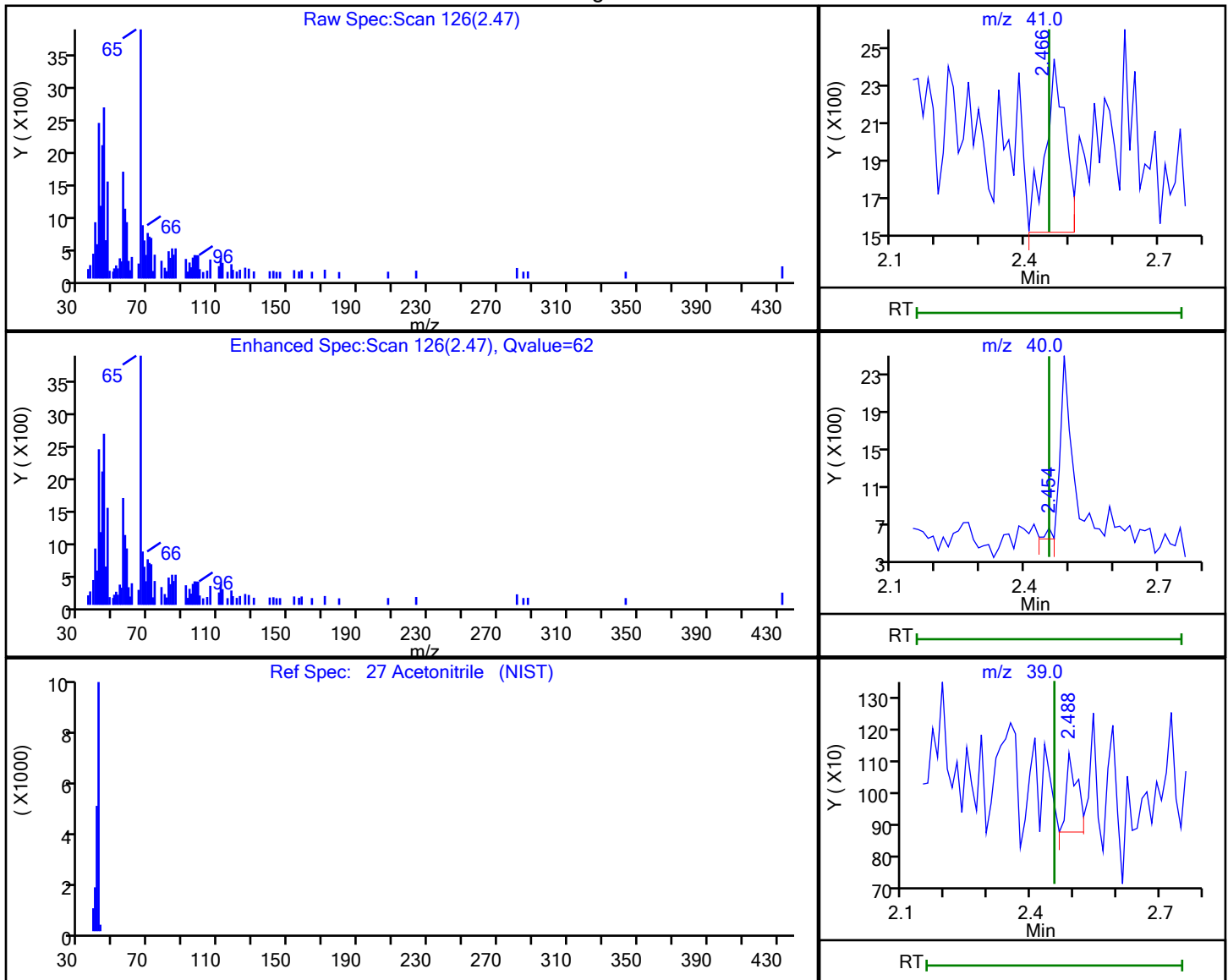
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

27 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.47	41.00	2811	3.719973
2.45	40.00	95	
2.49	39.00	447	
2.49	38.00	2159	

Reviewer: K0HS, 05-Jan-2024 07:41:04 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

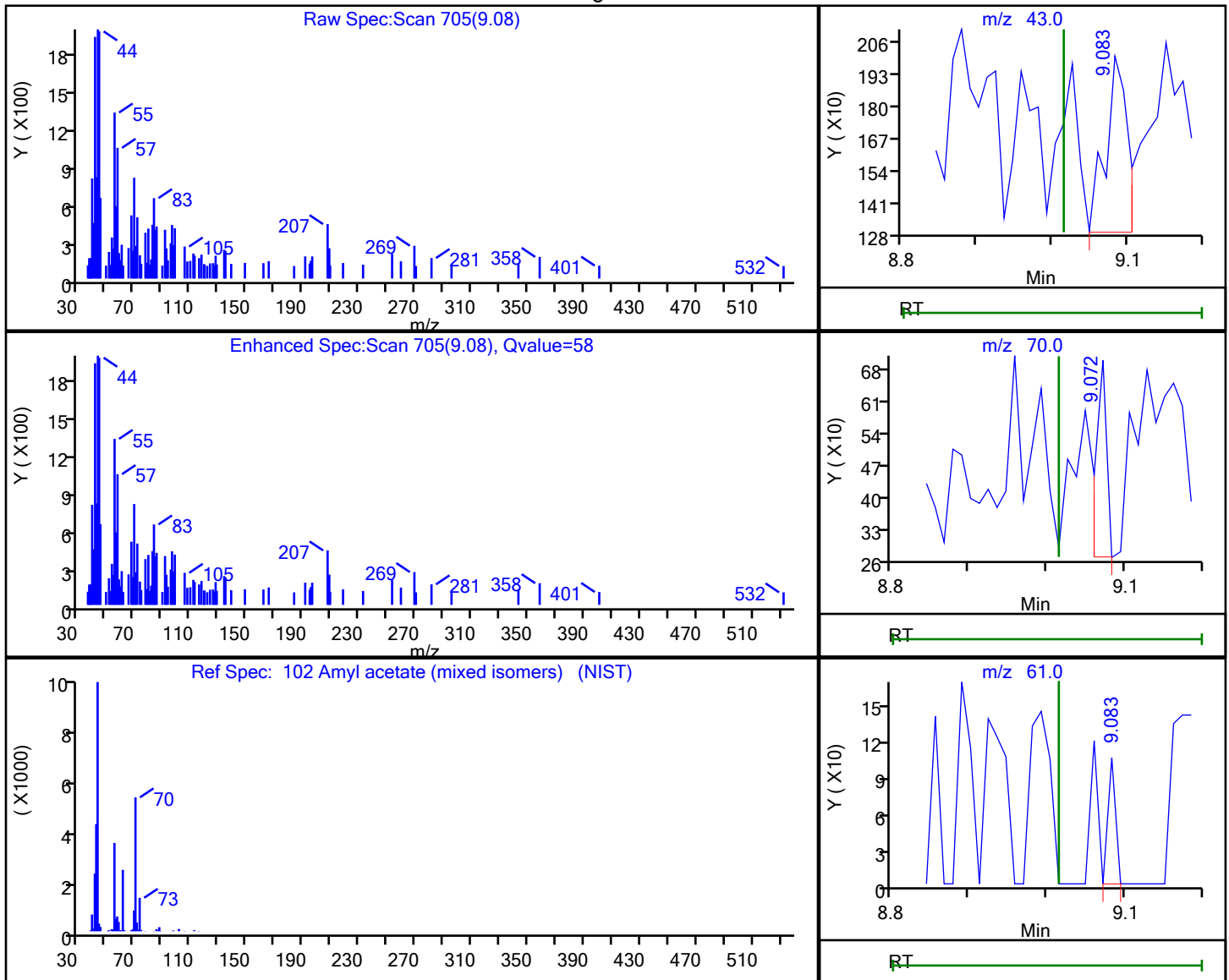
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

102 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
9.08	43.00	1426	0.137628
9.07	70.00	424	
9.08	61.00	71	

Reviewer: K0HS, 05-Jan-2024 07:43:09 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

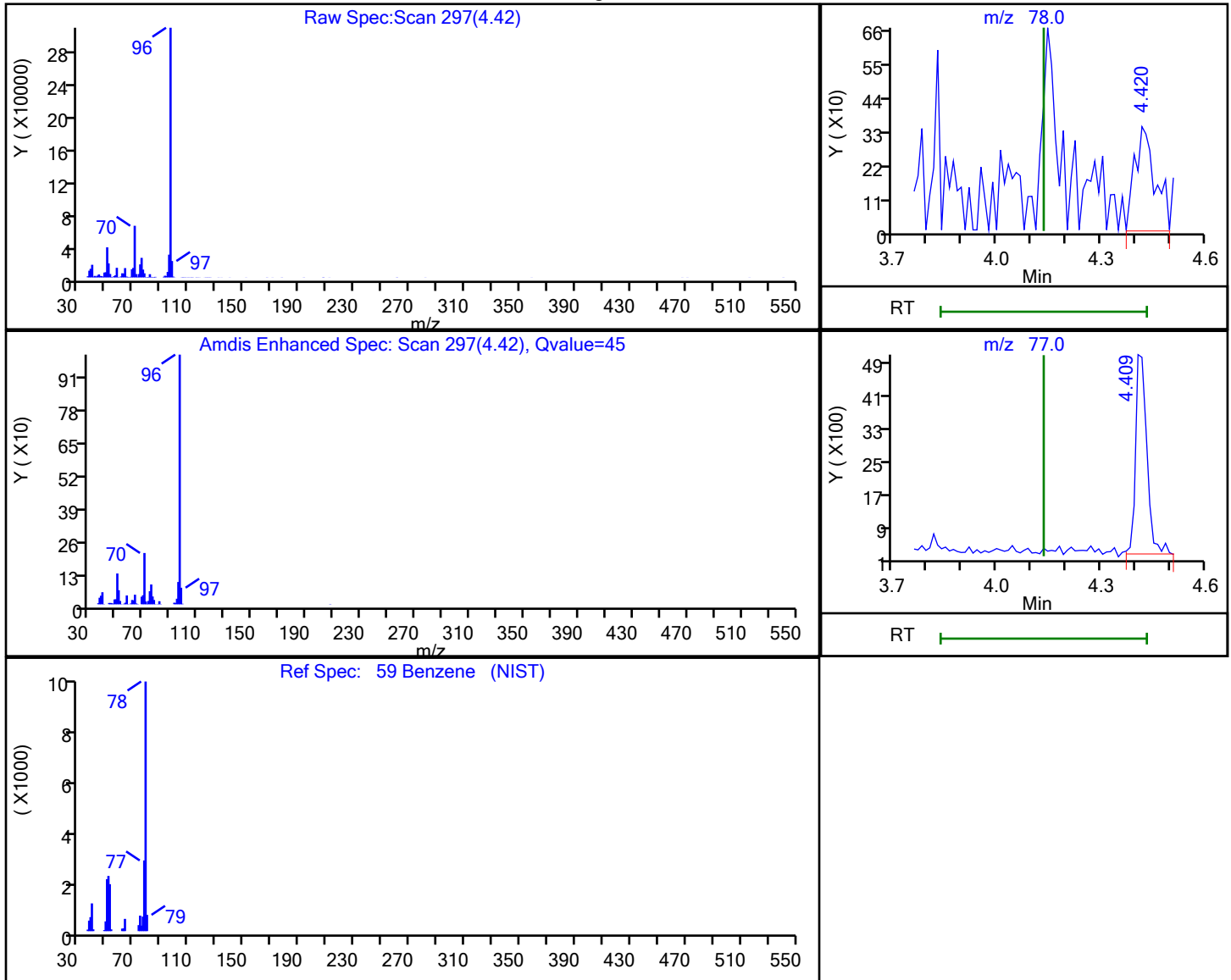
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

59 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
4.42	78.00	1383	0.052177
4.41	77.00	11255	

Reviewer: K0HS, 05-Jan-2024 07:41:58 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

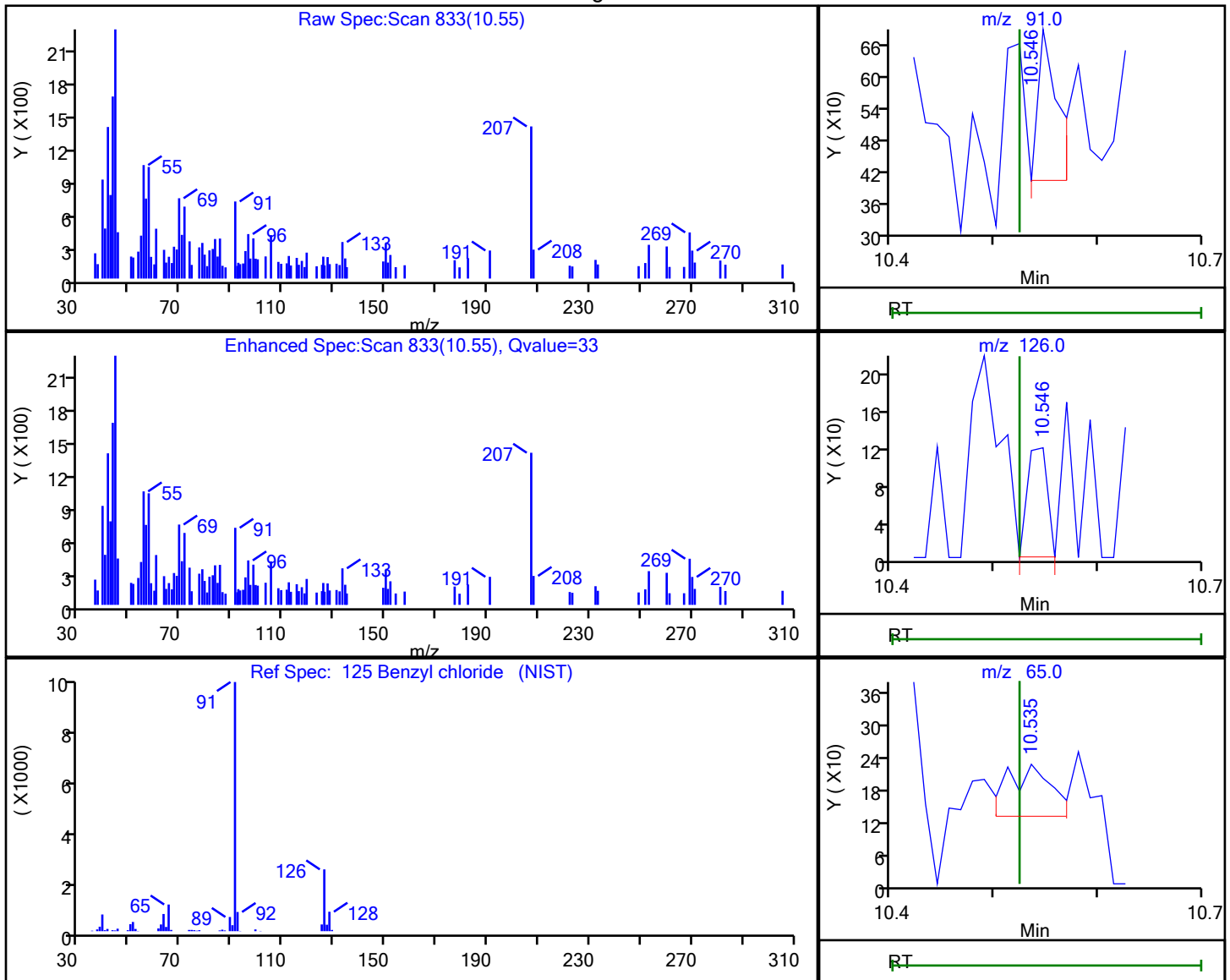
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

125 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
10.55	91.00	390	0.030653
10.55	126.00	160	
10.53	65.00	290	

Reviewer: K0HS, 05-Jan-2024 07:43:46 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

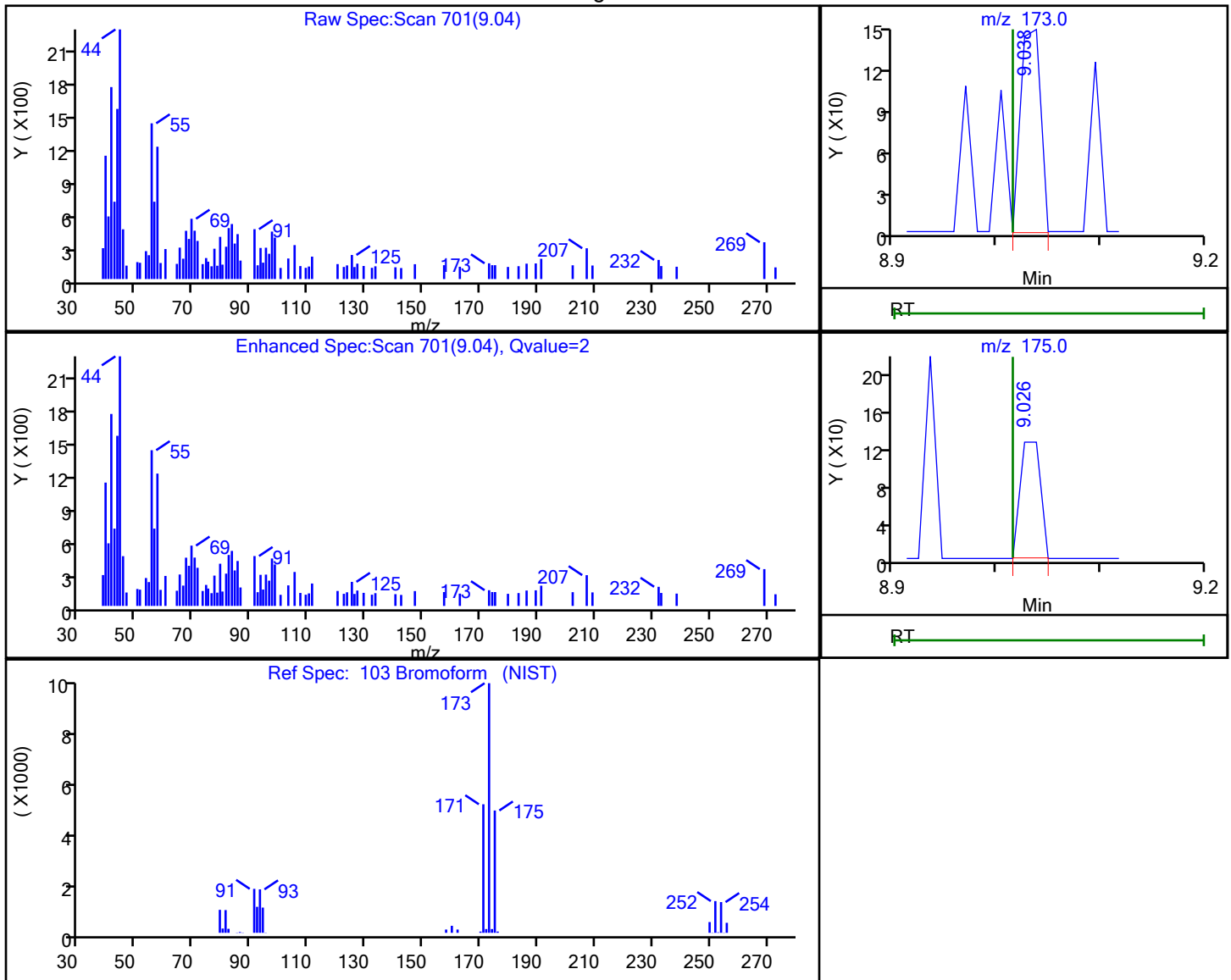
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
9.04	173.00	193	0.051382
9.03	175.00	173	

Reviewer: K0HS, 05-Jan-2024 07:43:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

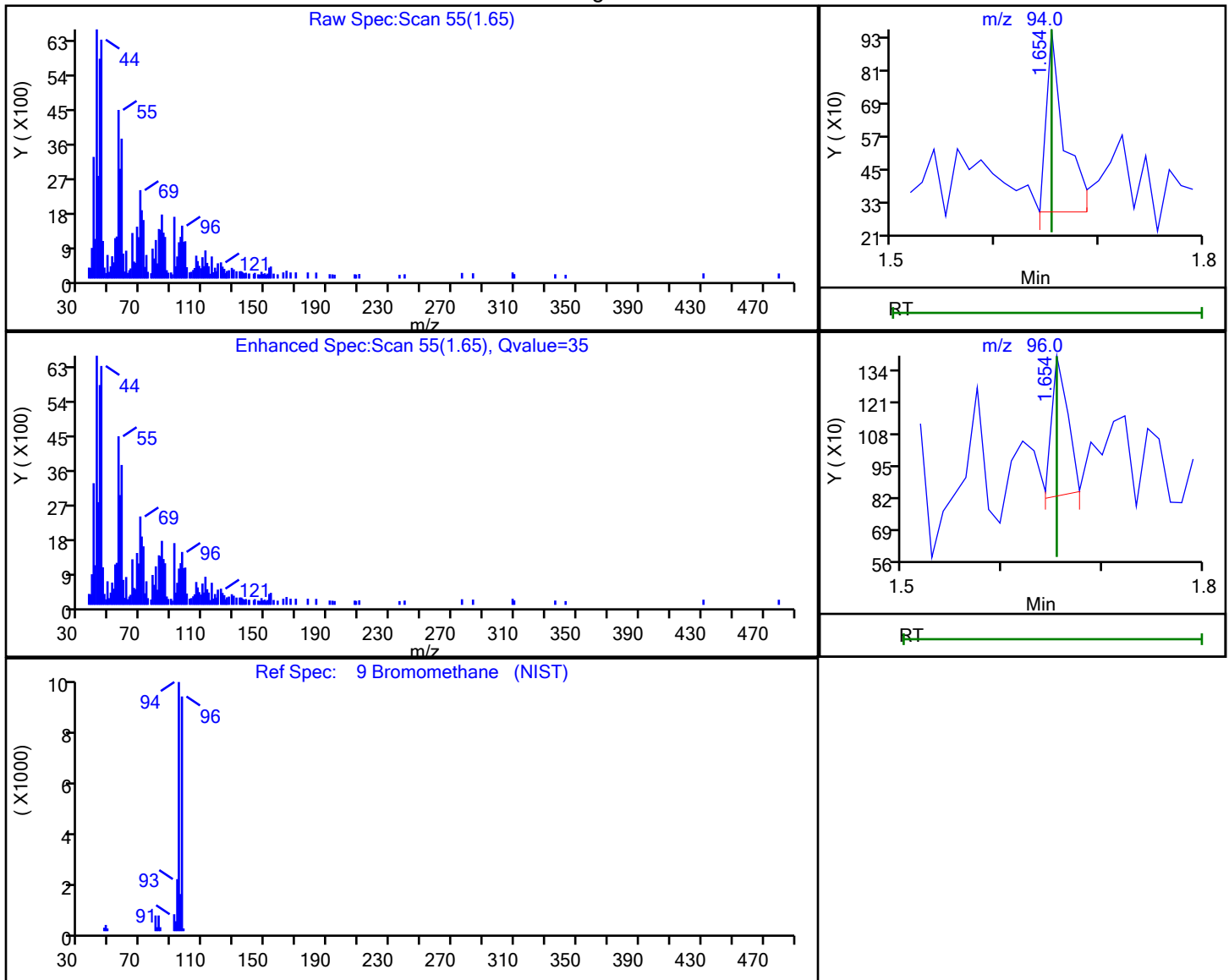
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.65	94.00	821	0.230971
1.65	96.00	642	

Reviewer: K0HS, 05-Jan-2024 07:40:28 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

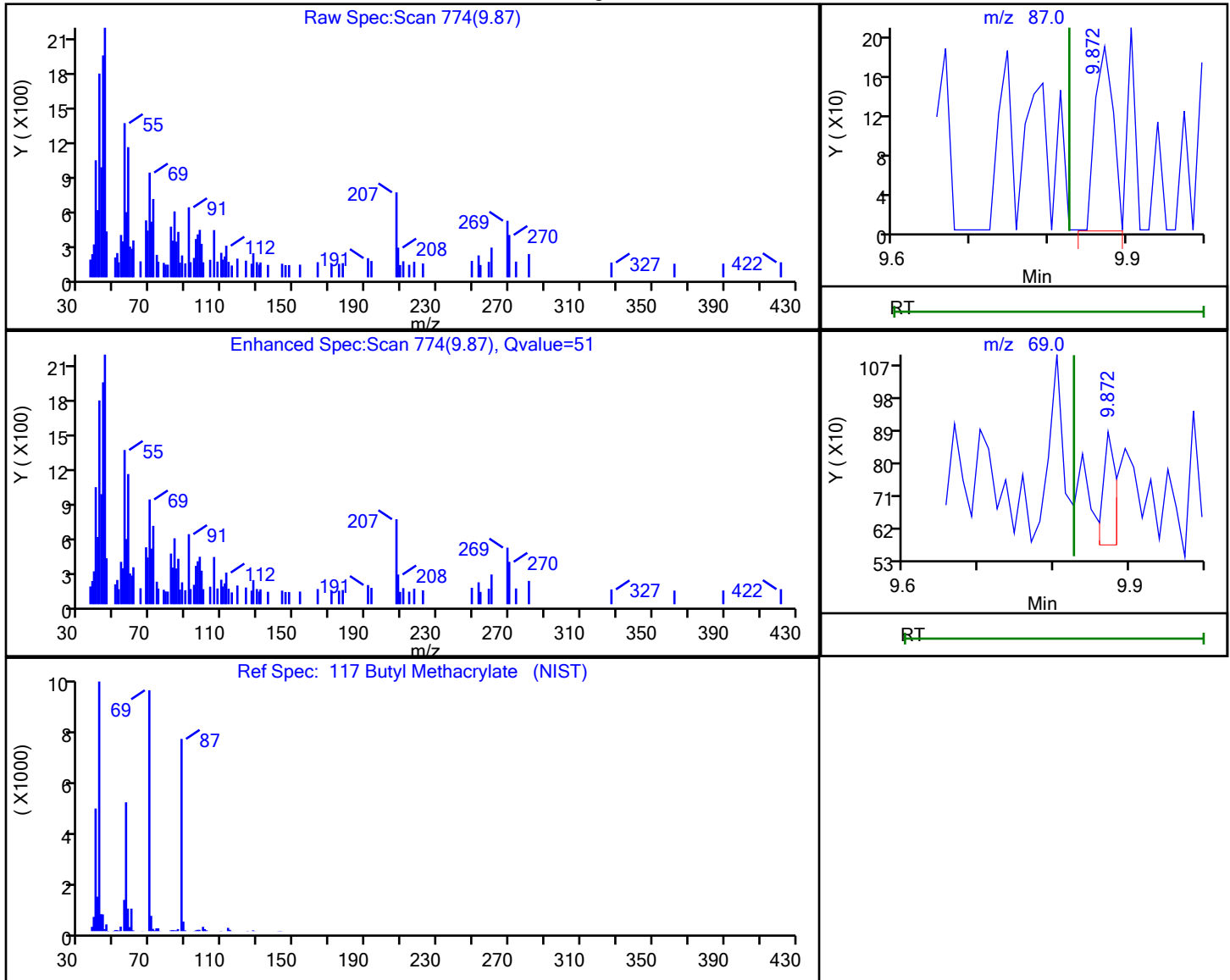
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

117 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
9.87	87.00	300	0.041368
9.87	69.00	378	

Reviewer: K0HS, 05-Jan-2024 07:43:33 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

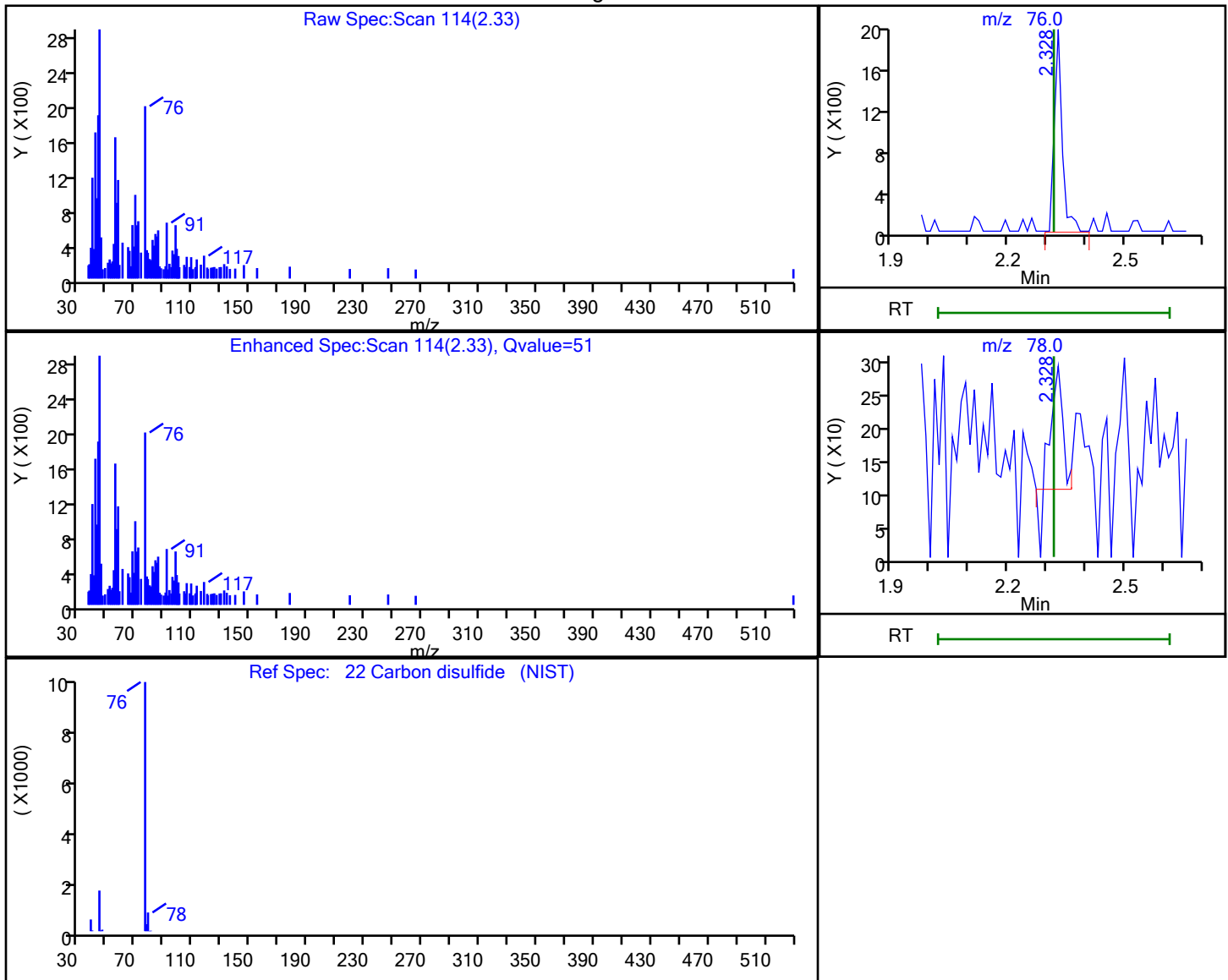
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

22 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.33	76.00	2743	0.222701
2.33	78.00	345	

Reviewer: K0HS, 05-Jan-2024 07:40:57 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

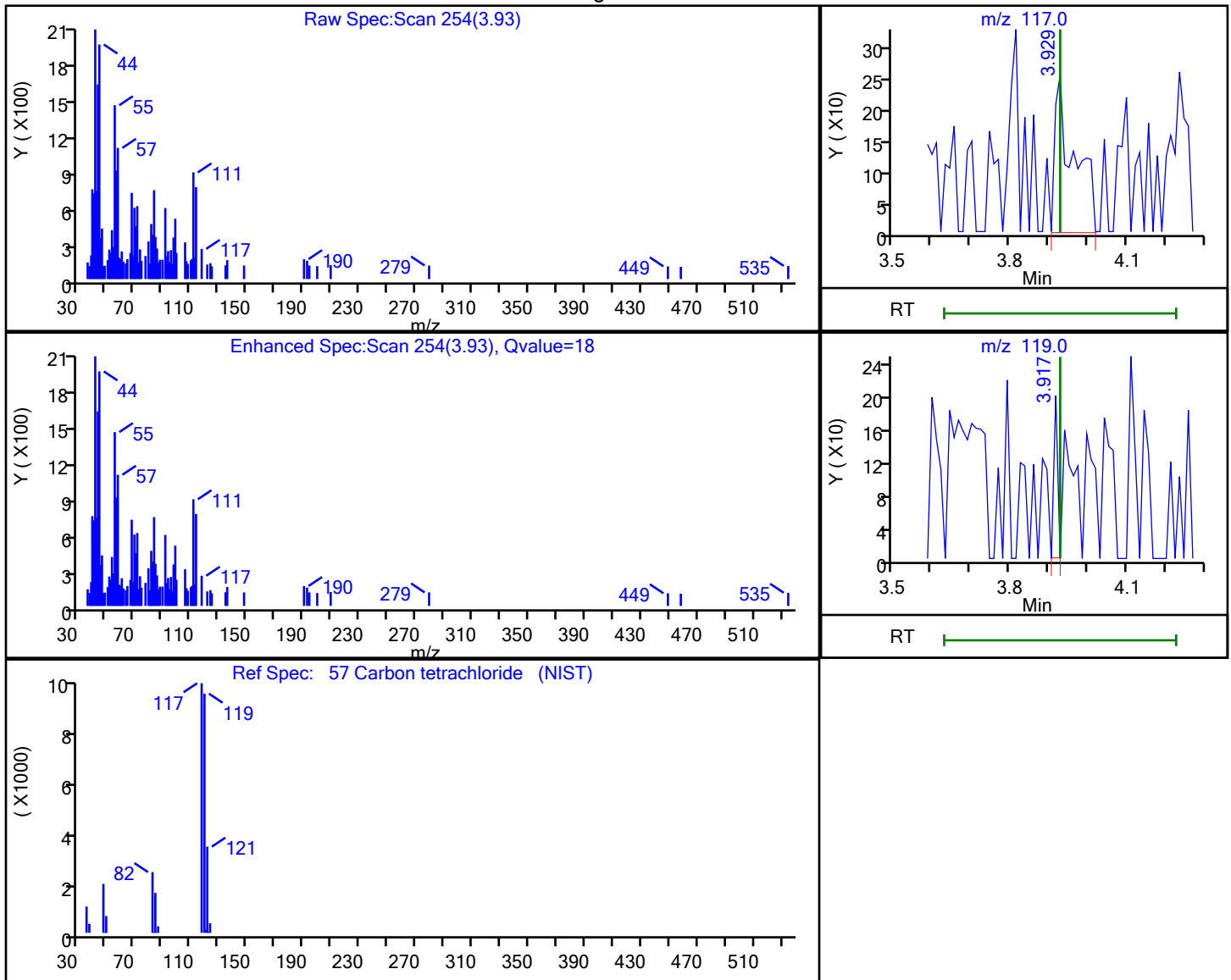
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

57 Carbon tetrachloride, CAS: 56-23-5

Processing Results



RT	Mass	Response	Amount
3.93	117.00	847	0.103970
3.92	119.00	136	

Reviewer: K0HS, 05-Jan-2024 07:41:54 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

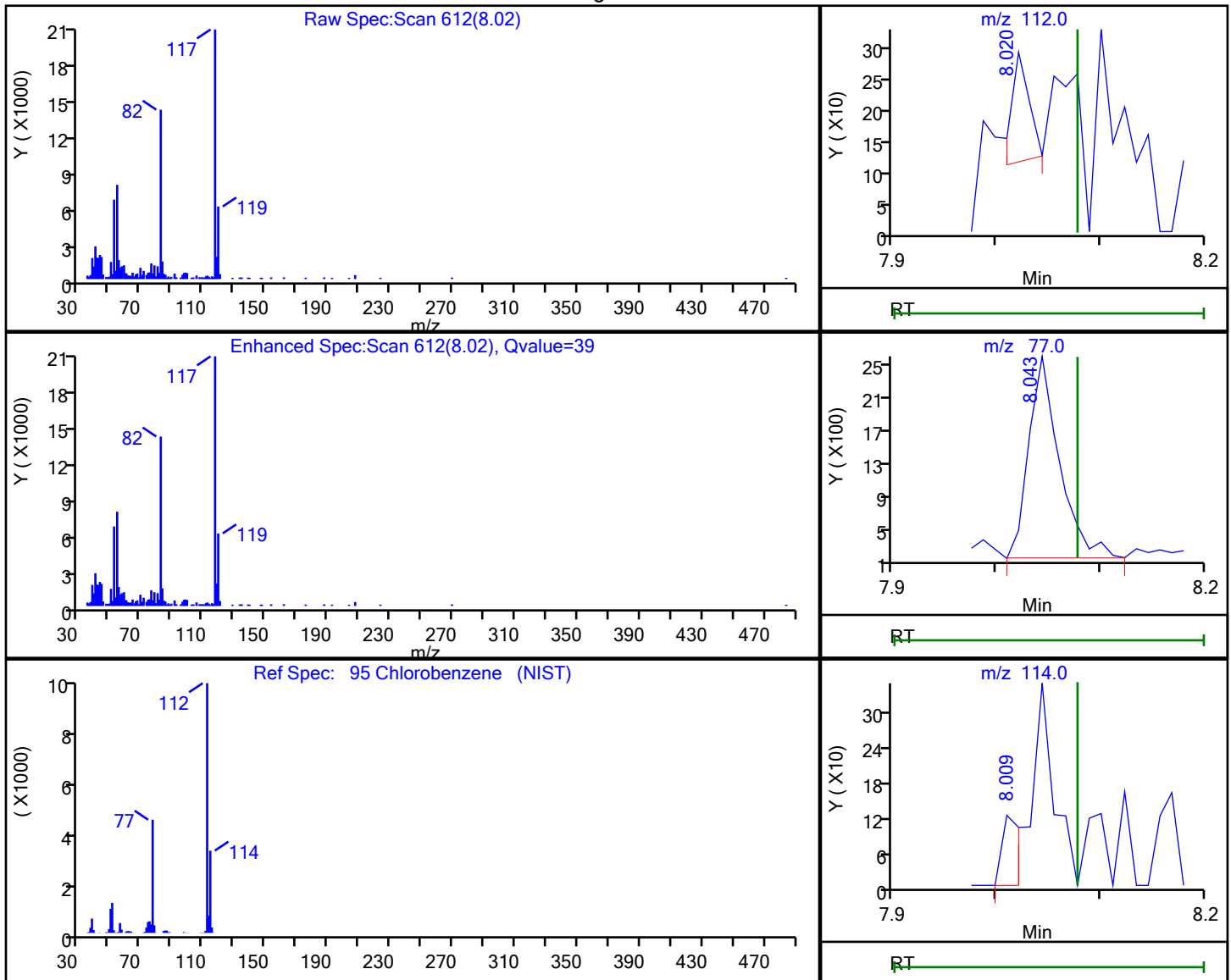
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

95 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
8.02	112.00	207	0.012975
8.04	77.00	5047	
8.01	114.00	151	

Reviewer: K0HS, 05-Jan-2024 07:42:57 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

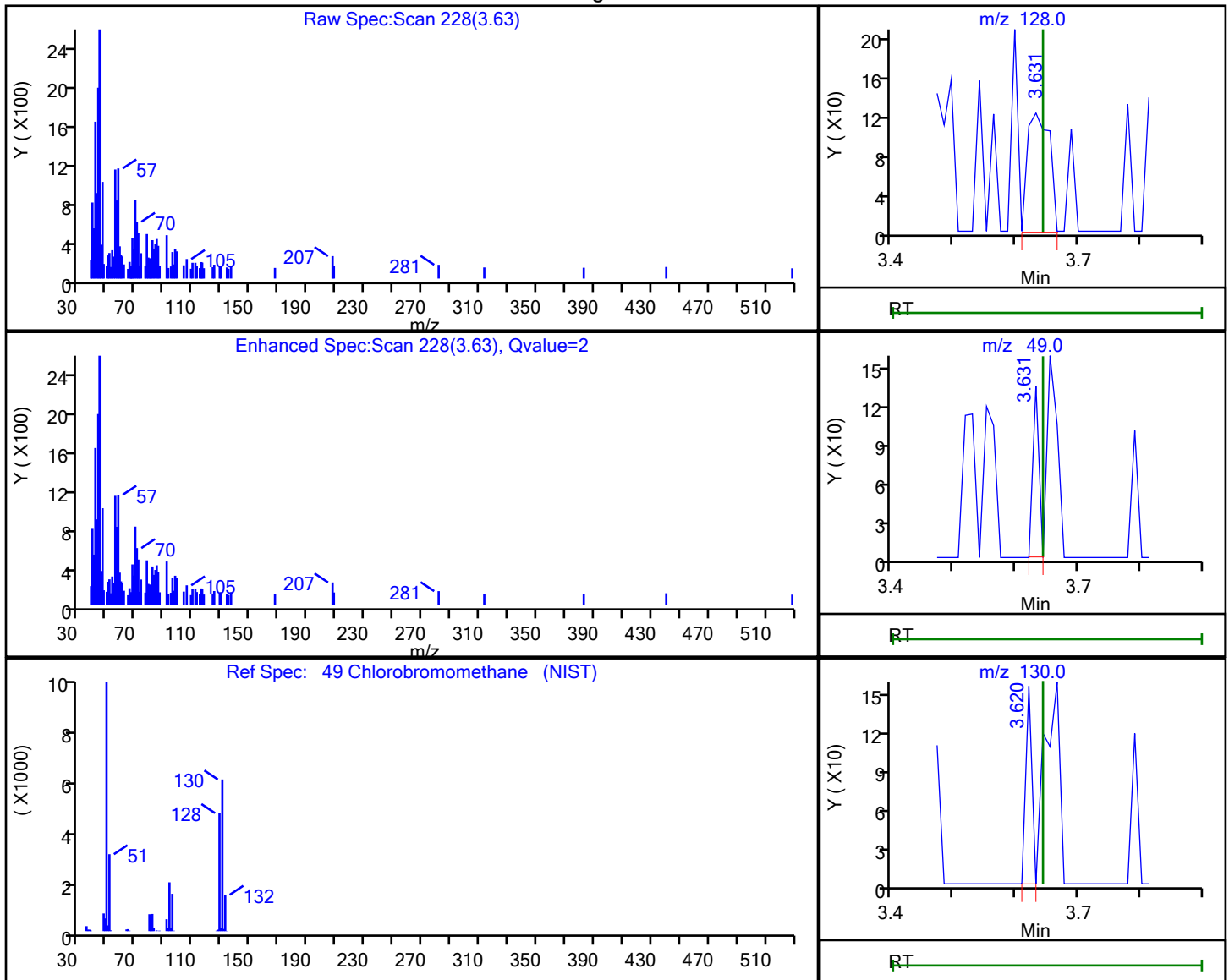
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

49 Chlorobromomethane, CAS: 74-97-5

Processing Results



RT	Mass	Response	Amount
3.63	128.00	296	0.101397
3.63	49.00	93	
3.62	130.00	103	

Reviewer: K0HS, 05-Jan-2024 07:41:40 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

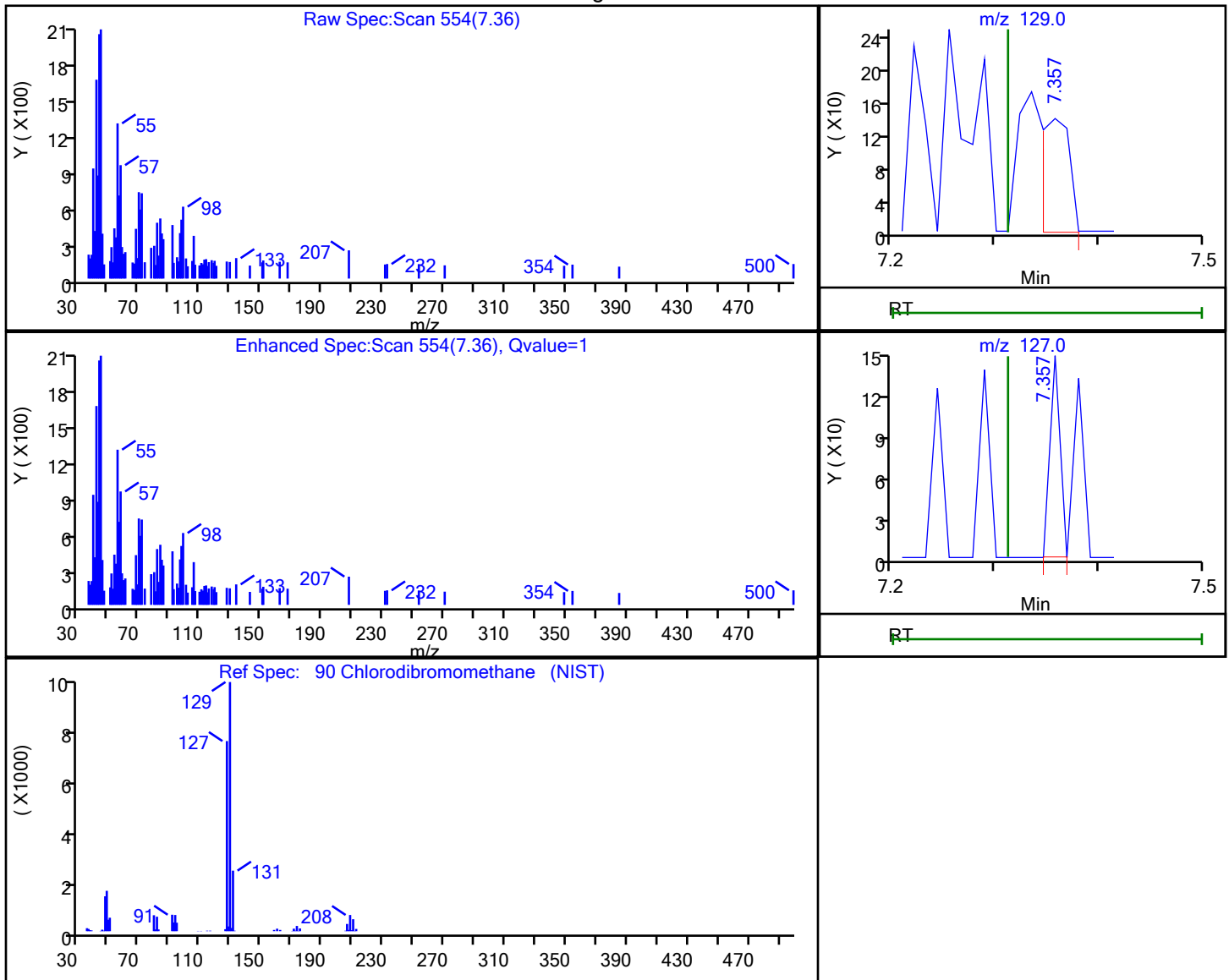
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

90 Chlorodibromomethane, CAS: 124-48-1

Processing Results



RT	Mass	Response	Amount
7.36	129.00	268	0.046232
7.36	127.00	98	

Reviewer: K0HS, 05-Jan-2024 07:42:52 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

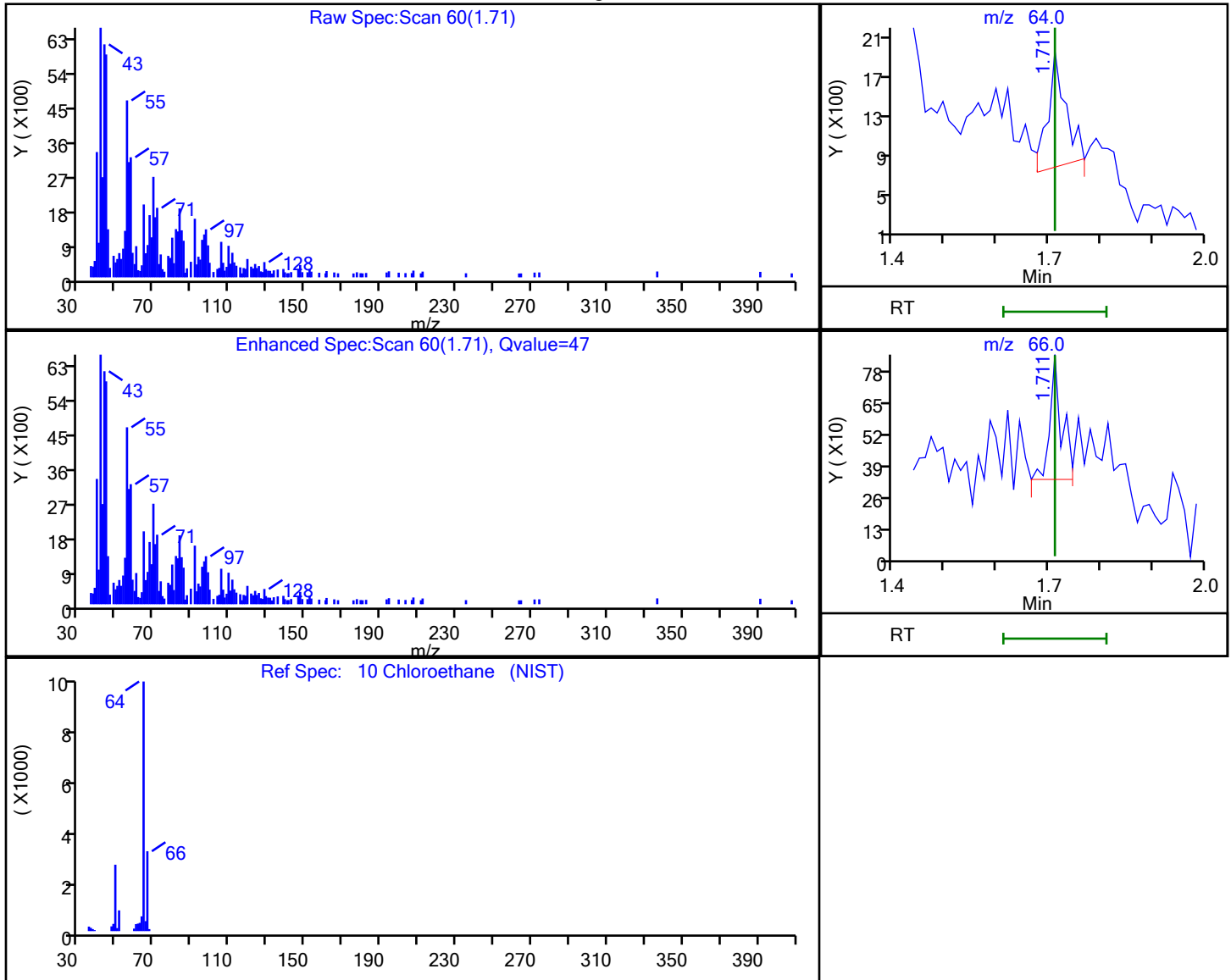
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.71	64.00	2671	0.516709
1.71	66.00	841	

Reviewer: K0HS, 05-Jan-2024 07:40:29 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

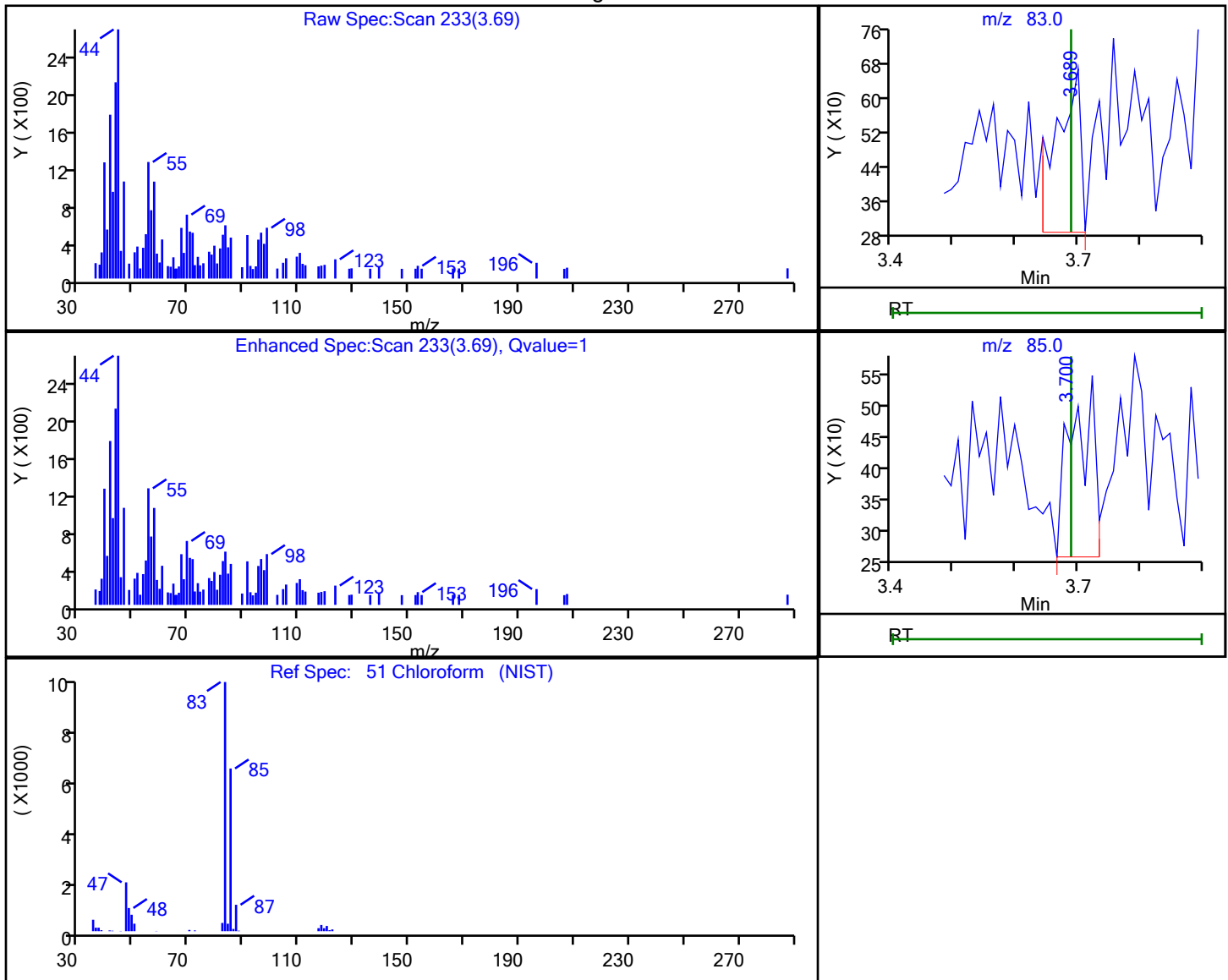
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

51 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
3.69	83.00	1053	0.097704
3.70	85.00	737	

Reviewer: K0HS, 05-Jan-2024 07:41:47 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

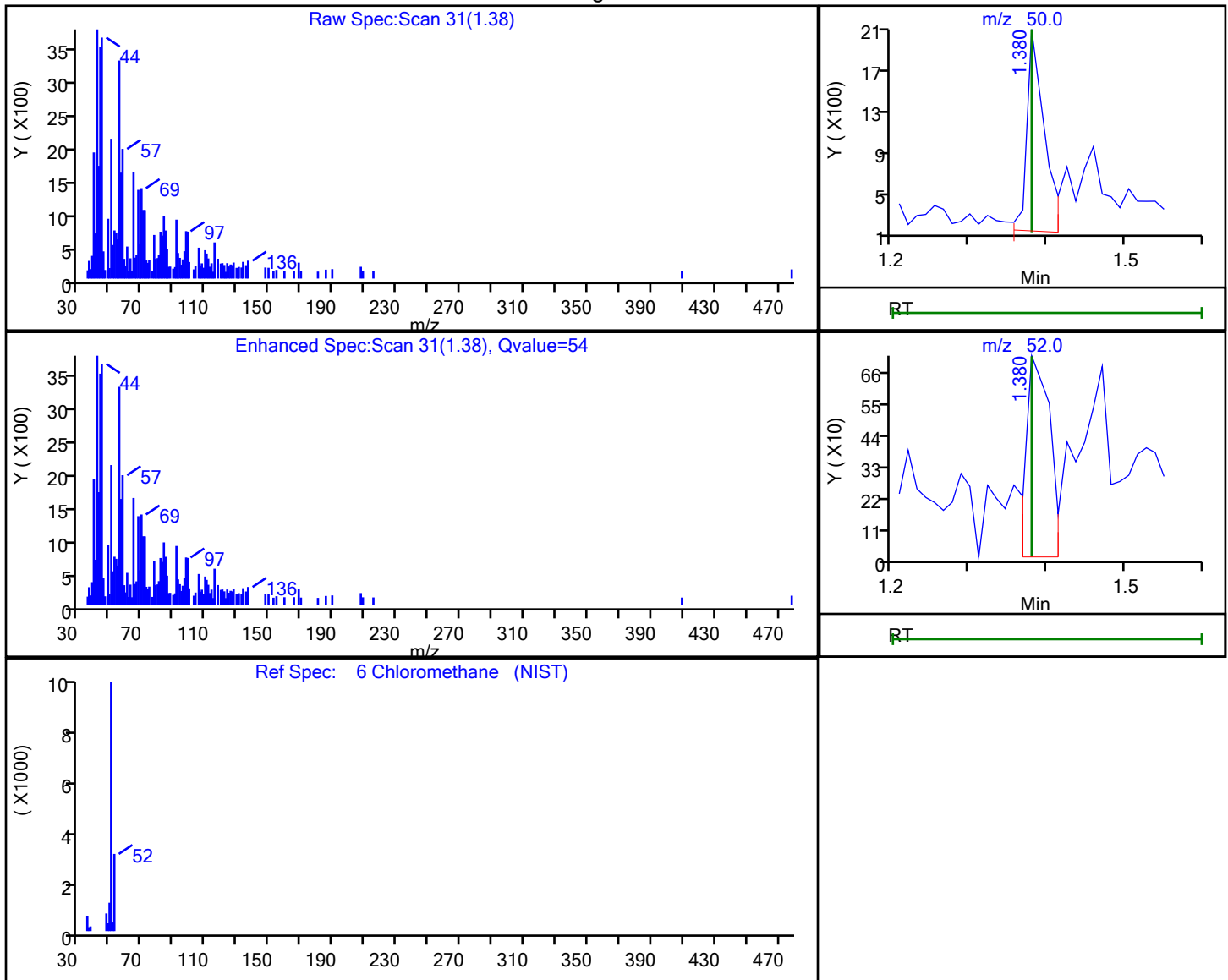
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.38	50.00	3114	0.336417
1.38	52.00	1560	

Reviewer: K0HS, 05-Jan-2024 07:40:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

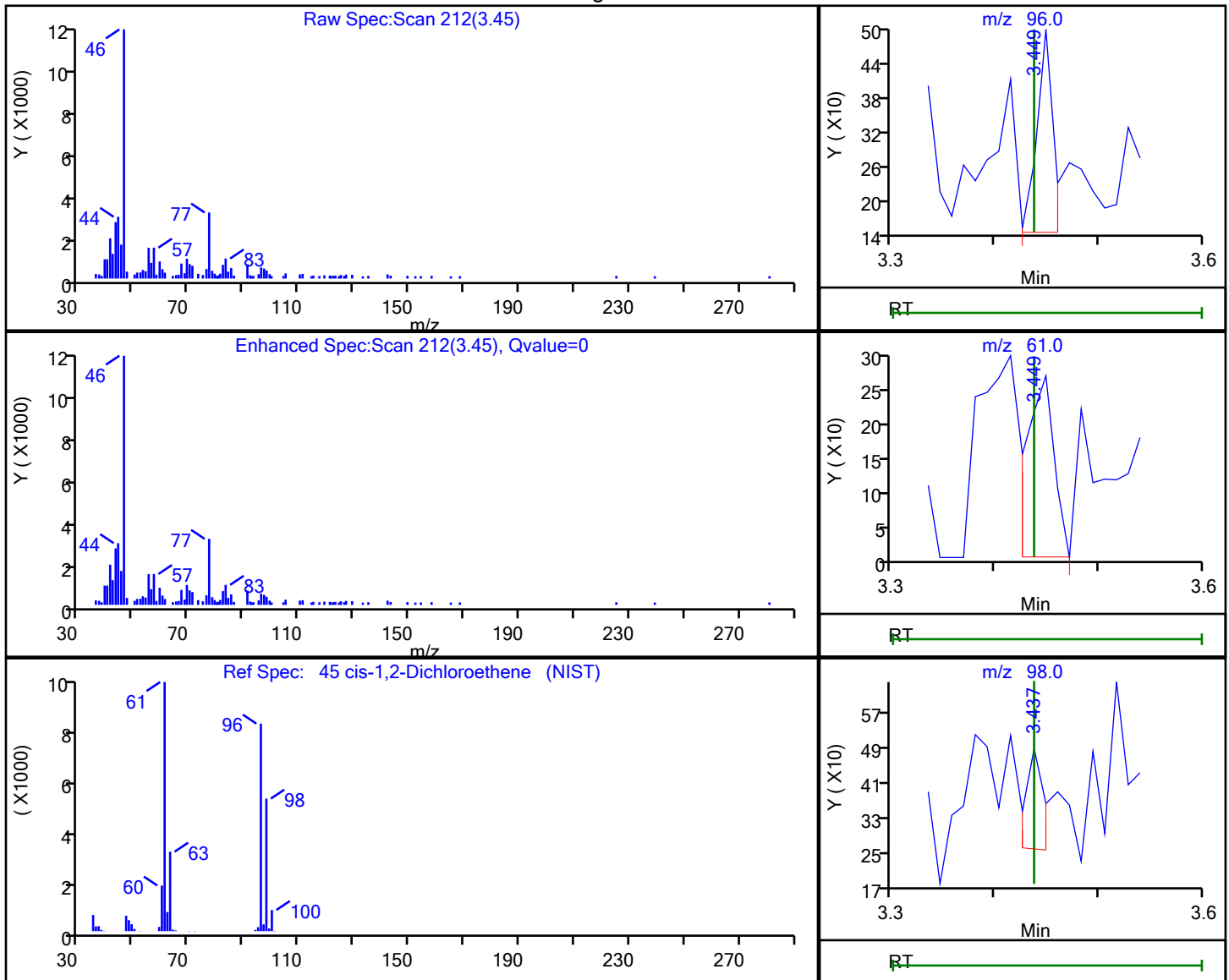
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

45 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
3.45	96.00	381	0.059302
3.45	61.00	494	
3.44	98.00	287	

Reviewer: K0HS, 05-Jan-2024 07:41:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

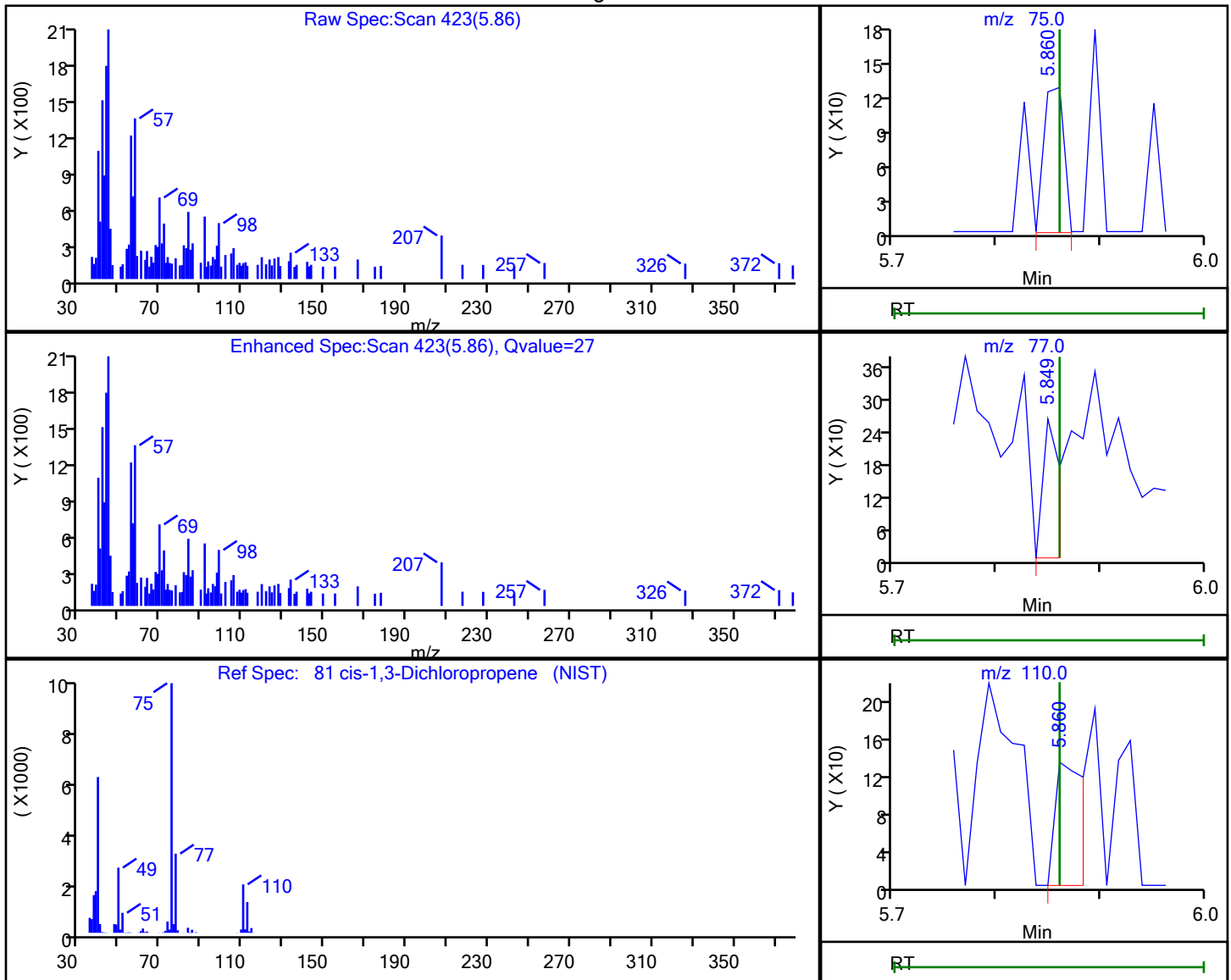
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

81 cis-1,3-Dichloropropene, CAS: 10061-01-5

Processing Results



RT	Mass	Response	Amount
5.86	75.00	171	0.015988
5.85	77.00	296	
5.86	110.00	252	

Reviewer: K0HS, 05-Jan-2024 07:42:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

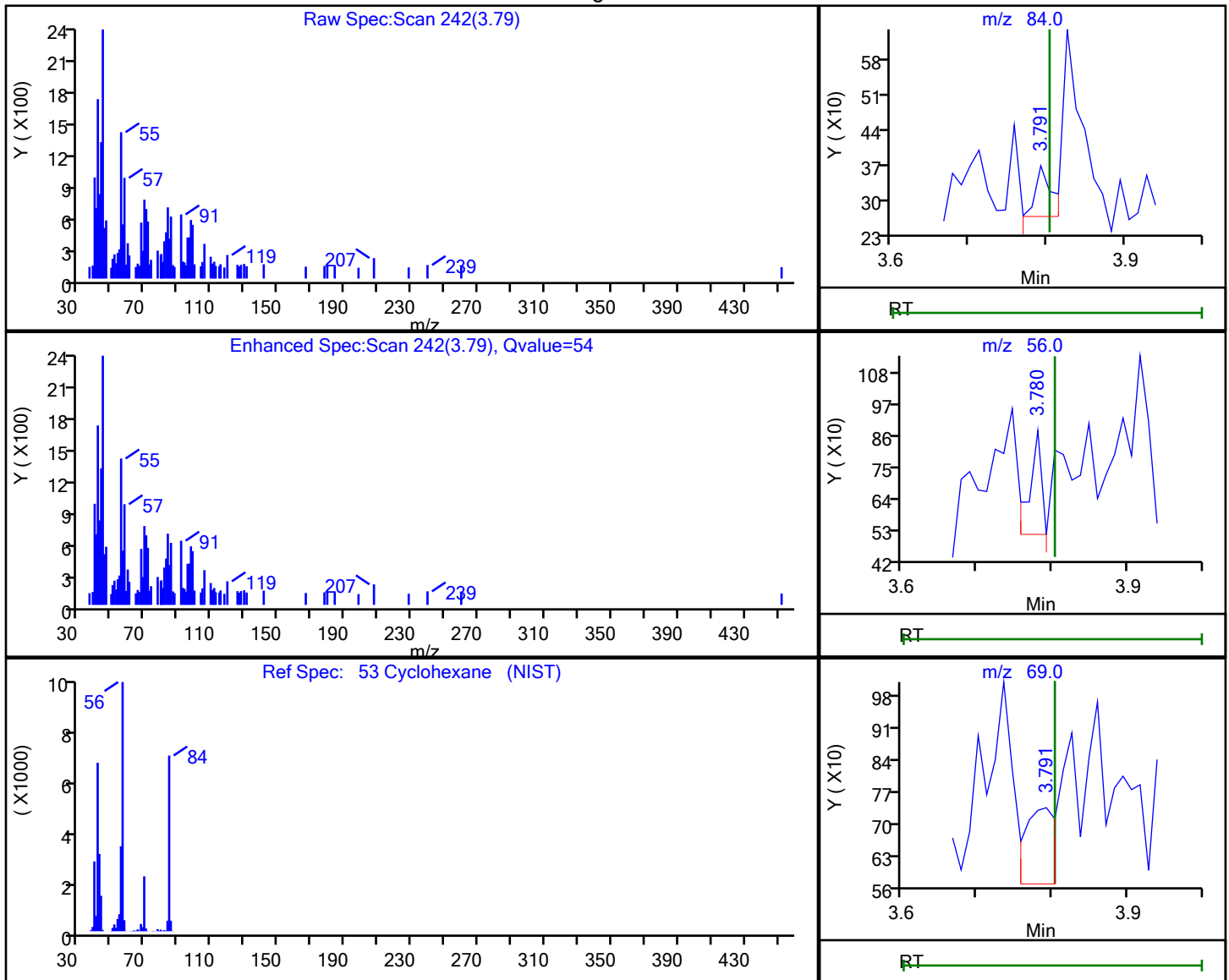
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

53 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
3.79	84.00	142	0.018690
3.78	56.00	409	
3.79	69.00	487	

Reviewer: K0HS, 05-Jan-2024 07:41:49 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

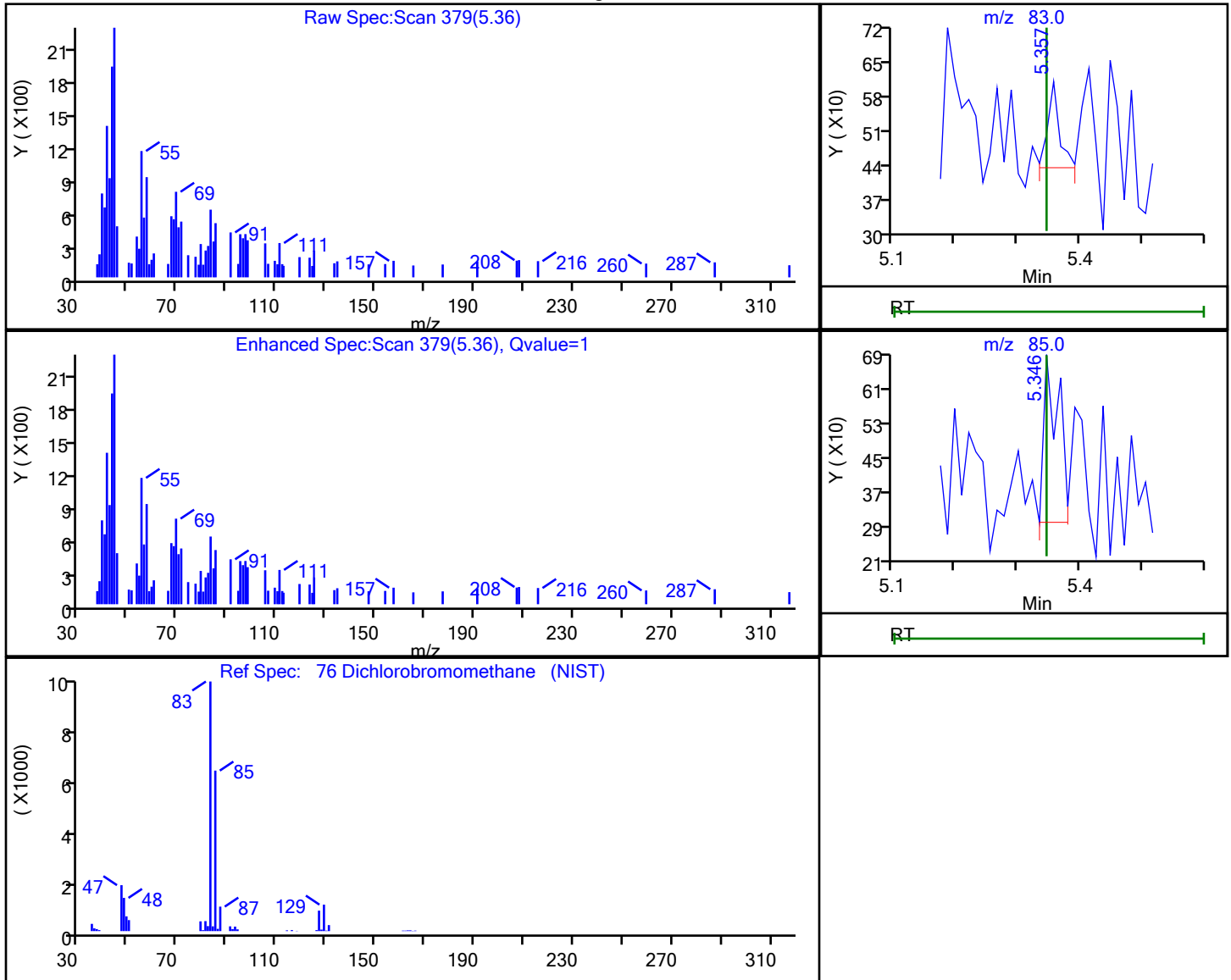
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

76 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
5.36	83.00	234	0.028854
5.35	85.00	659	

Reviewer: K0HS, 05-Jan-2024 07:42:27 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

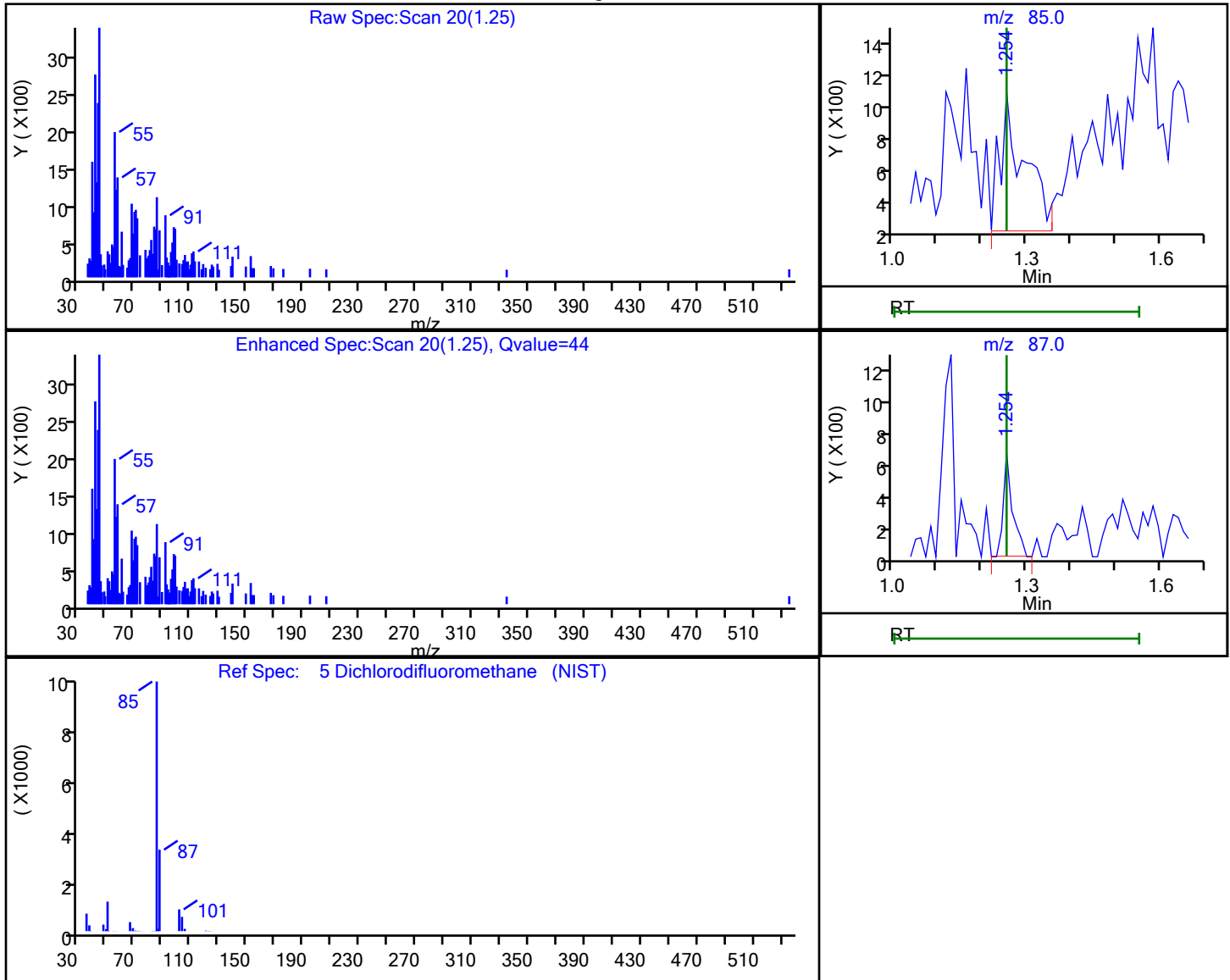
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

5 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.25	85.00	3272	0.559365
1.25	87.00	941	

Reviewer: K0HS, 05-Jan-2024 07:40:18 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

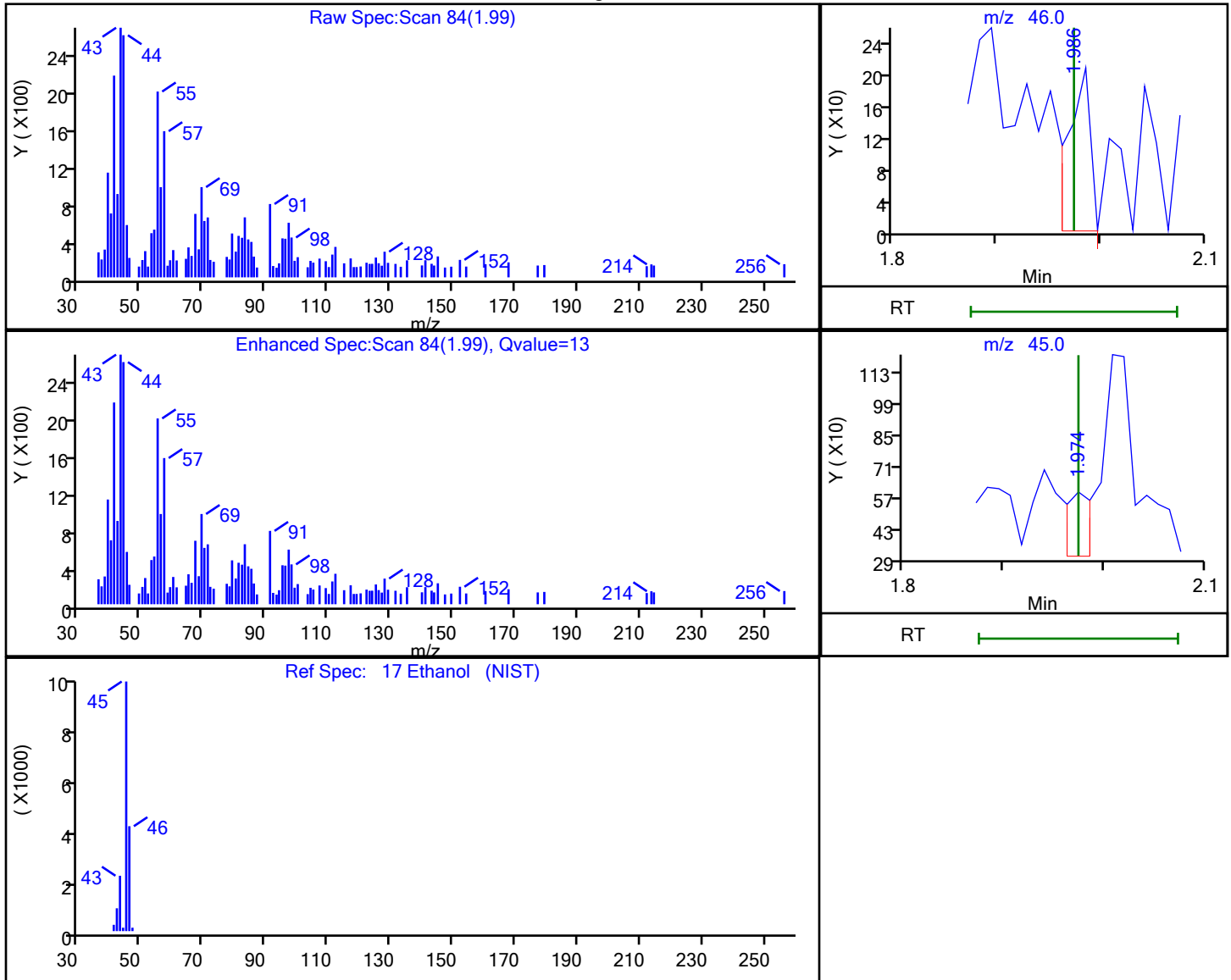
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

17 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
1.99	46.00	302	18.807897
1.97	45.00	534	

Reviewer: K0HS, 05-Jan-2024 07:40:45 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

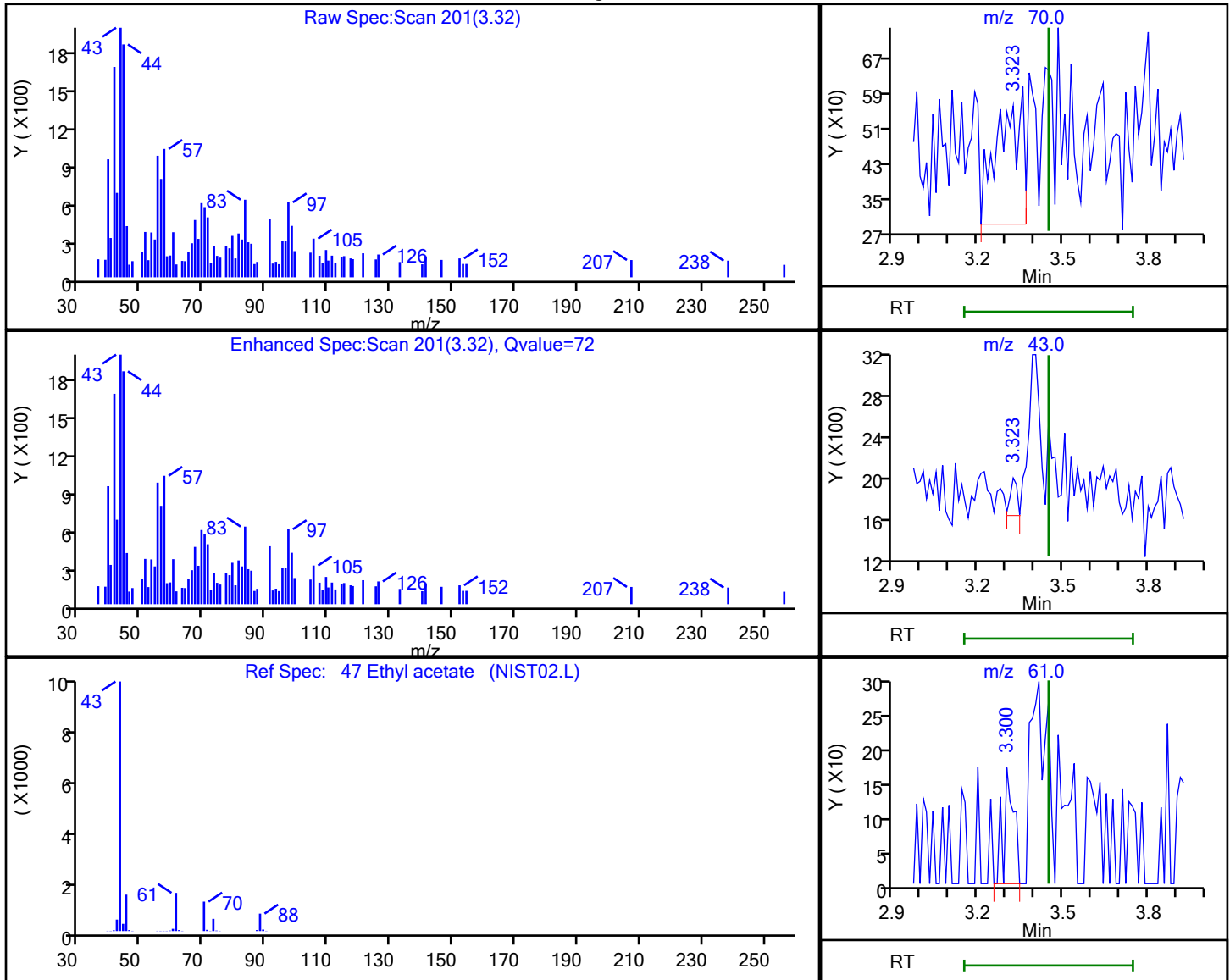
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

47 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
3.32	70.00	1834	0.816187
3.32	43.00	554	
3.30	61.00	423	

Reviewer: K0HS, 05-Jan-2024 07:41:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

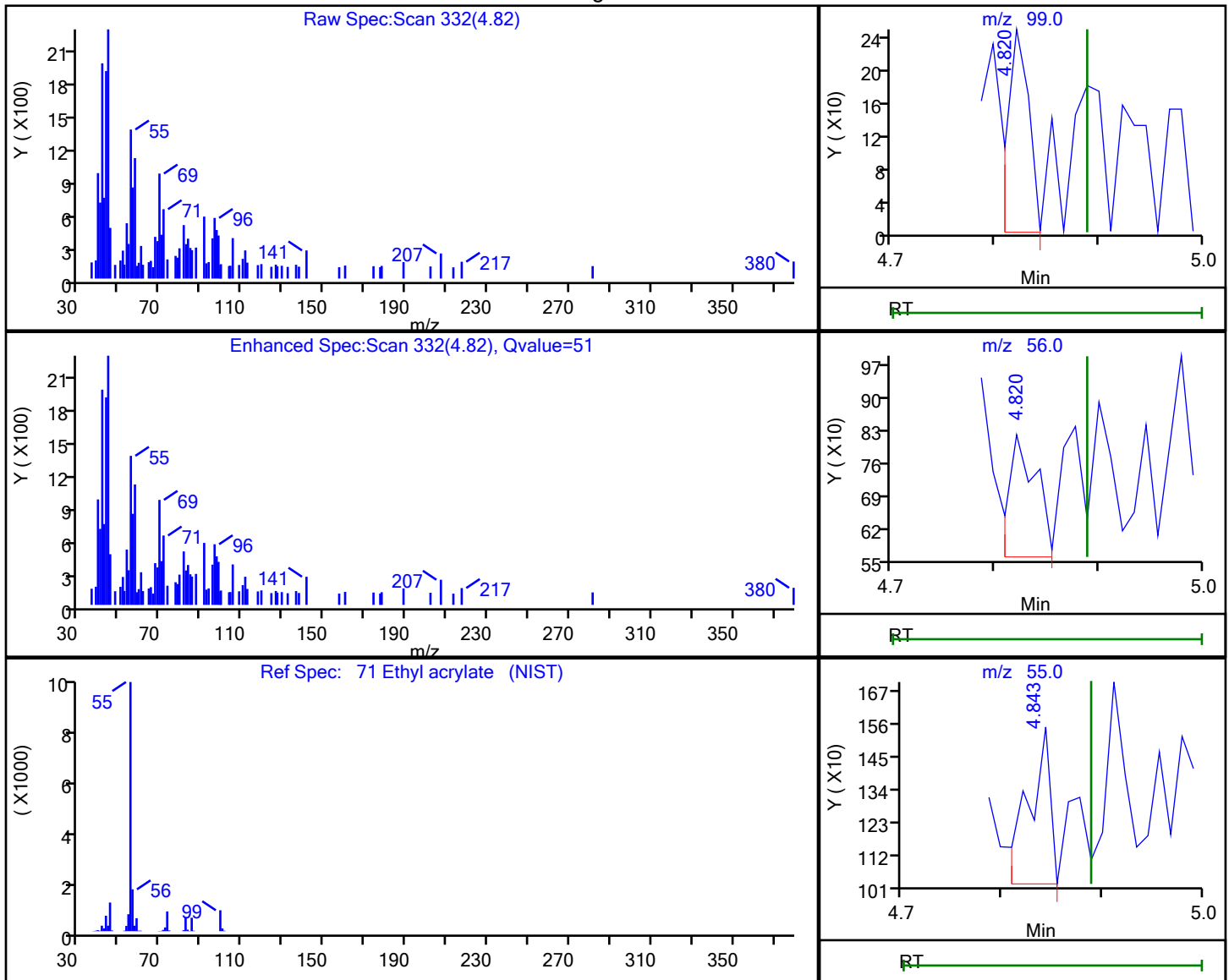
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

71 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.82	99.00	355	0.417488
4.82	56.00	490	
4.84	55.00	815	

Reviewer: K0HS, 05-Jan-2024 07:42:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

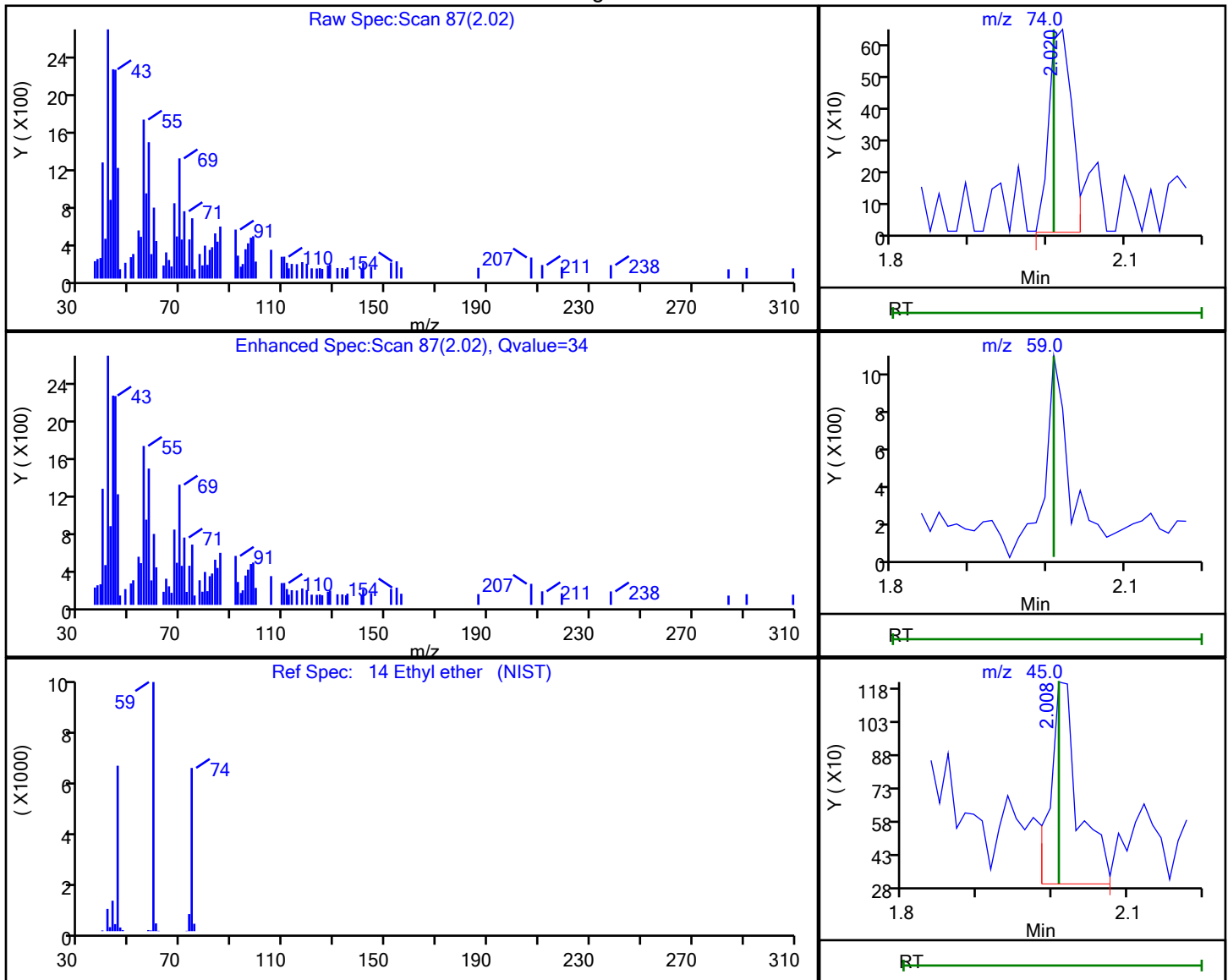
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

14 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.02	74.00	1346	0.304884
2.01	59.00	4439	
2.01	45.00	2377	

Reviewer: K0HS, 05-Jan-2024 07:40:35 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

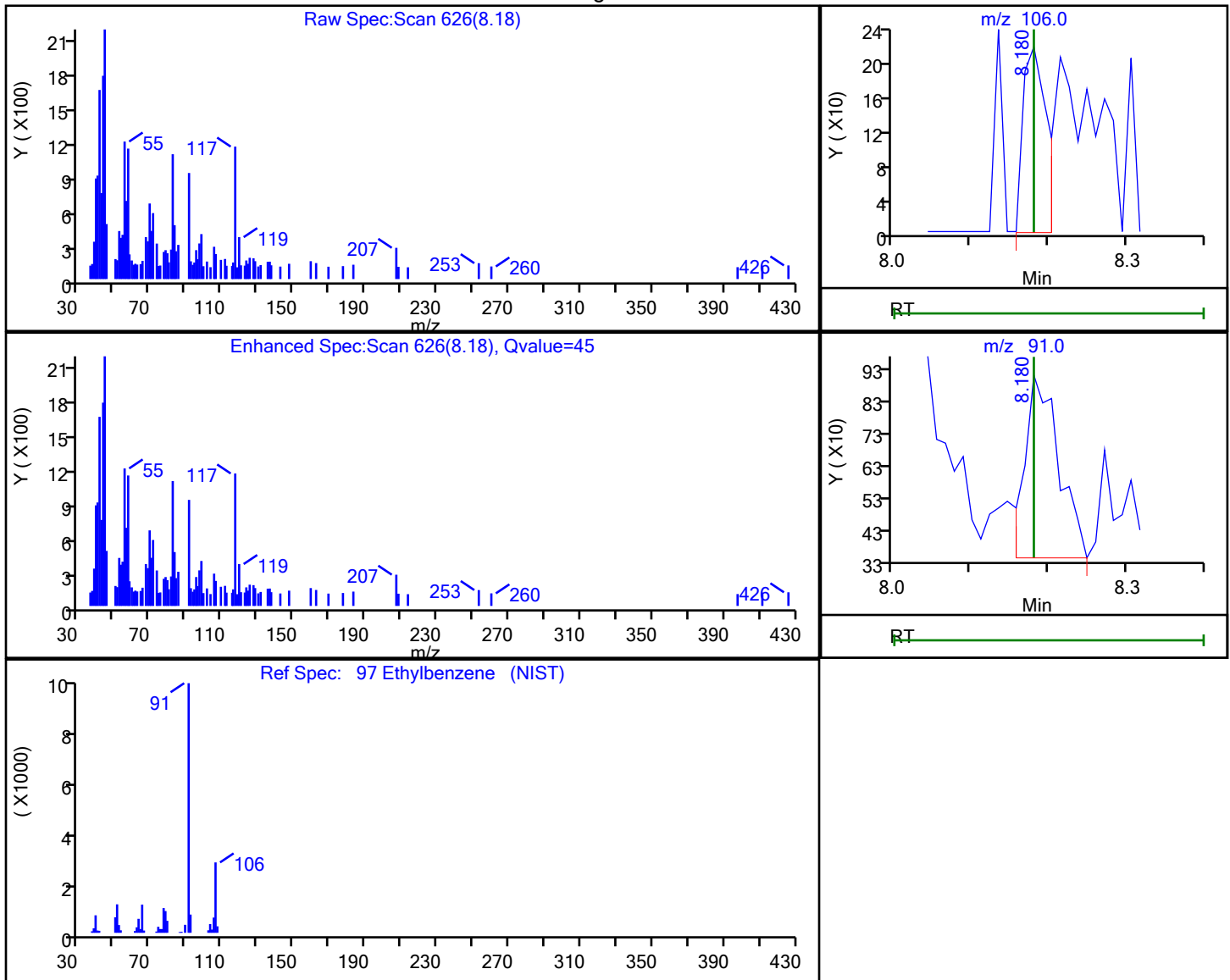
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

97 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
8.18	106.00	455	0.051505
8.18	91.00	1756	

Reviewer: K0HS, 05-Jan-2024 07:42:58 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

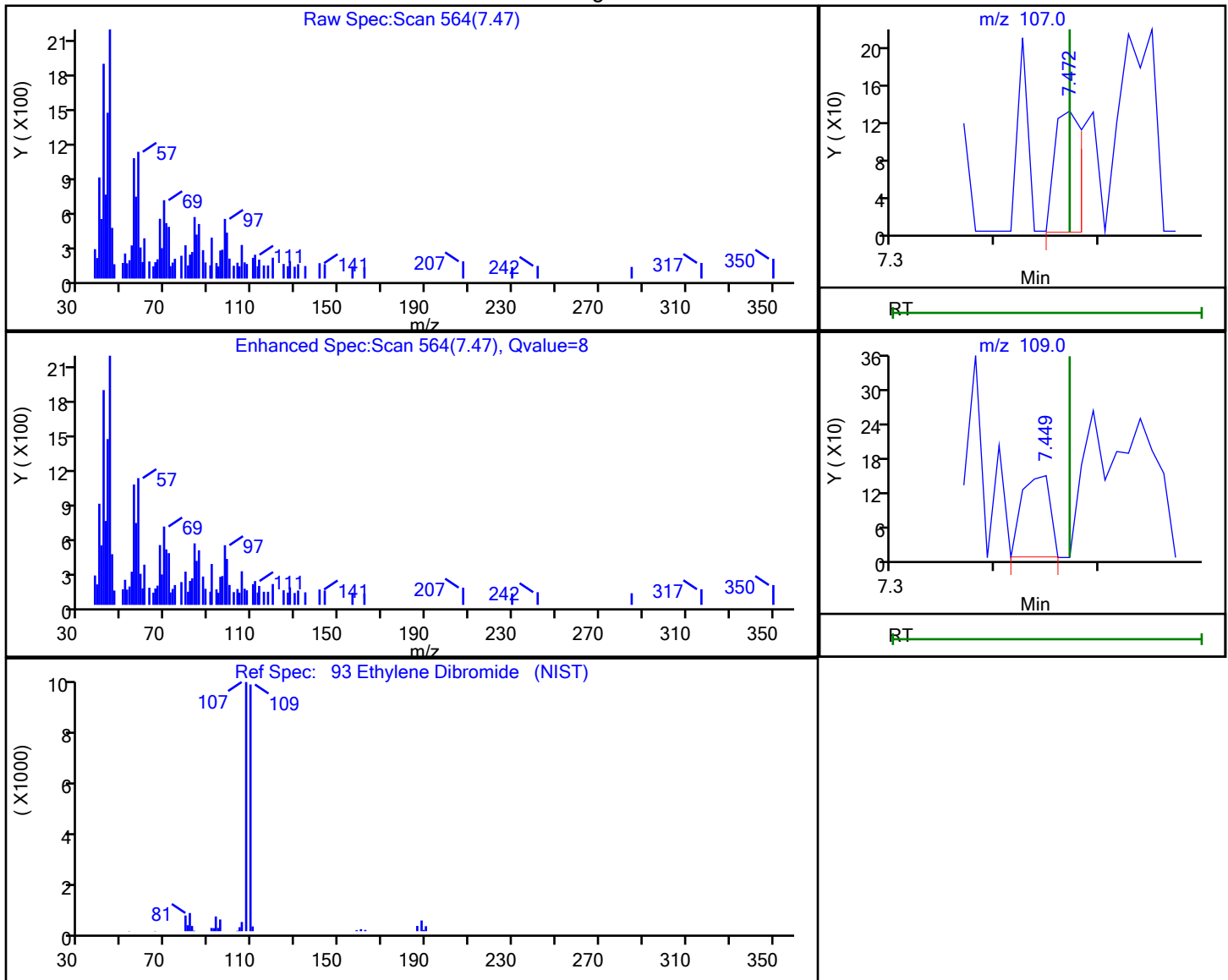
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

93 Ethylene Dibromide, CAS: 106-93-4

Processing Results



RT	Mass	Response	Amount
7.47	107.00	244	0.046273
7.45	109.00	279	

Reviewer: K0HS, 05-Jan-2024 07:42:53 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

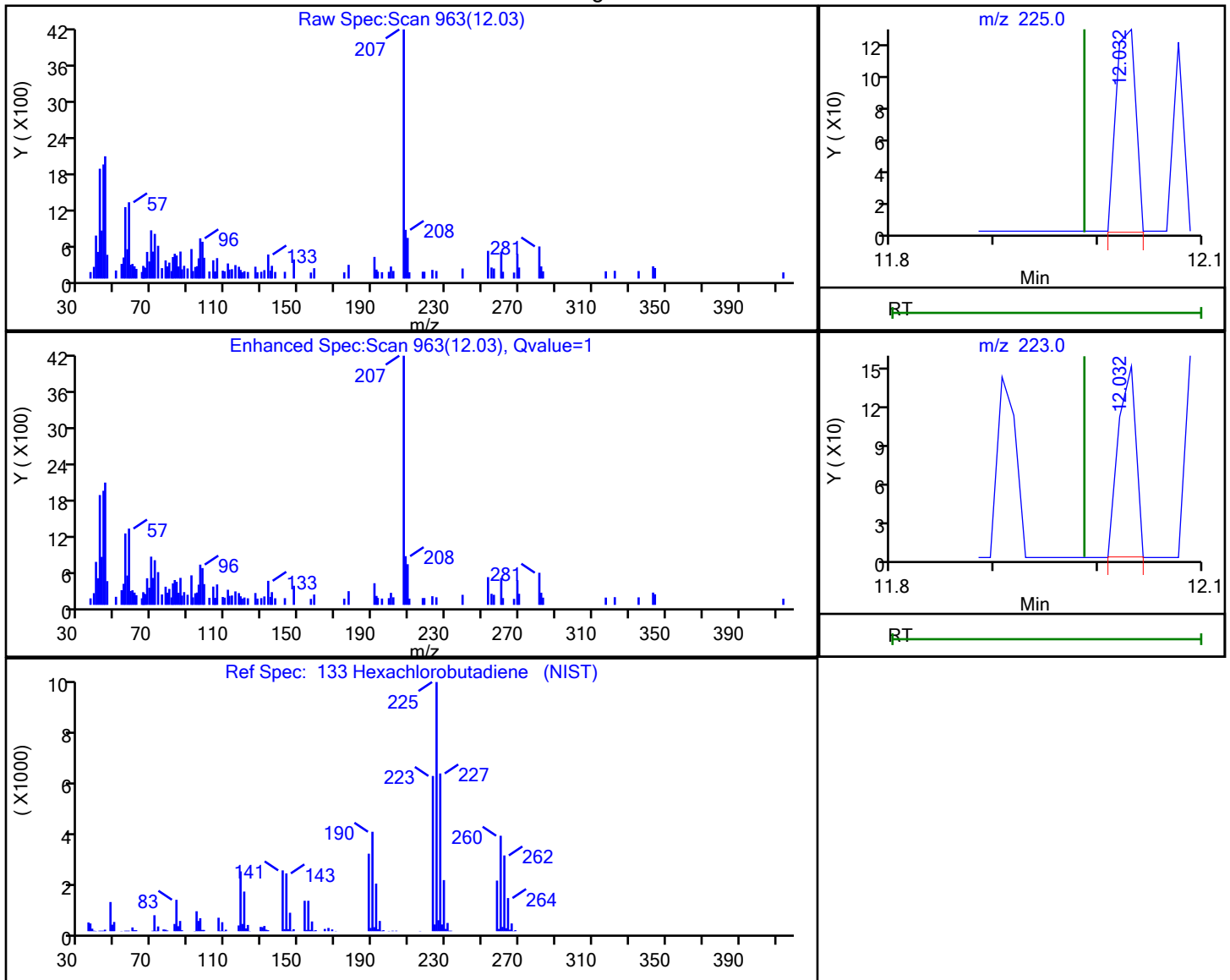
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

133 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.03	225.00	167	0.067445
12.03	223.00	171	

Reviewer: K0HS, 05-Jan-2024 07:43:57 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

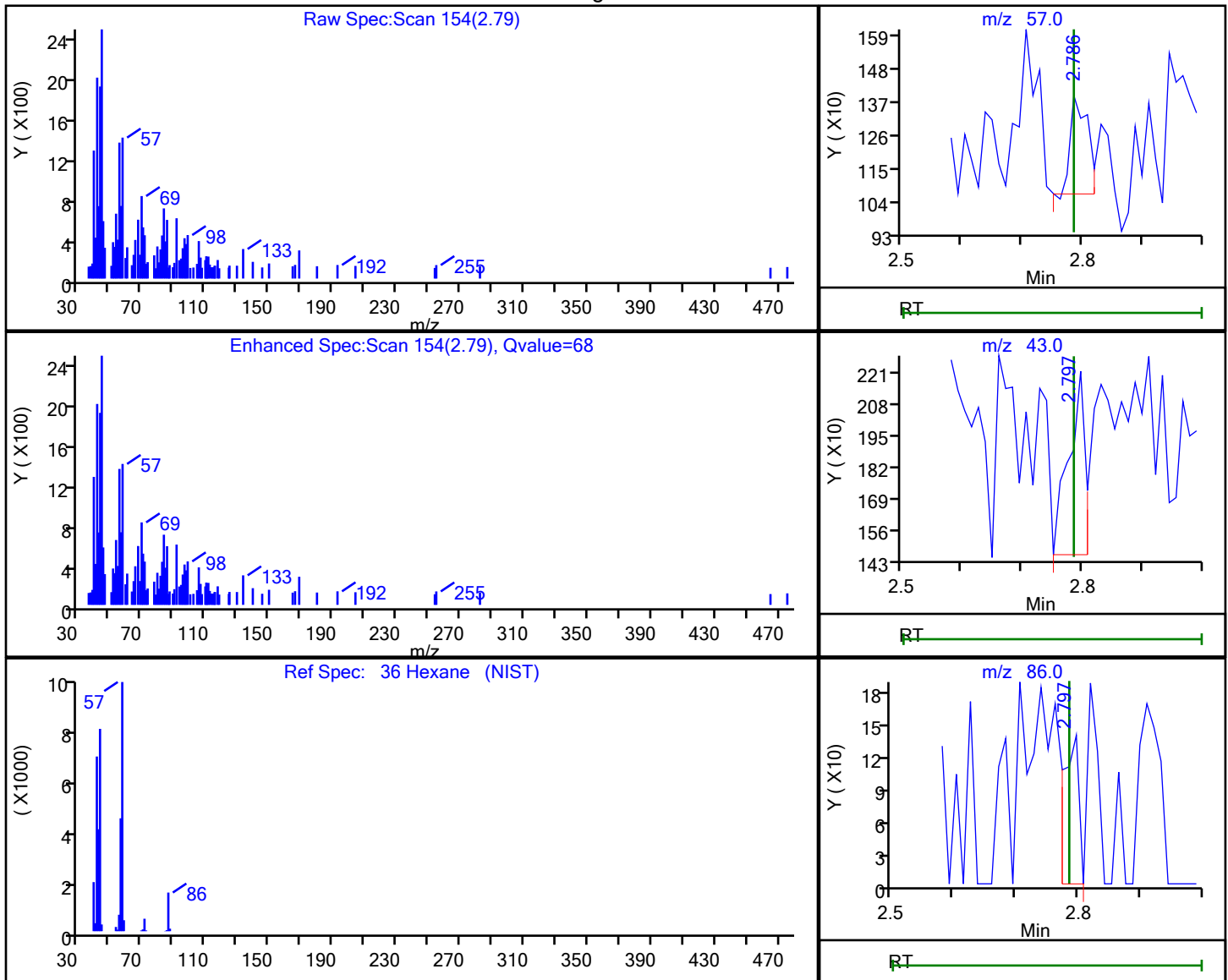
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

36 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
2.79	57.00	665	0.084443
2.80	43.00	1466	
2.80	86.00	240	
2.80	56.00	246	

Reviewer: K0HS, 05-Jan-2024 07:41:17 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

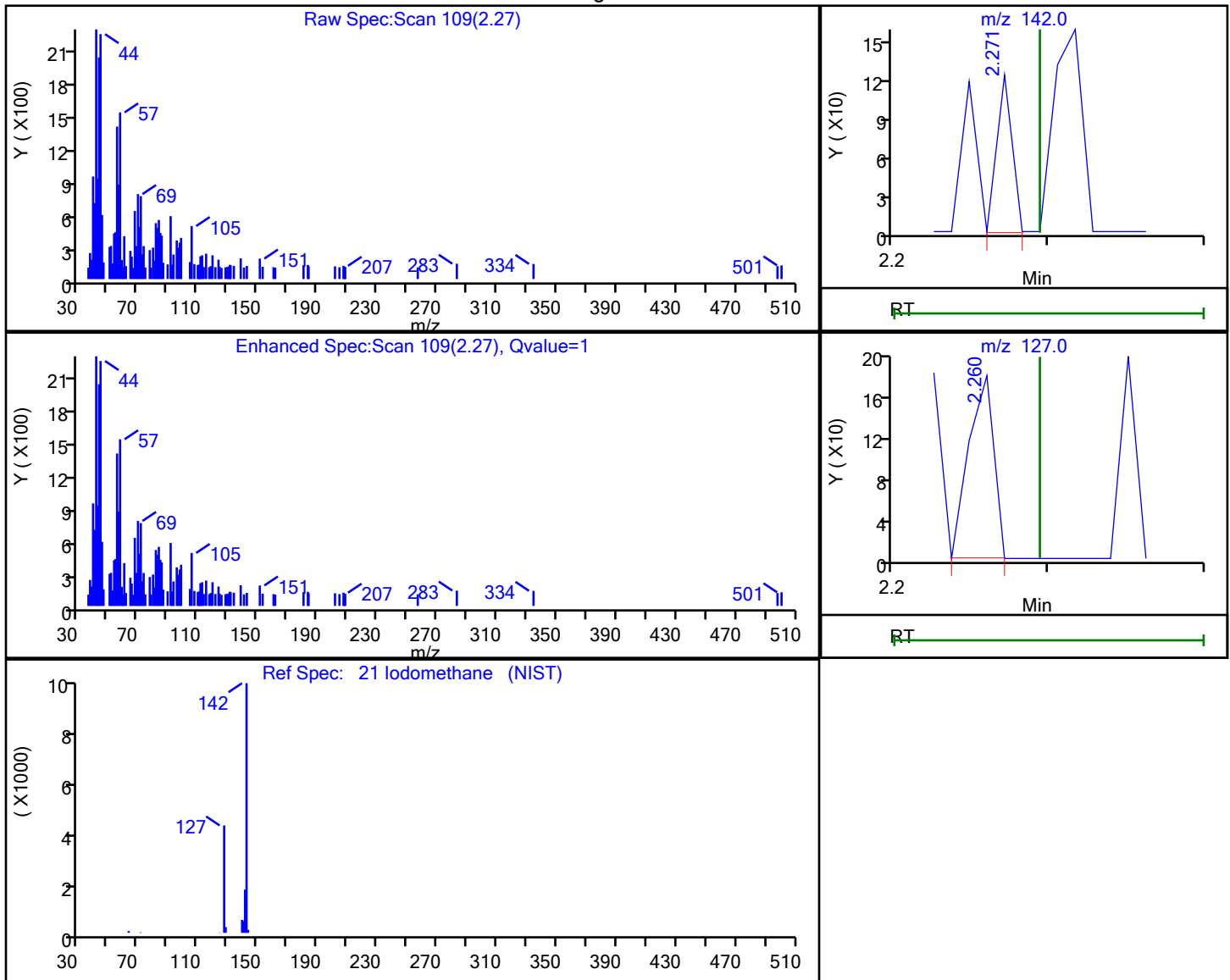
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

21 Iodomethane, CAS: 74-88-4

Processing Results



RT	Mass	Response	Amount
2.27	142.00	82	0.014772
2.26	127.00	201	

Reviewer: K0HS, 05-Jan-2024 07:40:53 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

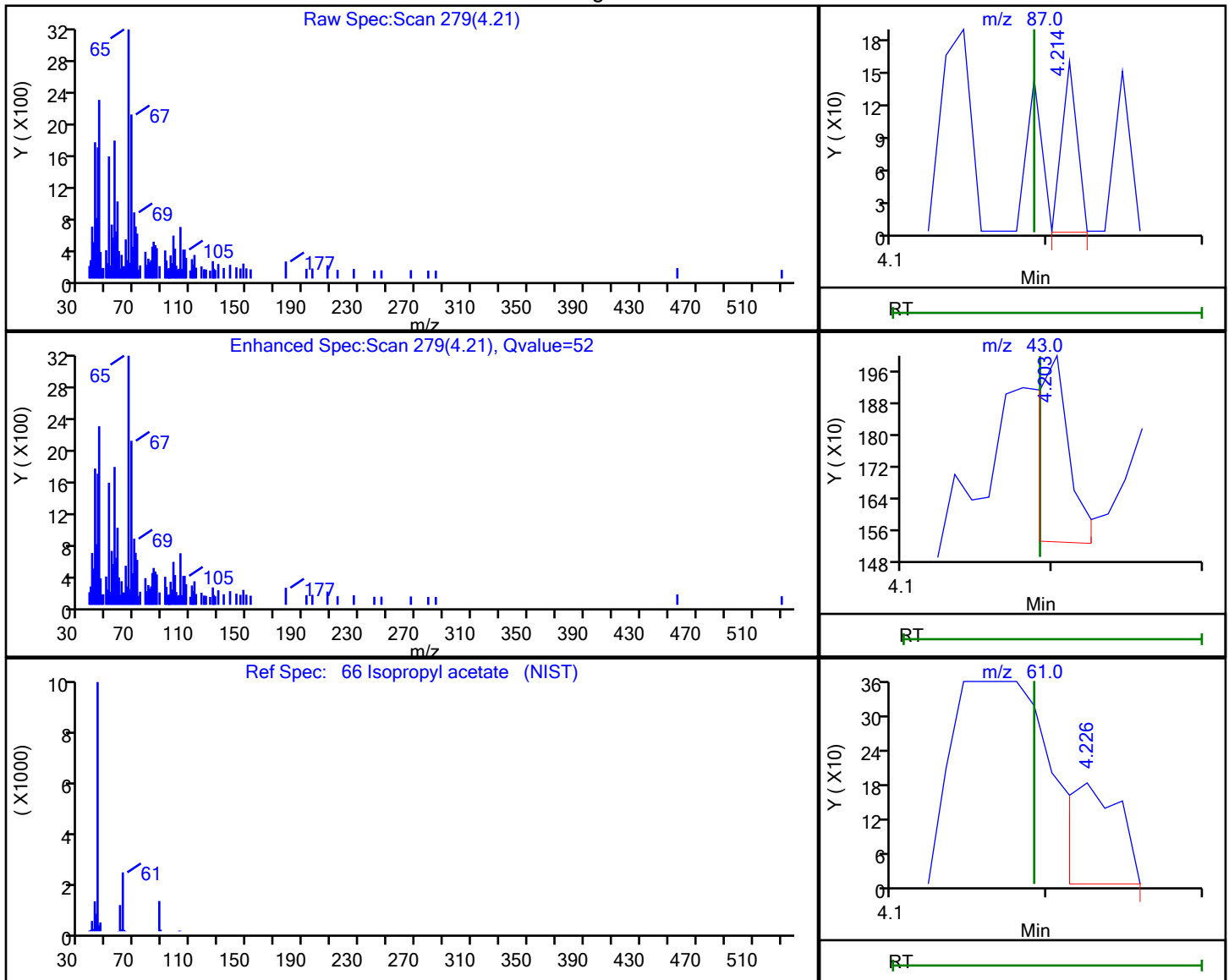
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

66 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
4.21	87.00	108	0.020242
4.20	43.00	714	
4.23	61.00	423	

Reviewer: K0HS, 05-Jan-2024 07:42:05 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

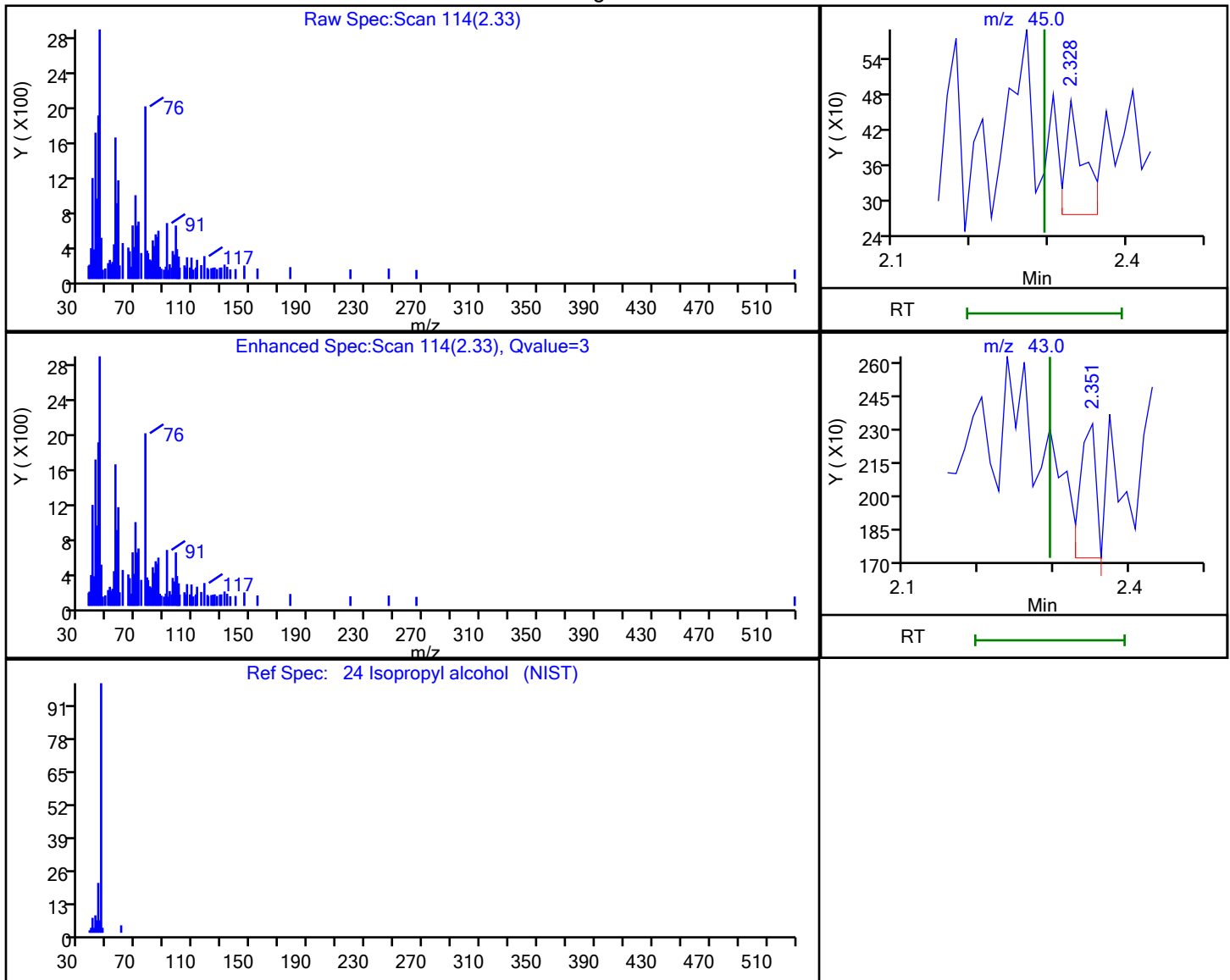
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.33	45.00	310	1.442288
2.35	43.00	884	

Reviewer: K0HS, 05-Jan-2024 07:40:55 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

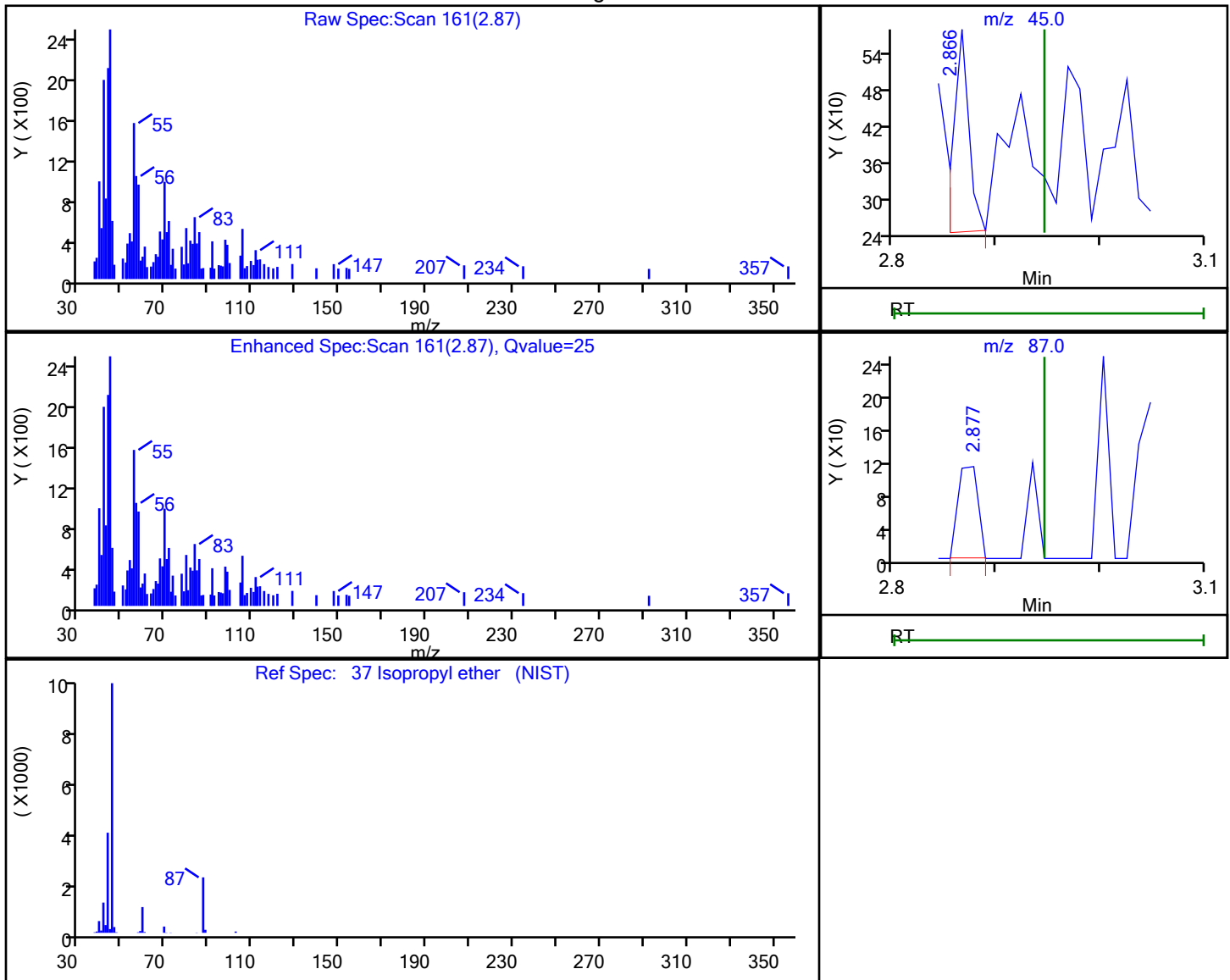
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

37 Isopropyl ether, CAS: 108-20-3

Processing Results



RT	Mass	Response	Amount
2.87	45.00	334	0.015624
2.88	87.00	149	

Reviewer: K0HS, 05-Jan-2024 07:41:18 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

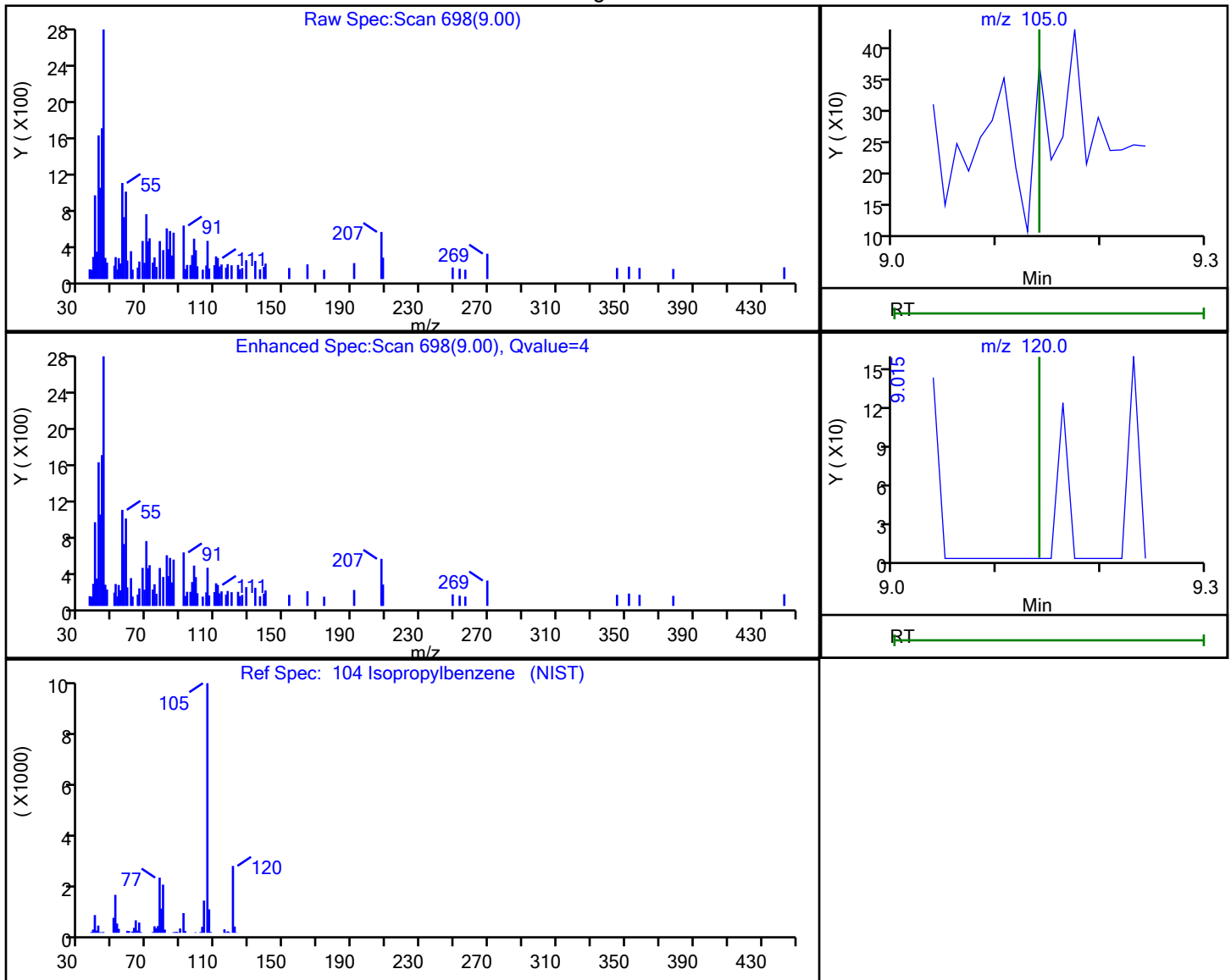
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D
Injection Date: 04-Jan-2024 23:54:30 Instrument ID: CVOAMS7
Lims ID: STD8
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

104 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
9.00	105.00	241	0.009070
9.01	120.00	99	

Reviewer: K0HS, 05-Jan-2024 07:43:15 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

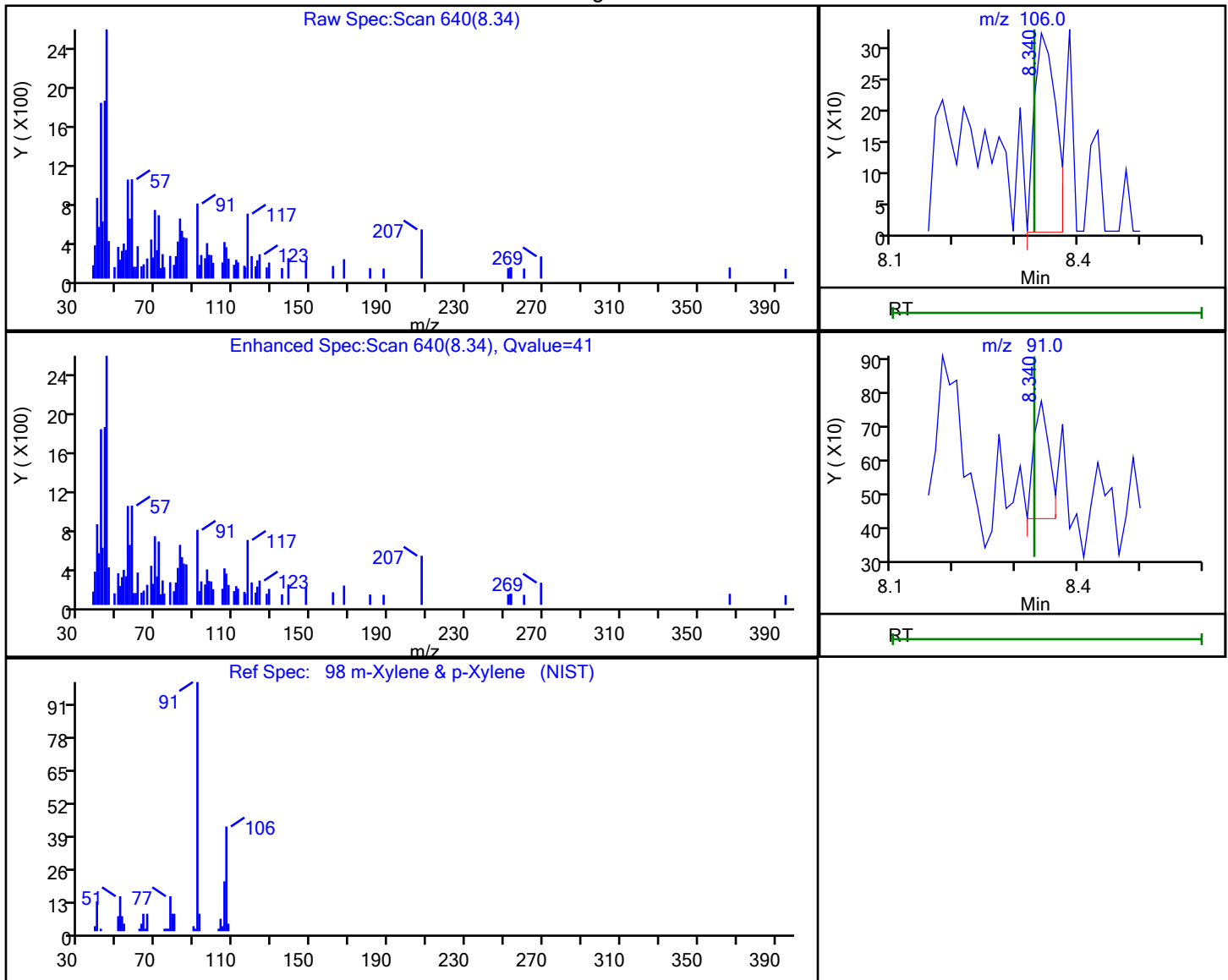
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

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

Processing Results



RT	Mass	Response	Amount
8.34	106.00	777	0.068623
8.34	91.00	608	

Reviewer: K0HS, 05-Jan-2024 07:43:01 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

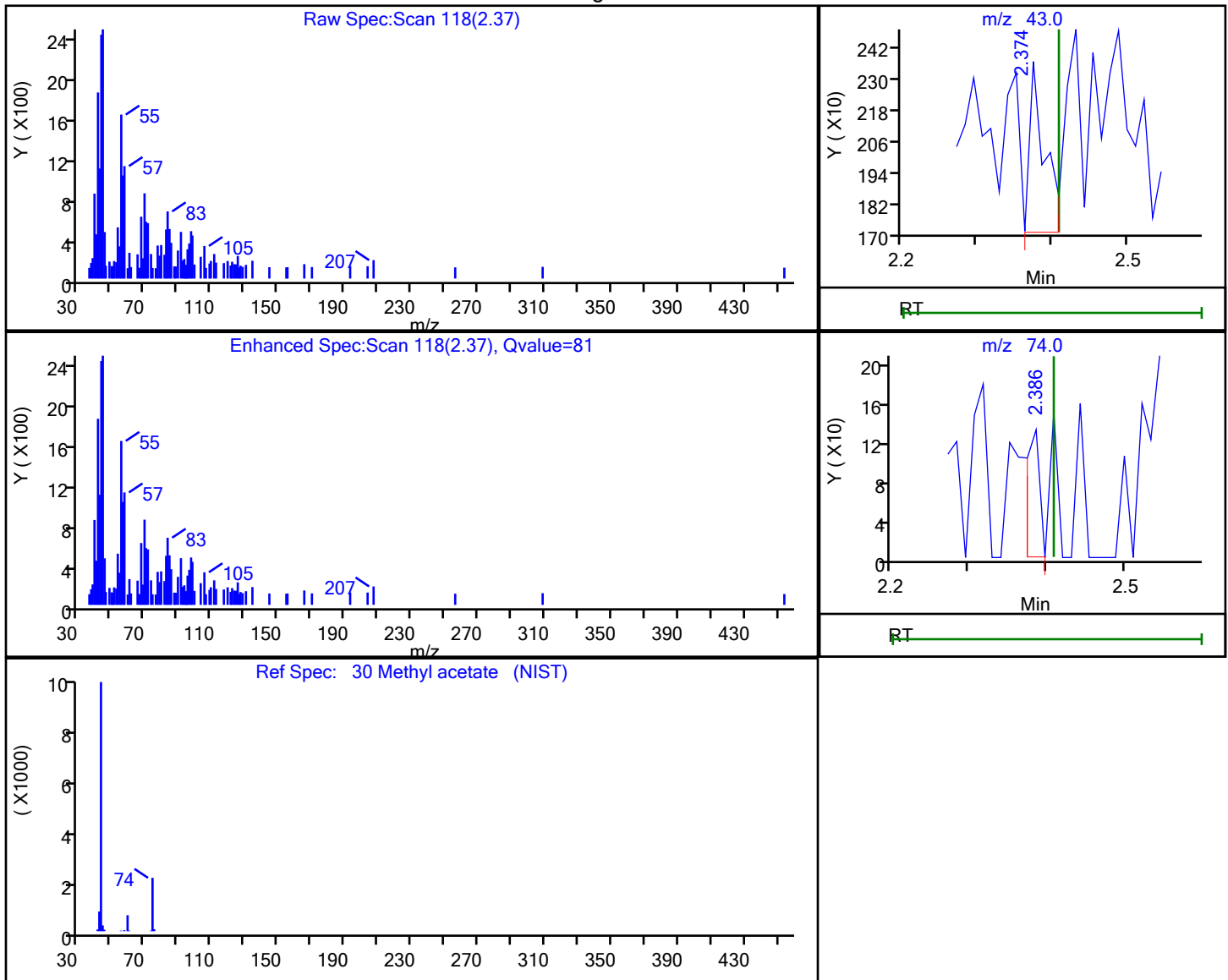
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

30 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
2.37	43.00	924	0.235781
2.39	74.00	160	

Reviewer: K0HS, 05-Jan-2024 07:40:58 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

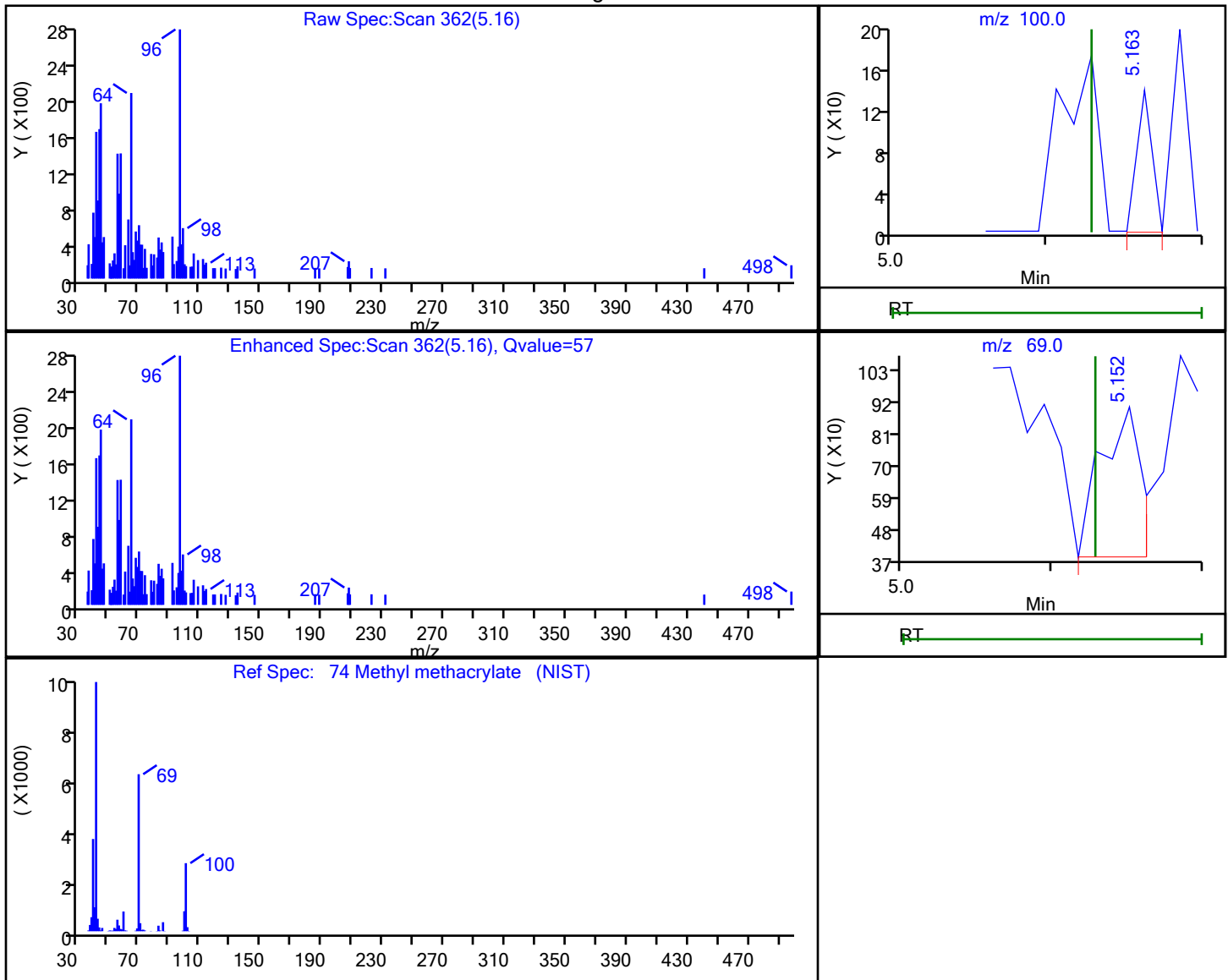
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

74 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
5.16	100.00	94	0.062499
5.15	69.00	994	

Reviewer: K0HS, 05-Jan-2024 07:42:22 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

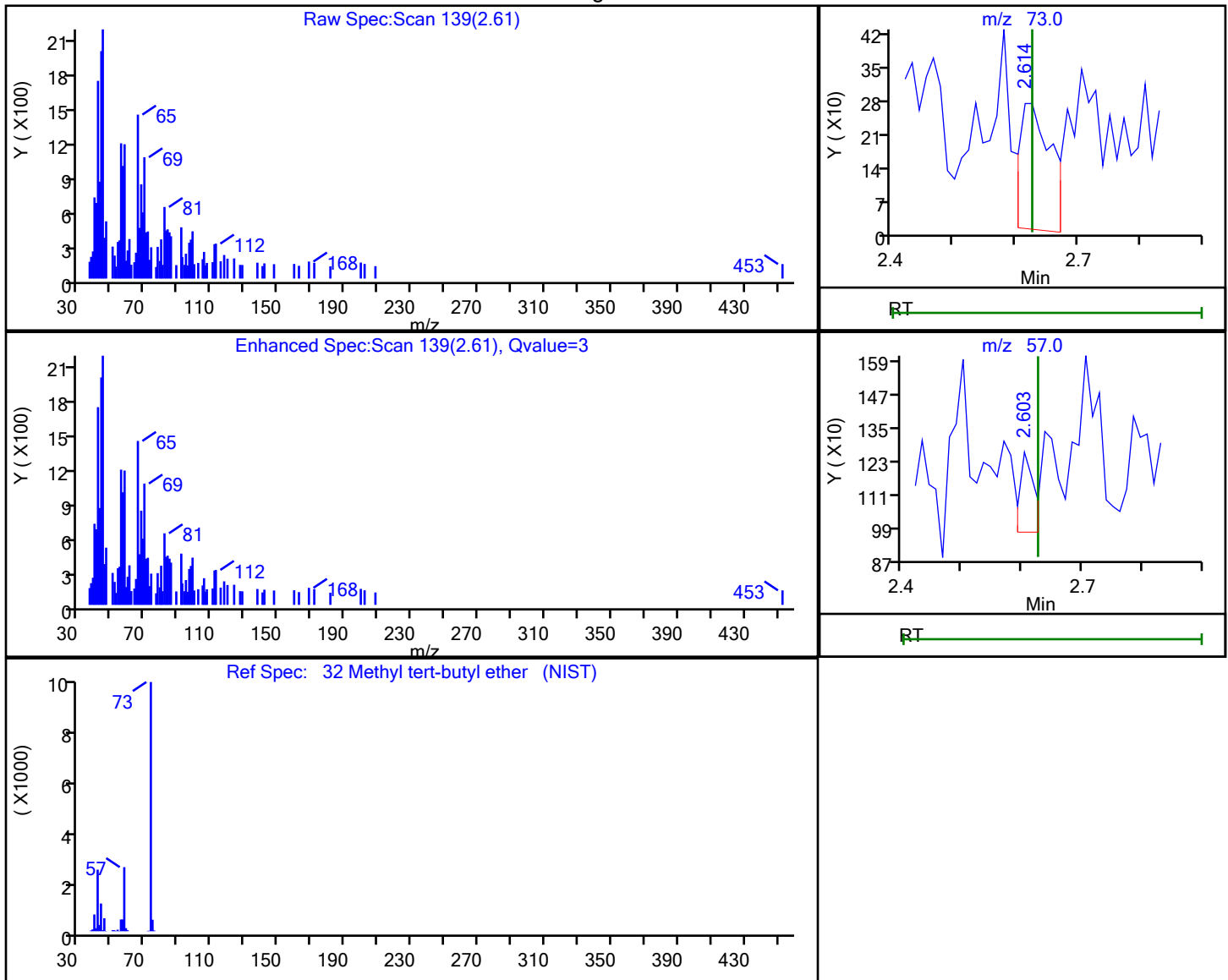
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
2.61	73.00	969	0.056724
2.60	57.00	477	

Reviewer: K0HS, 05-Jan-2024 07:41:14 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

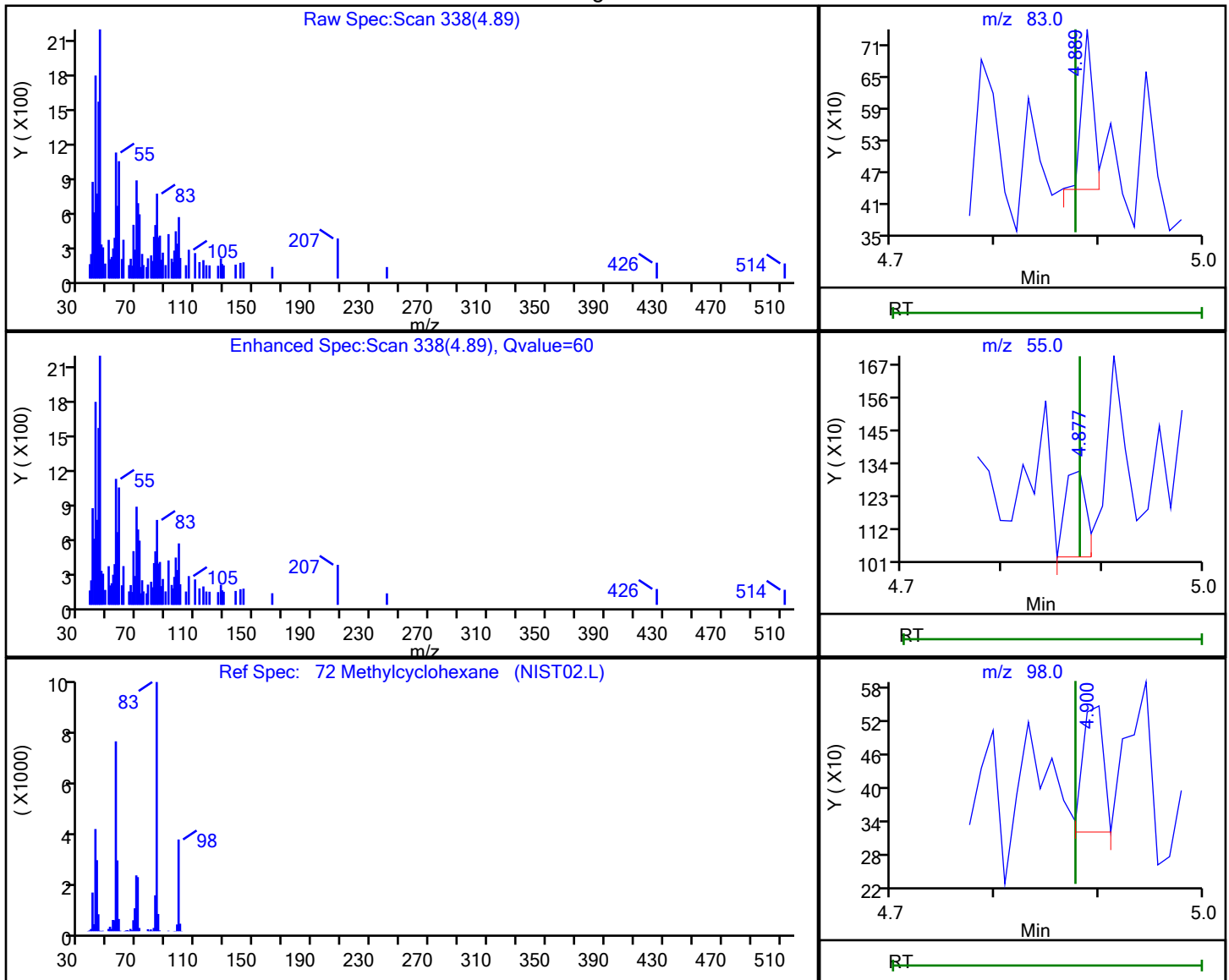
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

72 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
4.89	83.00	234	0.025624
4.88	55.00	448	
4.90	98.00	318	

Reviewer: K0HS, 05-Jan-2024 07:42:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

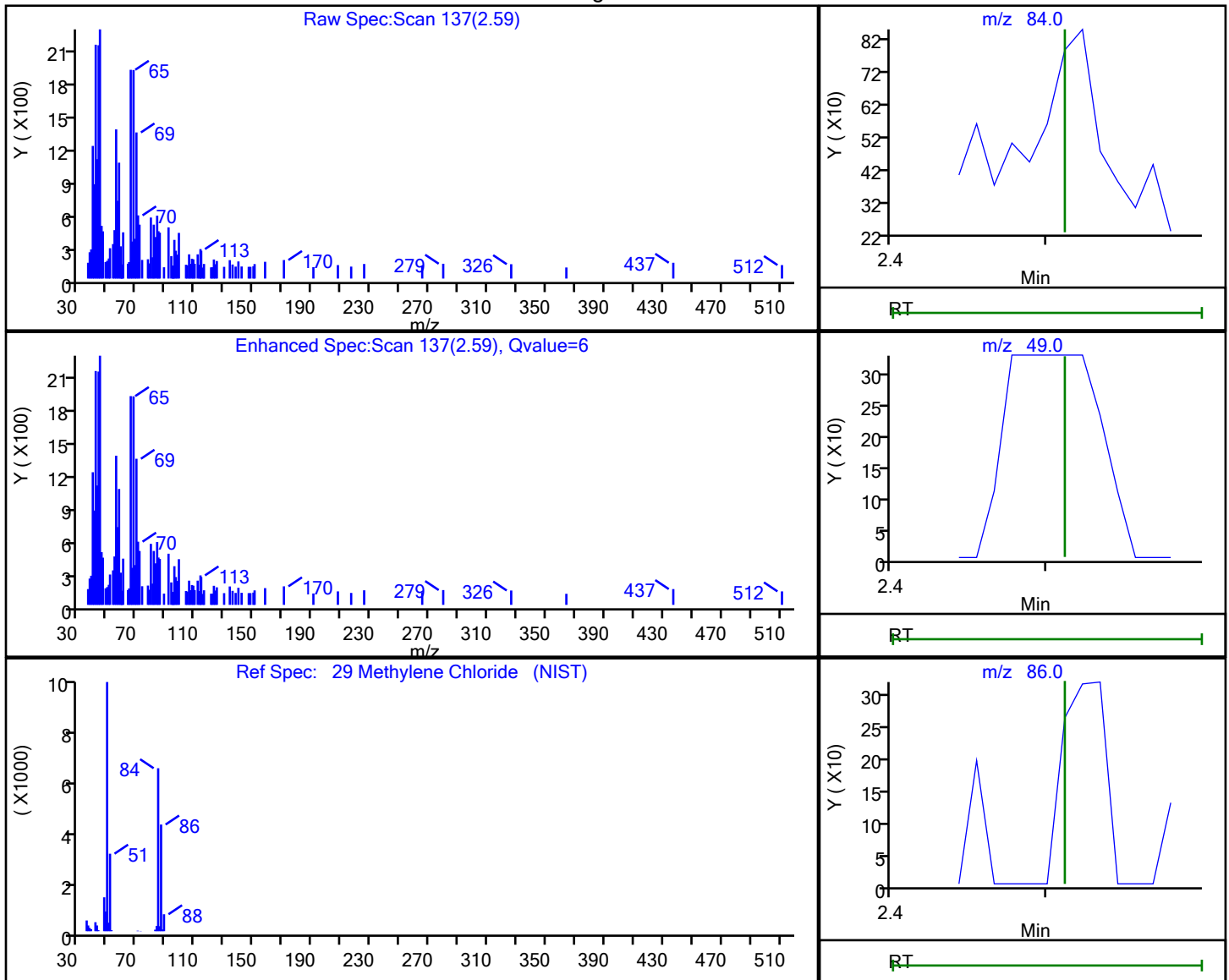
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

29 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.59	84.00	157	0.025187
2.59	49.00	194	
2.58	86.00	156	

Reviewer: K0HS, 05-Jan-2024 07:41:11 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

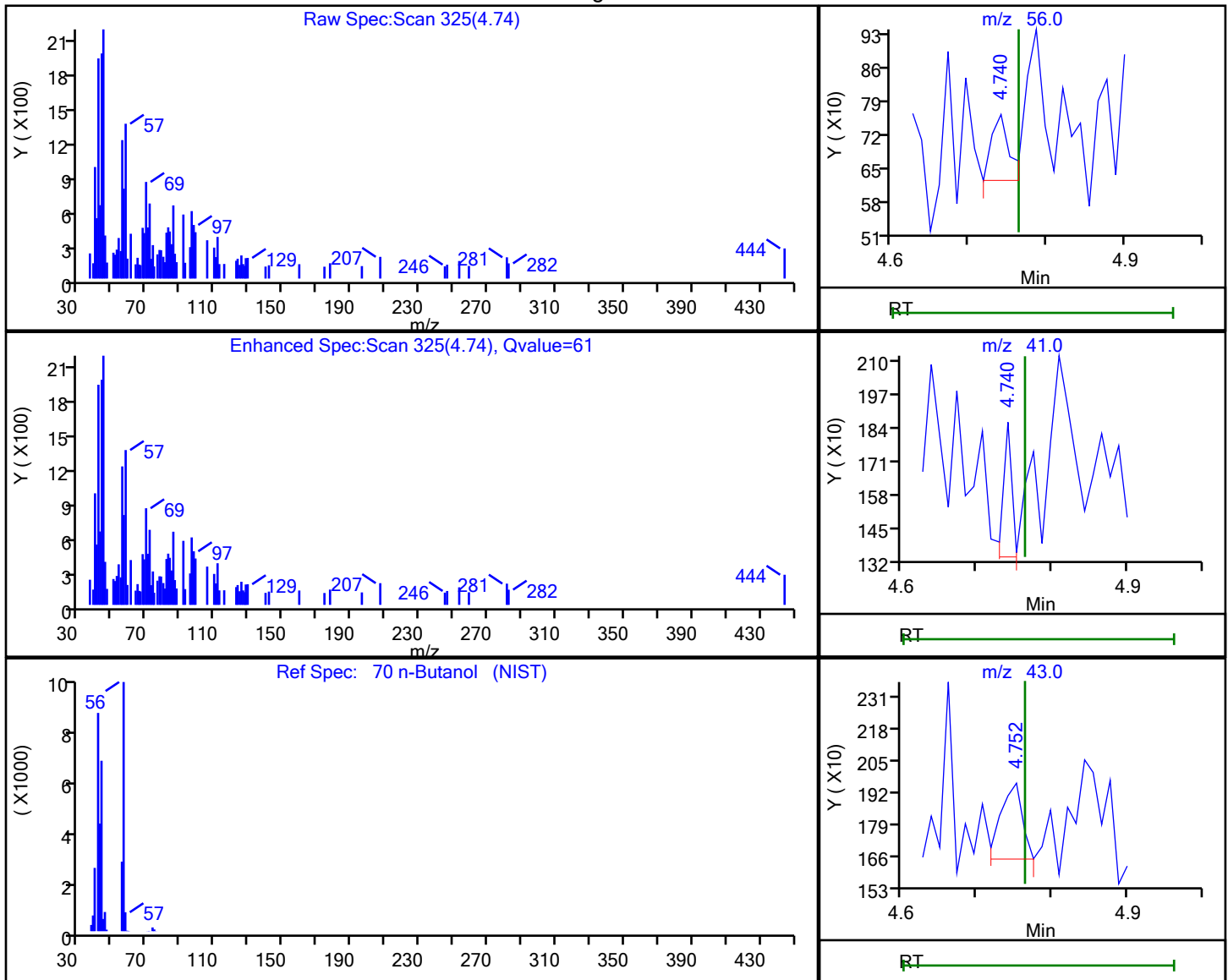
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

70 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.74	56.00	224	3.606063
4.74	41.00	422	
4.75	43.00	629	

Reviewer: K0HS, 05-Jan-2024 07:42:12 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

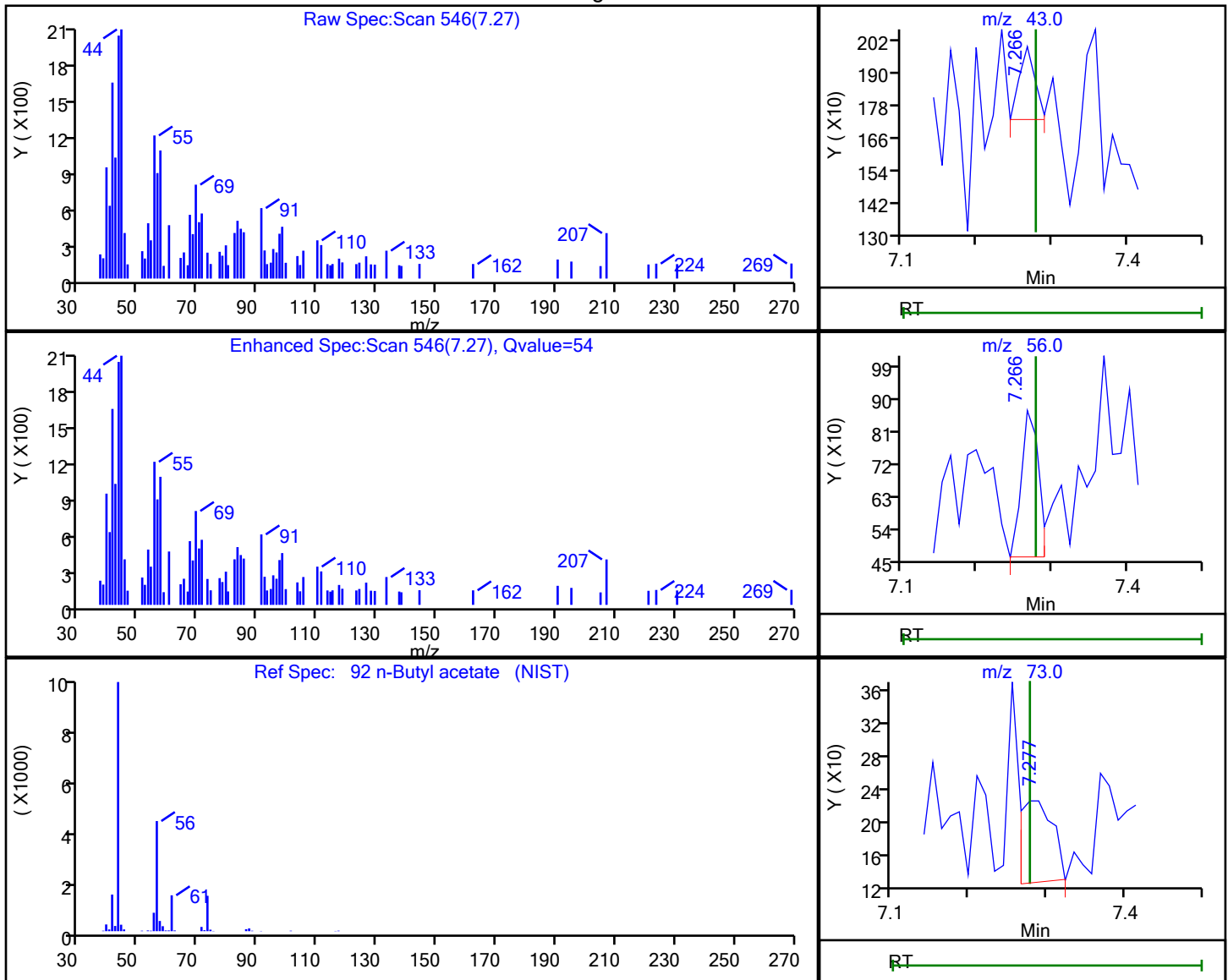
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

92 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.27	43.00	397	0.040379
7.27	56.00	660	
7.28	73.00	289	

Reviewer: K0HS, 05-Jan-2024 07:42:51 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

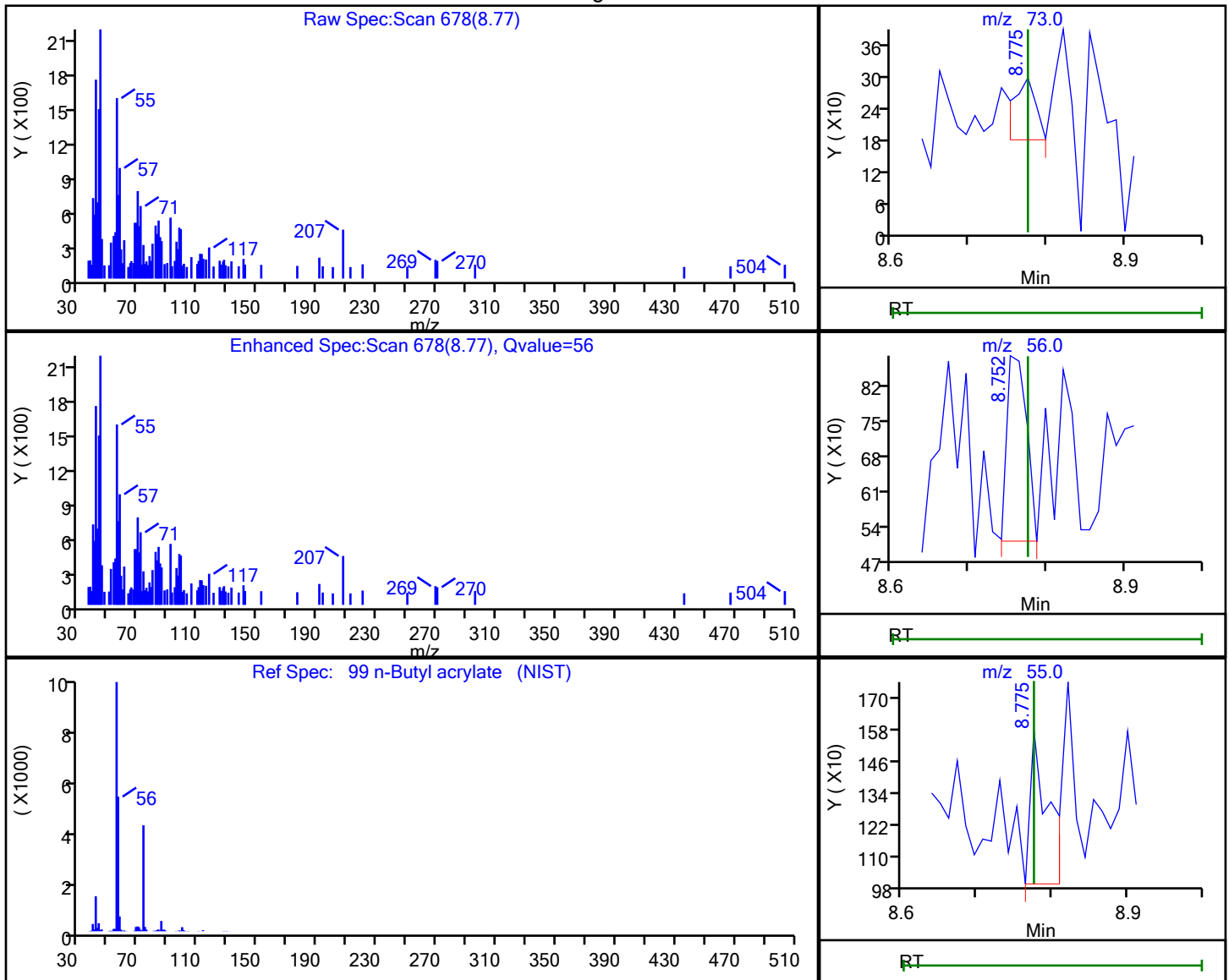
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

99 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.77	73.00	236	0.056212
8.75	56.00	654	
8.77	55.00	979	

Reviewer: K0HS, 05-Jan-2024 07:43:06 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

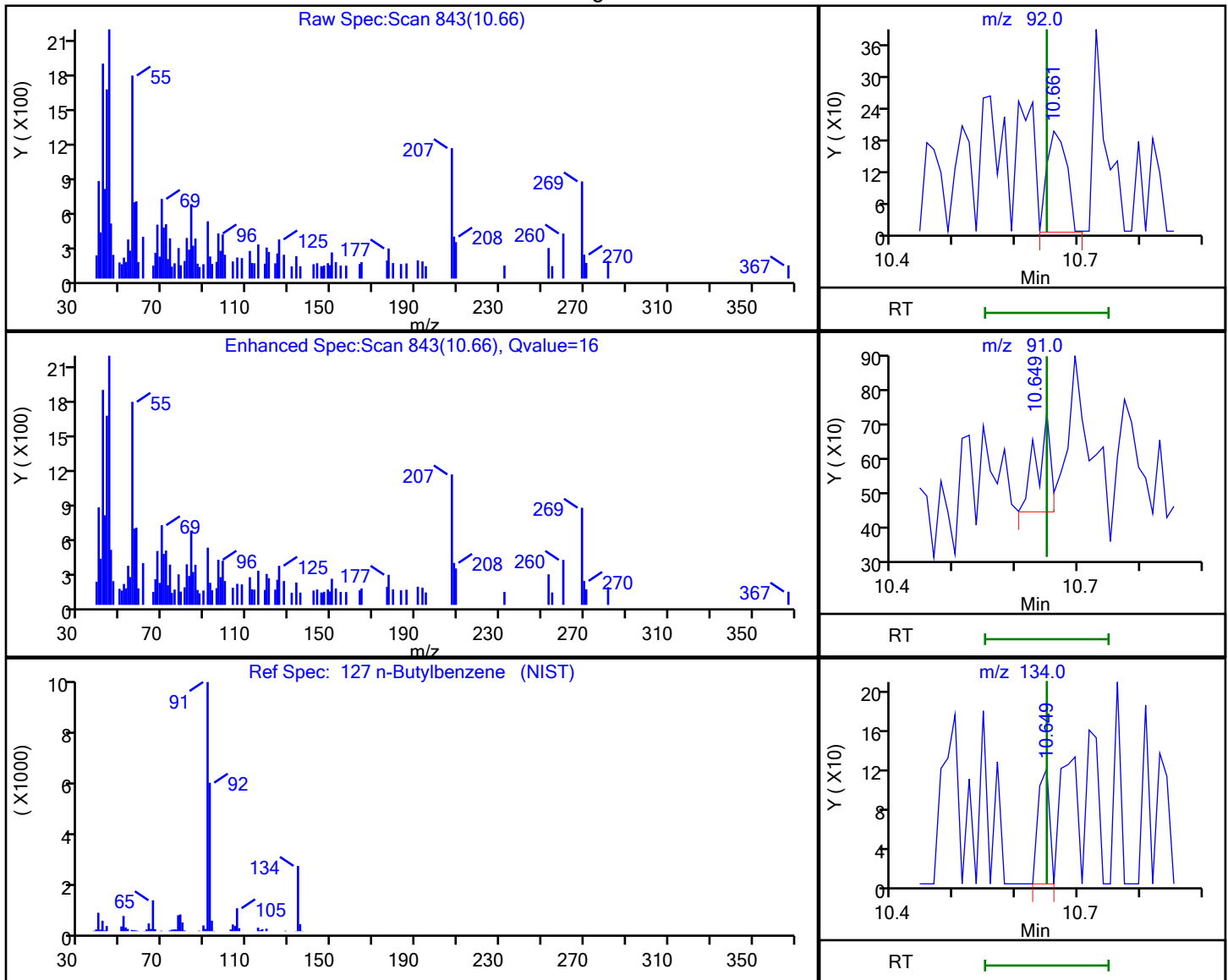
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
10.66	92.00	418	0.040298
10.65	91.00	458	
10.65	134.00	152	

Reviewer: K0HS, 05-Jan-2024 07:43:50 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

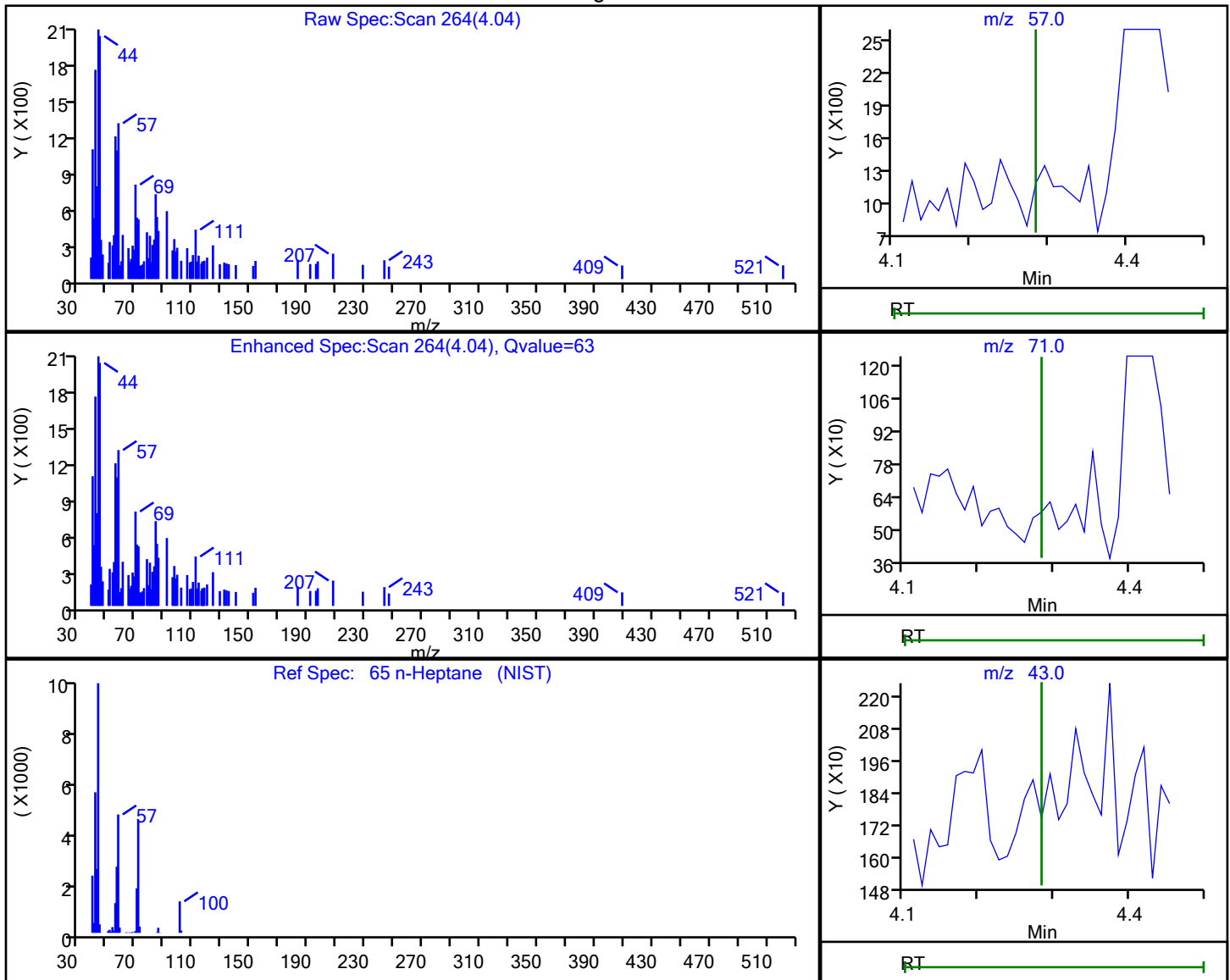
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

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

Processing Results



RT	Mass	Response	Amount
4.04	57.00	1123	0.332666
4.05	71.00	431	
4.05	43.00	1760	

Reviewer: K0HS, 05-Jan-2024 07:42:10 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

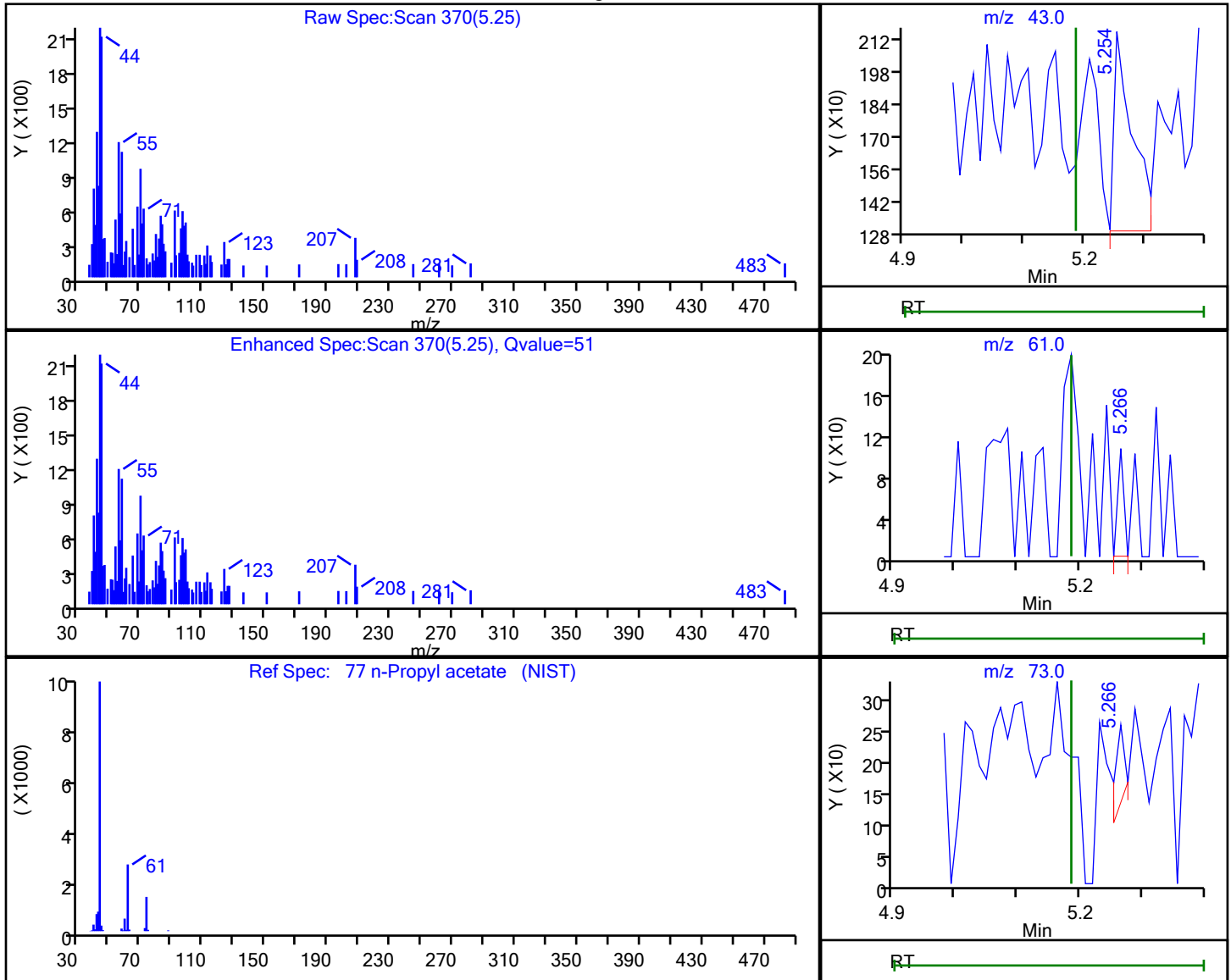
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

77 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.25	43.00	1853	0.212794
5.27	61.00	73	
5.27	73.00	132	

Reviewer: K0HS, 05-Jan-2024 07:42:24 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

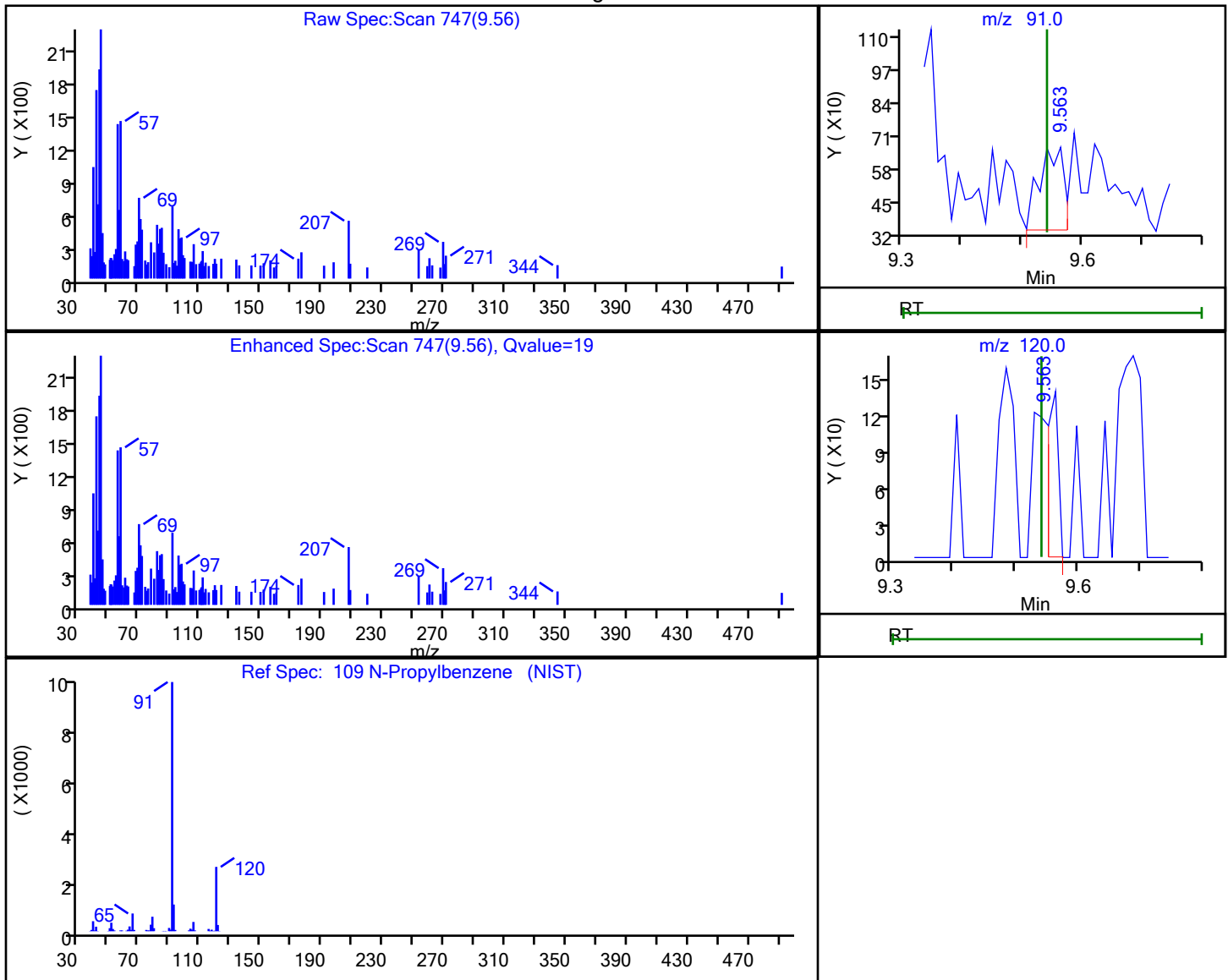
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

109 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
9.56	91.00	931	0.029937
9.56	120.00	166	

Reviewer: K0HS, 05-Jan-2024 07:43:19 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

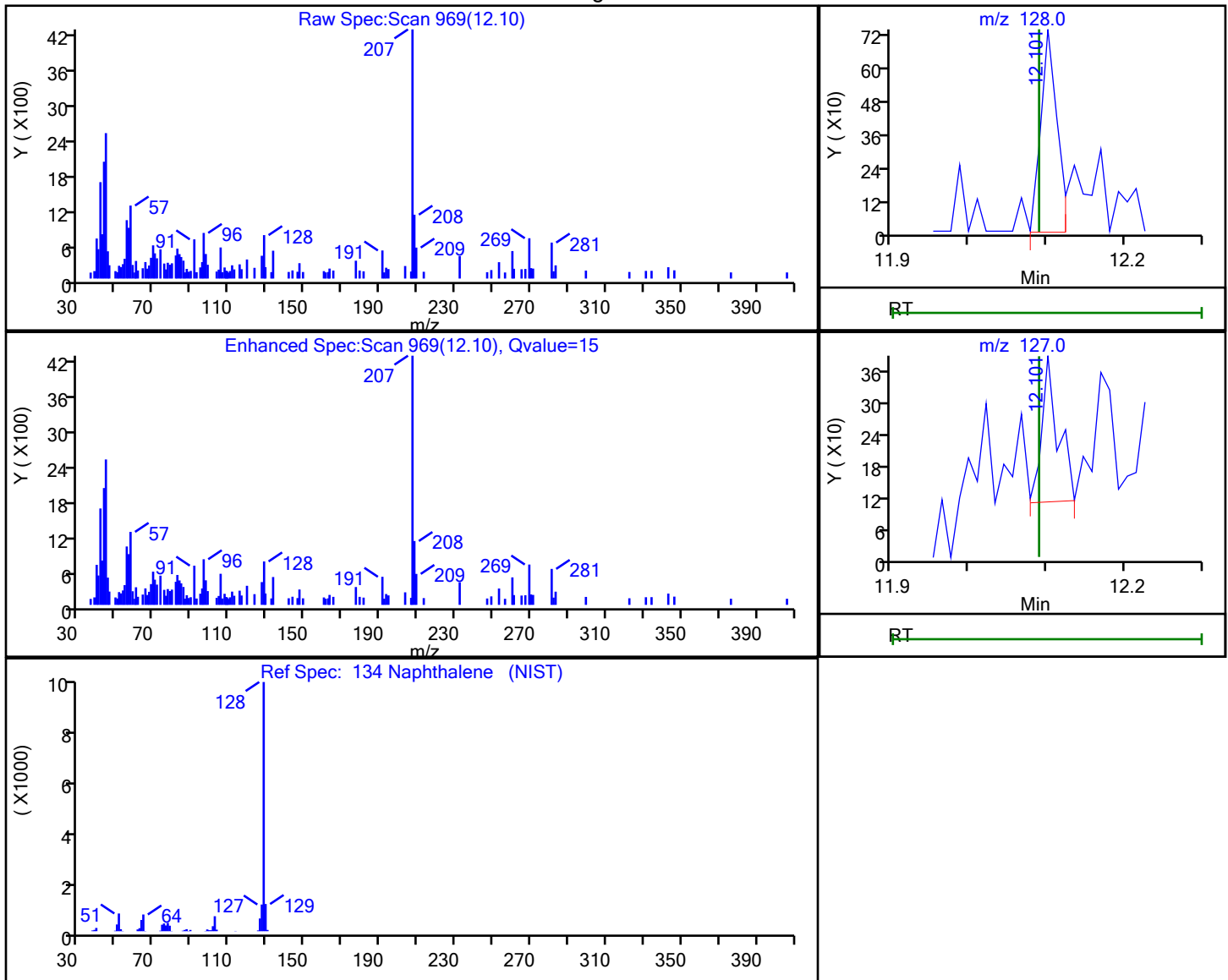
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
12.10	128.00	1094	0.064757
12.10	127.00	405	

Reviewer: K0HS, 05-Jan-2024 07:44:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#:

3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

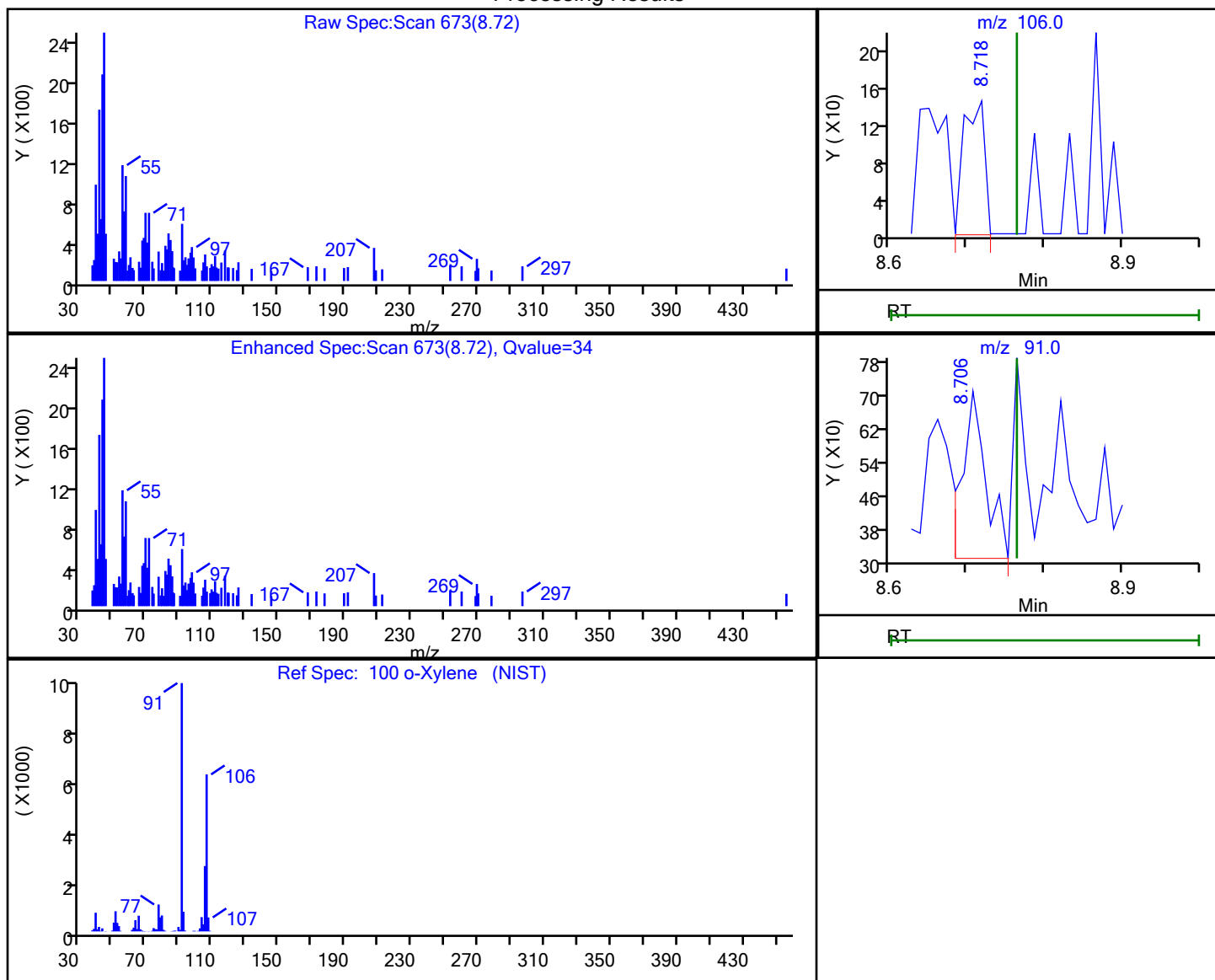
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

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

Processing Results



RT	Mass	Response	Amount
8.72	106.00	269	0.024969
8.71	91.00	857	

Reviewer: K0HS, 05-Jan-2024 07:43:04 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

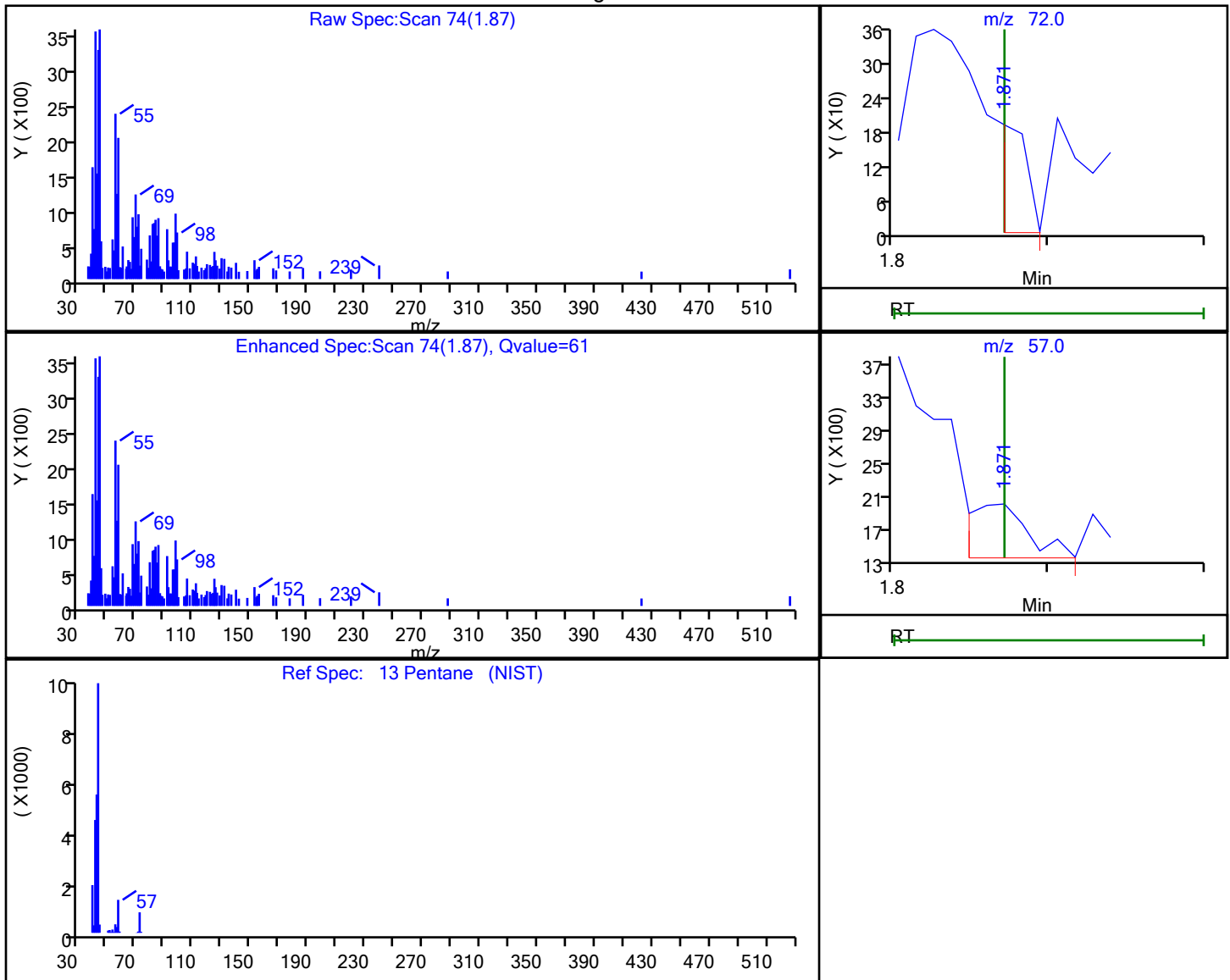
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
1.87	72.00	250	0.250740
1.87	57.00	1726	

Reviewer: K0HS, 05-Jan-2024 07:40:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

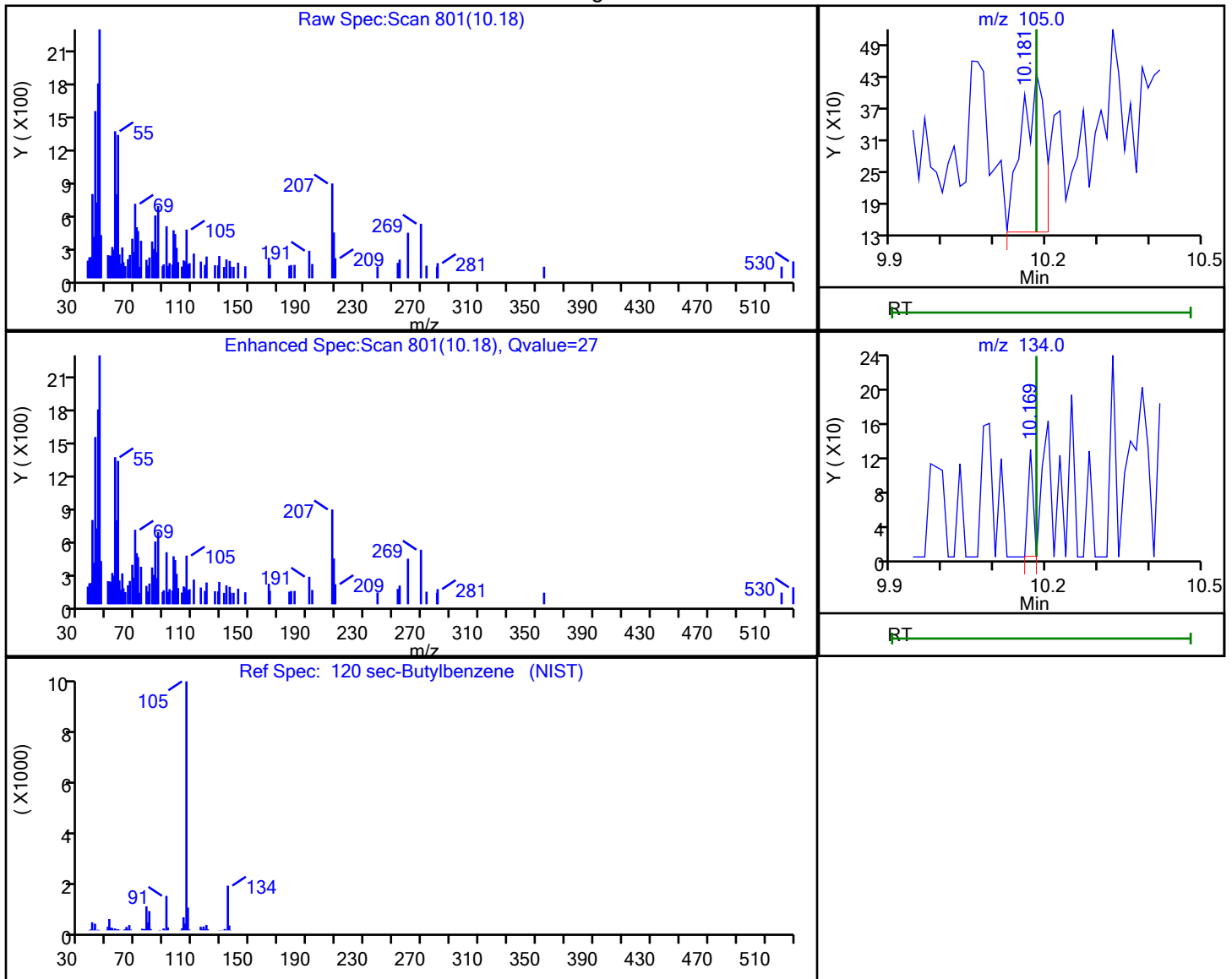
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

120 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.18	105.00	940	0.037578
10.17	134.00	88	

Reviewer: K0HS, 05-Jan-2024 07:43:26 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

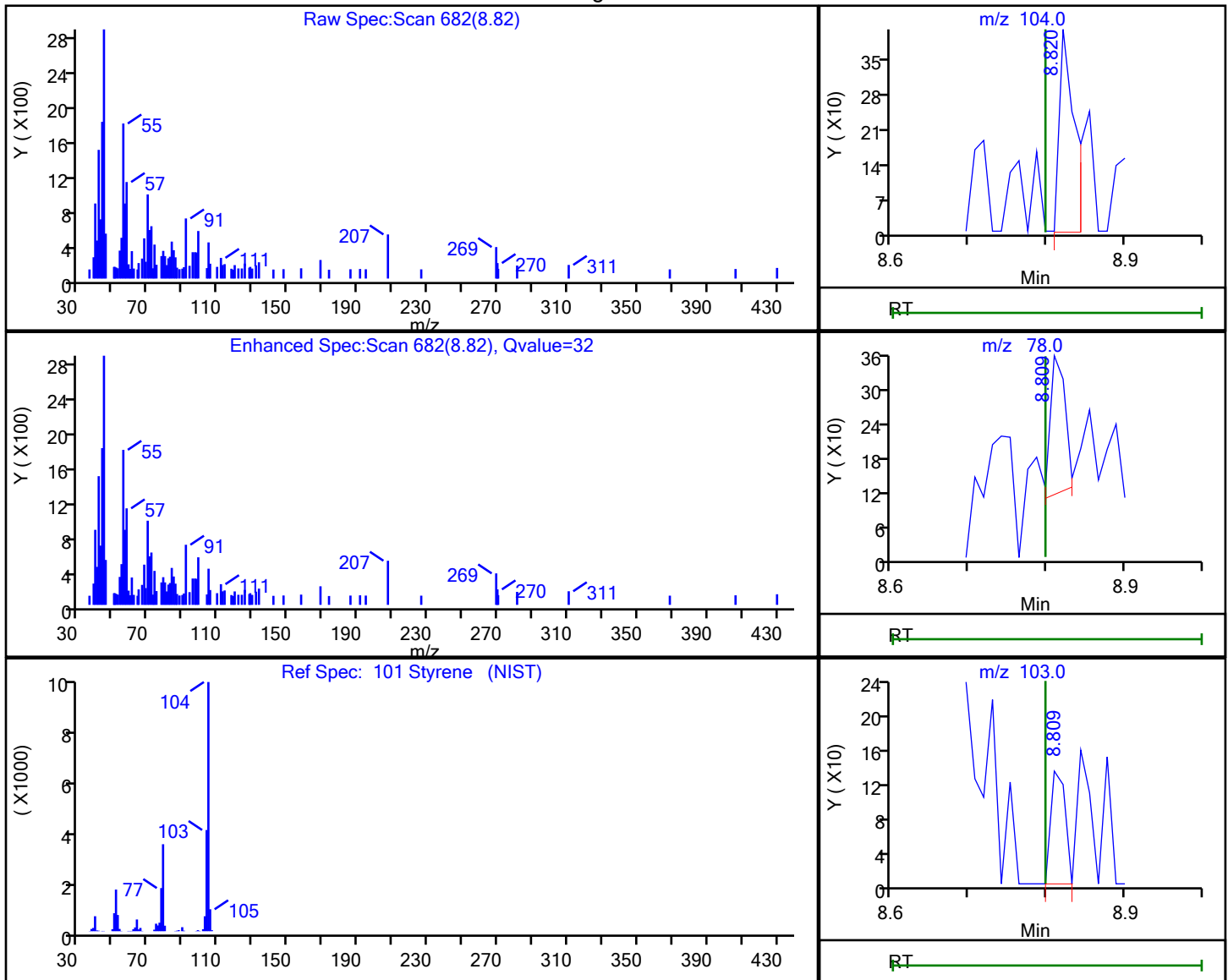
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

101 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
8.82	104.00	568	0.033091
8.81	78.00	326	
8.81	103.00	173	

Reviewer: K0HS, 05-Jan-2024 07:43:07 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

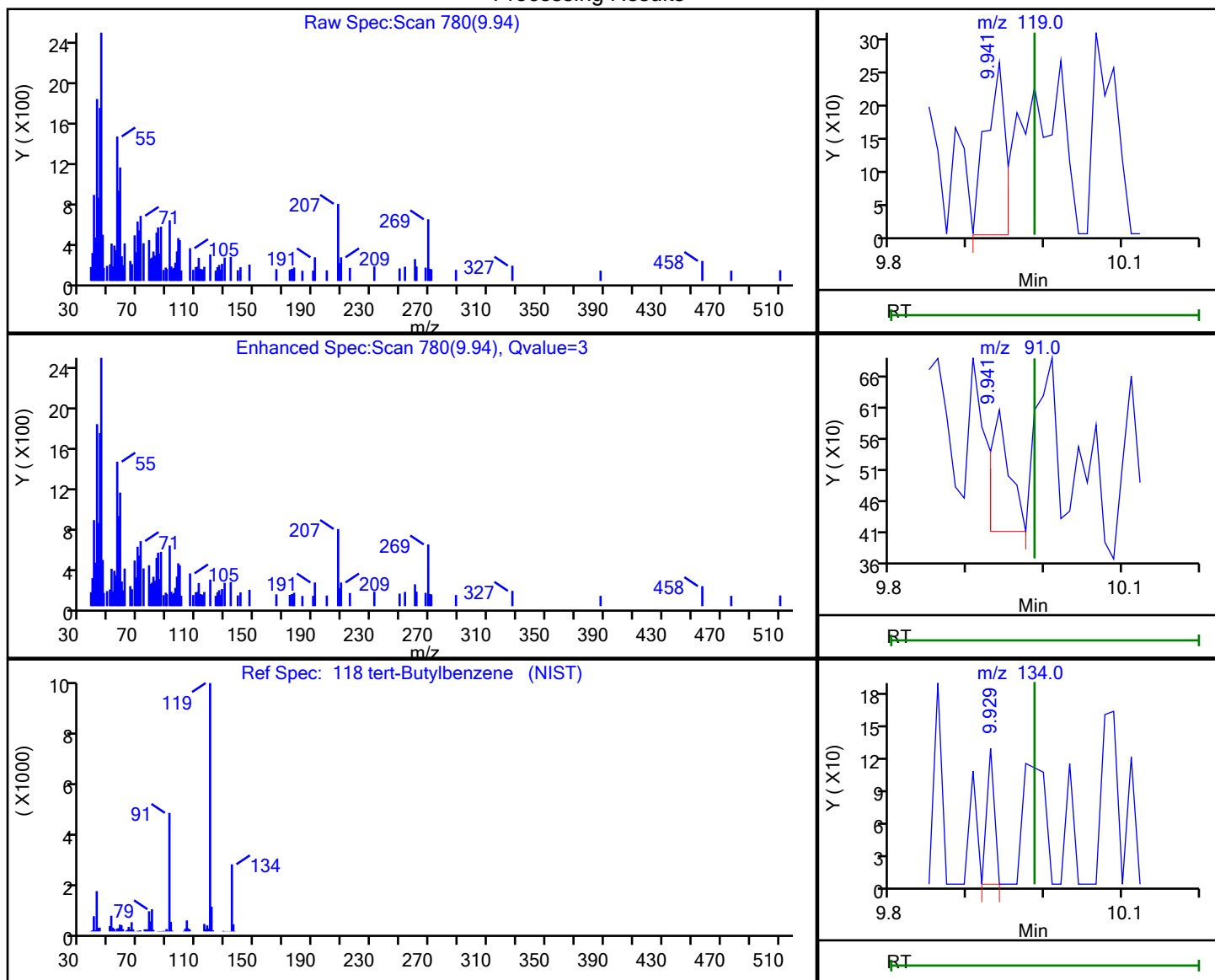
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

118 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
9.94	119.00	468	0.026042
9.94	91.00	338	
9.93	134.00	86	

Reviewer: K0HS, 05-Jan-2024 07:43:25 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

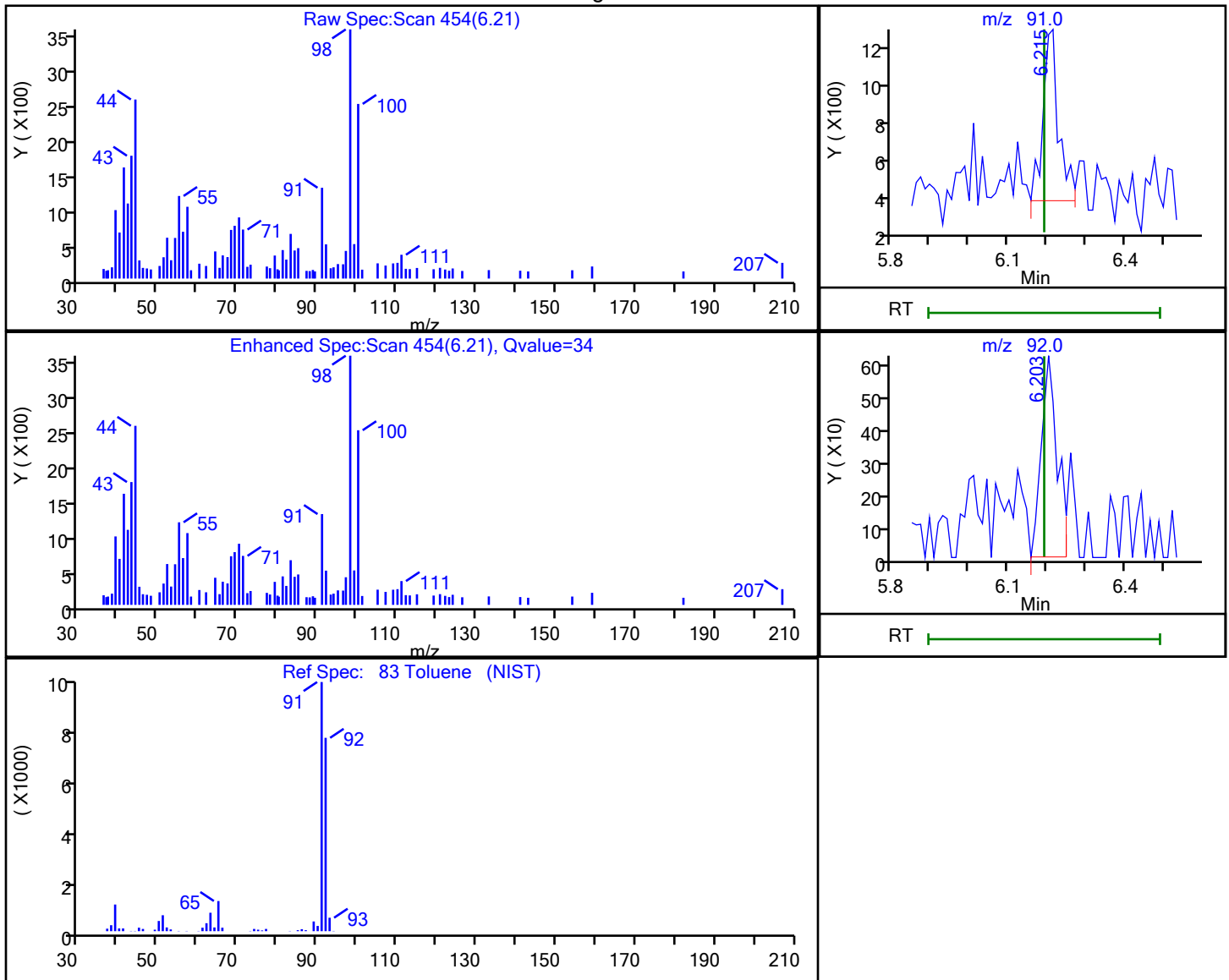
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

83 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.21	91.00	2368	0.085747
6.20	92.00	1809	

Reviewer: K0HS, 05-Jan-2024 07:42:41 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

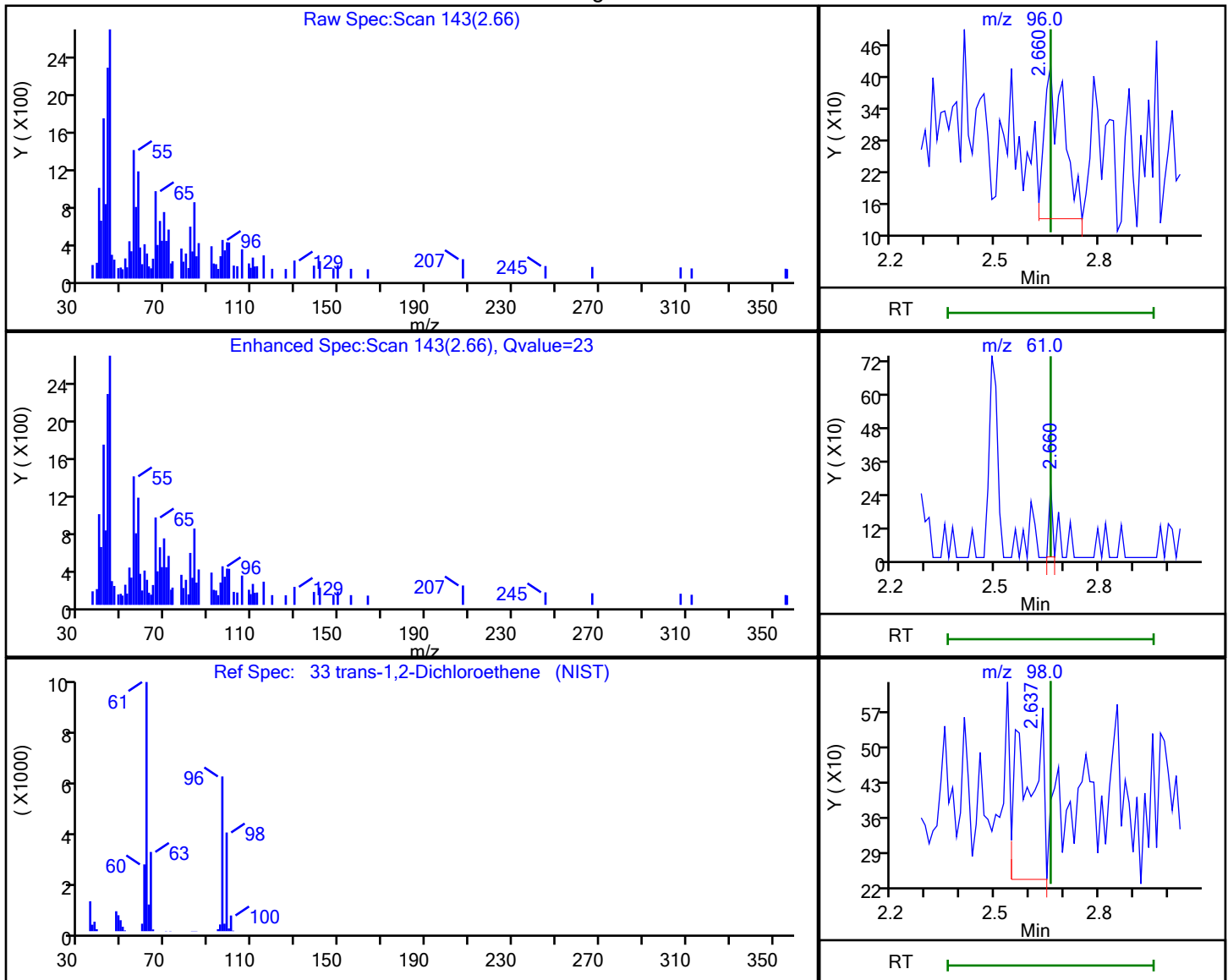
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

33 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
2.66	96.00	1149	0.137948
2.66	61.00	185	
2.64	98.00	1307	

Reviewer: K0HS, 05-Jan-2024 07:41:16 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

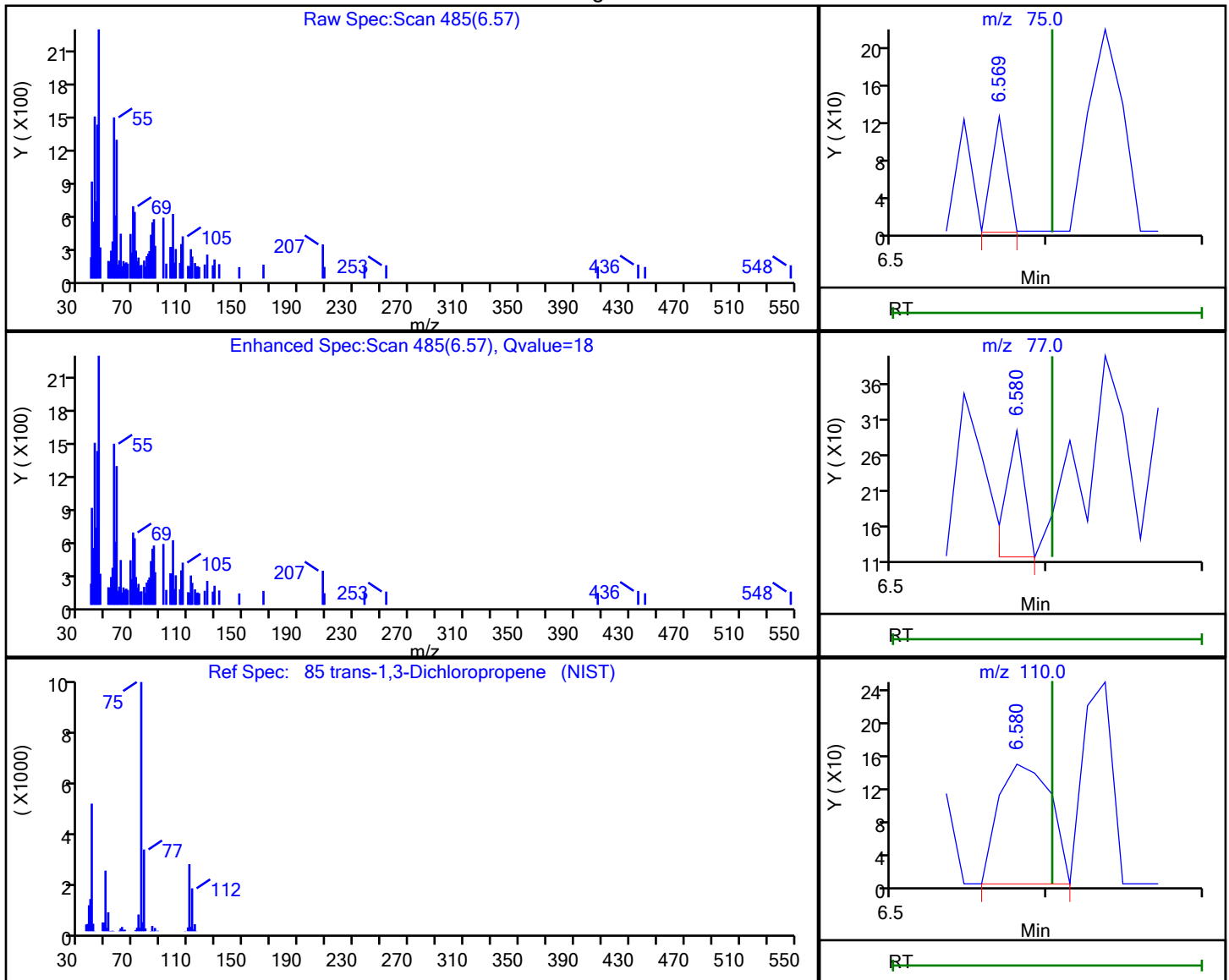
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

85 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
6.57	75.00	83	0.008616
6.58	77.00	153	
6.58	110.00	344	

Reviewer: K0HS, 05-Jan-2024 07:42:43 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

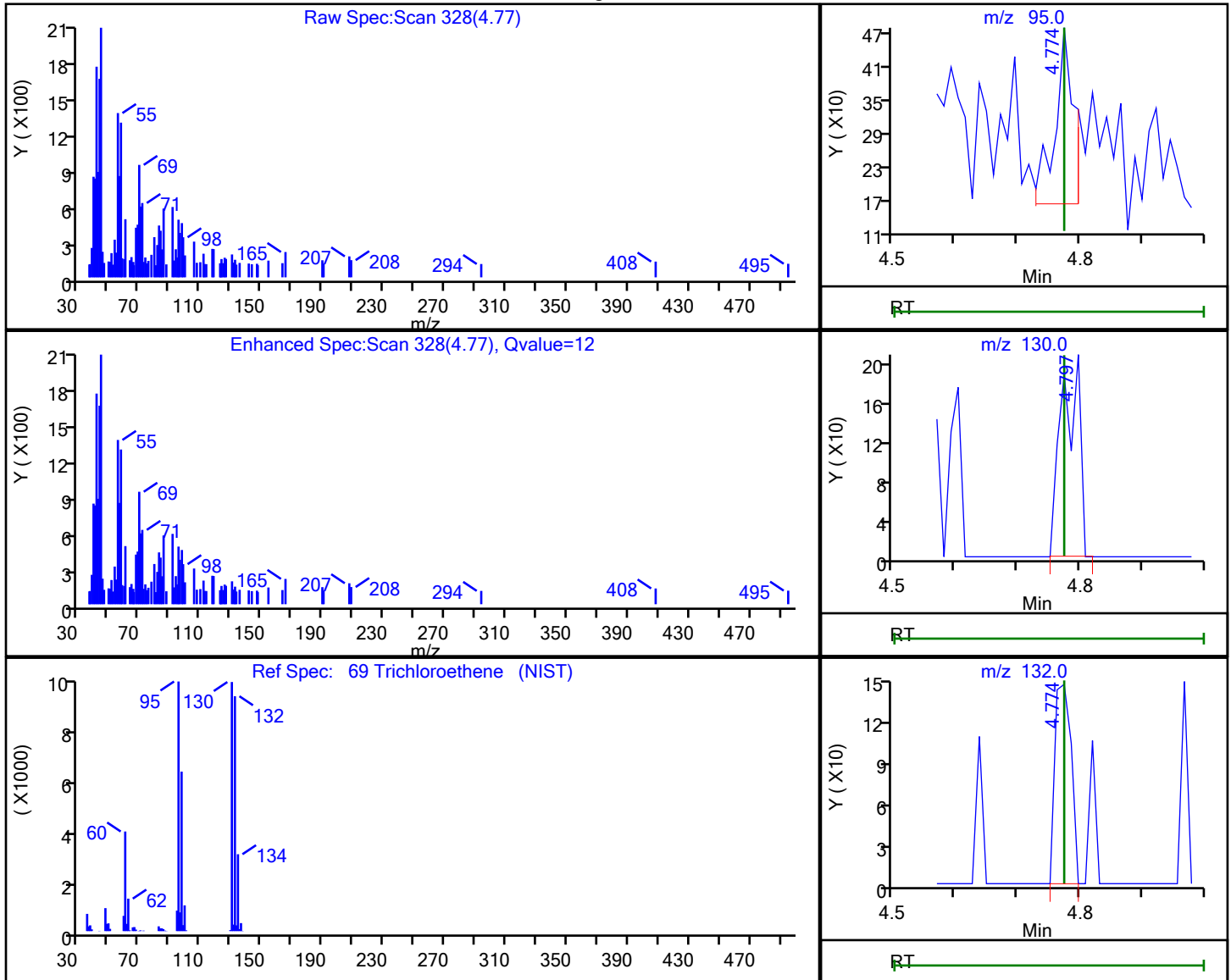
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

69 Trichloroethene, CAS: 79-01-6

Processing Results



RT	Mass	Response	Amount
4.77	95.00	677	0.111721
4.80	130.00	429	
4.77	132.00	266	

Reviewer: K0HS, 05-Jan-2024 07:42:13 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

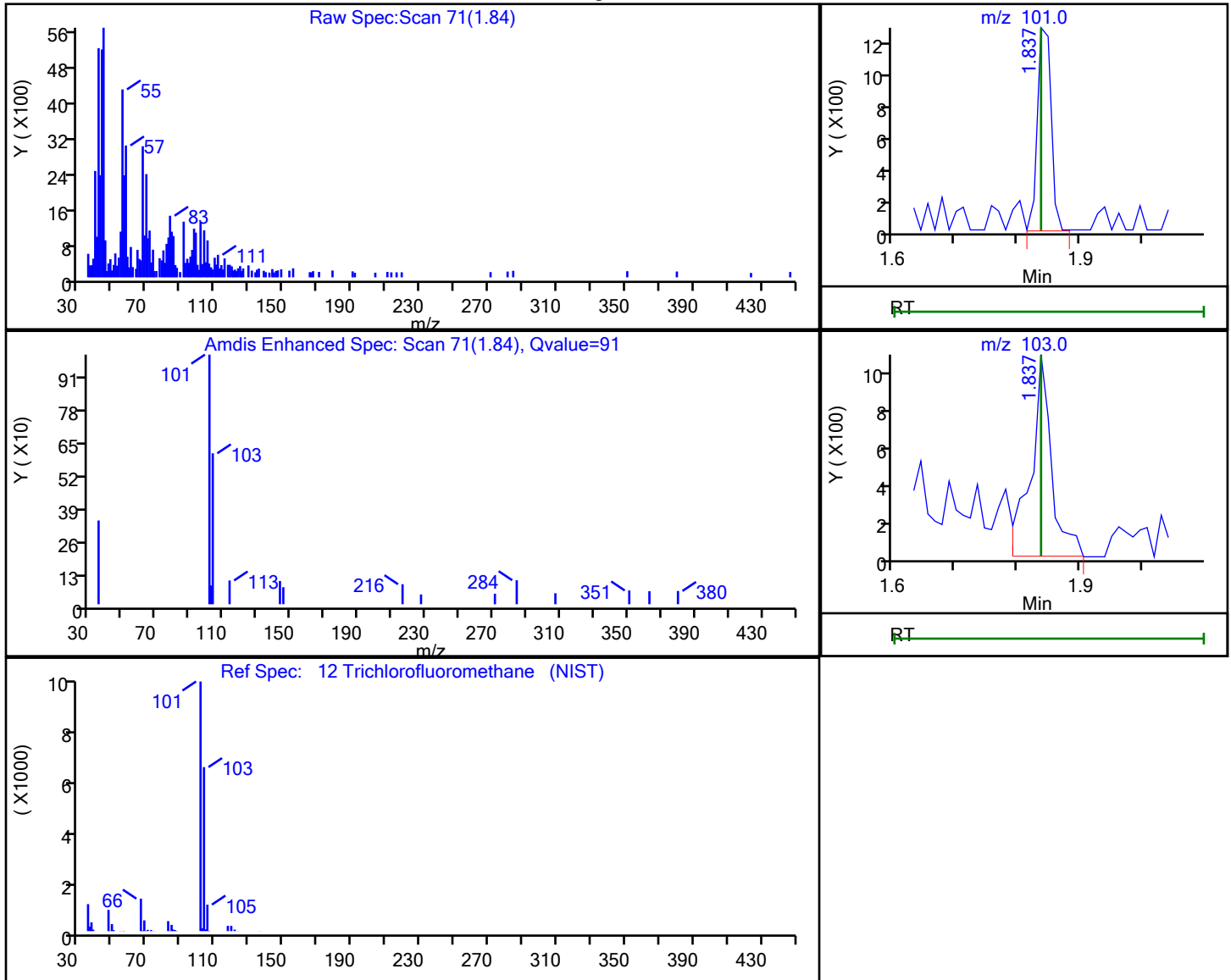
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.84	101.00	1923	0.225089
1.84	103.00	2501	

Reviewer: K0HS, 05-Jan-2024 07:40:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

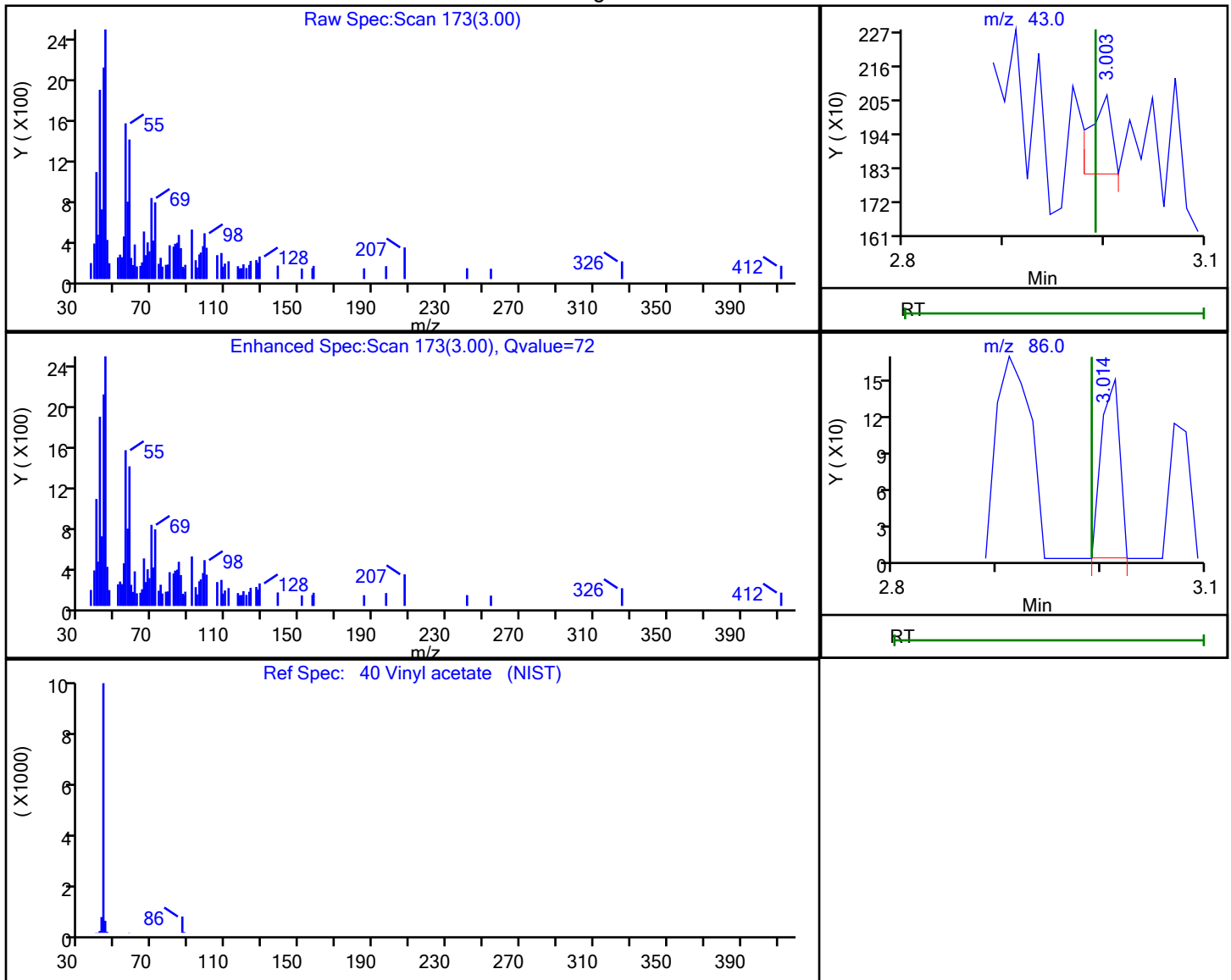
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

40 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
3.00	43.00	386	0.030444
3.01	86.00	182	

Reviewer: K0HS, 05-Jan-2024 07:41:21 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49183.D

Injection Date: 04-Jan-2024 23:54:30

Instrument ID: CVOAMS7

Lims ID: STD8

Client ID:

Operator ID:

ALS Bottle#:

52

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

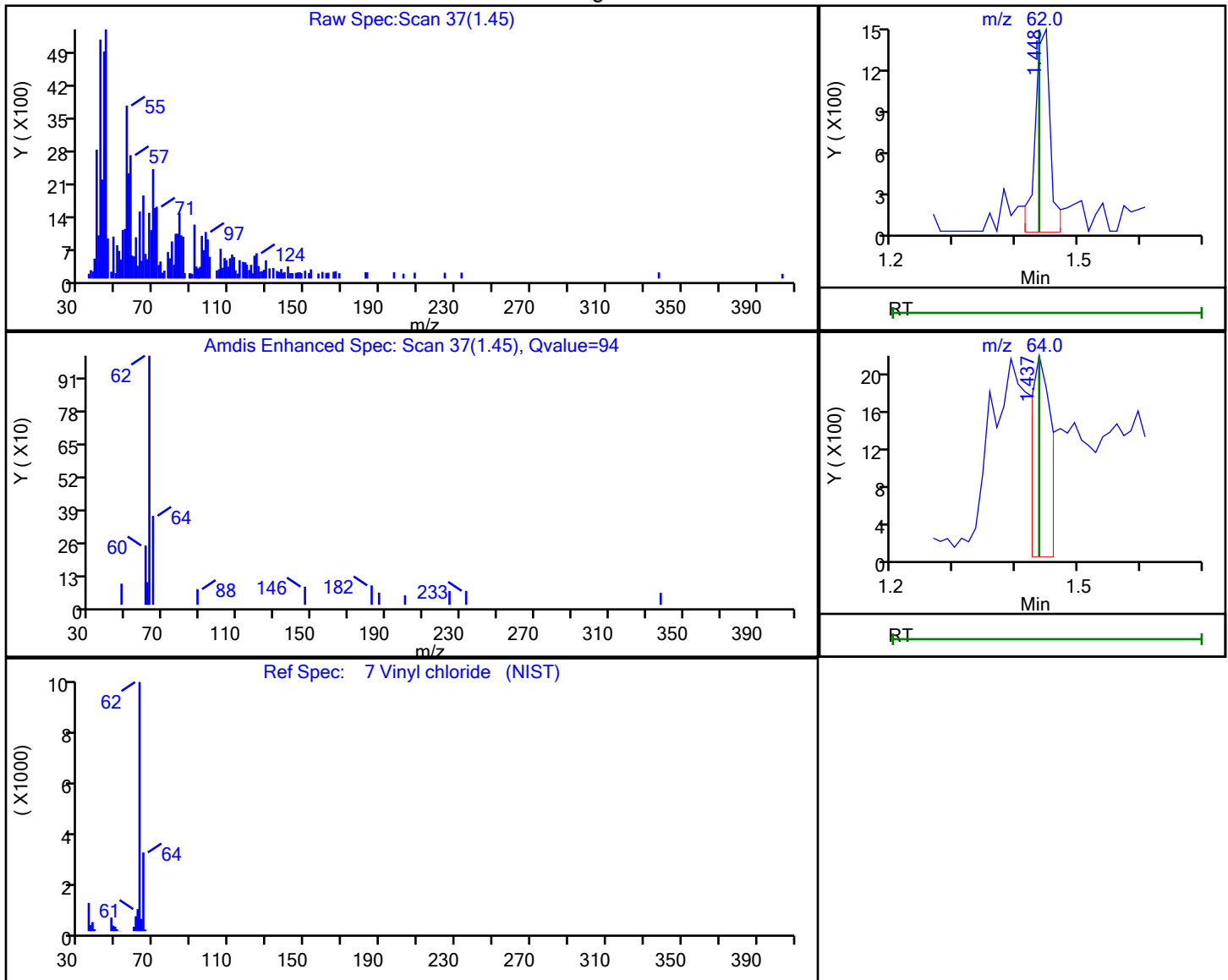
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.45	62.00	2453	0.278597
1.44	64.00	4764	

Reviewer: K0HS, 05-Jan-2024 07:40:41 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
 Lims ID: STD05
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 05-Jan-2024 00:15:30 ALS Bottle#: 53 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD05
 Misc. Info.: 460-0170980-004
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:12 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 08:09:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	45	944	NC	NC	a
4 1,1-Difluoroethane	65	1.243	1.243	0.000	66	1291	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	81	3594	0.5000	0.5223	
2 Chlorodifluoromethane	67	1.277	1.265	0.012	84	638	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	96	3832	0.5000	0.4702	M
7 Vinyl chloride	62	1.448	1.437	0.011	65	4292	0.5000	0.5136	
8 Butadiene	54	1.460	1.460	0.000	91	3757	0.5000	0.4762	
9 Bromomethane	94	1.654	1.654	0.000	38	1976	0.5000	0.5082	
10 Chloroethane	64	1.711	1.711	0.000	58	2397	0.5000	0.4584	
11 Dichlorofluoromethane	67	1.837	1.825	0.012	95	6166	NC	NC	M
12 Trichlorofluoromethane	101	1.848	1.837	0.011	54	3882	0.5000	0.4609	
13 Pentane	72	1.871	1.871	0.000	94	937	1.00	0.9191	
14 Ethyl ether	74	2.020	2.008	0.012	92	2798	0.5000	0.7408	M
15 2-Methyl-1,3-butadiene	53	2.031	2.020	0.011	91	2954	0.5000	0.4788	a
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.043	2.031	0.012	80	2546	NC	NC	a
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	94	3762	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	94	2560	0.5000	0.4952	
52 Acrolein	56	2.180	2.146	0.034	33	1319	2.00	2.73	Ma
20 1,1-Dichloroethene	96	2.180	2.168	0.012	97	3051	0.5000	0.6163	
23 Acetone	43	2.237	2.226	0.011	70	2291	2.50	1.31	M
21 Iodomethane	142	2.294	2.294	0.000	31	1411	0.5000	0.8878	
24 Isopropyl alcohol	45	2.317	2.294	0.023	19	478	5.00	1.78	
22 Carbon disulfide	76	2.328	2.317	0.011	99	10876	0.5000	0.5464	
30 Methyl acetate	43	2.443	2.408	0.035	43	2851	1.00	0.6468	a
26 3-Chloro-1-propene	76	2.408	2.408	0.000	85	2126	0.5000	0.5392	
25 Cyclopentene	67	2.431	2.431	0.000	90	6204	NC	NC	
27 Acetonitrile	41	2.500	2.454	0.046	20	3405	5.00	5.71	Ma
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	34646	1000.0	1000.0	
29 Methylene Chloride	84	2.511	2.511	0.000	34	3828	0.5000	0.6588	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	35	3046	5.00	5.65	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Methyl tert-butyl ether	73	2.637	2.626	0.011	93	7711	0.5000	0.4381	
33 trans-1,2-Dichloroethene	96	2.671	2.660	0.011	96	2494	0.5000	0.4315	M
35 Acrylonitrile	53	2.751	2.706	0.045	82	6188	5.00	3.19	M
36 Hexane	57	2.786	2.786	0.000	87	4228	0.5000	0.5511	
37 Isopropyl ether	45	2.946	2.946	0.000	99	9712	0.5000	0.4482	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	94	5568	0.5000	0.4702	
40 Vinyl acetate	43	3.014	2.991	0.023	93	9766	1.00	0.7698	
39 2-Chloro-1,3-butadiene	88	3.037	3.026	0.011	93	2450	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	90	9430	NC	NC	
* 42 2-Butanone-d5	46	3.403	3.391	0.012	100	303085	250.0	250.0	
43 2,2-Dichloropropane	97	3.414	3.403	0.011	46	2042	0.5000	0.9259	
45 cis-1,2-Dichloroethene	96	3.449	3.437	0.012	88	3156	0.5000	0.4928	
44 2-Butanone (MEK)	72	3.471	3.437	0.034	94	1486	2.50	2.29	
47 Ethyl acetate	70	3.460	3.449	0.012	22	1340	1.00	3.38	M
46 Methyl acrylate	55	3.540	3.494	0.046	56	1608	NC	NC	
48 Propionitrile	54	3.631	3.563	0.068	36	3254	NC	NC	a
54 Methacrylonitrile	67	3.666	3.643	0.023	95	9603	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	90	1658	0.5000	0.5702	
50 Tetrahydrofuran	72	3.677	3.643	0.034	29	741	1.00	0.9608	Ma
51 Chloroform	83	3.689	3.689	0.000	65	6046	0.5000	0.5734	
53 Cyclohexane	84	3.814	3.803	0.011	31	3803	0.5000	0.4399	a
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	45	4624	0.5000	0.4923	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	174723	50.0	51.3	
57 Carbon tetrachloride	117	3.929	3.929	0.000	92	4184	0.5000	0.5335	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	91	4006	0.5000	0.4612	
64 Isooctane	57	4.111	4.100	0.011	93	7623	NC	NC	
59 Benzene	78	4.146	4.134	0.012	94	12118	0.5000	0.4794	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	217414	50.0	51.2	
62 Tert-amyl methyl ether	73	4.203	4.191	0.012	80	8775	NC	NC	
66 Isopropyl acetate	87	4.191	4.191	0.000	85	2575	0.5000	0.4746	
63 1,2-Dichloroethane	62	4.237	4.226	0.011	93	4509	0.5000	0.5209	
65 n-Heptane	57	4.294	4.283	0.011	80	1553	0.5000	0.4687	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	638918	50.0	50.0	M
69 Trichloroethene	95	4.774	4.774	0.000	94	3124	0.5000	0.5264	
72 Methylcyclohexane	83	4.889	4.877	0.012	93	4191	0.5000	0.4611	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	86	3038	0.5000	0.4642	
* 68 1,4-Dioxane-d8	96	5.129	5.117	0.012	93	20785	1000.0	1000.0	
74 Methyl methacrylate	100	5.163	5.129	0.034	81	1253	1.00	0.8340	
78 1,4-Dioxane	88	5.197	5.174	0.023	40	806	25.0	12.8	Ma
77 n-Propyl acetate	43	5.197	5.186	0.011	28	2949	0.5000	0.3610	a
75 Dibromomethane	93	5.197	5.186	0.011	80	2462	0.5000	0.6855	
76 Dichlorobromomethane	83	5.346	5.346	0.000	97	3995	0.5000	0.4914	
34 2-Nitropropane	41	5.689	5.677	0.012	96	2989	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.723	5.700	0.023	27	1058	0.5012	0.3165	a
80 Epichlorohydrin	57	5.837	5.803	0.034	81	3482	10.0	6.69	a
81 cis-1,3-Dichloropropene	75	5.883	5.860	0.023	95	4480	0.5000	0.4153	
84 4-Methyl-2-pentanone (MIBK)	43	6.043	6.032	0.011	94	11828	2.50	2.09	a
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	766919	50.0	49.9	
83 Toluene	91	6.203	6.192	0.011	89	15064	0.5000	0.5664	
85 trans-1,3-Dichloropropene	75	6.615	6.603	0.012	93	4296	0.5000	0.4397	
86 Ethyl methacrylate	69	6.649	6.626	0.023	68	2813	NC	NC	
87 1,1,2-Trichloroethane	83	6.832	6.832	0.000	58	2000	0.5000	0.4599	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166	6.877	6.866	0.011	87	2491	0.5000	0.4316	
89 1,3-Dichloropropane	76	7.060	7.049	0.011	90	3899	0.5000	0.4145	
91 2-Hexanone	43	7.197	7.129	0.068	71	5083	2.50	1.40	
92 n-Butyl acetate	43	7.323	7.277	0.046	32	2084	0.5000	0.2266	M
90 Chlorodibromomethane	129	7.335	7.312	0.023	88	2930	0.5000	0.5262	
93 Ethylene Dibromide	107	7.483	7.472	0.011	94	2275	0.5000	0.4383	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	89	456611	50.0	50.0	
95 Chlorobenzene	112	8.089	8.078	0.011	94	7368	0.5000	0.4712	
97 Ethylbenzene	106	8.180	8.180	0.000	97	4254	0.5000	0.4877	
96 1,1,1,2-Tetrachloroethane	131	8.203	8.203	0.000	52	2741	0.5000	0.5019	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	96	6102	0.5000	0.5634	
100 o-Xylene	106	8.775	8.763	0.012	92	5009	0.5000	0.4748	
99 n-Butyl acrylate	73	8.798	8.775	0.023	70	2293	0.5000	0.4862	
101 Styrene	104	8.820	8.798	0.022	95	7092	0.5000	0.4114	
102 Amyl acetate (mixed isomers)	43	9.049	9.015	0.034	78	3814	0.5000	0.3681	
103 Bromoform	173	9.015	9.015	0.000	92	1872	0.5000	0.5199	
104 Isopropylbenzene	105	9.141	9.140	0.001	95	11668	0.5000	0.4414	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	201047	50.0	51.0	
107 Bromobenzene	156	9.472	9.472	0.000	93	2598	0.5000	0.4339	
108 1,1,2,2-Tetrachloroethane	83	9.541	9.529	0.012	45	4177	0.5000	0.6290	
109 N-Propylbenzene	91	9.552	9.541	0.011	97	13968	0.5000	0.4547	
115 1,2,3-Trichloropropane	110	9.575	9.563	0.012	67	1150	0.5000	0.5972	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	43	627	NC	NC	a
114 2-Chlorotoluene	91	9.643	9.643	0.000	90	7706	0.5000	0.3607	
113 4-Ethyltoluene	105	9.655	9.655	0.000	95	10317	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.723	9.712	0.011	94	9618	0.5000	0.4524	
110 4-Chlorotoluene	91	9.758	9.758	0.000	97	7733	0.5000	0.3740	
117 Butyl Methacrylate	87	9.838	9.826	0.012	91	3231	0.5000	0.4480	
118 tert-Butylbenzene	119	9.998	9.986	0.012	90	7389	0.5000	0.4118	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	97	10967	0.5000	0.5202	
120 sec-Butylbenzene	105	10.192	10.181	0.011	98	10643	0.5000	0.4248	
121 4-Isopropyltoluene	119	10.318	10.306	0.012	96	9142	0.5000	0.4288	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	84	4843	0.5000	0.4190	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	212381	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	91	5286	0.5000	0.4597	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	95	9105	0.5000	0.4160	a
125 Benzyl chloride	91	10.524	10.523	0.001	96	5135	0.5000	0.3981	
111 2,3-Dihydroindene	117	10.581	10.569	0.012	92	9738	NC	NC	
126 p-Diethylbenzene	119	10.638	10.626	0.012	91	6006	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	94	3924	0.5000	0.3766	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	93	4489	0.5000	0.4143	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	95	7733	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	28	844	0.5000	0.6071	
132 1,3,5-Trichlorobenzene	180	11.449	11.438	0.011	93	2955	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.918	11.906	0.012	90	2777	0.5000	0.4346	
133 Hexachlorobutadiene	225	11.987	11.986	0.000	75	838	0.5000	0.3262	
134 Naphthalene	128	12.101	12.089	0.012	98	7936	0.5000	0.4690	
135 1,2,3-Trichlorobenzene	180	12.272	12.261	0.011	90	2585	0.5000	0.4321	
S 136 1,2-Dichloroethene, Total	100				0		1.00	0.9242	
S 137 Xylenes, Total	100				0		1.00	1.04	
S 138 1,3-Dichloropropene, Total	1				0		1.00	0.8550	
S 139 Total BTEX	1				0		2.50	2.57	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00181	Amount Added: 5.00	Units: uL	
ACROLEIN W_00164	Amount Added: 2.00	Units: uL	
524FREONS_00012	Amount Added: 5.00	Units: uL	
GASES Li_00565	Amount Added: 5.00	Units: uL	
14DIOXINTER_00164	Amount Added: 15.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#: 53

Worklist Smp#: 4

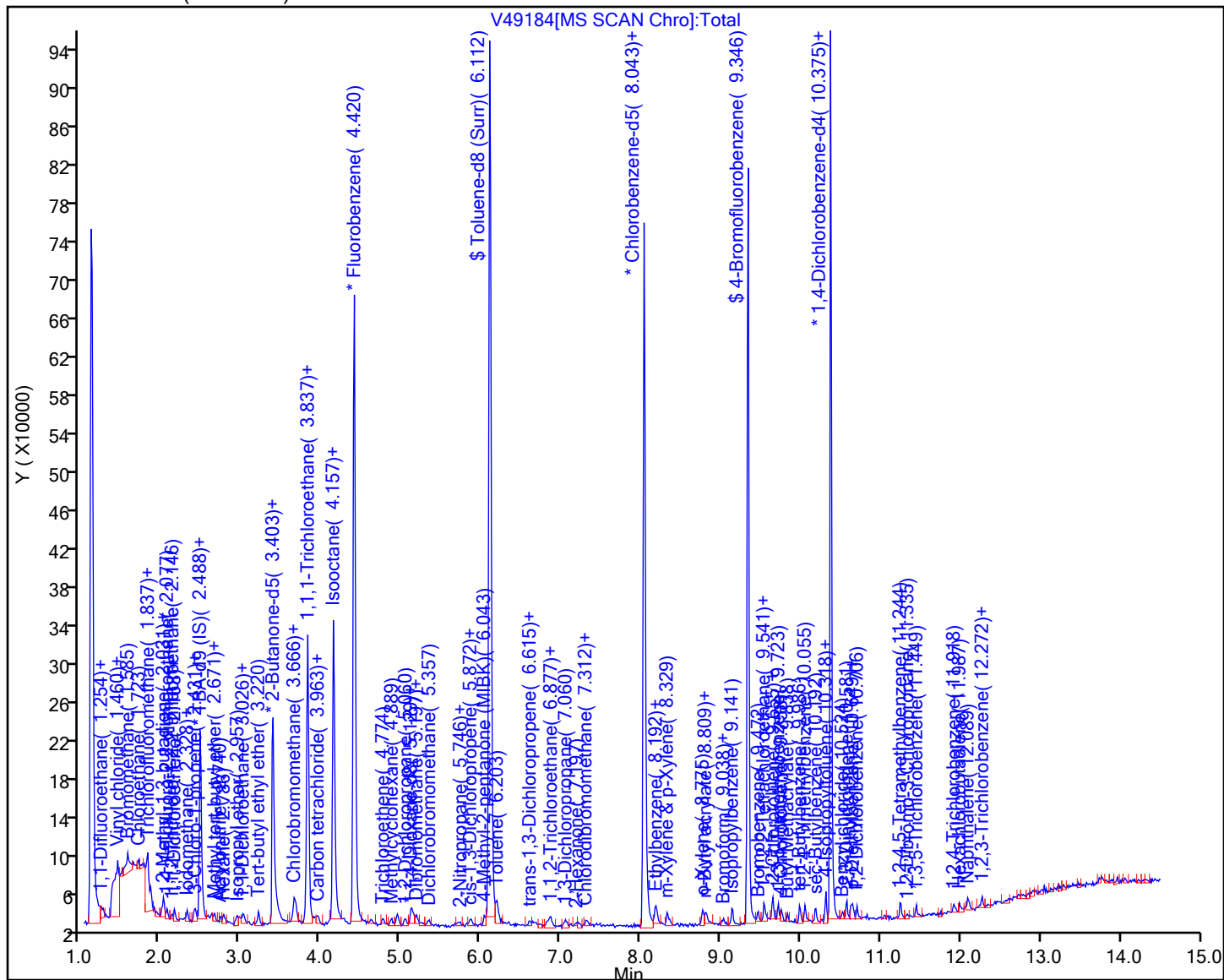
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

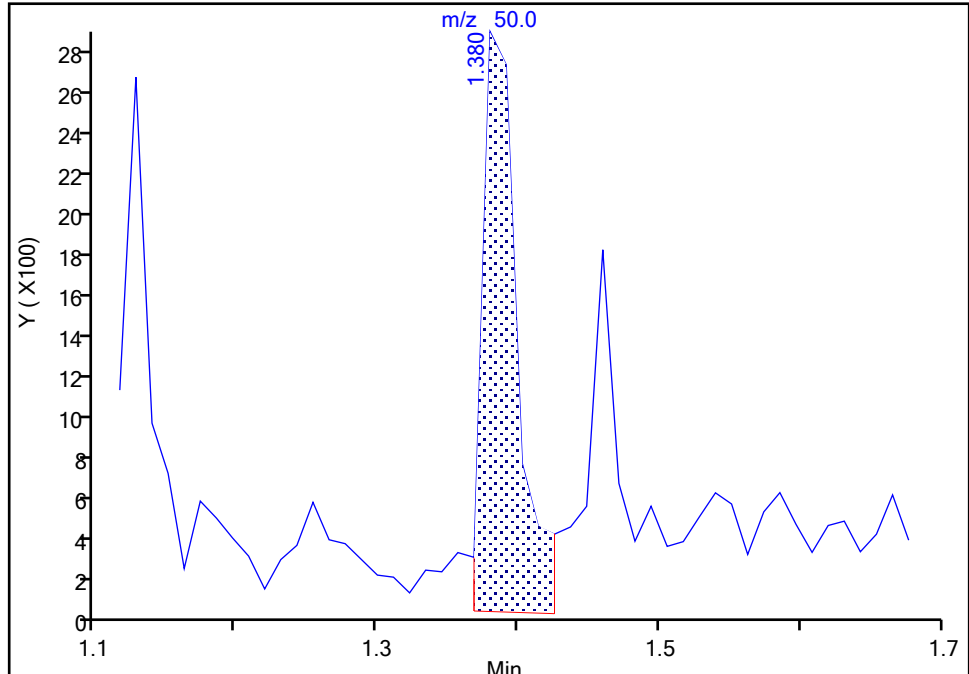
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

6 Chloromethane, CAS: 74-87-3

Signal: 1

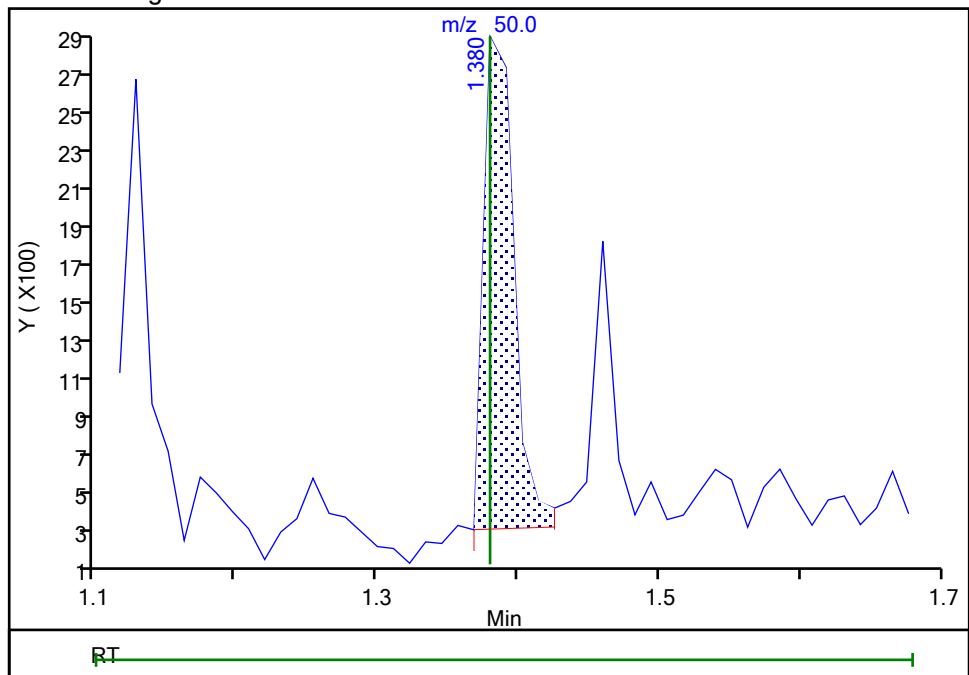
RT: 1.38
Area: 4960
Amount: 0.587533
Amount Units: ug/l

Processing Integration Results



RT: 1.38
Area: 3832
Amount: 0.470176
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:24:53 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

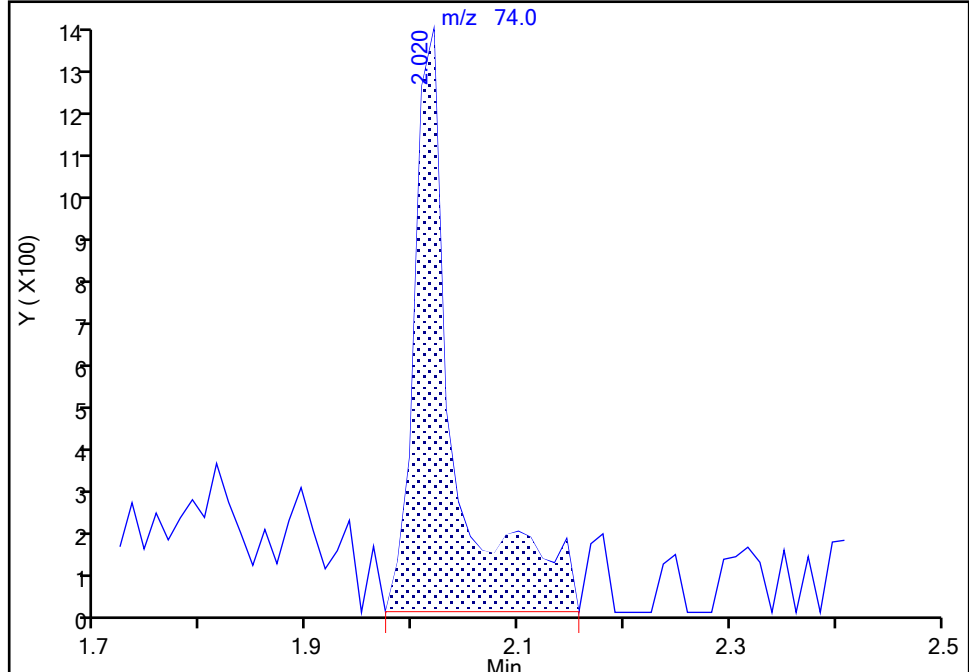
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

14 Ethyl ether, CAS: 60-29-7

Signal: 1

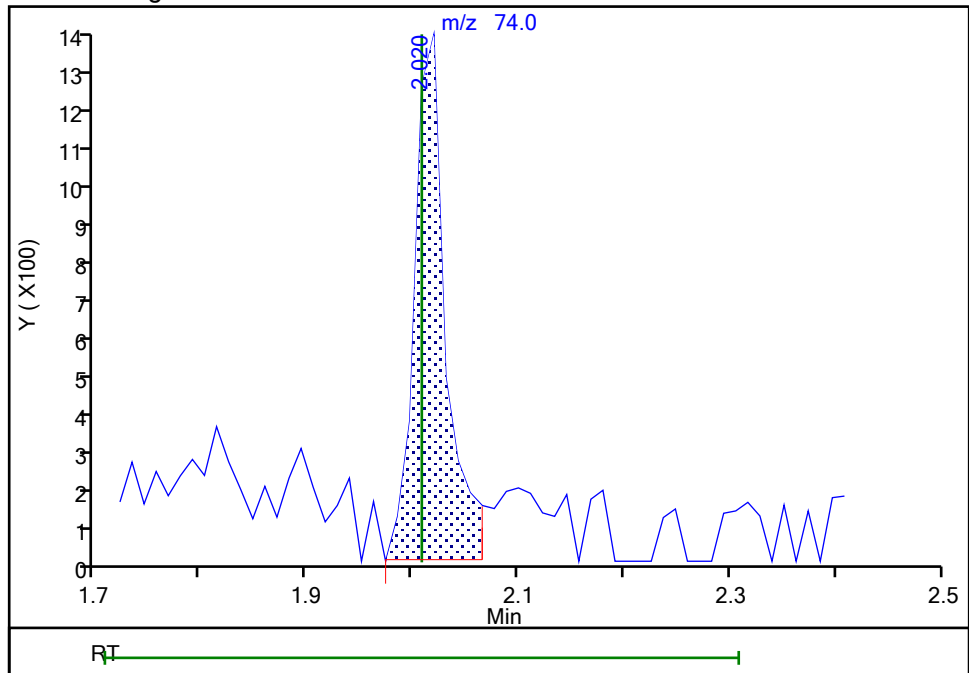
RT: 2.02
Area: 3552
Amount: 0.957005
Amount Units: ug/l

Processing Integration Results



RT: 2.02
Area: 2798
Amount: 0.740834
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:25:32 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

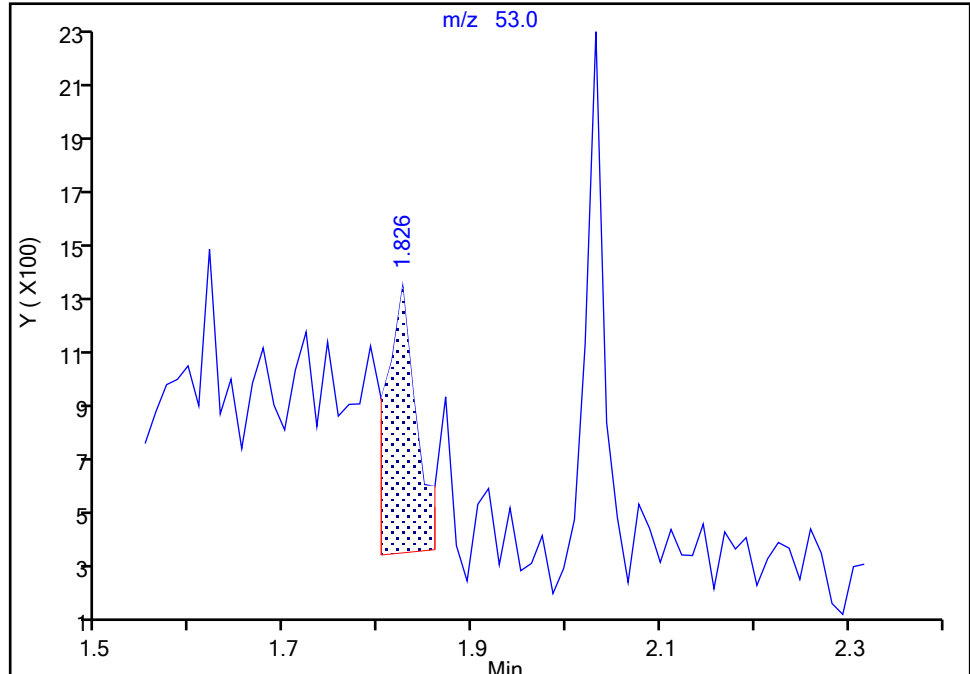
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

15 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

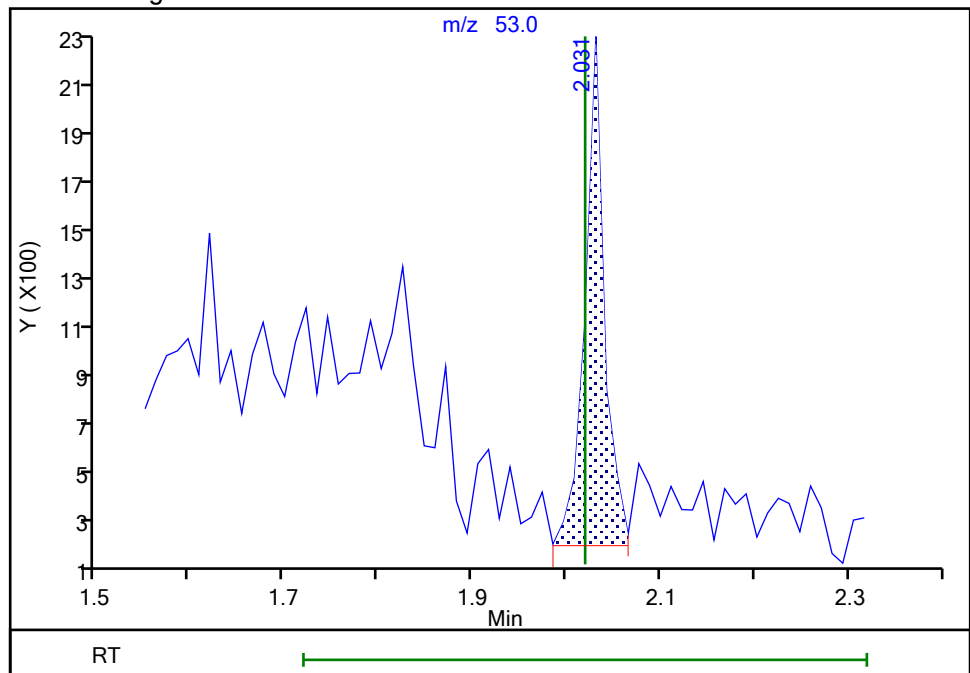
RT: 1.83
Area: 2291
Amount: 0.444047
Amount Units: ug/l

Processing Integration Results



RT: 2.03
Area: 2954
Amount: 0.478793
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:02:10 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

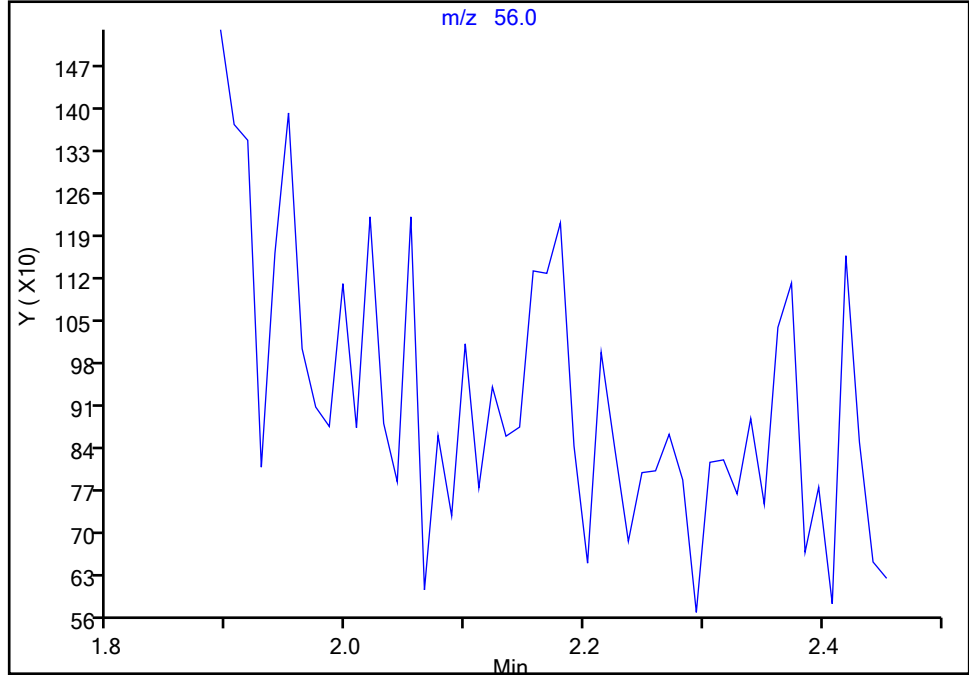
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

52 Acrolein, CAS: 107-02-8

Signal: 1

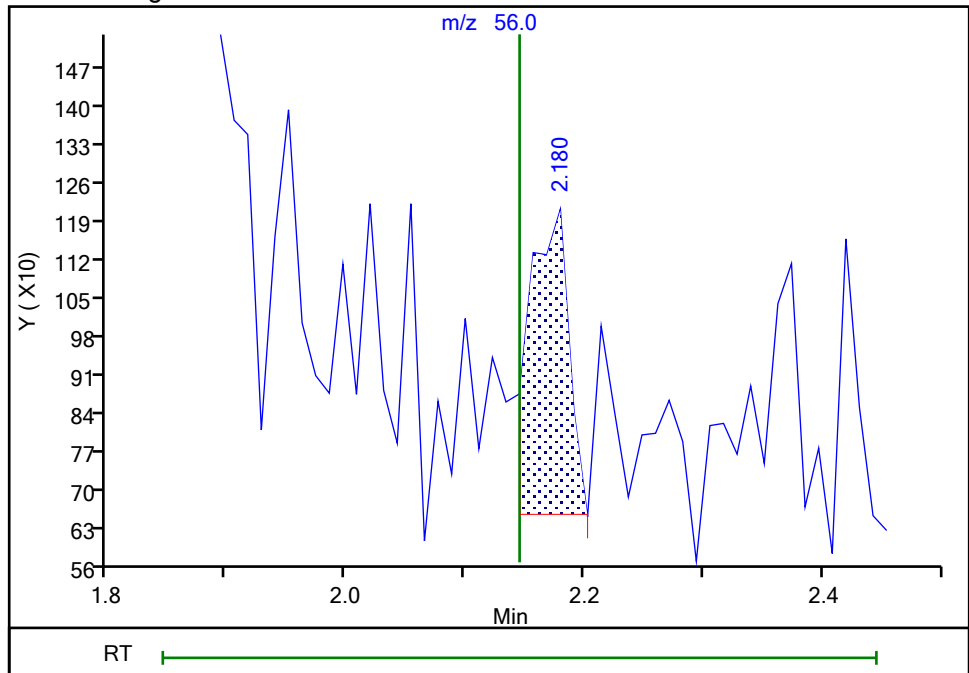
Not Detected
Expected RT: 2.15

Processing Integration Results



RT: 2.18
Area: 1319
Amount: 2.733116
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:02:40 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Shouldering

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

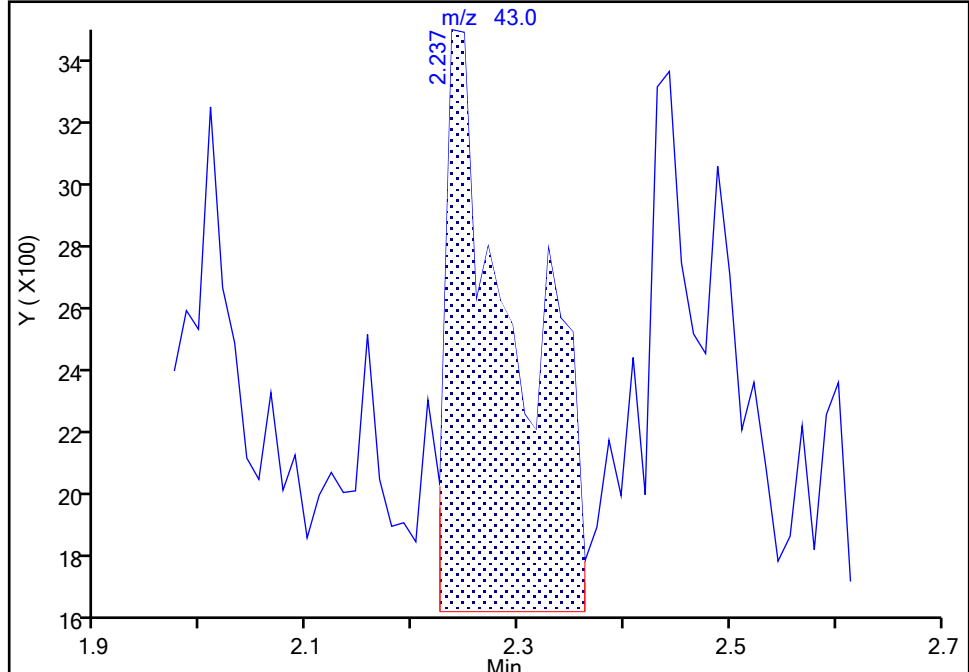
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

23 Acetone, CAS: 67-64-1

Signal: 1

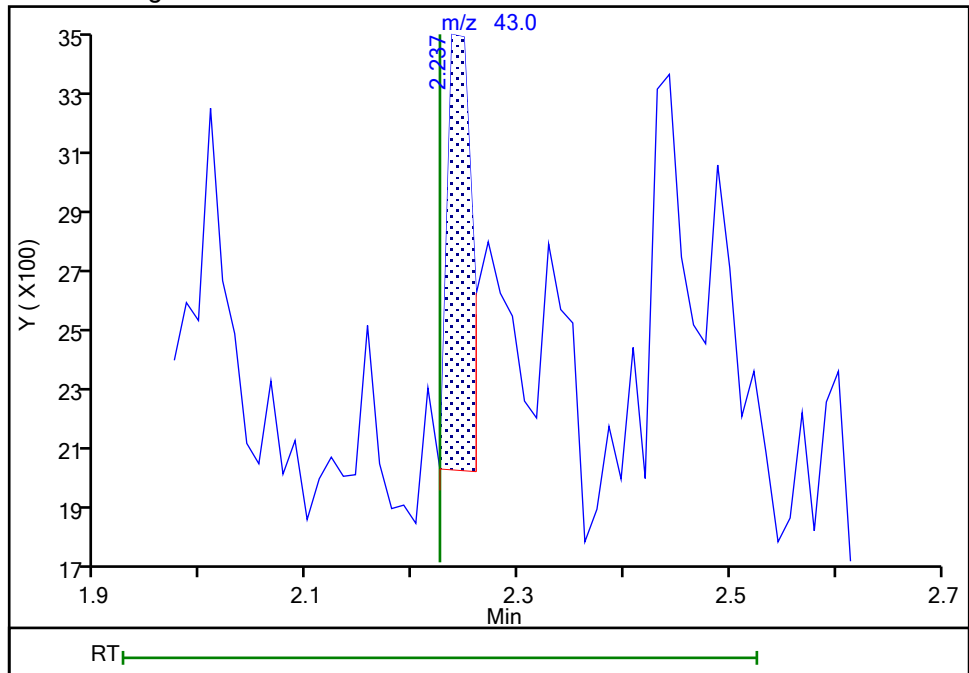
RT: 2.24
Area: 8204
Amount: 7.735053
Amount Units: ug/l

Processing Integration Results



RT: 2.24
Area: 2291
Amount: 1.309069
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:03:40 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Shouldering

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

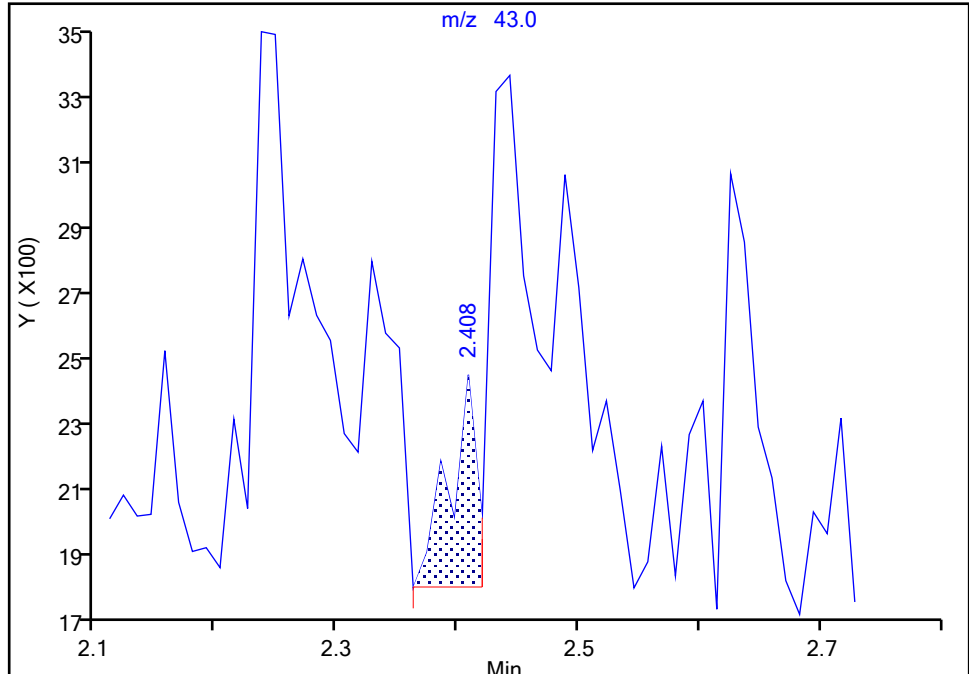
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector MS Quad

30 Methyl acetate, CAS: 79-20-9

Signal: 1

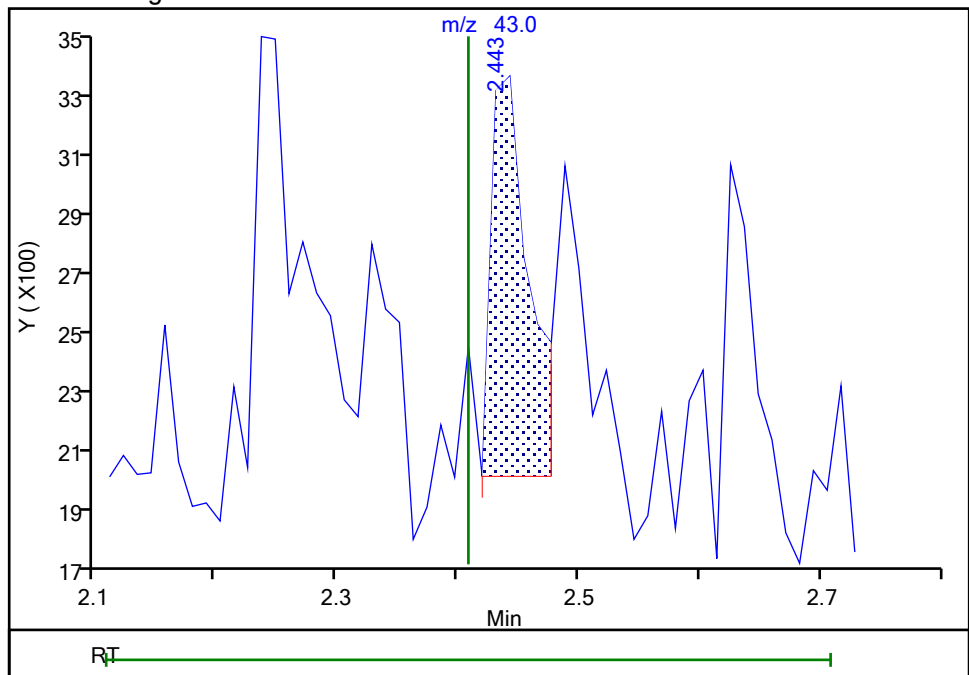
RT: 2.41
Area: 1025
Amount: 0.267758
Amount Units: ug/l

Processing Integration Results



RT: 2.44
Area: 2851
Amount: 0.646821
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:03:54 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Shouldering

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

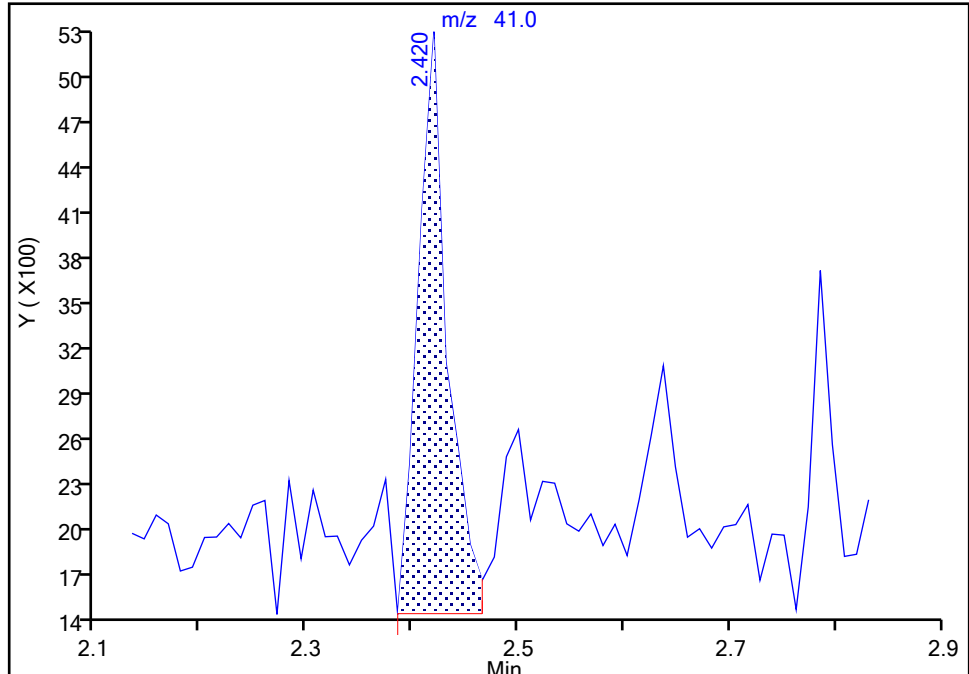
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

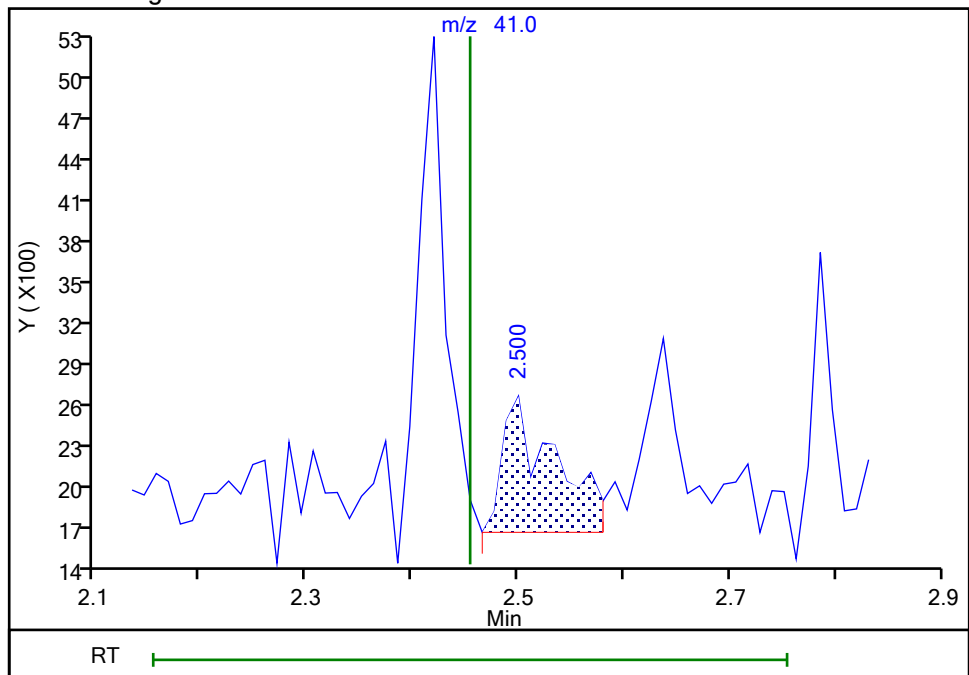
RT: 2.42
Area: 7402
Amount: 10.145227
Amount Units: ug/l

Processing Integration Results



RT: 2.50
Area: 3405
Amount: 5.712356
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:04:24 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

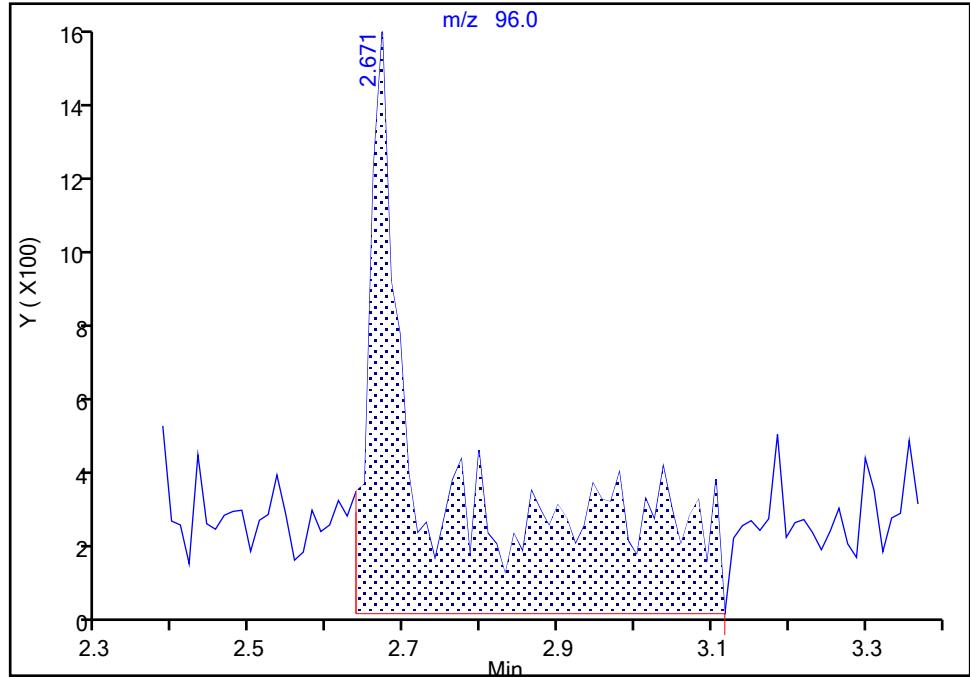
MS Quad

33 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

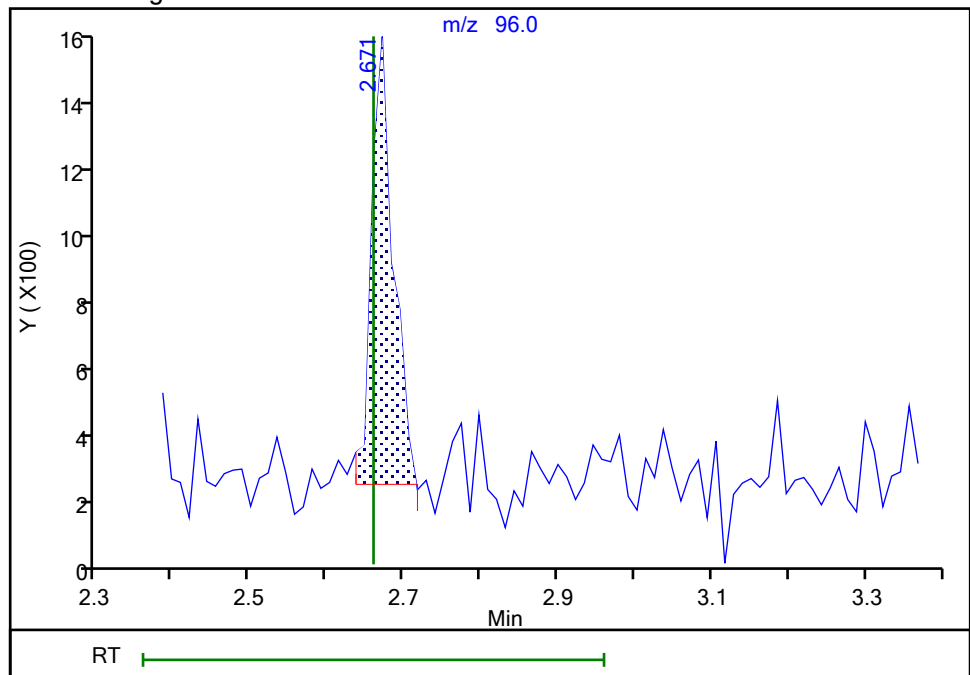
RT: 2.67
Area: 9651
Amount: 1.186183
Amount Units: ug/l

Processing Integration Results



RT: 2.67
Area: 2494
Amount: 0.431452
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:04:41 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Shouldering

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

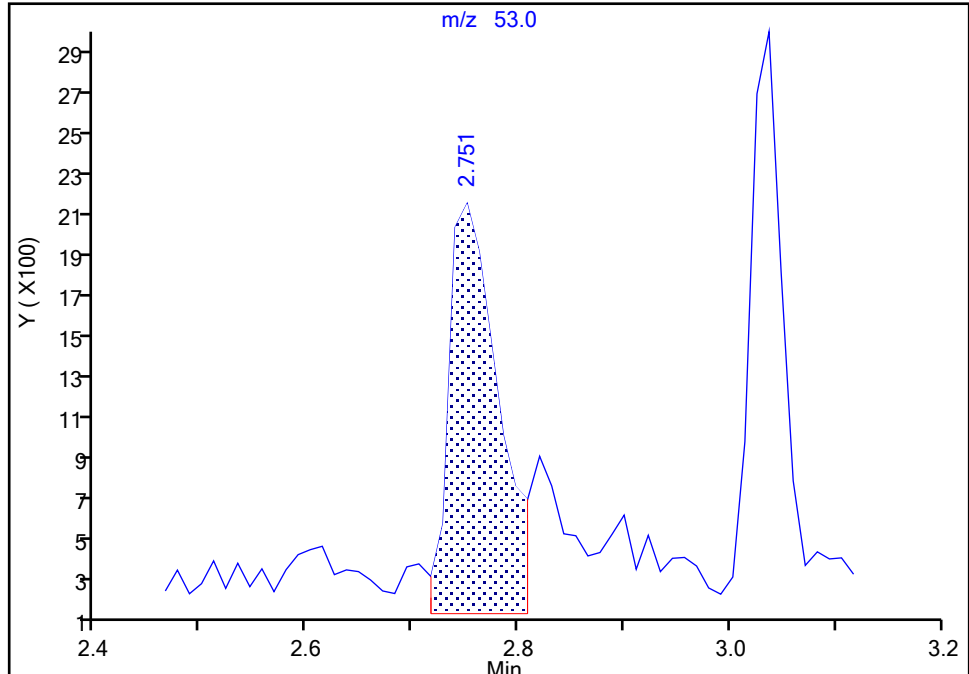
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

35 Acrylonitrile, CAS: 107-13-1

Signal: 1

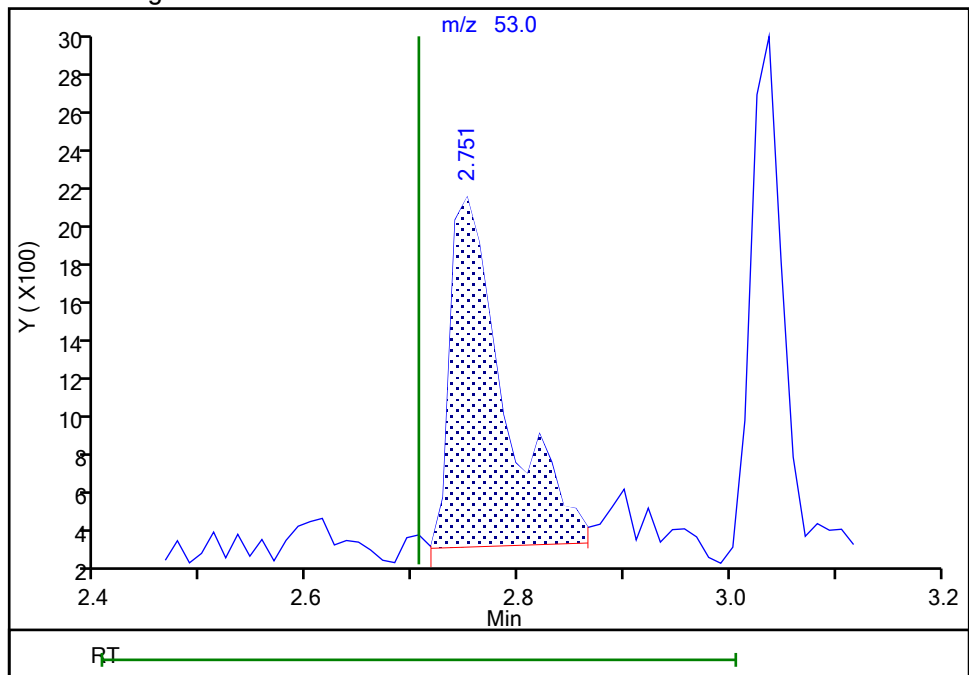
RT: 2.75
Area: 6323
Amount: 3.112140
Amount Units: ug/l

Processing Integration Results



RT: 2.75
Area: 6188
Amount: 3.191049
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 13:18:50 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

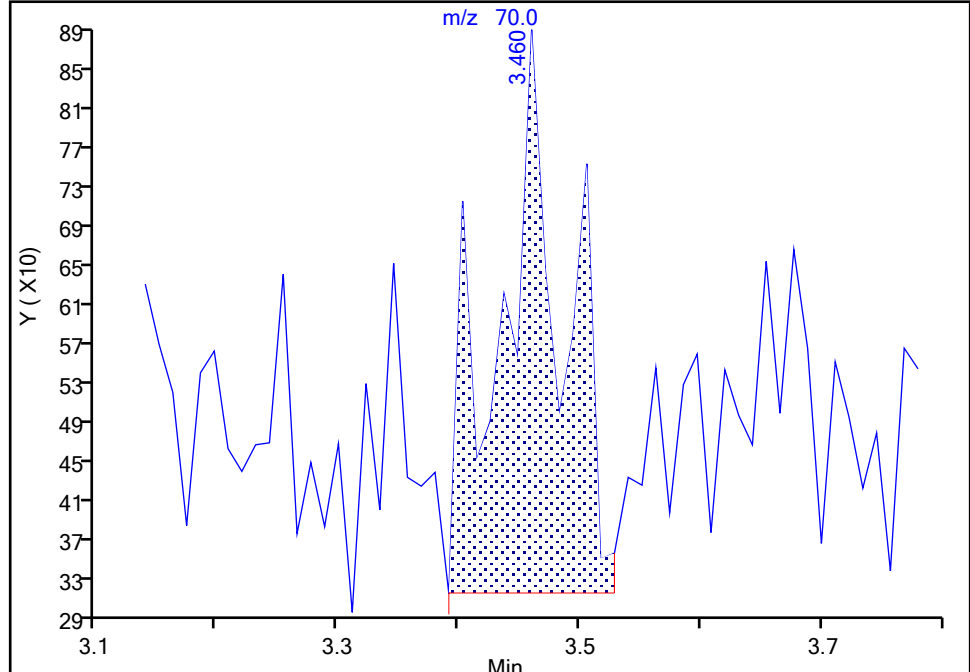
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

47 Ethyl acetate, CAS: 141-78-6

Signal: 1

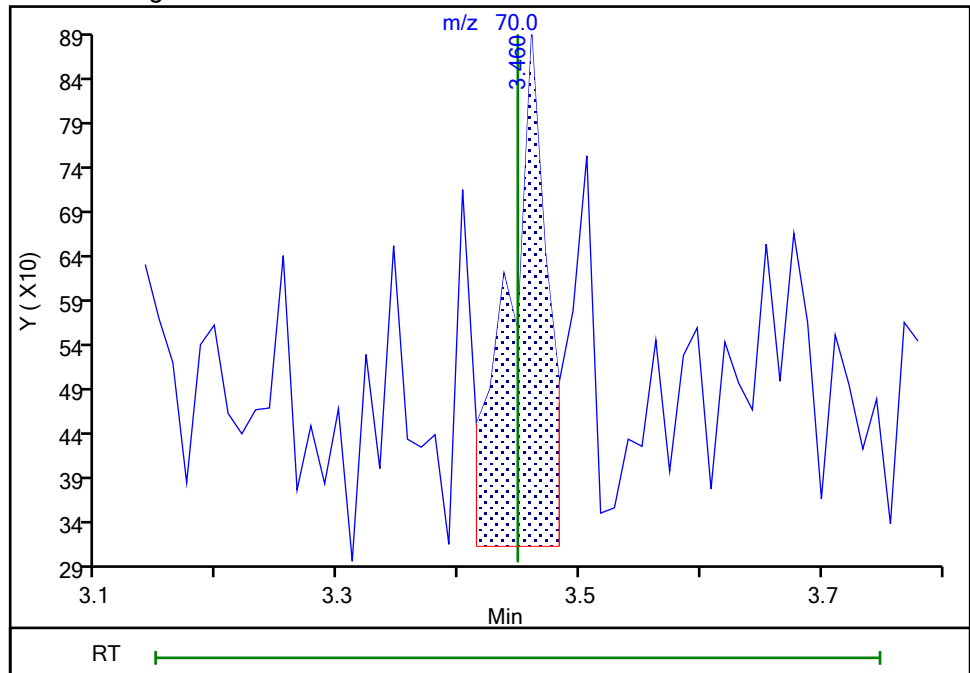
RT: 3.46
Area: 2130
Amount: 1.838718
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 1340
Amount: 3.376332
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:26:37 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

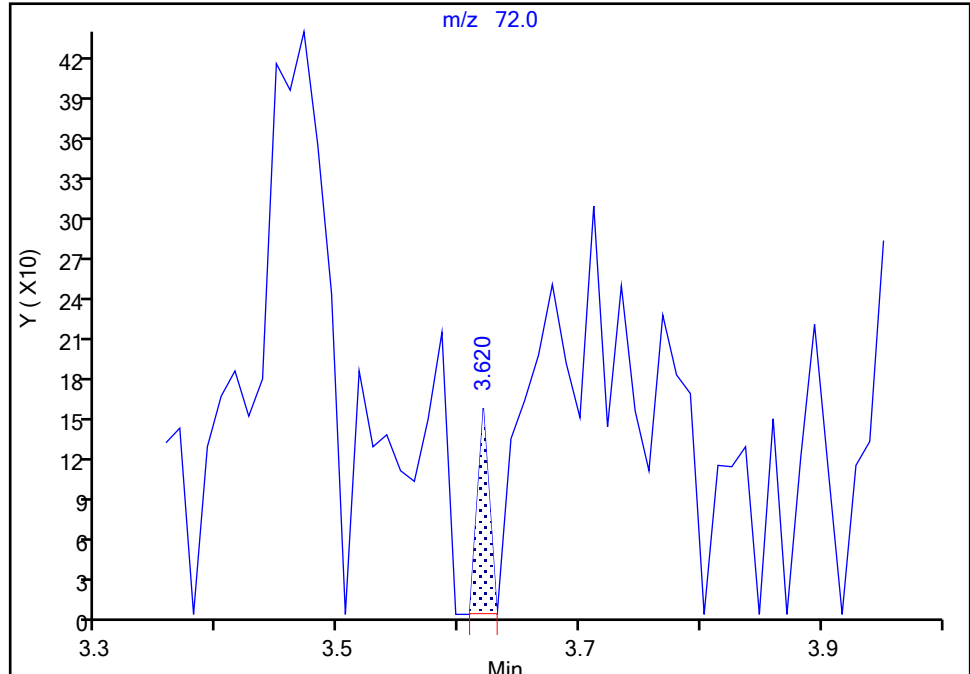
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

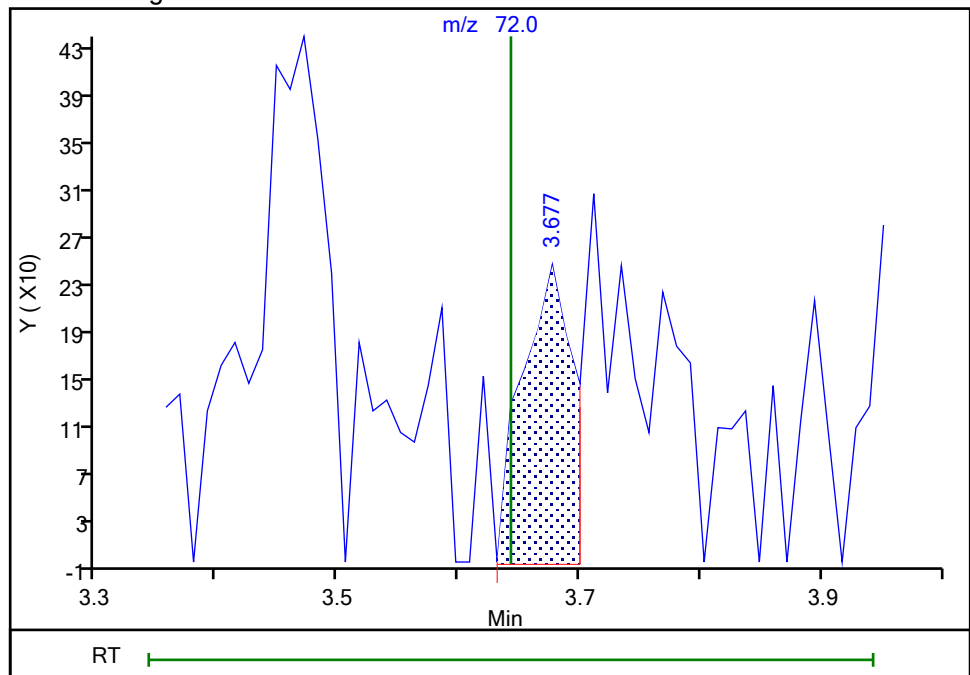
RT: 3.62
Area: 106
Amount: 0.154119
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 741
Amount: 0.960838
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:27:03 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

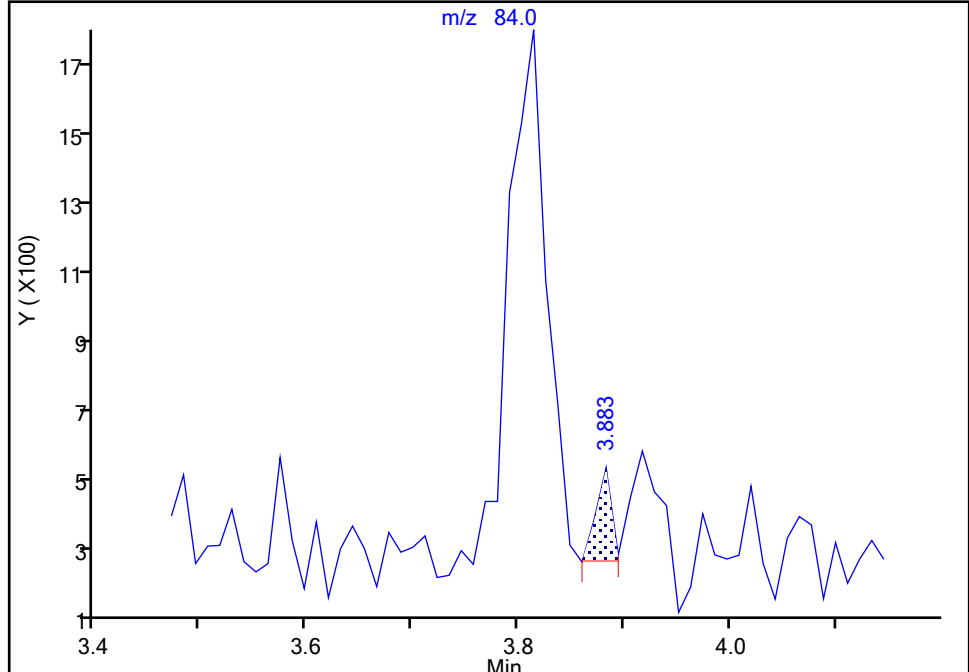
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

53 Cyclohexane, CAS: 110-82-7

Signal: 1

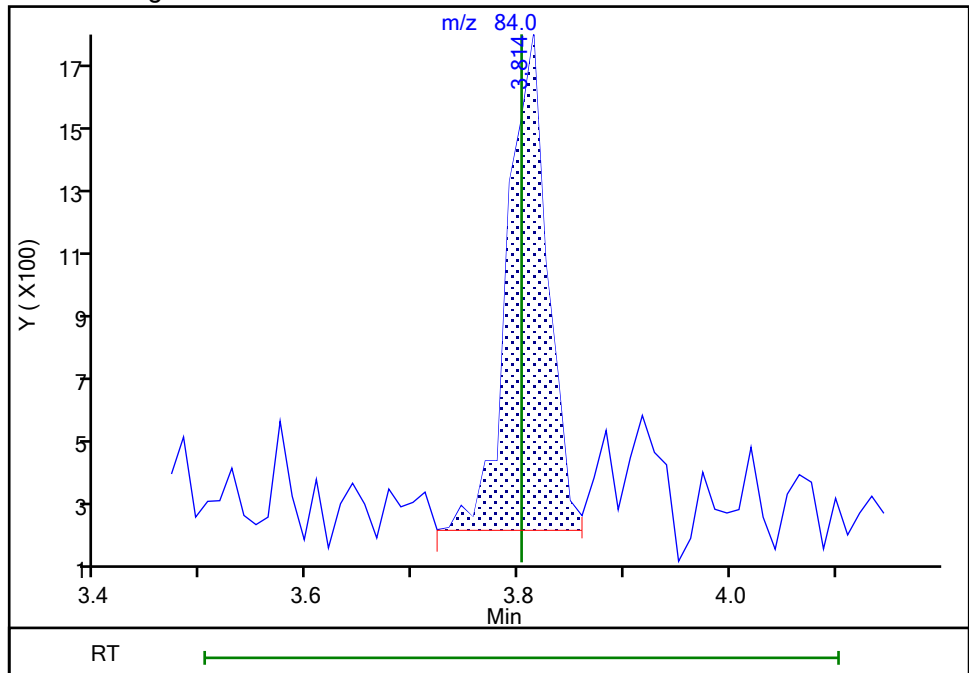
RT: 3.88
Area: 259
Amount: 0.034899
Amount Units: ug/l

Processing Integration Results



RT: 3.81
Area: 3803
Amount: 0.439941
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:05:44 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Shouldering

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

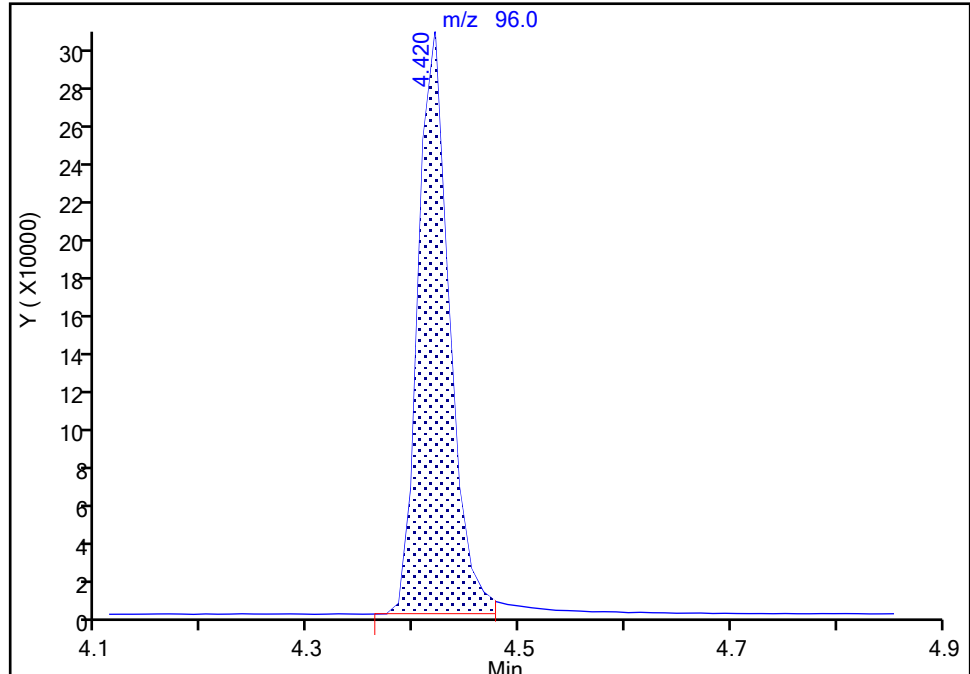
Detector: MS Quad

* 67 Fluorobenzene, CAS: 462-06-6

Signal: 1

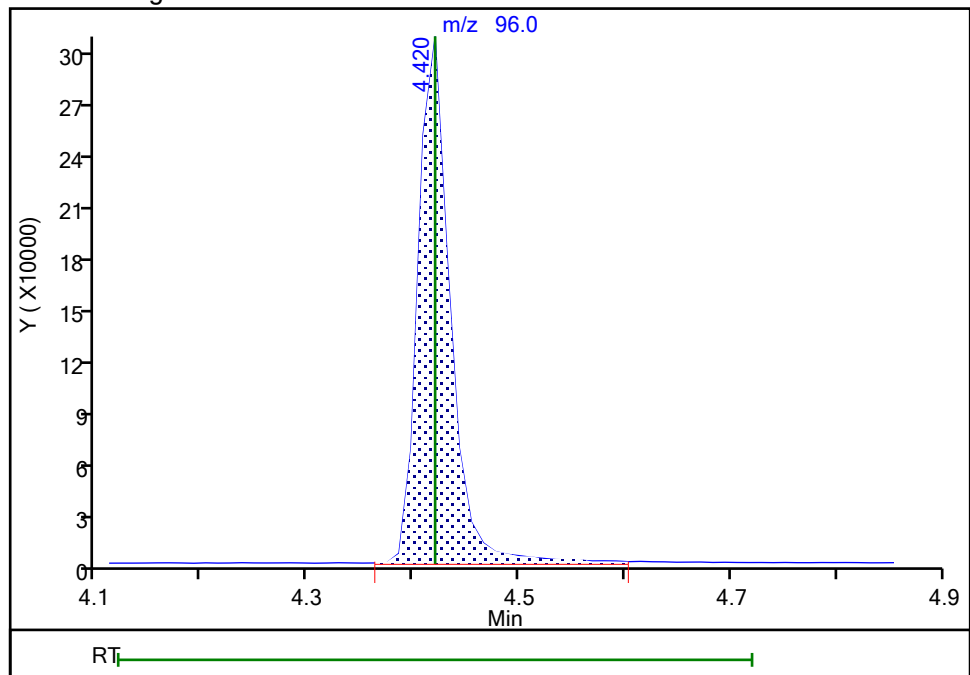
RT: 4.42
Area: 622118
Amount: 50.000000
Amount Units: ug/l

Processing Integration Results



RT: 4.42
Area: 638918
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:16:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

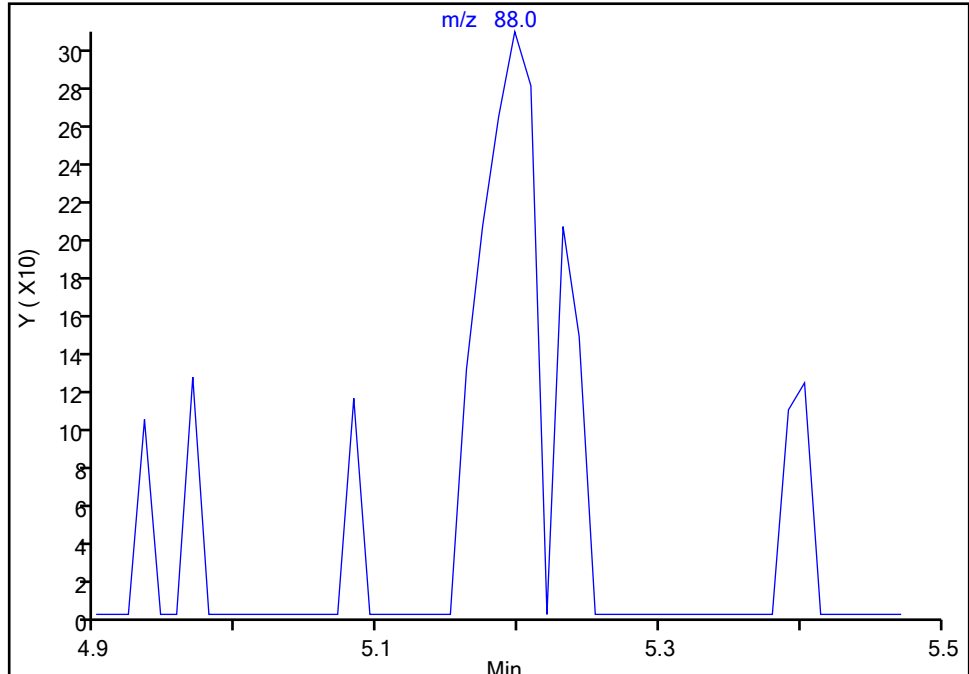
Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

78 1,4-Dioxane, CAS: 123-91-1
Signal: 1

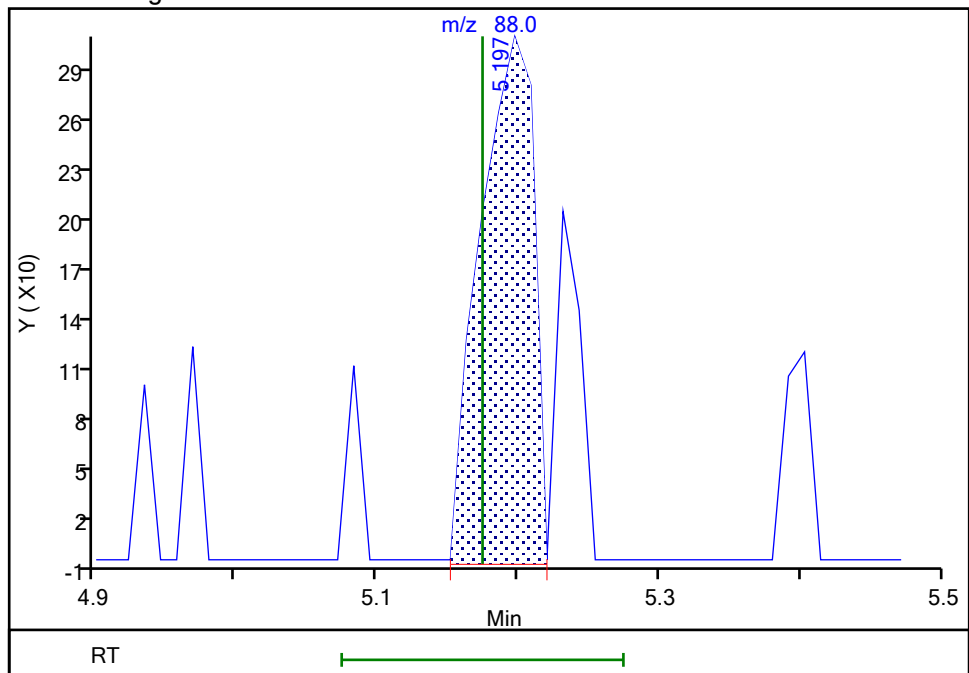
Not Detected
Expected RT: 5.17

Processing Integration Results



RT: 5.20
Area: 806
Amount: 12.786042
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:07:04 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

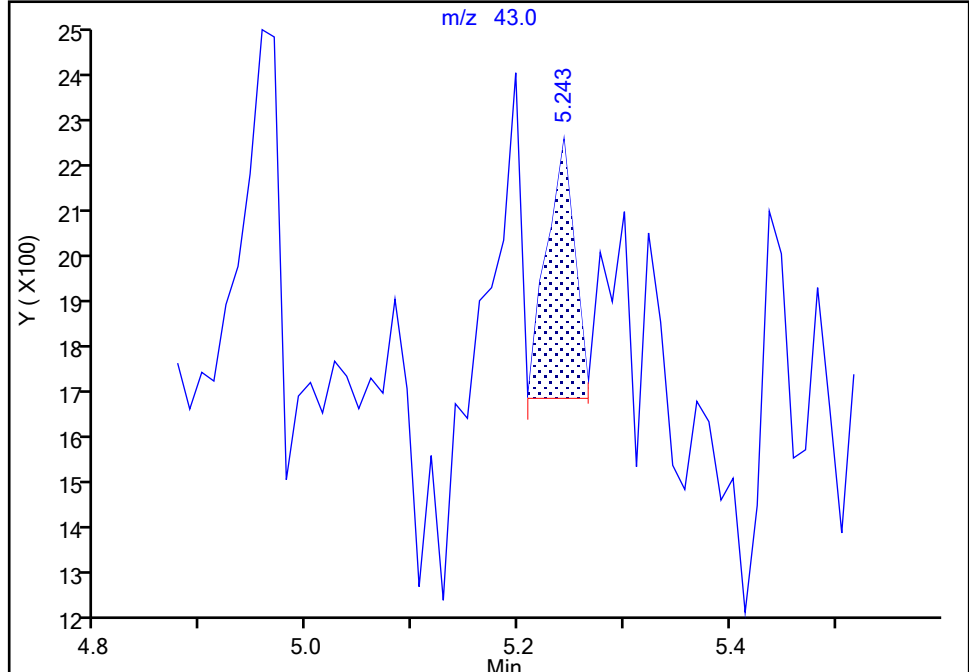
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

77 n-Propyl acetate, CAS: 109-60-4

Signal: 1

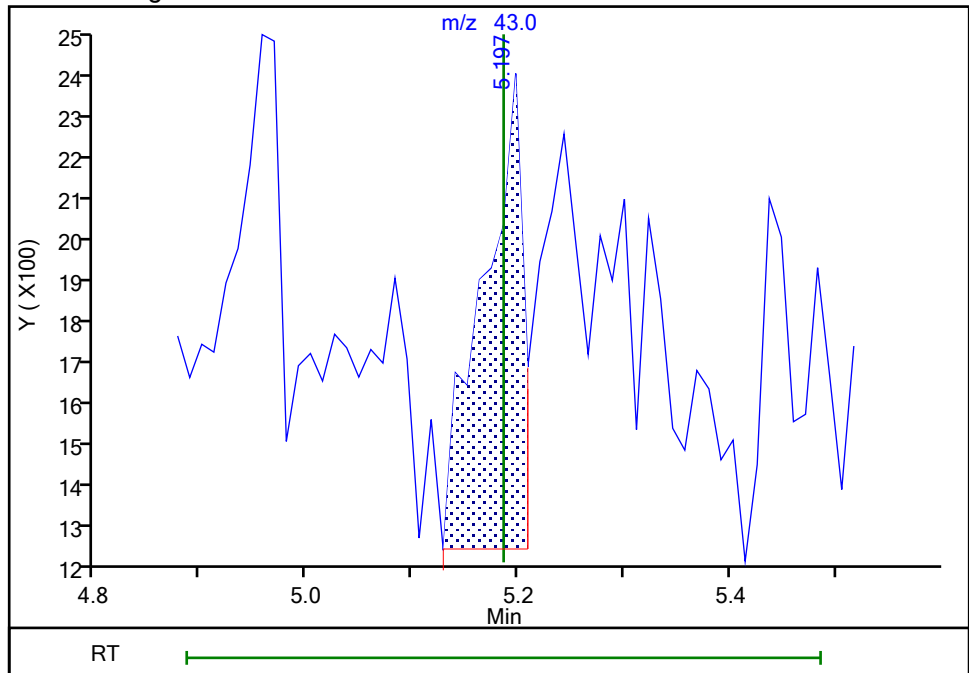
RT: 5.24
Area: 985
Amount: 0.121171
Amount Units: ug/l

Processing Integration Results



RT: 5.20
Area: 2949
Amount: 0.361018
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:28:22 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

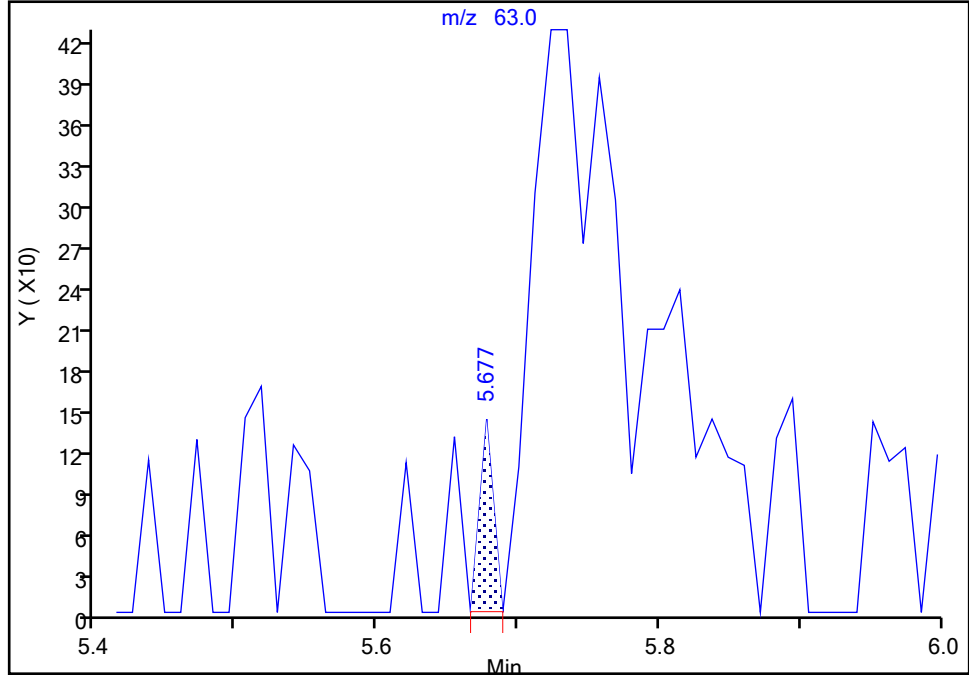
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

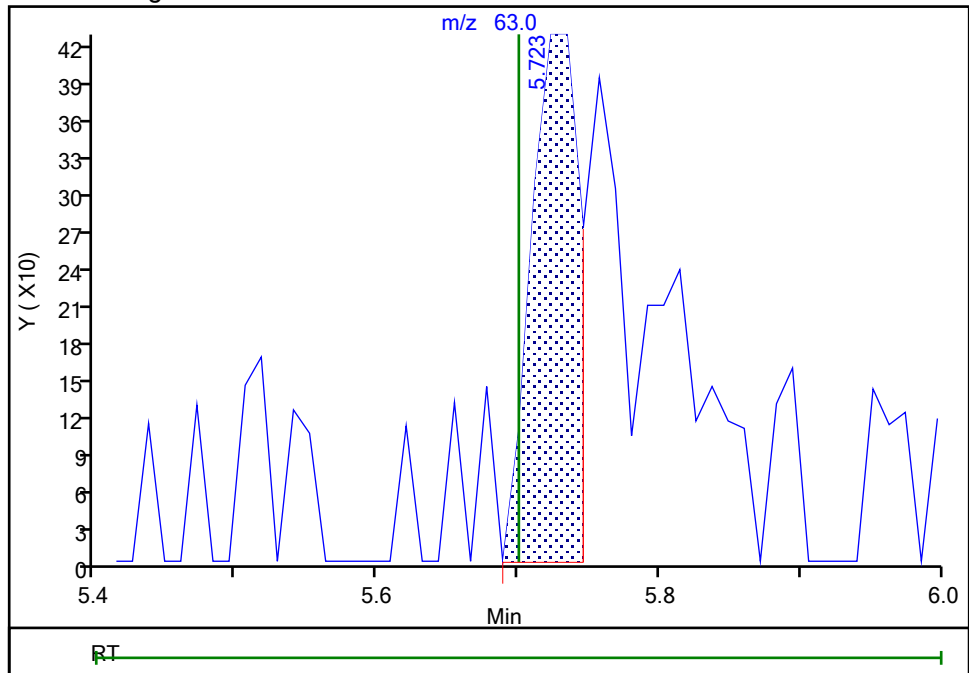
RT: 5.68
Area: 97
Amount: 0.030660
Amount Units: ug/l

Processing Integration Results



RT: 5.72
Area: 1058
Amount: 0.316505
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:07:11 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

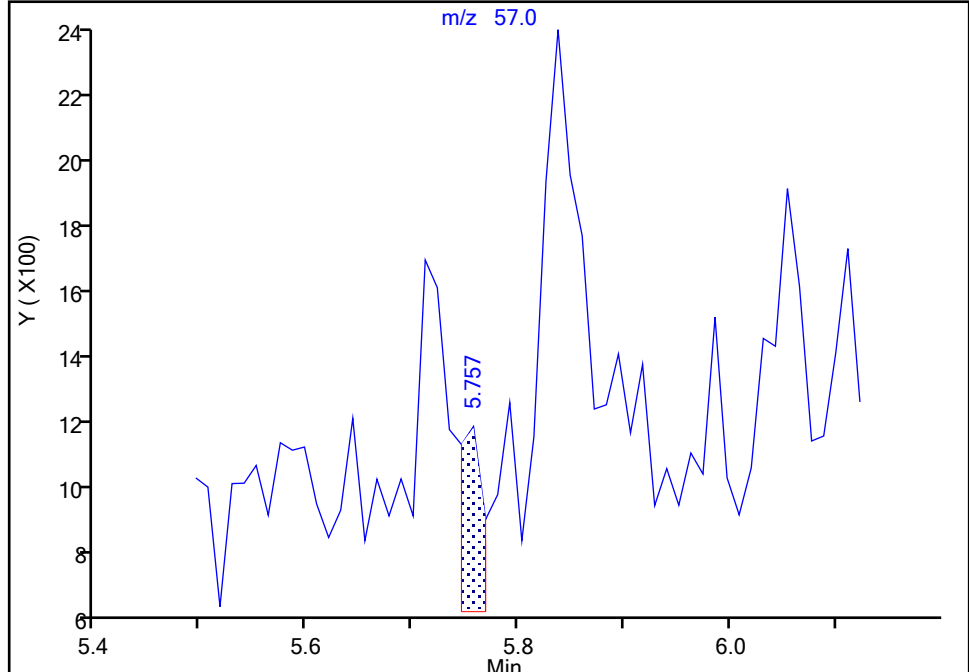
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

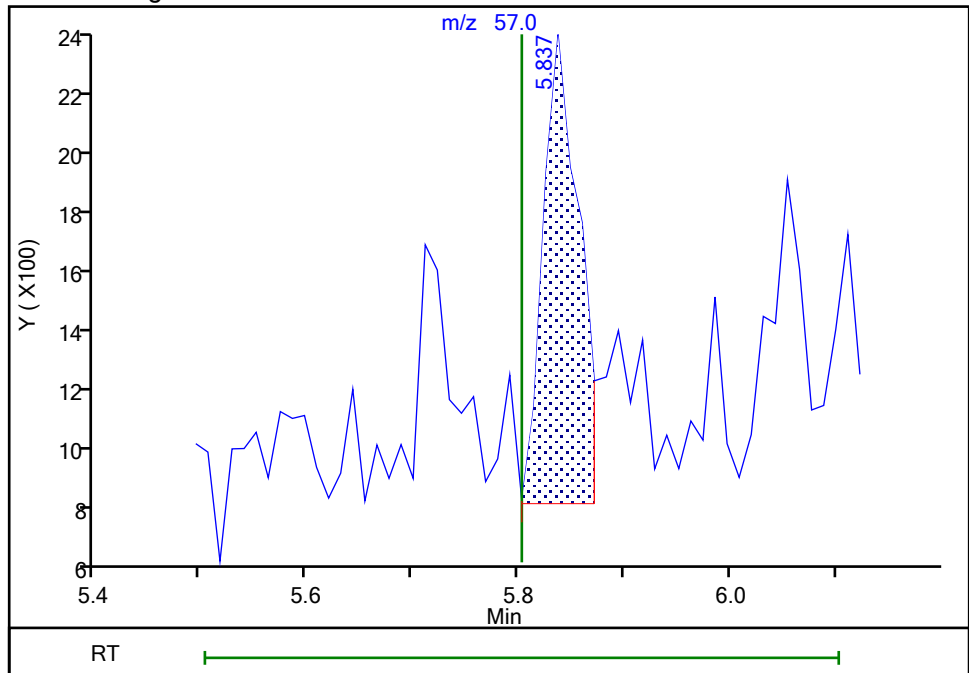
RT: 5.76
Area: 862
Amount: 1.901482
Amount Units: ug/l

Processing Integration Results



RT: 5.84
Area: 3482
Amount: 6.691685
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:28:38 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

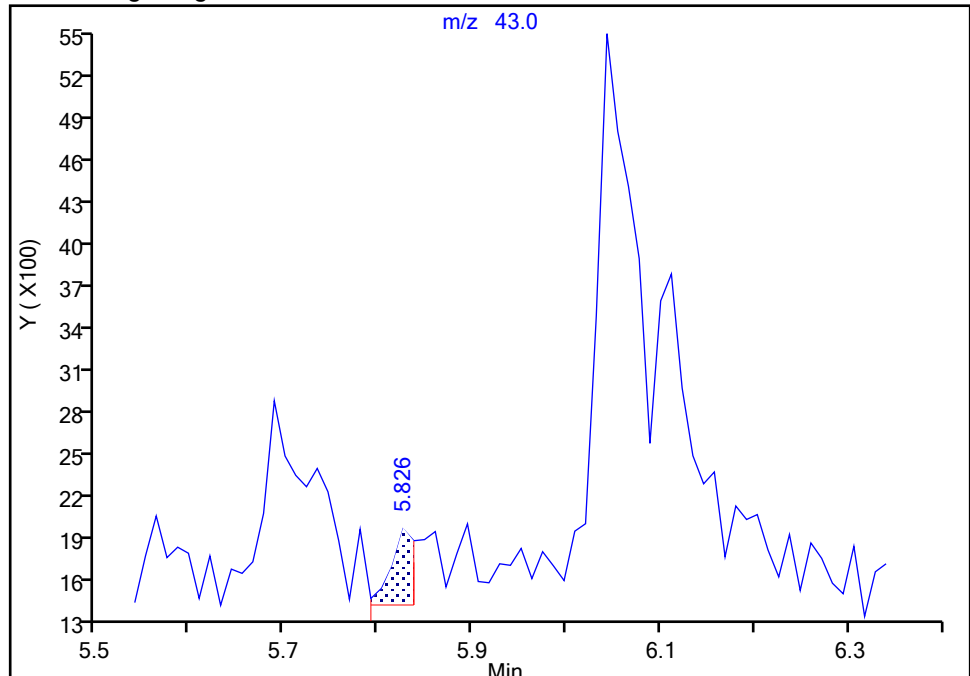
MS Quad

84 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

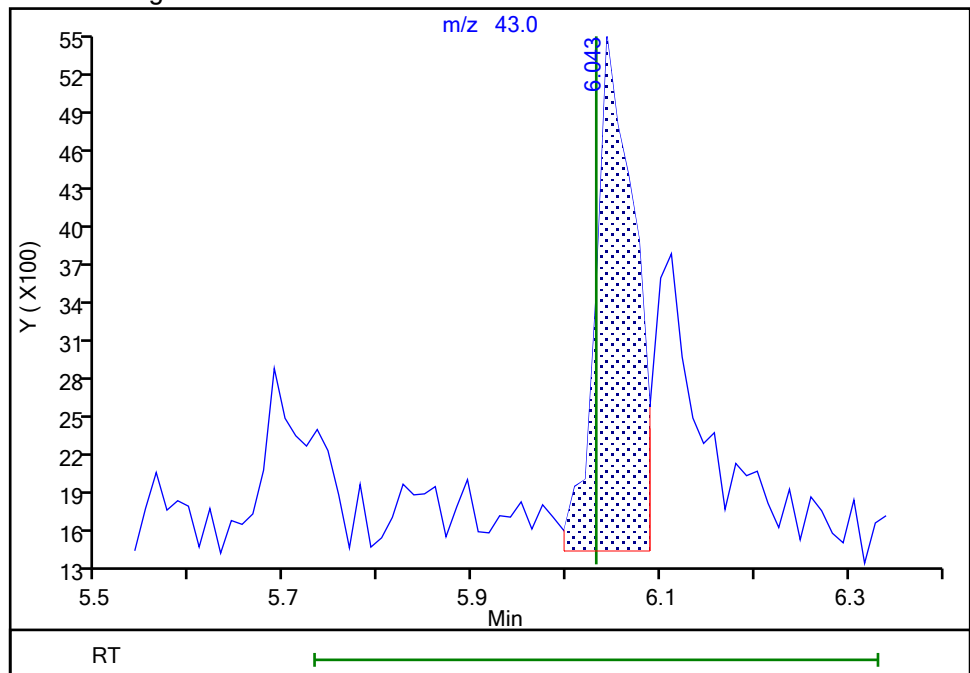
RT: 5.83
Area: 959
Amount: 0.184888
Amount Units: ug/l

Processing Integration Results



RT: 6.04
Area: 11828
Amount: 2.094765
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:07:18 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

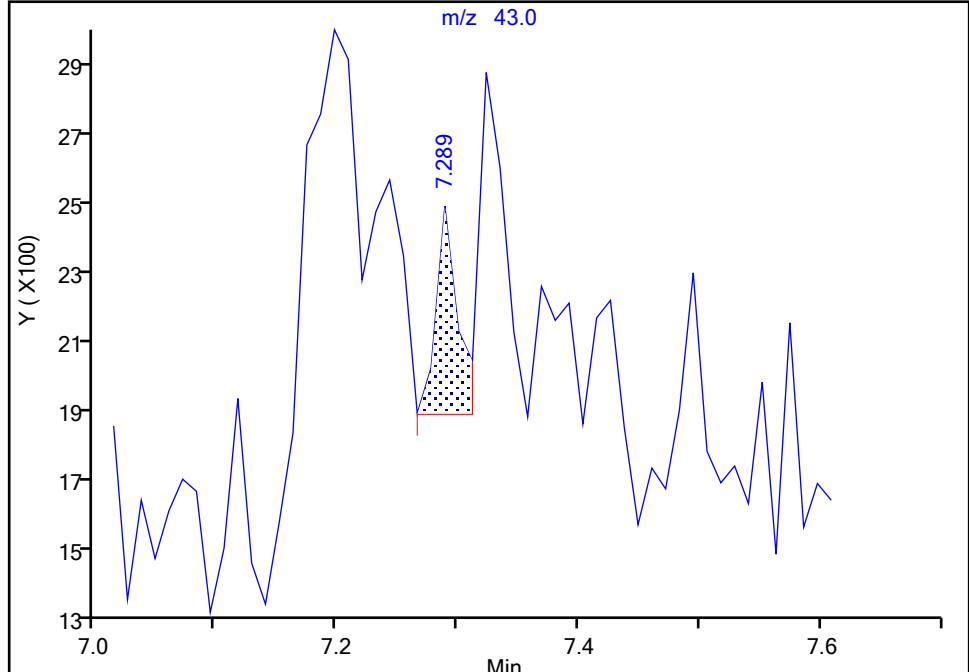
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector MS Quad

92 n-Butyl acetate, CAS: 123-86-4

Signal: 1

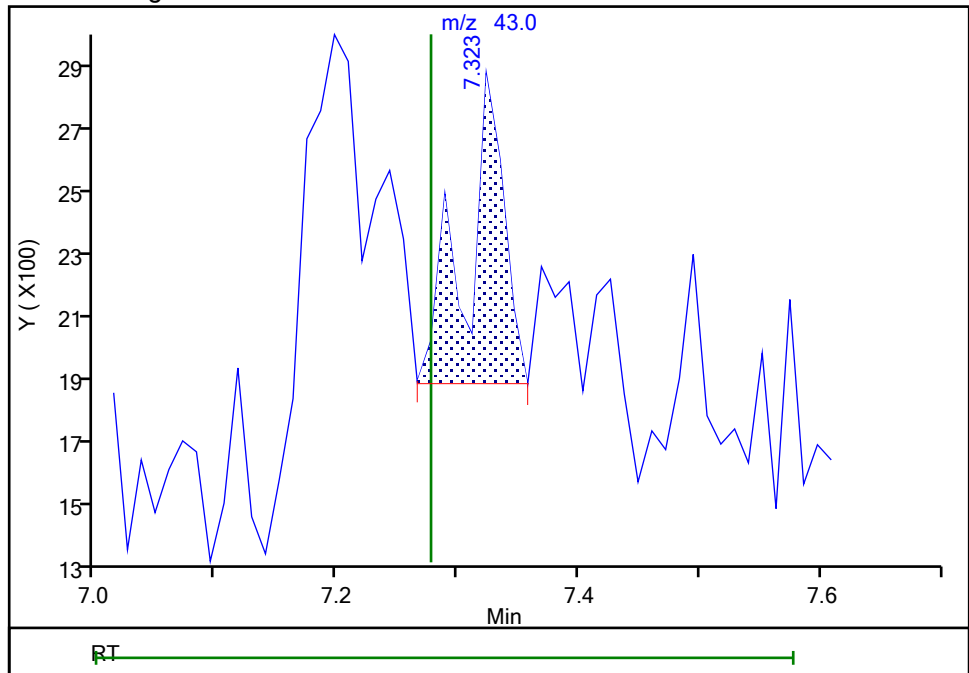
RT: 7.29
Area: 745
Amount: 0.078014
Amount Units: ug/l

Processing Integration Results



RT: 7.32
Area: 2084
Amount: 0.226616
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:08:08 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D
Injection Date: 05-Jan-2024 00:15:30 Instrument ID: CVOAMS7
Lims ID: STD05
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

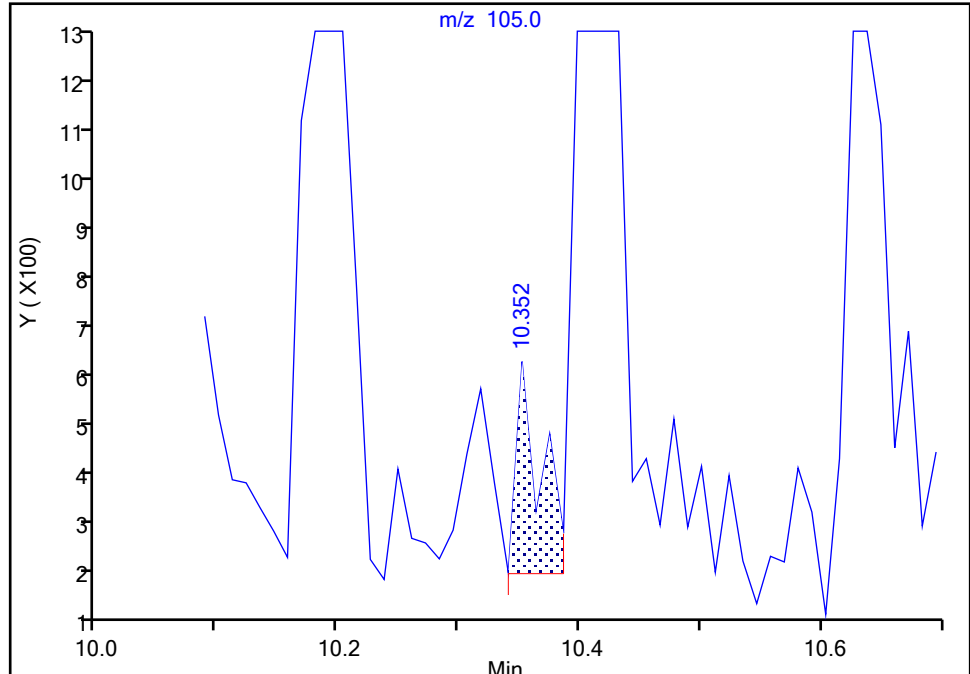
ALS Bottle#: 53 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

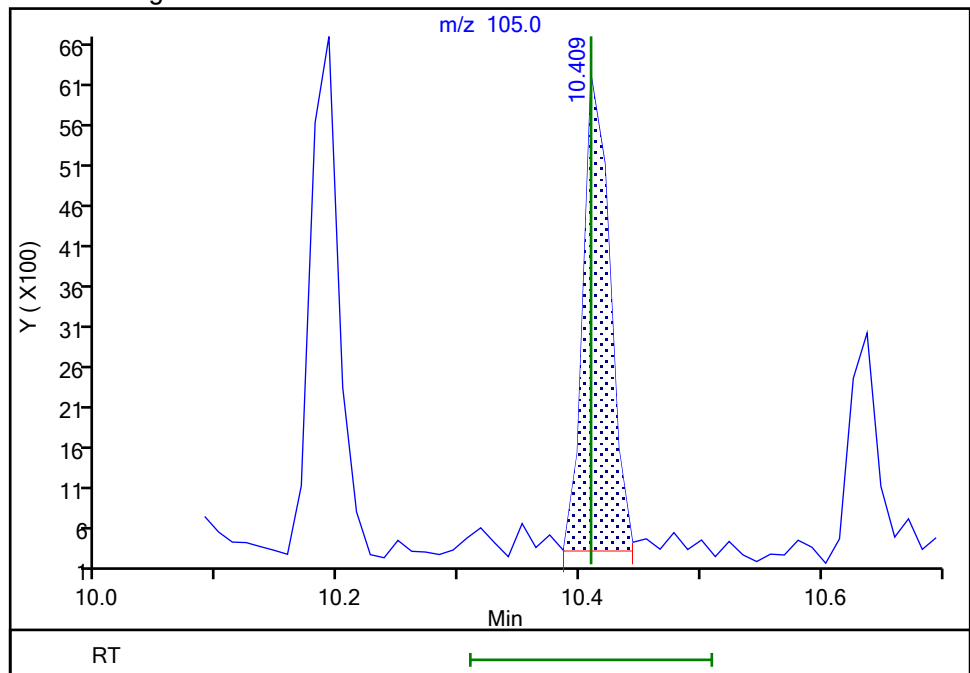
RT: 10.35
Area: 598
Amount: 0.025942
Amount Units: ug/l

Processing Integration Results



RT: 10.41
Area: 9105
Amount: 0.416046
Amount Units: ug/l

Manual Integration Results



Reviewer: K0HS, 05-Jan-2024 08:08:32 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

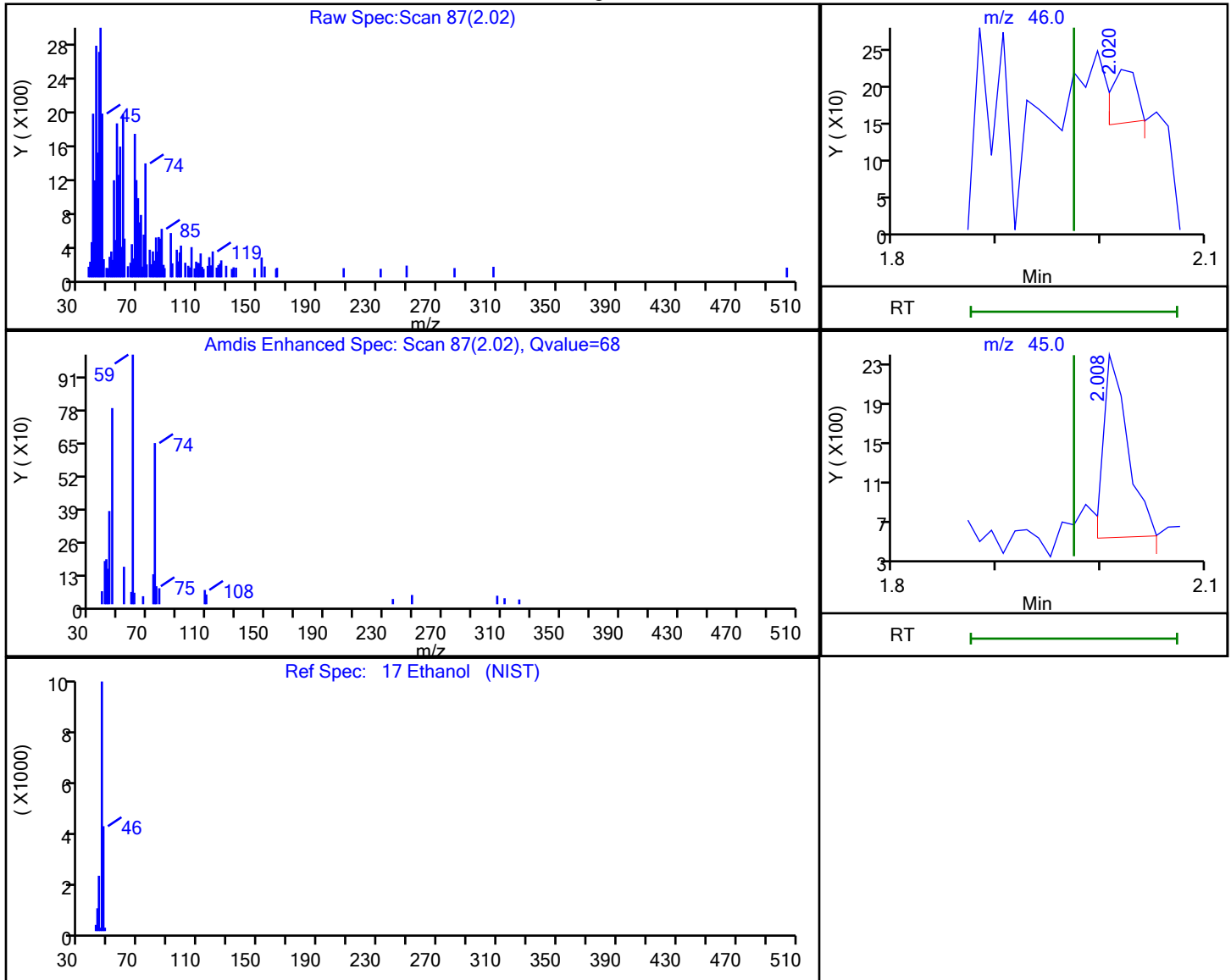
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

17 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.02	46.00	126	7.906797
2.01	45.00	2919	

Reviewer: W9CM, 05-Jan-2024 11:25:20 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

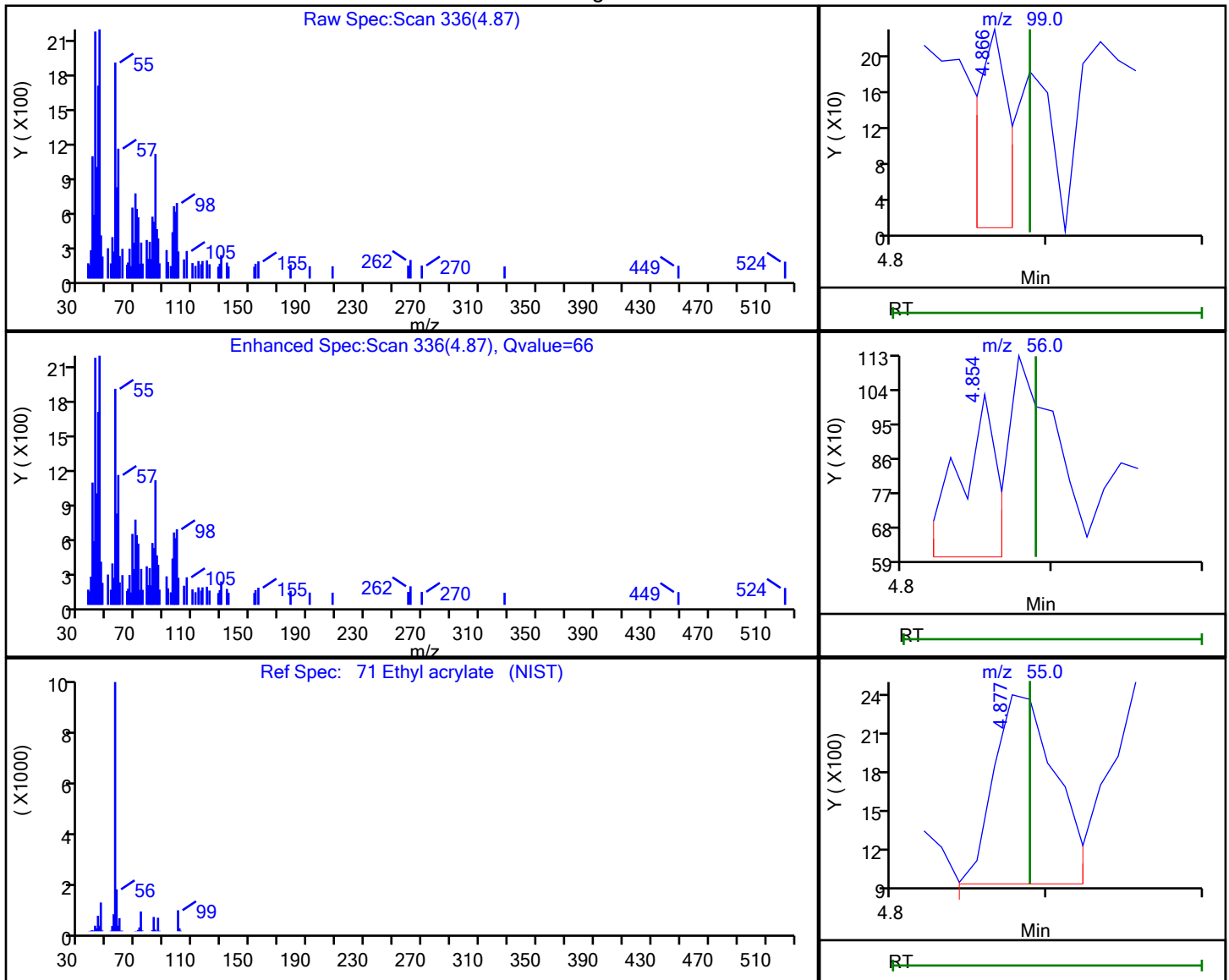
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

71 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.87	99.00	334	0.402110
4.85	56.00	763	
4.88	55.00	3935	

Reviewer: W9CM, 05-Jan-2024 11:27:44 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49184.D

Injection Date: 05-Jan-2024 00:15:30

Instrument ID: CVOAMS7

Lims ID: STD05

Client ID:

Operator ID:

ALS Bottle#:

53

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

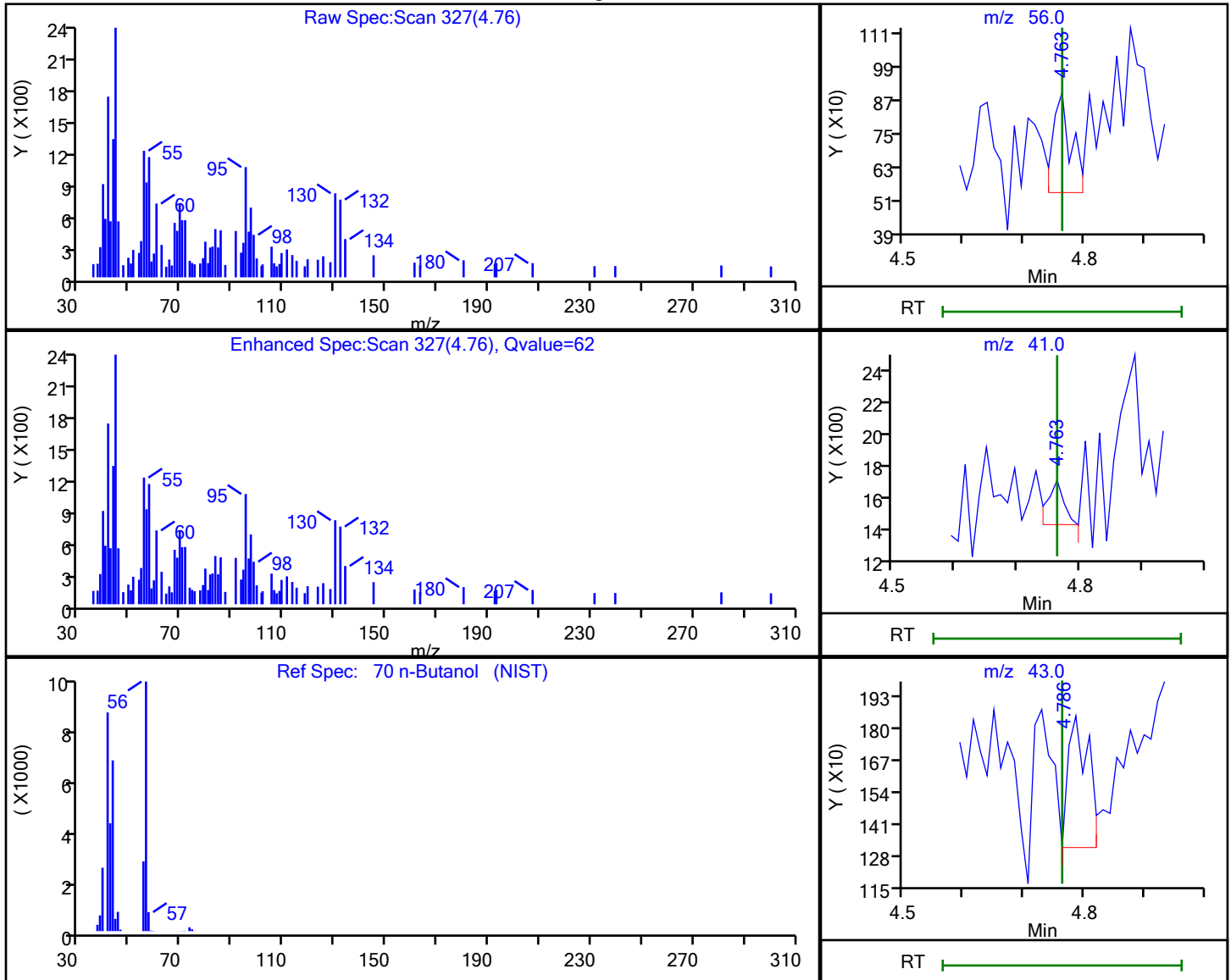
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

70 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.76	56.00	772	14.856802
4.76	41.00	468	
4.79	43.00	1269	

Reviewer: W9CM, 05-Jan-2024 11:27:32 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49186.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 05-Jan-2024 00:58:30 ALS Bottle#: 55 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0170980-006
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:19 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 07:37:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.140	1.151	-0.011	83	2271	NC	NC	M
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	88	5981	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	93	13418	NC	NC	
5 Dichlorodifluoromethane	85	1.243	1.254	-0.011	99	33581	5.00	4.81	
2 Chlorodifluoromethane	67	1.266	1.265	0.001	100	6080	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	99	41422	5.00	5.00	
7 Vinyl chloride	62	1.437	1.437	0.000	99	43491	5.00	5.12	
8 Butadiene	54	1.448	1.460	-0.012	97	40298	5.00	5.03	
9 Bromomethane	94	1.654	1.654	0.000	98	17101	5.00	4.33	
10 Chloroethane	64	1.711	1.711	0.000	99	25569	5.00	4.82	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	99	68031	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	44736	5.00	5.23	
13 Pentane	72	1.871	1.871	0.000	97	11831	10.0	11.4	
17 Ethanol	46	1.986	1.974	0.012	91	4340	200.0	222.6	
14 Ethyl ether	74	2.008	2.008	0.000	96	20221	5.00	5.27	
15 2-Methyl-1,3-butadiene	53	2.020	2.020	0.000	96	34467	5.00	5.50	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	94	23836	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	40048	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	96	28211	5.00	5.37	
52 Acrolein	56	2.146	2.146	0.000	67	7941	20.0	16.2	
20 1,1-Dichloroethene	96	2.169	2.168	0.000	95	27210	5.00	5.41	
23 Acetone	43	2.226	2.226	0.000	84	45139	25.0	26.1	
21 Iodomethane	142	2.294	2.294	0.000	98	19413	5.00	4.46	
24 Isopropyl alcohol	45	2.306	2.294	0.012	61	13582	50.0	53.0	
22 Carbon disulfide	76	2.317	2.317	0.000	100	97091	5.00	4.80	
30 Methyl acetate	43	2.420	2.408	0.012	99	46197	10.0	10.3	
26 3-Chloro-1-propene	76	2.409	2.408	0.001	95	20543	5.00	5.13	
25 Cyclopentene	67	2.431	2.431	0.000	94	72970	NC	NC	
27 Acetonitrile	41	2.466	2.454	0.012	19	23240	50.0	39.5	a
* 28 TBA-d9 (IS)	66	2.489	2.488	0.001	99	32963	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	97	31586	5.00	5.35	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	97	25489	50.0	49.7	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	96	92324	5.00	5.17	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	30233	5.00	5.15	
35 Acrylonitrile	53	2.717	2.706	0.011	95	111547	50.0	56.6	
36 Hexane	57	2.786	2.786	0.000	93	46756	5.00	6.00	
37 Isopropyl ether	45	2.946	2.946	0.000	96	111314	5.00	5.06	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	100	62027	5.00	5.16	
40 Vinyl acetate	43	2.991	2.991	0.000	100	118555	10.0	9.46	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	95	29009	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	89	102200	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	100	299284	250.0	250.0	
43 2,2-Dichloropropane	97	3.414	3.403	0.011	96	12288	5.00	5.49	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	94	34107	5.00	5.24	
44 2-Butanone (MEK)	72	3.449	3.437	0.012	95	17912	25.0	27.9	
47 Ethyl acetate	70	3.449	3.449	0.001	93	5652	10.0	10.7	
46 Methyl acrylate	55	3.506	3.494	0.012	99	19856	NC	NC	
48 Propionitrile	54	3.563	3.563	0.000	96	35233	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	95	15140	5.00	5.13	
50 Tetrahydrofuran	72	3.643	3.643	0.000	38	8009	10.0	10.2	a
54 Methacrylonitrile	67	3.654	3.643	0.011	95	123368	NC	NC	
51 Chloroform	83	3.689	3.689	0.000	97	56566	5.00	5.28	
53 Cyclohexane	84	3.803	3.803	0.000	95	49158	5.00	5.60	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	97	48985	5.00	5.14	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	175596	50.0	50.8	
57 Carbon tetrachloride	117	3.929	3.929	0.000	96	42474	5.00	5.33	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	96	45838	5.00	5.20	
61 Isobutyl alcohol	43	4.100	4.089	0.011	54	44490	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	96	91983	NC	NC	
59 Benzene	78	4.146	4.134	0.012	96	127029	5.00	5.07	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	212613	50.0	49.3	
62 Tert-amyl methyl ether	73	4.192	4.191	0.001	89	101707	NC	NC	
66 Isopropyl acetate	87	4.192	4.191	0.001	92	26831	5.00	4.87	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	45046	5.00	5.12	
65 n-Heptane	57	4.283	4.283	0.000	95	19226	5.00	5.71	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	648815	50.0	50.0	
69 Trichloroethene	95	4.774	4.774	0.000	97	31508	5.00	5.23	
72 Methylcyclohexane	83	4.889	4.877	0.012	91	49691	5.00	5.38	
71 Ethyl acrylate	99	4.900	4.889	0.011	93	4720	5.00	5.45	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	88	33172	5.00	4.99	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	50	20325	1000.0	1000.0	
74 Methyl methacrylate	100	5.140	5.129	0.011	94	16528	10.0	10.8	
78 1,4-Dioxane	88	5.186	5.174	0.012	34	5526	100.0	89.6	
77 n-Propyl acetate	43	5.197	5.186	0.011	97	38601	5.00	4.65	
75 Dibromomethane	93	5.186	5.186	0.000	94	18950	5.00	5.20	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	40068	5.00	4.85	
34 2-Nitropropane	41	5.689	5.677	0.012	98	22614	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.712	5.700	0.012	90	16604	5.01	4.89	
80 Epichlorohydrin	57	5.815	5.803	0.012	99	57341	100.0	111.6	
81 cis-1,3-Dichloropropene	75	5.872	5.860	0.012	97	55029	5.00	5.15	
84 4-Methyl-2-pentanone (MIBK)	43	6.032	6.032	0.000	99	157784	25.0	28.3	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	769730	50.0	50.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	6.203	6.192	0.011	92	138884	5.00	5.27	
85 trans-1,3-Dichloropropene	75	6.603	6.603	0.000	98	48853	5.00	5.04	
86 Ethyl methacrylate	69	6.638	6.626	0.012	89	39110	NC	NC	
87 1,1,2-Trichloroethane	83	6.832	6.832	0.000	95	22508	5.00	5.22	
88 Tetrachloroethene	166	6.866	6.866	0.000	96	29261	5.00	5.11	
89 1,3-Dichloropropane	76	7.060	7.049	0.011	97	48669	5.00	5.22	
91 2-Hexanone	43	7.140	7.129	0.011	98	92164	25.0	25.8	
92 n-Butyl acetate	43	7.289	7.277	0.012	97	35771	5.00	3.92	
90 Chlorodibromomethane	129	7.312	7.312	0.000	96	27223	5.00	4.93	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	26729	5.00	5.19	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	90	452724	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	95	79959	5.00	5.16	
97 Ethylbenzene	106	8.181	8.180	0.001	99	42405	5.00	4.90	
96 1,1,1,2-Tetrachloroethane	131	8.203	8.203	0.000	94	27152	5.00	5.01	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	98	53645	5.00	5.00	
100 o-Xylene	106	8.775	8.763	0.012	92	52796	5.00	5.05	
99 n-Butyl acrylate	73	8.786	8.775	0.011	98	22429	5.00	4.80	
101 Styrene	104	8.809	8.798	0.011	94	87207	5.00	5.10	
102 Amyl acetate (mixed isomers)	43	9.026	9.015	0.011	91	51229	5.00	4.97	
103 Bromoform	173	9.026	9.015	0.011	95	18401	5.00	5.15	
104 Isopropylbenzene	105	9.141	9.140	0.001	96	134257	5.00	5.12	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	196108	50.0	50.1	
107 Bromobenzene	156	9.472	9.472	0.000	95	30016	5.00	5.04	
108 1,1,2,2-Tetrachloroethane	83	9.541	9.529	0.012	98	33702	5.00	5.10	
109 N-Propylbenzene	91	9.541	9.541	0.000	98	160900	5.00	5.27	
115 1,2,3-Trichloropropane	110	9.575	9.563	0.012	96	11068	5.00	5.78	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	82	9047	NC	NC	
114 2-Chlorotoluene	91	9.644	9.643	0.001	97	107183	5.00	5.04	
113 4-Ethyltoluene	105	9.655	9.655	0.000	98	124816	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.724	9.712	0.012	92	110996	5.00	5.25	
110 4-Chlorotoluene	91	9.758	9.758	0.000	99	107737	5.00	5.24	
117 Butyl Methacrylate	87	9.826	9.826	0.000	96	34217	5.00	4.77	
118 tert-Butylbenzene	119	9.998	9.986	0.012	93	91237	5.00	5.11	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	98	104093	5.00	4.97	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	128135	5.00	5.14	
121 4-Isopropyltoluene	119	10.318	10.306	0.012	97	104068	5.00	4.91	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	78	57737	5.00	5.02	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	211188	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	94	56781	5.00	4.97	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	108253	5.00	4.97	
125 Benzyl chloride	91	10.524	10.523	0.001	98	63677	5.00	4.96	
111 2,3-Dihydroindene	117	10.581	10.569	0.012	95	106425	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	94	59626	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	49290	5.00	4.76	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	94	54744	5.00	5.08	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	97	95683	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	90	6533	5.00	4.73	
132 1,3,5-Trichlorobenzene	180	11.449	11.438	0.011	95	35783	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.918	11.906	0.012	93	31972	5.00	5.03	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	89	12783	5.00	5.00	
134 Naphthalene	128	12.089	12.089	0.000	99	85644	5.00	5.09	
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	93	29039	5.00	4.88	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.4	
S 137 Xylenes, Total	100				0		10.0	10.0	
S 138 1,3-Dichloropropene, Total	1				0		10.0	10.2	
S 139 Total BTEX	1				0		25.0	25.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00181	Amount Added: 10.00	Units: uL	
ACROLEIN W_00164	Amount Added: 4.00	Units: uL	
524FREONS_00012	Amount Added: 10.00	Units: uL	
GASES Li_00565	Amount Added: 10.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49186.D

Injection Date: 05-Jan-2024 00:58:30

Instrument ID: CVOAMS7

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#: 55

Worklist Smp#: 6

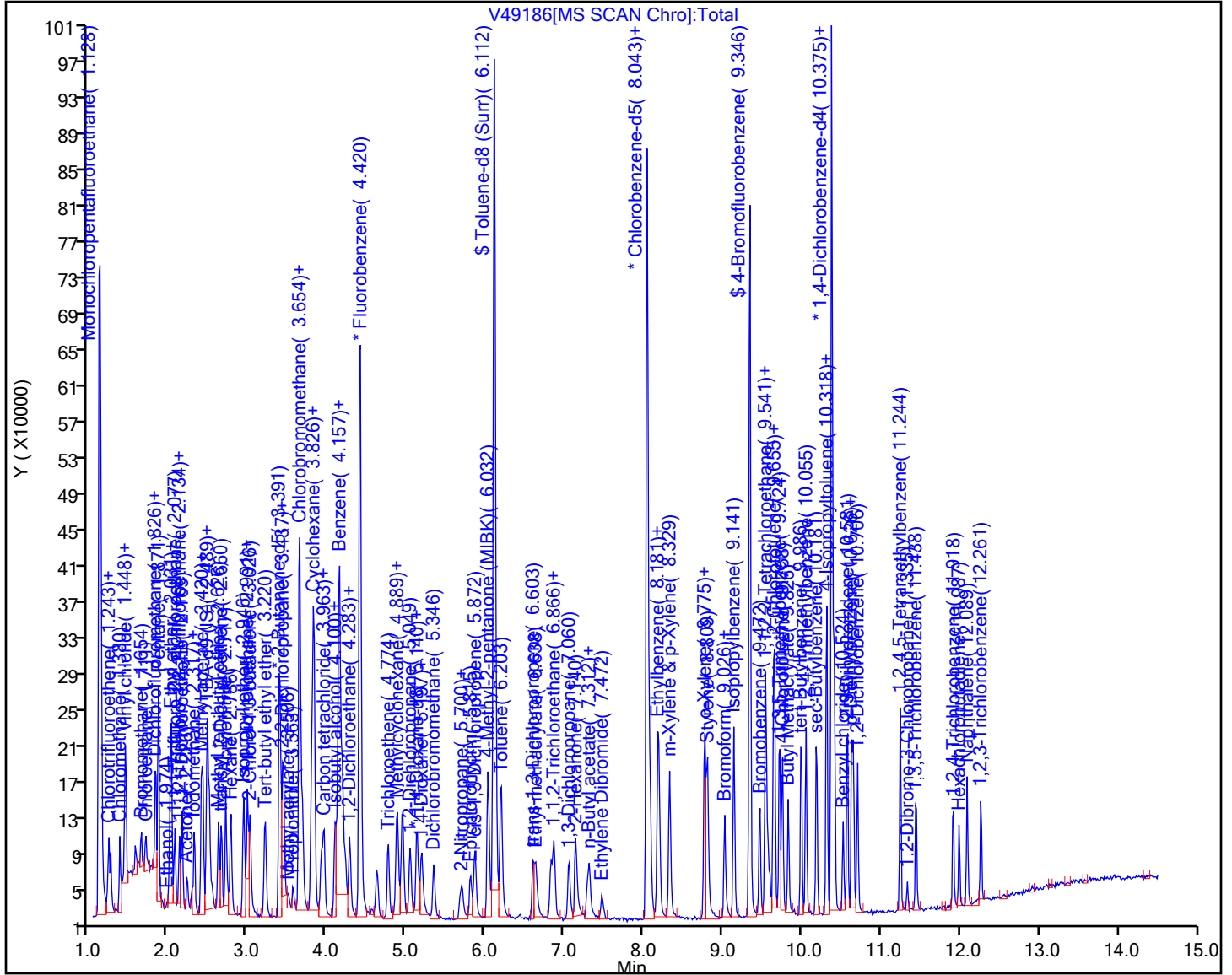
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49186.D
Injection Date: 05-Jan-2024 00:58:30 Instrument ID: CVOAMS7
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

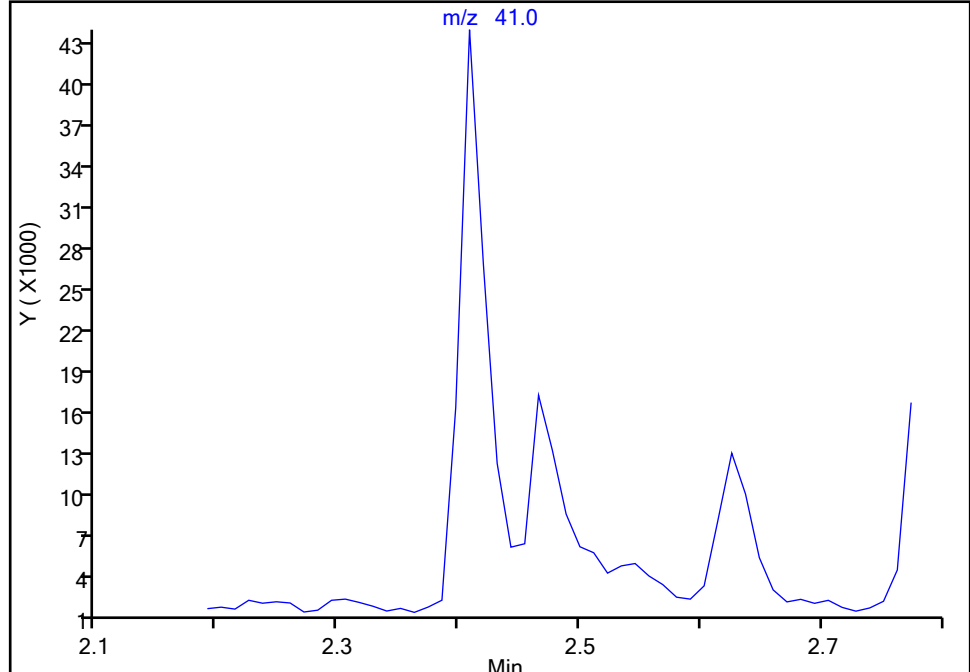
ALS Bottle#: 55 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

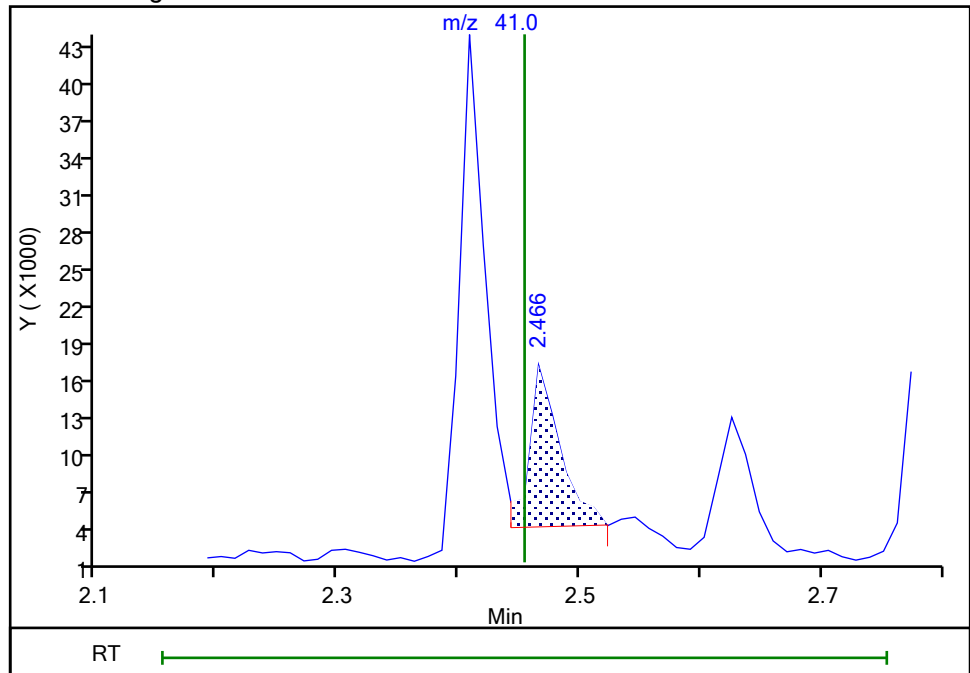
Not Detected
Expected RT: 2.45

Processing Integration Results



RT: 2.47
Area: 23240
Amount: 39.483458
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:39:06 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49186.D
Injection Date: 05-Jan-2024 00:58:30 Instrument ID: CVOAMS7
Lims ID: STD5
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

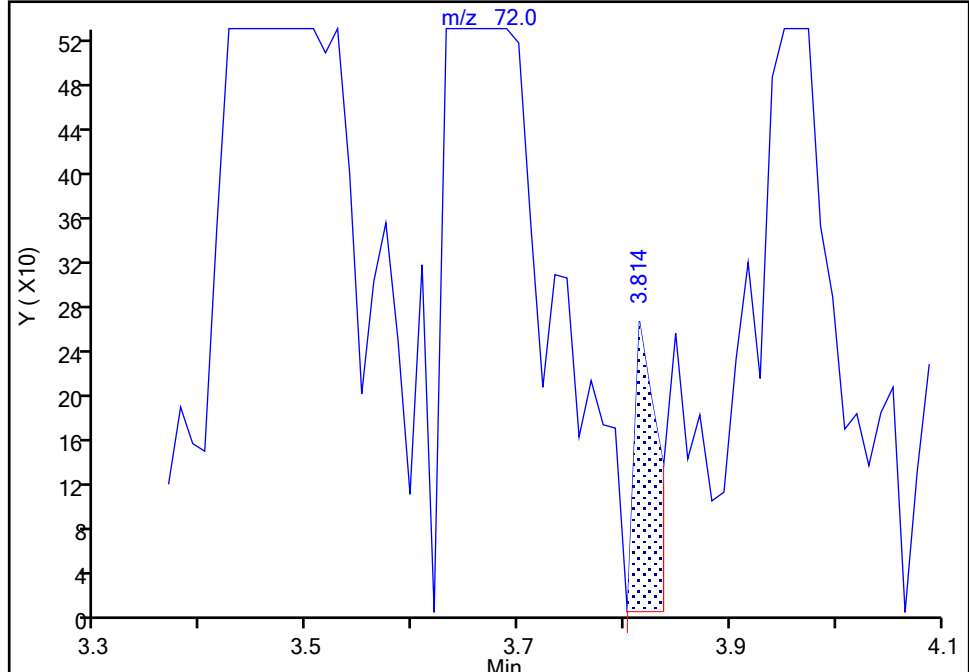
ALS Bottle#: 55 Worklist Smp#: 6
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

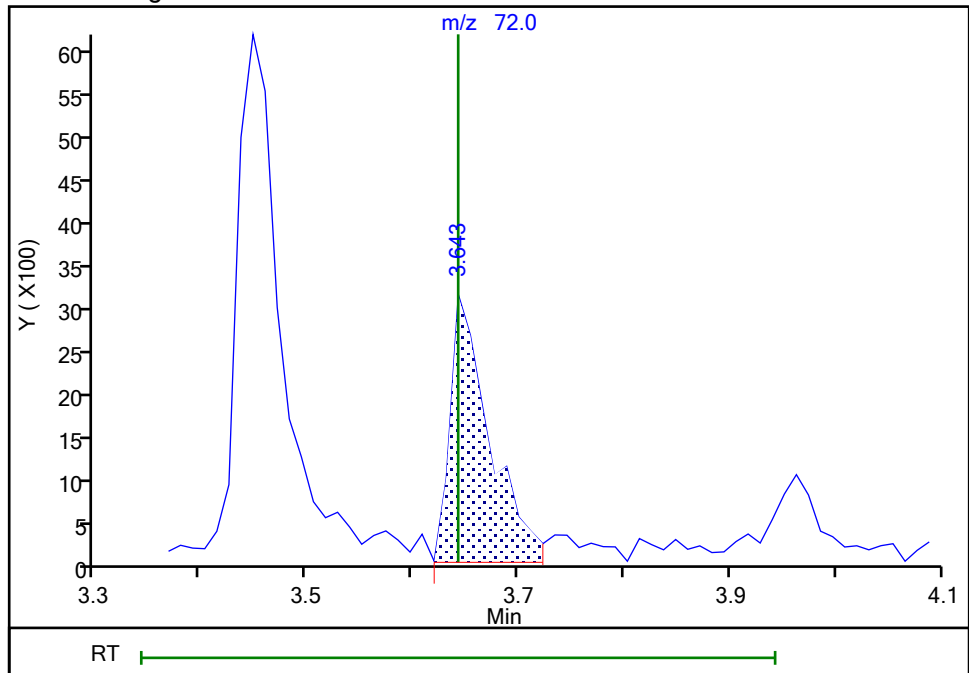
RT: 3.81
Area: 405
Amount: 0.604353
Amount Units: ug/l

Processing Integration Results



RT: 3.64
Area: 8009
Amount: 10.226681
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:48:56 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49186.D

Injection Date: 05-Jan-2024 00:58:30

Instrument ID: CVOAMS7

Lims ID: STD5

Client ID:

Operator ID:

ALS Bottle#:

55

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

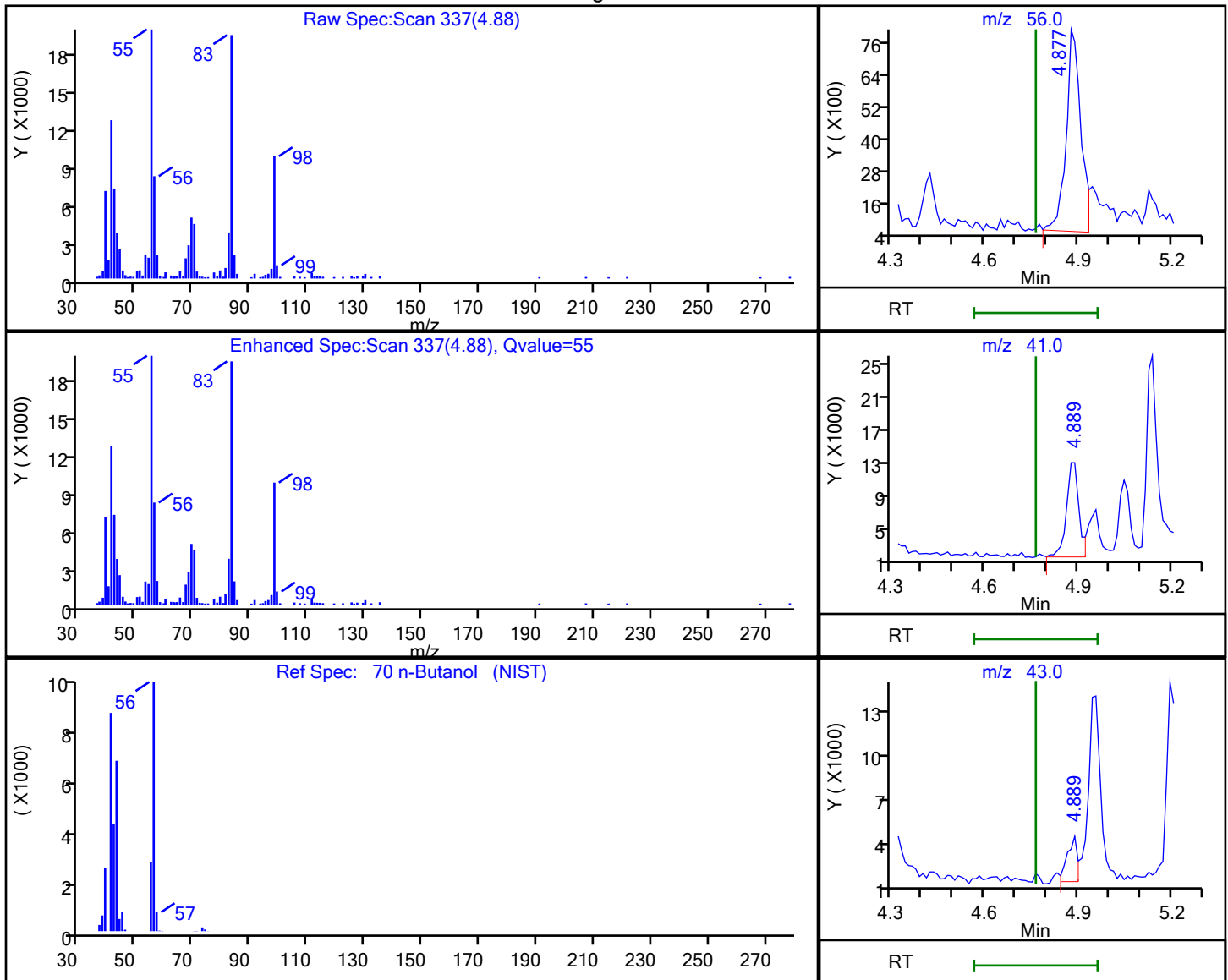
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

70 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.88	56.00	25487	321.8679
4.89	41.00	31778	
4.89	43.00	6718	

Reviewer: W9CM, 05-Jan-2024 11:39:24 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49187.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 4
 Inject. Date: 05-Jan-2024 01:19:30 ALS Bottle#: 56 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0170980-007
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:25 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: W9CM

Date: 08-Jan-2024 11:19:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.151	1.151	0.000	70	2553	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	82	23260	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	92	54638	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	99	132187	20.0	17.9	
2 Chlorodifluoromethane	67	1.265	1.265	0.000	100	24164	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	99	168414	20.0	19.3	
7 Vinyl chloride	62	1.437	1.437	0.000	99	177640	20.0	19.8	
8 Butadiene	54	1.460	1.460	0.000	98	172096	20.0	20.4	
9 Bromomethane	94	1.654	1.654	0.000	98	73600	20.0	17.7	
10 Chloroethane	64	1.711	1.711	0.000	100	110500	20.0	19.7	
11 Dichlorofluoromethane	67	1.825	1.825	0.000	99	282978	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	97	184621	20.0	20.5	
13 Pentane	72	1.871	1.871	0.000	96	48578	40.0	44.5	
17 Ethanol	46	1.974	1.974	0.000	96	20094	800.0	836.5	
14 Ethyl ether	74	2.008	2.008	0.000	95	79897	20.0	19.7	
15 2-Methyl-1,3-butadiene	53	2.020	2.020	0.000	98	134355	20.0	20.3	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	94	98726	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	157228	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	97	112059	20.0	20.2	
52 Acrolein	56	2.146	2.146	0.000	49	21851	40.0	42.3	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	95	113218	20.0	21.3	
23 Acetone	43	2.226	2.226	0.000	85	187795	100.0	97.5	
21 Iodomethane	142	2.294	2.294	0.000	97	97282	20.0	18.9	
24 Isopropyl alcohol	45	2.294	2.294	0.000	67	59096	200.0	187.3	
22 Carbon disulfide	76	2.317	2.317	0.000	100	395154	20.0	18.5	
30 Methyl acetate	43	2.408	2.408	0.000	81	180128	40.0	38.1	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	90	88519	20.0	21.0	
25 Cyclopentene	67	2.431	2.431	0.000	94	298171	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	96	140920	200.0	214.9	a
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	40605	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	97	124871	20.0	20.1	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	99	103707	200.0	164.2	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	97	379821	20.0	20.1	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	125498	20.0	20.3	
35 Acrylonitrile	53	2.706	2.706	0.000	93	459639	200.0	221.2	
36 Hexane	57	2.786	2.786	0.000	93	186122	20.0	22.6	
37 Isopropyl ether	45	2.946	2.946	0.000	96	465383	20.0	20.0	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	68	255602	20.0	20.1	
40 Vinyl acetate	43	2.991	2.991	0.000	100	571909	40.0	41.0	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	94	119906	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	90	424388	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	97	333470	250.0	250.0	
43 2,2-Dichloropropane	97	3.403	3.403	0.000	94	45503	20.0	19.3	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	94	137147	20.0	20.0	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	96	69503	100.0	97.3	
47 Ethyl acetate	70	3.449	3.449	0.000	94	27050	40.0	42.4	
46 Methyl acrylate	55	3.494	3.494	0.000	99	99976	NC	NC	
48 Propionitrile	54	3.563	3.563	0.000	98	167733	NC	NC	
50 Tetrahydrofuran	72	3.643	3.643	0.000	60	31762	40.0	38.4	
54 Methacrylonitrile	67	3.643	3.643	0.000	95	532153	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	98	61062	20.0	19.6	
51 Chloroform	83	3.689	3.689	0.000	98	223883	20.0	19.8	
53 Cyclohexane	84	3.803	3.803	0.000	95	197352	20.0	21.3	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	201640	20.0	20.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	174858	50.0	47.9	
57 Carbon tetrachloride	117	3.929	3.929	0.000	97	173528	20.0	20.6	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	94	196291	20.0	21.1	
61 Isobutyl alcohol	43	4.089	4.089	0.000	95	195194	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	99	362629	NC	NC	
59 Benzene	78	4.134	4.134	0.000	98	535336	20.0	20.2	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	218773	50.0	48.1	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	94	391482	NC	NC	
66 Isopropyl acetate	87	4.191	4.191	0.000	95	115421	20.0	19.9	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	98	180259	20.0	19.4	
65 n-Heptane	57	4.283	4.283	0.000	97	80464	20.0	22.7	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	684700	50.0	50.0	
70 n-Butanol	56	4.763	4.763	0.000	32	44704	500.0	407.1	a
69 Trichloroethene	95	4.774	4.774	0.000	98	130067	20.0	20.5	
72 Methylcyclohexane	83	4.877	4.877	0.000	89	209804	20.0	21.5	
71 Ethyl acrylate	99	4.889	4.889	0.000	96	17488	20.0	19.1	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	87	142250	20.0	20.3	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	48	24961	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	94	65848	40.0	40.9	
78 1,4-Dioxane	88	5.174	5.174	0.000	41	20697	400.0	273.4	
77 n-Propyl acetate	43	5.186	5.186	0.000	99	186159	20.0	21.3	
75 Dibromomethane	93	5.186	5.186	0.000	94	73833	20.0	19.2	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	174561	20.0	20.0	
34 2-Nitropropane	41	5.677	5.677	0.000	98	87744	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	98	69077	20.0	19.3	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	256552	400.0	448.1	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	97	227891	20.0	20.2	
84 4-Methyl-2-pentanone (MIBK)	43	6.032	6.032	0.000	98	637646	100.0	102.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	785825	50.0	48.9	
83 Toluene	91	6.192	6.192	0.000	93	556646	20.0	20.0	
85 trans-1,3-Dichloropropene	75	6.603	6.603	0.000	98	205709	20.0	20.1	
86 Ethyl methacrylate	69	6.626	6.626	0.000	91	169473	NC	NC	
87 1,1,2-Trichloroethane	83	6.832	6.832	0.000	93	93484	20.0	20.5	
88 Tetrachloroethene	166	6.866	6.866	0.000	95	122665	20.0	20.3	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	98	197752	20.0	20.1	
91 2-Hexanone	43	7.129	7.129	0.000	98	430125	100.0	107.9	
92 n-Butyl acetate	43	7.277	7.277	0.000	99	204195	20.0	21.2	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	119970	20.0	20.6	
93 Ethylene Dibromide	107	7.472	7.472	0.000	97	108919	20.0	20.0	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	88	477926	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	92	330161	20.0	20.2	
97 Ethylbenzene	106	8.180	8.180	0.000	99	186413	20.0	20.4	
96 1,1,1,2-Tetrachloroethane	131	8.203	8.203	0.000	94	116974	20.0	20.5	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	98	229640	20.0	20.3	
100 o-Xylene	106	8.763	8.763	0.000	93	222558	20.0	20.2	
99 n-Butyl acrylate	73	8.775	8.775	0.000	96	97728	20.0	19.8	
101 Styrene	104	8.798	8.798	0.000	95	353373	20.0	19.6	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	90	232975	20.0	21.4	
103 Bromoform	173	9.015	9.015	0.000	89	74839	20.0	19.9	
104 Isopropylbenzene	105	9.140	9.140	0.000	96	575809	20.0	20.8	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	208066	50.0	50.4	
107 Bromobenzene	156	9.472	9.472	0.000	97	130596	20.0	20.8	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	99	140346	20.0	20.1	
109 N-Propylbenzene	91	9.541	9.541	0.000	99	679313	20.0	21.0	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	98	39299	20.0	19.4	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	79	38270	NC	NC	a
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	458856	20.0	20.4	
113 4-Ethyltoluene	105	9.655	9.655	0.000	97	540610	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	457596	20.0	20.5	
110 4-Chlorotoluene	91	9.758	9.758	0.000	98	440724	20.0	20.3	
117 Butyl Methacrylate	87	9.826	9.826	0.000	96	153032	20.0	20.2	
118 tert-Butylbenzene	119	9.986	9.986	0.000	93	381431	20.0	20.2	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	98	448604	20.0	20.3	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	551138	20.0	20.9	
121 4-Isopropyltoluene	119	10.306	10.306	0.000	97	453549	20.0	20.2	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	77	238270	20.0	19.6	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	223170	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	92	238924	20.0	19.8	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	461963	20.0	20.1	
125 Benzyl chloride	91	10.523	10.523	0.000	98	272309	20.0	20.1	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	95	446652	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	93	261964	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	212239	20.0	19.4	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	95	222897	20.0	19.6	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	97	404033	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	95	29782	20.0	20.4	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	149295	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.906	11.906	0.000	94	129872	20.0	19.3	
133 Hexachlorobutadiene	225	11.986	11.986	0.000	93	54253	20.0	20.1	
134 Naphthalene	128	12.089	12.089	0.000	99	346675	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	96	124716	20.0	19.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.2	
S 137 Xylenes, Total	100				0		40.0	40.4	
S 138 1,3-Dichloropropene, Total	1				0		40.0	40.3	
S 139 Total BTEX	1				0		100.0	101.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00181	Amount Added: 20.00	Units: uL	
ACROLEIN W_00164	Amount Added: 4.00	Units: uL	
524FREONS_00012	Amount Added: 20.00	Units: uL	
GASES Li_00565	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49187.D

Injection Date: 05-Jan-2024 01:19:30

Instrument ID: CVOAMS7

Lims ID: STD20

Client ID:

Operator ID:

ALS Bottle#: 56

Worklist Smp#: 7

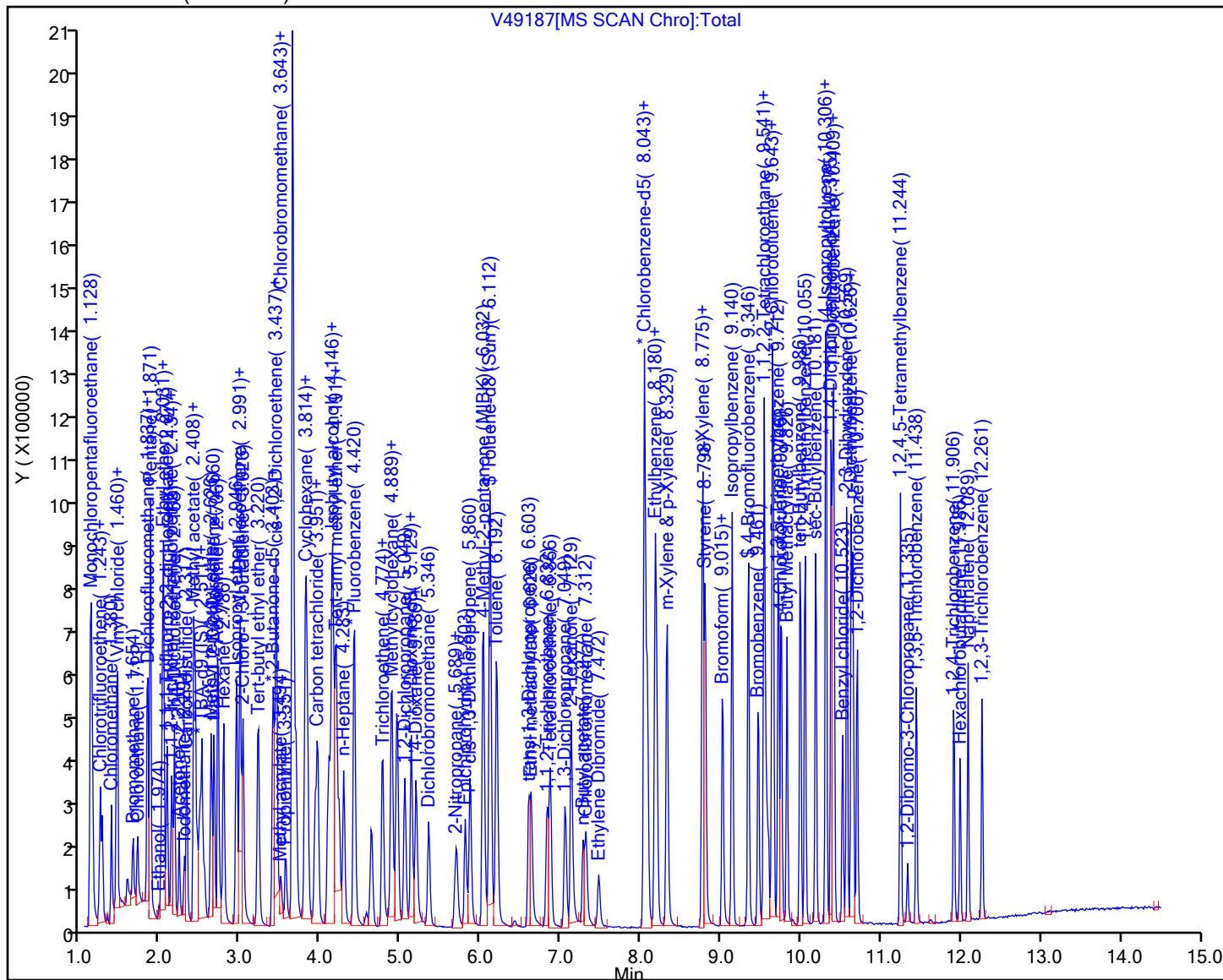
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49187.D
Injection Date: 05-Jan-2024 01:19:30 Instrument ID: CVOAMS7
Lims ID: STD20
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

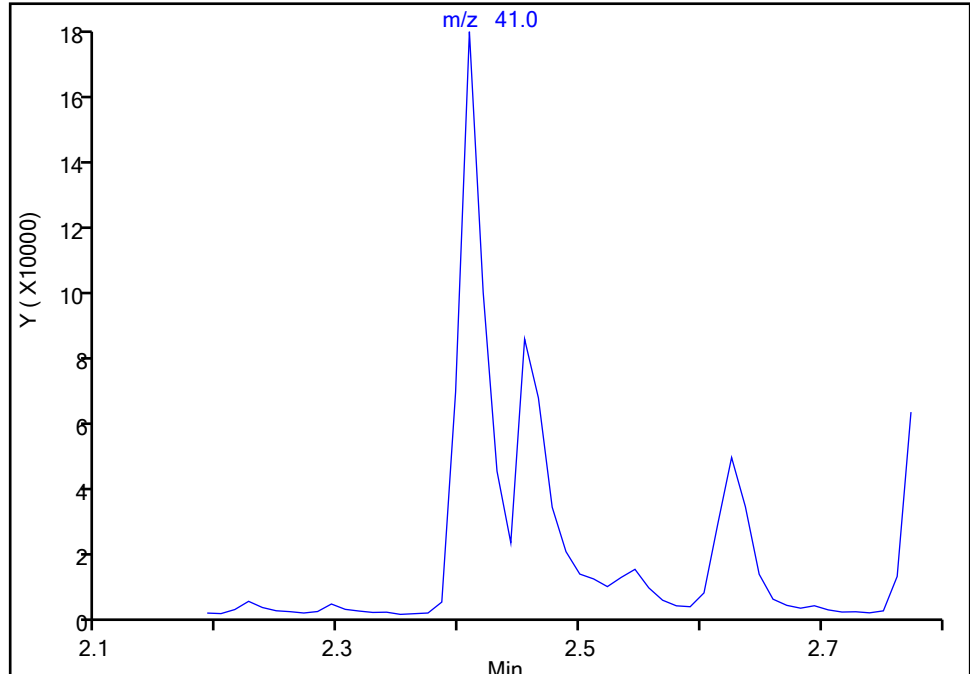
ALS Bottle#: 56 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

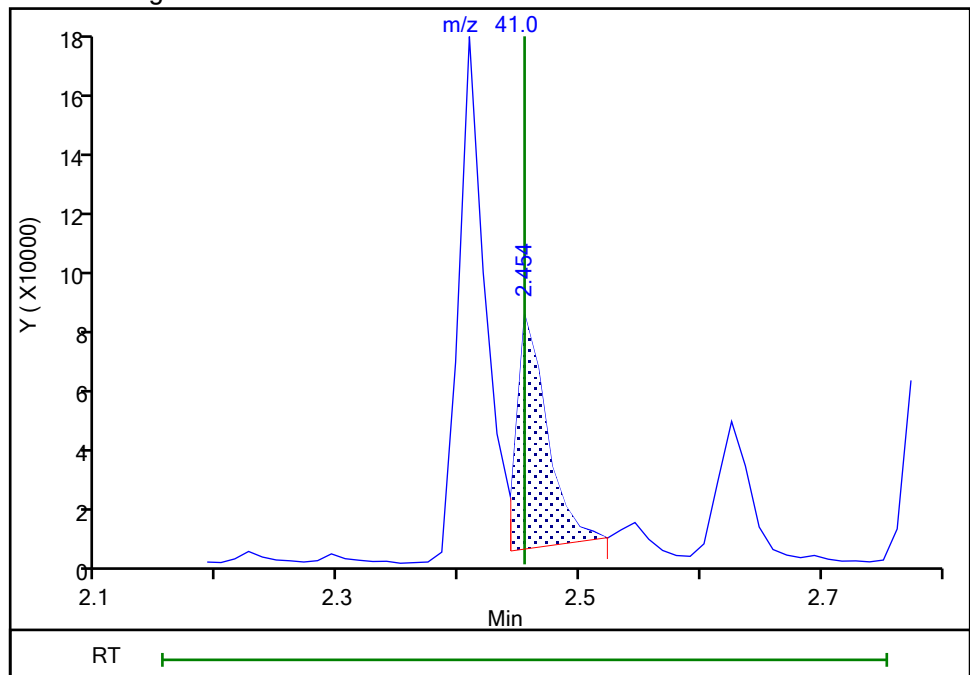
Not Detected
Expected RT: 2.45

Processing Integration Results



RT: 2.45
Area: 140920
Amount: 214.8713
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:41:03 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49187.D
Injection Date: 05-Jan-2024 01:19:30 Instrument ID: CVOAMS7
Lims ID: STD20
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

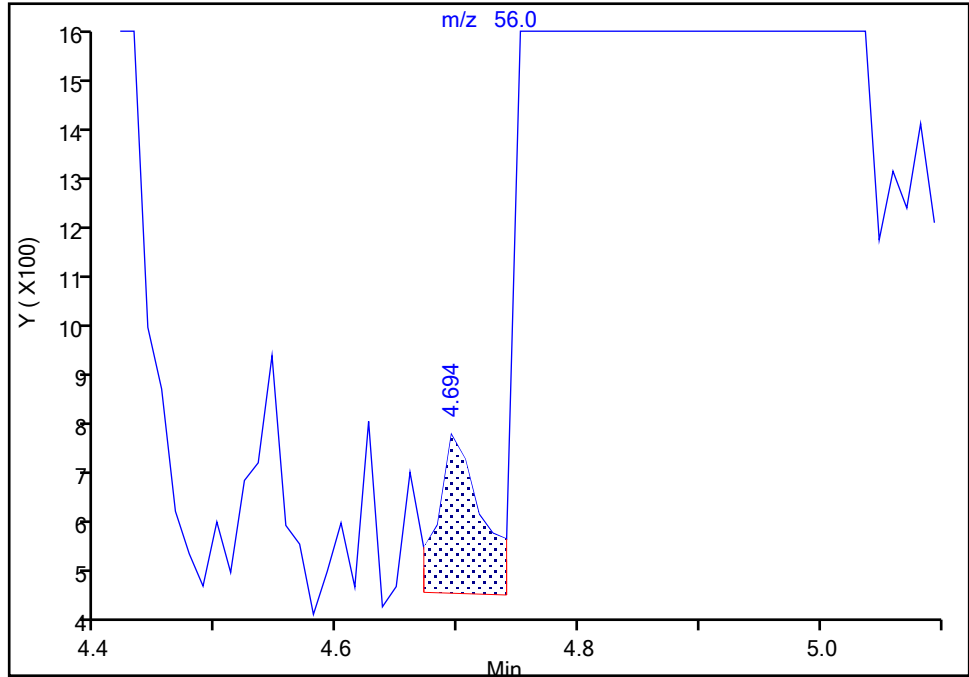
ALS Bottle#: 56 Worklist Smp#: 7
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

70 n-Butanol, CAS: 71-36-3

Signal: 1

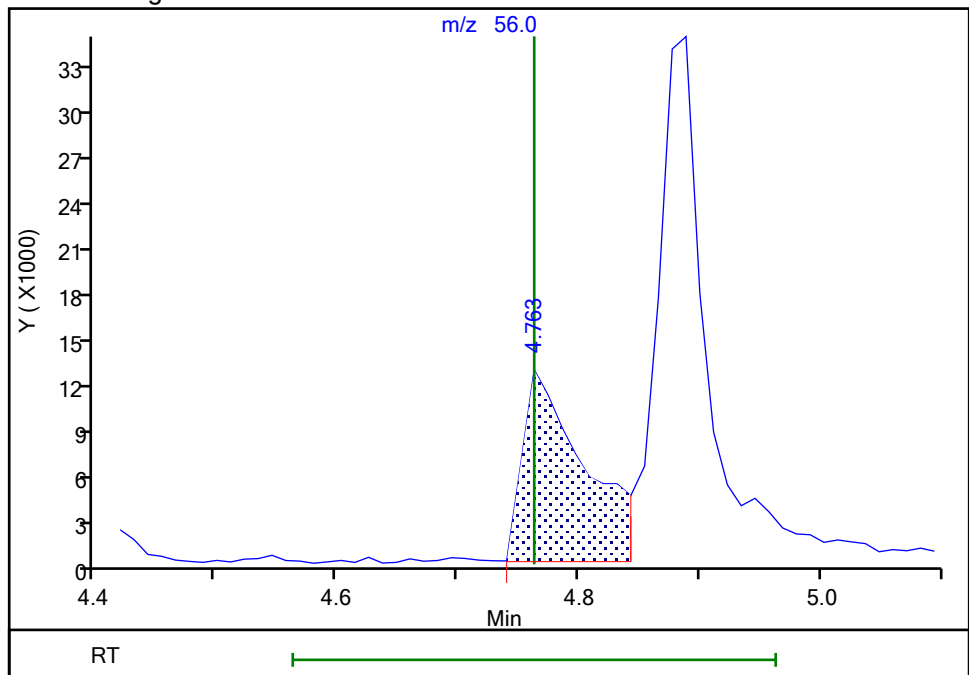
RT: 4.69
Area: 823
Amount: 14.471457
Amount Units: ug/l

Processing Integration Results



RT: 4.76
Area: 44704
Amount: 407.0546
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:42:53 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49188.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 05-Jan-2024 01:41:30 ALS Bottle#: 57 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0170980-008
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:32 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 07:25:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.163	1.151	0.012	72	4742	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	97	71572	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	93	145281	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	99	390541	50.0	49.6	
2 Chlorodifluoromethane	67	1.277	1.265	0.012	100	59817	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	440942	50.0	47.3	
7 Vinyl chloride	62	1.448	1.437	0.011	99	452483	50.0	47.3	
8 Butadiene	54	1.460	1.460	0.000	98	481200	50.0	53.3	
9 Bromomethane	94	1.654	1.654	0.000	99	205970	50.0	46.3	
10 Chloroethane	64	1.711	1.711	0.000	100	290781	50.0	48.6	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	99	704764	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	97	491879	50.0	51.0	
13 Pentane	72	1.871	1.871	0.000	96	126740	100.0	108.7	
17 Ethanol	46	1.974	1.974	0.000	95	52505	2000.0	2146.3	
14 Ethyl ether	74	2.008	2.008	0.000	95	194068	50.0	44.9	
15 2-Methyl-1,3-butadiene	53	2.031	2.020	0.011	96	356626	50.0	50.5	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.043	2.031	0.012	95	247304	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	445394	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	95	307218	50.0	51.9	
52 Acrolein	56	2.146	2.146	0.000	97	57179	100.0	103.6	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	95	299228	50.0	52.8	
23 Acetone	43	2.226	2.226	0.000	85	421086	250.0	212.2	
21 Iodomethane	142	2.294	2.294	0.000	98	307380	50.0	54.8	
24 Isopropyl alcohol	45	2.294	2.294	0.000	96	157211	500.0	489.2	
22 Carbon disulfide	76	2.328	2.317	0.011	100	1040663	50.0	45.7	
30 Methyl acetate	43	2.408	2.408	0.000	81	468907	100.0	93.0	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	95	229921	50.0	51.0	
25 Cyclopentene	67	2.431	2.431	0.000	95	800610	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	96	385882	500.0	571.1	a
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	41353	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	98	324431	50.0	48.8	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	98	266078	500.0	413.6	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	97	964756	50.0	47.9	
33 trans-1,2-Dichloroethene	96	2.671	2.660	0.011	99	330124	50.0	49.9	
35 Acrylonitrile	53	2.717	2.706	0.011	94	1209092	500.0	545.0	
36 Hexane	57	2.786	2.786	0.000	93	524893	50.0	59.8	
37 Isopropyl ether	45	2.946	2.946	0.000	96	1224293	50.0	49.4	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	63	687976	50.0	50.8	
40 Vinyl acetate	43	2.991	2.991	0.000	100	1694867	100.0	117.9	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	324368	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	88	1113791	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	97	343583	250.0	250.0	
43 2,2-Dichloropropane	97	3.414	3.403	0.011	97	117937	50.0	46.7	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	56	364009	50.0	49.7	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	96	176693	250.0	240.0	
47 Ethyl acetate	70	3.437	3.449	-0.011	95	65455	100.0	98.1	
46 Methyl acrylate	55	3.494	3.494	0.000	99	279803	NC	NC	
48 Propionitrile	54	3.551	3.563	-0.012	97	442080	NC	NC	
54 Methacrylonitrile	67	3.643	3.643	0.000	95	1411440	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	95	160798	50.0	48.3	
50 Tetrahydrofuran	72	3.643	3.643	0.000	68	84211	100.0	95.5	
51 Chloroform	83	3.689	3.689	0.000	98	589122	50.0	48.8	
53 Cyclohexane	84	3.803	3.803	0.000	95	558222	50.0	56.4	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	530874	50.0	49.4	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	198140	50.0	50.9	
57 Carbon tetrachloride	117	3.929	3.929	0.000	98	457856	50.0	51.0	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	94	512363	50.0	51.6	
61 Isobutyl alcohol	43	4.077	4.089	-0.012	95	546884	NC	NC	
64 Isooctane	57	4.111	4.100	0.011	99	1032952	NC	NC	
59 Benzene	78	4.146	4.134	0.012	98	1447948	50.0	52.2	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	242395	50.0	49.9	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	92	1034004	NC	NC	
66 Isopropyl acetate	87	4.191	4.191	0.000	95	304339	50.0	49.0	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	470587	50.0	47.5	
65 n-Heptane	57	4.283	4.283	0.000	96	225961	50.0	59.6	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	730900	50.0	50.0	
70 n-Butanol	56	4.740	4.763	-0.023	91	143786	1250.0	1285.6	
69 Trichloroethene	95	4.774	4.774	0.000	98	353694	50.0	52.1	
72 Methylcyclohexane	83	4.889	4.877	0.012	82	594755	50.0	57.2	
71 Ethyl acrylate	99	4.877	4.889	-0.012	94	50357	50.0	51.6	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	88	371236	50.0	49.6	
* 68 1,4-Dioxane-d8	96	5.129	5.117	0.012	44	28121	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	94	182732	100.0	106.3	
78 1,4-Dioxane	88	5.174	5.174	0.000	53	56449	1000.0	661.9	
77 n-Propyl acetate	43	5.186	5.186	0.000	99	494563	50.0	52.9	
75 Dibromomethane	93	5.186	5.186	0.000	64	199507	50.0	48.6	
76 Dichlorobromomethane	83	5.346	5.346	0.000	99	454453	50.0	48.9	
34 2-Nitropropane	41	5.677	5.677	0.000	97	231099	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	98	189728	50.1	49.6	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	683304	1000.0	1158.4	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	98	601635	50.0	50.8	
84 4-Methyl-2-pentanone (MIBK)	43	6.020	6.032	-0.012	98	1630438	250.0	254.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	906696	50.0	53.8	
83 Toluene	91	6.192	6.192	0.000	93	1466256	50.0	50.2	
85 trans-1,3-Dichloropropene	75	6.592	6.603	-0.011	98	551200	50.0	51.4	
86 Ethyl methacrylate	69	6.626	6.626	0.000	92	427144	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.832	-0.012	94	250670	50.0	52.5	
88 Tetrachloroethene	166	6.866	6.866	0.000	96	330208	50.0	52.1	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	97	529583	50.0	51.3	
91 2-Hexanone	43	7.129	7.129	0.000	97	1071329	250.0	260.8	
92 n-Butyl acetate	43	7.266	7.277	-0.011	98	528076	50.0	52.3	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	314279	50.0	51.4	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	291115	50.0	51.1	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	87	501526	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	93	872899	50.0	50.8	
97 Ethylbenzene	106	8.180	8.180	0.000	99	486341	50.0	50.8	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.203	-0.011	94	307119	50.0	51.2	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	97	599721	50.0	50.4	
100 o-Xylene	106	8.763	8.763	0.000	93	592951	50.0	51.2	
99 n-Butyl acrylate	73	8.775	8.775	0.000	97	262173	50.0	50.6	
101 Styrene	104	8.798	8.798	0.000	94	954019	50.0	50.4	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	90	615877	50.0	52.9	
103 Bromoform	173	9.015	9.015	0.000	58	198996	50.0	50.3	
104 Isopropylbenzene	105	9.141	9.140	0.001	96	1517992	50.0	52.3	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	227734	50.0	52.5	
107 Bromobenzene	156	9.461	9.472	-0.011	96	343328	50.0	51.0	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	99	365451	50.0	49.0	
109 N-Propylbenzene	91	9.541	9.541	0.000	99	1850245	50.0	53.6	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	98	101707	50.0	47.0	
112 trans-1,4-Dichloro-2-butene	53	9.586	9.598	-0.012	90	109799	NC	NC	
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	1218865	50.0	50.8	
113 4-Ethyltoluene	105	9.655	9.655	0.000	97	1478114	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	1200857	50.0	50.3	
110 4-Chlorotoluene	91	9.746	9.758	-0.012	99	1147063	50.0	49.4	
117 Butyl Methacrylate	87	9.826	9.826	0.000	95	412095	50.0	50.8	
118 tert-Butylbenzene	119	9.986	9.986	0.000	93	1031711	50.0	51.2	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	98	1207338	50.0	51.0	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	1506421	50.0	53.5	
121 4-Isopropyltoluene	119	10.306	10.306	0.000	97	1255125	50.0	52.4	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	75	638151	50.0	49.1	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	238707	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	93	632702	50.0	49.0	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	1222784	50.0	49.7	
125 Benzyl chloride	91	10.524	10.523	0.001	98	745117	50.0	51.4	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	94	1182935	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	92	718626	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	588629	50.0	50.3	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	96	598503	50.0	49.1	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	97	1075833	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	95	71517	50.0	45.8	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	405970	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.907	11.906	0.000	93	355343	50.0	49.5	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	93	147457	50.0	51.1	
134 Naphthalene	128	12.089	12.089	0.000	99	888268	50.0	46.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	95	325759	50.0	48.4	
S 136 1,2-Dichloroethene, Total	100				0		100.0	99.6	
S 137 Xylenes, Total	100				0		100.0	101.6	
S 138 1,3-Dichloropropene, Total	1				0		100.0	102.1	
S 139 Total BTEX	1				0		250.0	254.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00181	Amount Added: 50.00	Units: uL	
ACROLEIN W_00164	Amount Added: 10.00	Units: uL	
524FREONS_00012	Amount Added: 50.00	Units: uL	
GASES Li_00565	Amount Added: 50.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49188.D

Injection Date: 05-Jan-2024 01:41:30

Instrument ID: CVOAMS7

Lims ID: STD50

Client ID:

Operator ID:

ALS Bottle#: 57

Worklist Smp#: 8

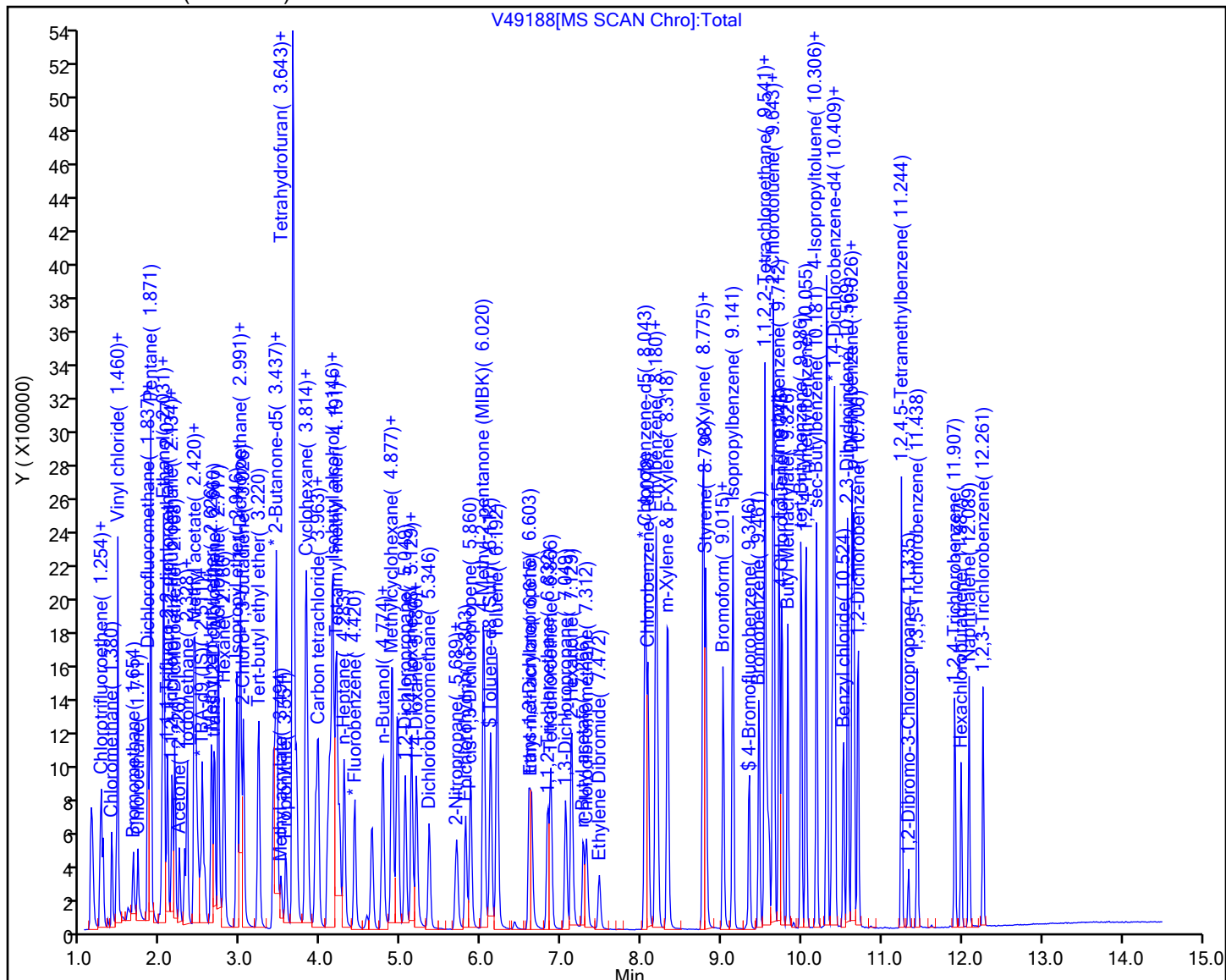
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W 7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49188.D
Injection Date: 05-Jan-2024 01:41:30 Instrument ID: CVOAMS7
Lims ID: STD50
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

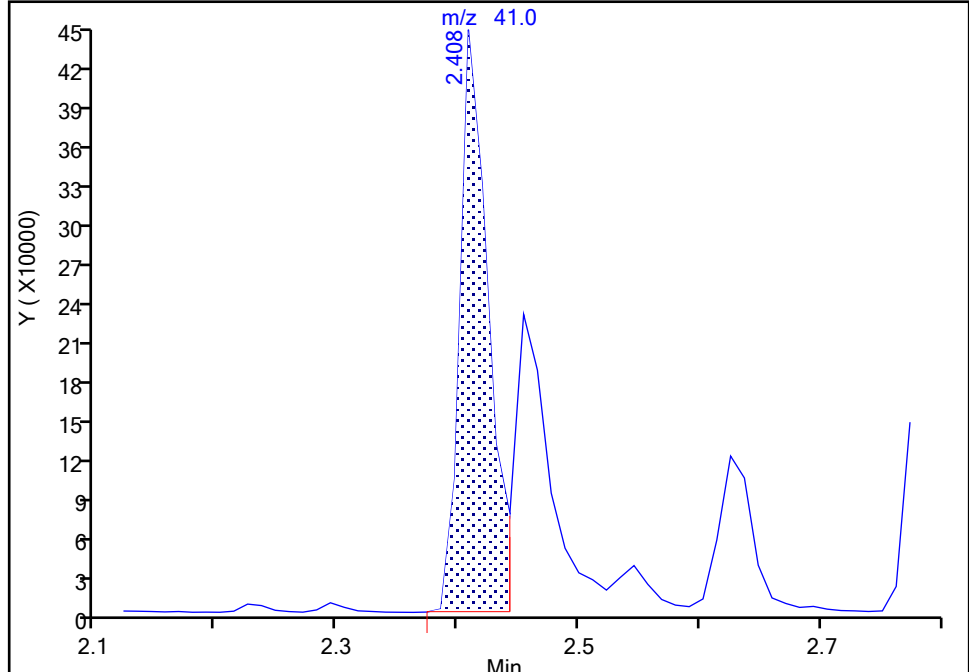
ALS Bottle#: 57 Worklist Smp#: 8
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

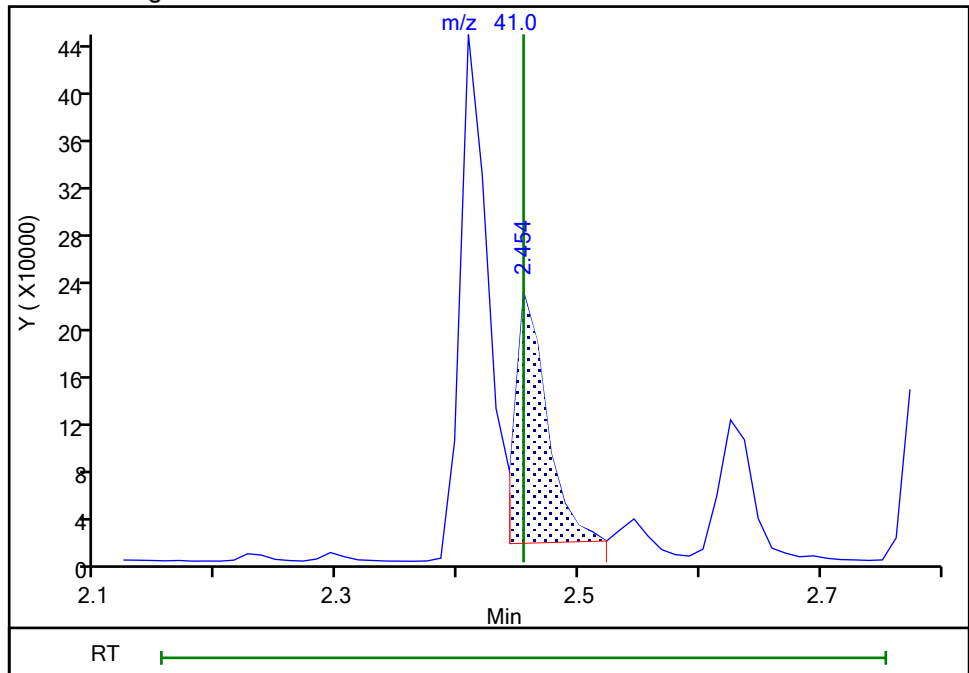
RT: 2.41
Area: 732653
Amount: 944.8667
Amount Units: ug/l

Processing Integration Results



RT: 2.45
Area: 385882
Amount: 571.0648
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:45:19 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49189.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 05-Jan-2024 02:02:30 ALS Bottle#: 58 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0170980-009
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:38 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 07:32:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.151	1.151	0.000	62	31852	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	86	298296	NC	NC	
4 1,1-Difluoroethane	65	1.242	1.243	-0.001	96	644333	NC	NC	
5 Dichlorodifluoromethane	85	1.242	1.254	-0.012	99	1900652	200.0	223.0	
2 Chlorodifluoromethane	67	1.265	1.265	0.000	100	273396	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	2083075	200.0	206.3	
7 Vinyl chloride	62	1.437	1.437	0.000	99	2126171	200.0	205.4	
8 Butadiene	54	1.460	1.460	0.000	98	2045453	200.0	209.3	
9 Bromomethane	94	1.643	1.654	-0.011	99	1071150	200.0	222.4	
10 Chloroethane	64	1.700	1.711	-0.011	100	1274335	200.0	196.8	
11 Dichlorofluoromethane	67	1.825	1.825	0.000	99	3072487	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	2109418	200.0	202.2	
13 Pentane	72	1.871	1.871	0.000	97	385398	400.0	305.2	
17 Ethanol	46	1.974	1.974	0.000	98	213872	8000.0	7183.2	
14 Ethyl ether	74	2.008	2.008	0.000	95	795085	200.0	170.0	
15 2-Methyl-1,3-butadiene	53	2.020	2.020	0.000	98	1326290	200.0	173.6	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	88	1074838	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	1979499	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	97	1145584	200.0	178.9	
52 Acrolein	56	2.134	2.146	-0.012	96	136723	200.0	228.7	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	96	1045241	200.0	170.5	
23 Acetone	43	2.225	2.226	-0.001	86	1841914	1000.0	769.4	
21 Iodomethane	142	2.294	2.294	0.000	98	1326297	200.0	216.5	
24 Isopropyl alcohol	45	2.283	2.294	-0.011	74	698480	2000.0	1786.0	
22 Carbon disulfide	76	2.317	2.317	0.000	100	2820786	200.0	114.4	
30 Methyl acetate	43	2.408	2.408	0.000	87	2018365	400.0	369.7	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	90	873703	200.0	178.9	
25 Cyclopentene	67	2.431	2.431	0.000	96	2820199	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	99	1791387	2000.0	2197.0	a
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	50331	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	97	1316314	200.0	182.9	
31 2-Methyl-2-propanol	59	2.534	2.546	-0.012	98	1144237	2000.0	1461.4	
32 Methyl tert-butyl ether	73	2.625	2.626	-0.001	97	4215224	200.0	193.3	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	1244388	200.0	173.8	
35 Acrylonitrile	53	2.705	2.706	-0.001	94	5403224	2000.0	2249.5	
36 Hexane	57	2.785	2.786	-0.001	93	1455955	200.0	153.2	
37 Isopropyl ether	45	2.946	2.946	0.000	96	5355784	200.0	199.5	
38 1,1-Dichloroethane	63	2.980	2.991	-0.011	63	2814245	200.0	191.9	
40 Vinyl acetate	43	2.980	2.991	-0.011	100	7669306	400.0	441.9	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	1290649	NC	NC	
41 Tert-butyl ethyl ether	59	3.208	3.220	-0.012	88	4864386	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	95	414599	250.0	250.0	
43 2,2-Dichloropropane	97	3.403	3.403	0.000	97	486481	200.0	178.1	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	67	1475231	200.0	186.0	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	96	767773	1000.0	864.1	
47 Ethyl acetate	70	3.437	3.449	-0.011	91	302719	400.0	372.7	
46 Methyl acrylate	55	3.494	3.494	0.000	99	1223212	NC	NC	
48 Propionitrile	54	3.551	3.563	-0.012	98	1956804	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	97	651264	200.0	180.8	
50 Tetrahydrofuran	72	3.631	3.643	-0.012	95	337466	400.0	353.3	
54 Methacrylonitrile	67	3.643	3.643	0.000	96	6513066	NC	NC	
51 Chloroform	83	3.688	3.689	-0.001	97	2485465	200.0	190.3	
53 Cyclohexane	84	3.803	3.803	0.000	95	1847552	200.0	172.6	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	2165571	200.0	186.1	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	201595	50.0	47.8	
57 Carbon tetrachloride	117	3.928	3.929	-0.001	98	1809078	200.0	186.2	
58 1,1-Dichloropropene	75	3.951	3.963	-0.012	94	1975615	200.0	183.6	
61 Isobutyl alcohol	43	4.066	4.089	-0.023	97	2370097	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	99	3707446	NC	NC	
59 Benzene	78	4.134	4.134	0.000	97	5833495	200.0	187.9	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	96	259792	50.0	49.4	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	94	4492823	NC	NC	
66 Isopropyl acetate	87	4.191	4.191	0.000	96	1323622	200.0	197.0	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	1954225	200.0	182.3	
65 n-Heptane	57	4.283	4.283	0.000	95	674024	200.0	164.2	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	791389	50.0	50.0	
70 n-Butanol	56	4.729	4.763	-0.034	90	754192	5000.0	5540.3	
69 Trichloroethene	95	4.763	4.774	-0.011	98	1394754	200.0	189.7	
72 Methylcyclohexane	83	4.877	4.877	0.000	86	2014788	200.0	179.0	
71 Ethyl acrylate	99	4.877	4.889	-0.012	97	200011	200.0	189.3	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	88	1561714	200.0	192.6	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	48	18397	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	94	760338	400.0	408.6	
78 1,4-Dioxane	88	5.163	5.174	-0.011	67	225782	4000.0	4046.6	
77 n-Propyl acetate	43	5.186	5.186	0.000	99	2169466	200.0	214.4	
75 Dibromomethane	93	5.186	5.186	0.000	54	829623	200.0	186.5	
76 Dichlorobromomethane	83	5.346	5.346	0.000	99	1941207	200.0	192.8	
34 2-Nitropropane	41	5.677	5.677	0.000	97	984904	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.689	5.700	-0.011	97	827111	200.5	199.8	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	2805677	4000.0	3941.7	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	97	2536016	200.0	191.4	
84 4-Methyl-2-pentanone (MIBK)	43	6.020	6.032	-0.012	98	7034569	1000.0	910.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	910220	50.0	48.3	
83 Toluene	91	6.192	6.192	0.000	93	6068505	200.0	185.8	
85 trans-1,3-Dichloropropene	75	6.592	6.603	-0.011	98	2333977	200.0	194.5	
86 Ethyl methacrylate	69	6.626	6.626	0.000	91	1829263	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.832	-0.012	95	1067352	200.0	199.9	
88 Tetrachloroethene	166	6.866	6.866	0.000	96	1295057	200.0	182.7	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	97	2234814	200.0	193.4	
91 2-Hexanone	43	7.117	7.129	-0.012	98	4620974	1000.0	932.1	
92 n-Butyl acetate	43	7.266	7.277	-0.011	99	2271978	200.0	201.2	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	1355391	200.0	198.2	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	1204925	200.0	189.0	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	49	560789	50.0	50.0	a
95 Chlorobenzene	112	8.077	8.078	-0.001	92	3703047	200.0	192.8	
97 Ethylbenzene	106	8.180	8.180	0.000	99	2047057	200.0	191.1	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.203	-0.011	95	1329773	200.0	198.3	
98 m-Xylene & p-Xylene	106	8.317	8.329	-0.012	98	2508760	200.0	188.6	
100 o-Xylene	106	8.763	8.763	0.000	92	2478222	200.0	191.3	
99 n-Butyl acrylate	73	8.775	8.775	0.000	97	1162365	200.0	200.7	
101 Styrene	104	8.798	8.798	0.000	95	4188504	200.0	197.8	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	90	2713002	200.0	206.9	
103 Bromoform	173	9.015	9.015	0.000	57	874691	200.0	197.8	
104 Isopropylbenzene	105	9.140	9.140	0.000	96	6507988	200.0	200.5	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	232980	50.0	48.1	
107 Bromobenzene	156	9.460	9.472	-0.012	95	1431369	200.0	188.9	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	99	1627858	200.0	193.7	
109 N-Propylbenzene	91	9.540	9.541	-0.001	98	8025312	200.0	206.4	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	98	433478	200.0	177.9	
112 trans-1,4-Dichloro-2-butene	53	9.586	9.598	-0.012	90	487679	NC	NC	
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	5367179	200.0	198.5	
113 4-Ethyltoluene	105	9.655	9.655	0.000	98	6544254	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	5312054	200.0	197.4	
110 4-Chlorotoluene	91	9.746	9.758	-0.012	99	4997121	200.0	191.0	
117 Butyl Methacrylate	87	9.826	9.826	0.000	94	1909246	200.0	209.2	
118 tert-Butylbenzene	119	9.986	9.986	0.000	93	4453494	200.0	196.1	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	98	5478134	200.0	205.3	
120 sec-Butylbenzene	105	10.181	10.181	-0.001	99	6519512	200.0	205.6	
121 4-Isopropyltoluene	119	10.318	10.306	0.012	98	5676434	200.0	210.4	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	72	2820113	200.0	192.8	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	268762	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	93	2837413	200.0	195.0	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	100	5680951	200.0	205.1	
125 Benzyl chloride	91	10.523	10.523	0.000	98	3281696	200.0	201.0	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	95	5209407	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	93	3262237	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	2660384	200.0	201.8	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	95	2604515	200.0	190.0	
130 1,2,4,5-Tetramethylbenzene	119	11.243	11.244	-0.001	97	4649630	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	96	321532	200.0	182.8	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	1837758	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.906	11.906	0.000	94	1604002	200.0	198.4	
133 Hexachlorobutadiene	225	11.986	11.986	0.000	93	633294	200.0	194.8	
134 Naphthalene	128	12.089	12.089	0.000	99	3989413	200.0	186.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	96	1495442	200.0	197.5	
S 136 1,2-Dichloroethene, Total	100				0		400.0	359.8	
S 137 Xylenes, Total	100				0		400.0	379.9	
S 138 1,3-Dichloropropene, Total	1				0		400.0	385.9	
S 139 Total BTEX	1				0		1000.0	944.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

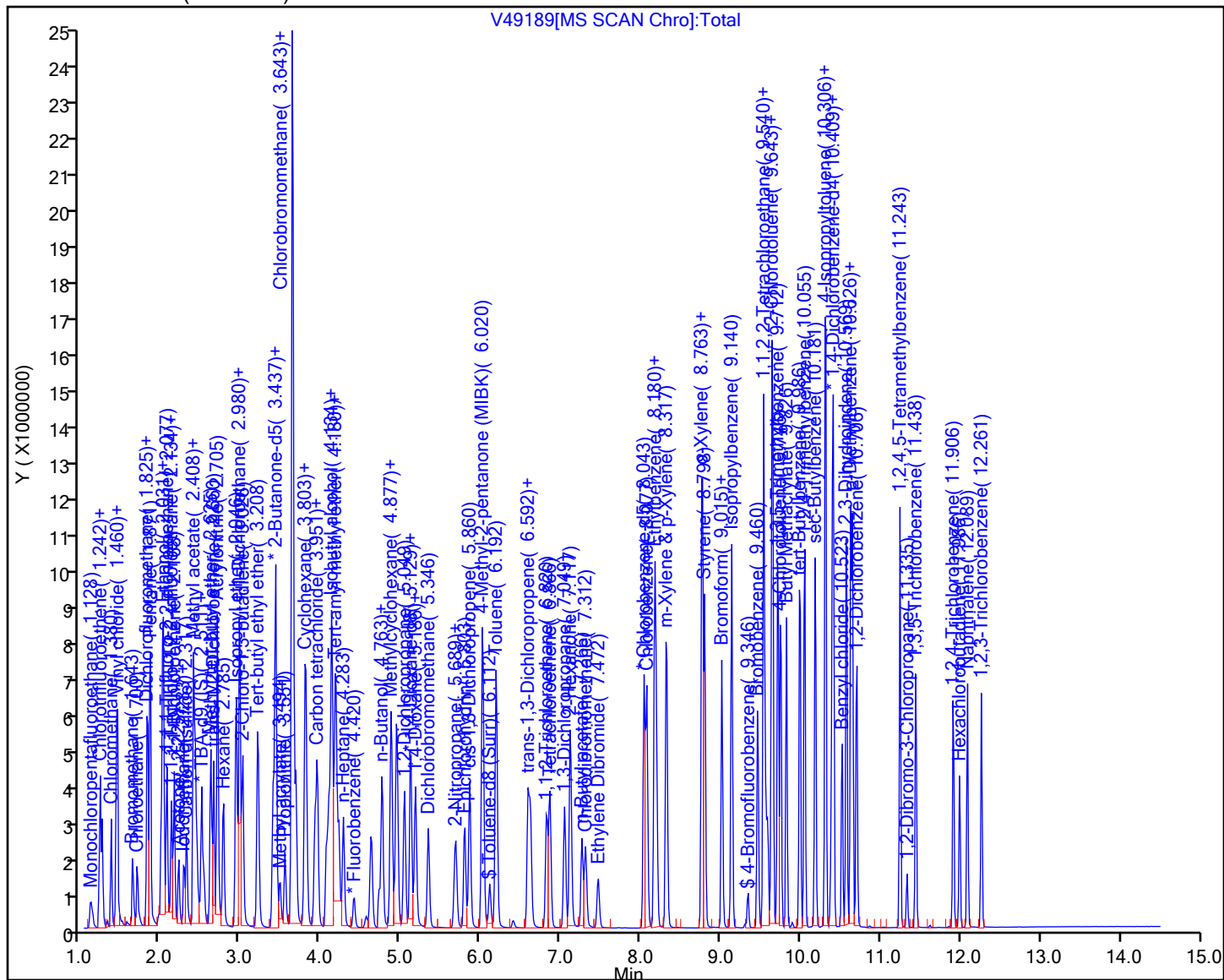
Review Flags

a - User Assigned ID

Reagents:

7 Freons Hi_00009	Amount Added: 20.00	Units: uL	
MIX 2 Hi_00143	Amount Added: 20.00	Units: uL	
MIX I Hi_00171	Amount Added: 20.00	Units: uL	
Ethanol mix_00084	Amount Added: 20.00	Units: uL	
ACROLEIN W_00164	Amount Added: 20.00	Units: uL	
GAS Hi_00459	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49189.D
Injection Date: 05-Jan-2024 02:02:30 Instrument ID: CVOAMS7
Lims ID: STD200
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

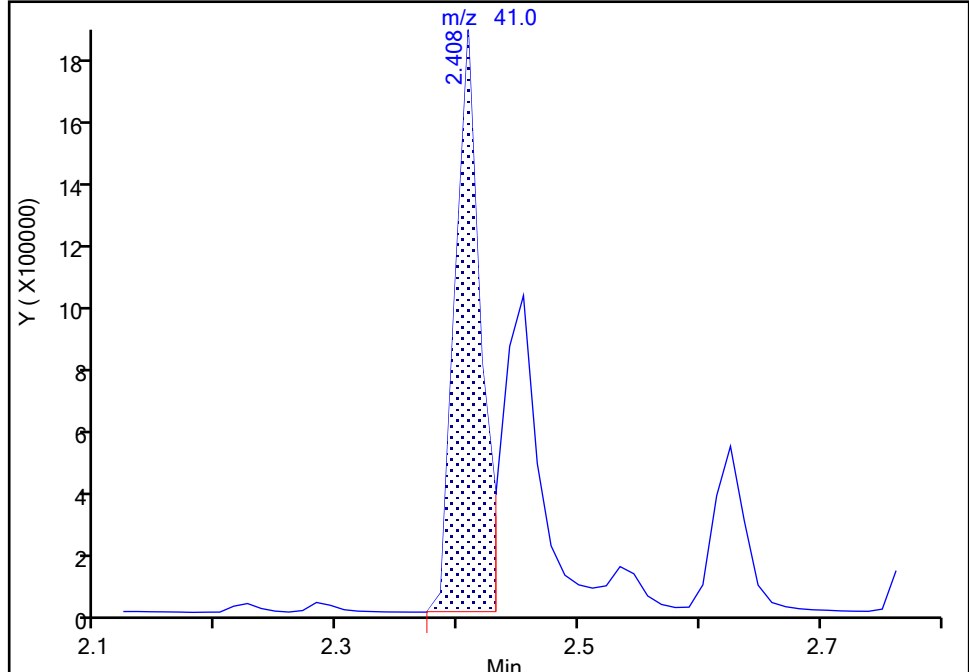
ALS Bottle#: 58 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

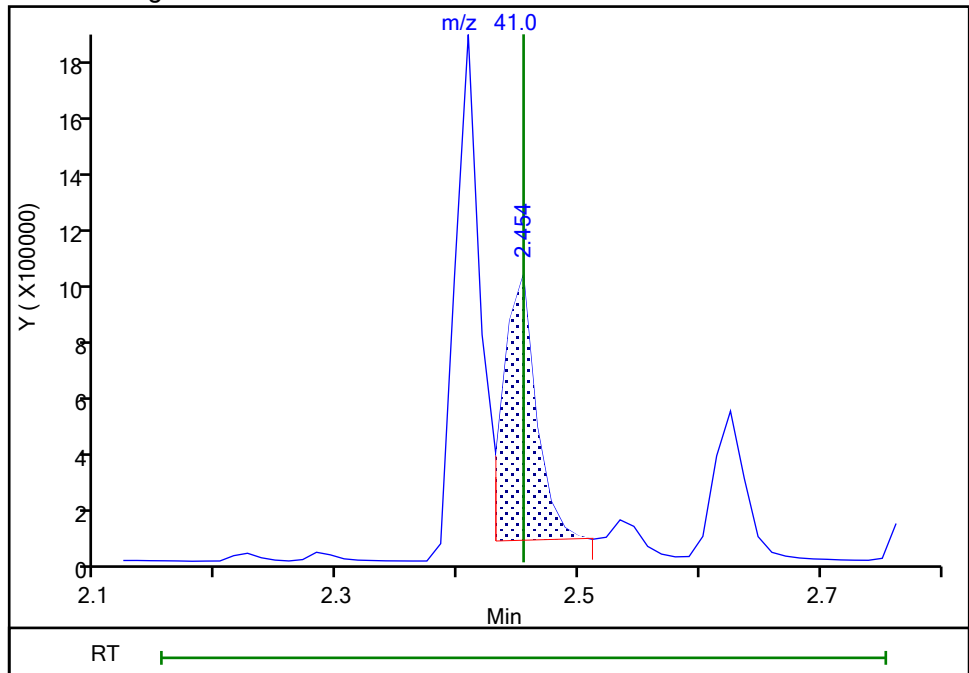
RT: 2.41
Area: 2791268
Amount: 2117.7584
Amount Units: ug/l

Processing Integration Results



RT: 2.45
Area: 1791387
Amount: 2196.9680
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:34:05 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49189.D

Injection Date: 05-Jan-2024 02:02:30

Instrument ID: CVOAMS7

Lims ID: STD200

Client ID:

Operator ID:

ALS Bottle#:

58

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS Quad

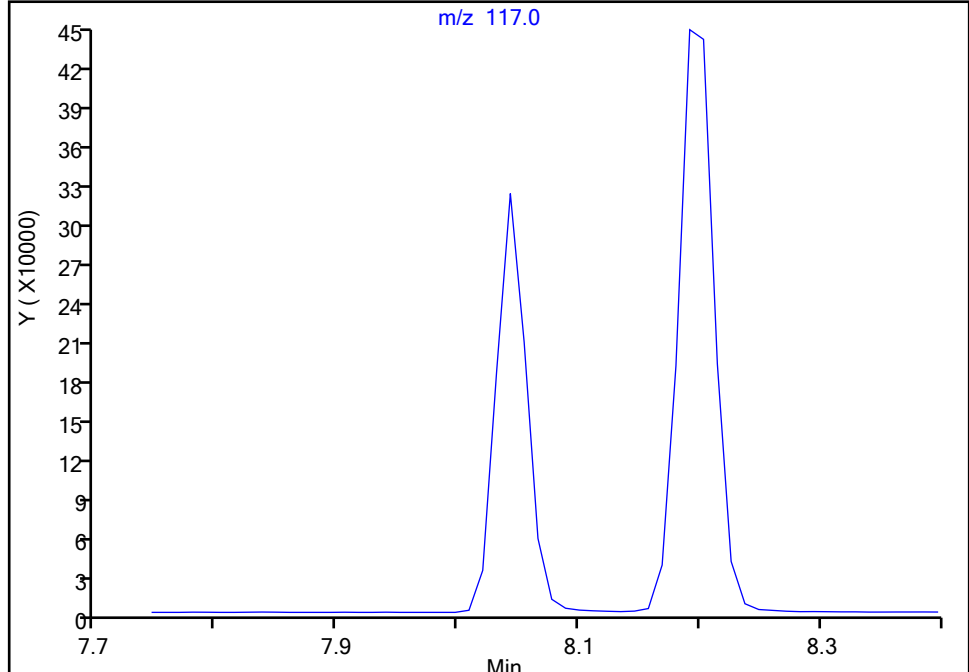
* 94 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

Not Detected

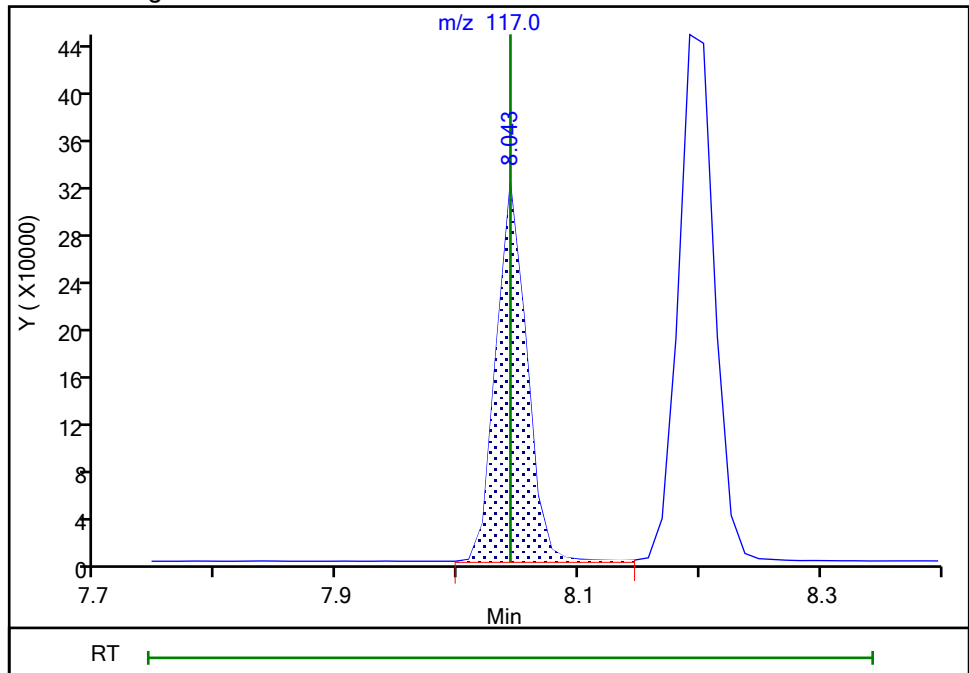
Expected RT: 8.04

Processing Integration Results



RT: 8.04
Area: 560789
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:33:46 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 05-Jan-2024 02:23:30 ALS Bottle#: 59 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0170980-010
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:44 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 07:33:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.163	1.151	0.012	61	77933	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	95	789811	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	92	1642593	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	100	4657752	500.0	528.3	
2 Chlorodifluoromethane	67	1.266	1.265	0.001	100	680666	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	5350764	500.0	512.3	
7 Vinyl chloride	62	1.437	1.437	0.000	99	5337731	500.0	498.4	
8 Butadiene	54	1.460	1.460	0.000	98	5413609	500.0	535.5	M
9 Bromomethane	94	1.643	1.654	-0.011	99	3030095	500.0	608.2	
10 Chloroethane	64	1.700	1.711	-0.011	100	3310838	500.0	494.1	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	99	8014468	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	5345256	500.0	495.2	
13 Pentane	72	1.871	1.871	0.000	97	1040716	1000.0	796.6	
17 Ethanol	46	1.974	1.974	0.000	95	552773	20000	17408	M
14 Ethyl ether	74	2.009	2.008	0.001	95	2087372	500.0	431.3	
15 2-Methyl-1,3-butadiene	53	2.020	2.020	0.000	95	3533373	500.0	446.9	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	96	3084762	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	5272912	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	96	2909128	500.0	439.1	
52 Acrolein	56	2.146	2.146	0.000	96	309416	400.0	500.3	
20 1,1-Dichloroethene	96	2.169	2.168	0.001	94	2710645	500.0	427.3	
23 Acetone	43	2.226	2.226	0.000	85	7646771	2500.0	3208.4	
21 Iodomethane	142	2.294	2.294	0.000	98	3056100	500.0	481.4	
24 Isopropyl alcohol	45	2.294	2.294	0.000	93	1702313	5000.0	4081.3	a
22 Carbon disulfide	76	2.317	2.317	0.000	100	7197556	500.0	282.2	
30 Methyl acetate	43	2.409	2.408	0.001	98	5364463	1000.0	949.7	
26 3-Chloro-1-propene	76	2.409	2.408	0.001	91	2185024	500.0	432.5	
25 Cyclopentene	67	2.431	2.431	0.000	94	7260135	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	99	4951639	5000.0	6099.8	a
* 28 TBA-d9 (IS)	66	2.489	2.488	0.001	98	53677	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	97	3367995	500.0	452.3	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	98	2912736	5000.0	3488.1	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	97	11018118	500.0	488.5	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	3214620	500.0	434.0	
35 Acrylonitrile	53	2.717	2.706	0.011	95	14408886	5000.0	5798.4	
36 Hexane	57	2.786	2.786	0.000	94	3746466	500.0	381.0	a
37 Isopropyl ether	45	2.946	2.946	0.000	98	13976222	500.0	503.3	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	70	7494293	500.0	493.9	
40 Vinyl acetate	43	2.980	2.991	-0.011	99	17670598	1000.0	1022.8	e
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	3333945	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	88	12565997	NC	NC	
* 42 2-Butanone-d5	46	3.392	3.391	0.001	92	412759	250.0	250.0	
43 2,2-Dichloropropane	97	3.414	3.403	0.011	97	1252680	500.0	443.2	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	88	3944250	500.0	480.6	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	96	2328470	2500.0	2632.4	
47 Ethyl acetate	70	3.437	3.449	-0.011	96	786089	1000.0	970.4	
46 Methyl acrylate	55	3.494	3.494	0.000	99	3040424	NC	NC	
48 Propionitrile	54	3.563	3.563	0.000	98	4909416	NC	NC	
50 Tetrahydrofuran	72	3.643	3.643	0.000	87	888712	1000.0	899.3	
54 Methacrylonitrile	67	3.643	3.643	0.000	90	16316934	NC	NC	e
49 Chlorobromomethane	128	3.643	3.643	0.000	99	1651848	500.0	443.3	
51 Chloroform	83	3.689	3.689	0.000	97	6618318	500.0	489.8	
53 Cyclohexane	84	3.803	3.803	0.000	94	4827875	500.0	435.8	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	5694235	500.0	473.1	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	217652	50.0	49.9	
57 Carbon tetrachloride	117	3.929	3.929	0.000	98	4708083	500.0	468.5	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	95	5181688	500.0	465.5	
61 Isobutyl alcohol	43	4.077	4.089	-0.012	94	5822519	NC	NC	
64 Isooctane	57	4.112	4.100	0.012	99	9729536	NC	NC	
59 Benzene	78	4.134	4.134	0.000	96	15756168	500.0	500.9	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	87	286480	50.0	52.6	
62 Tert-amyl methyl ether	73	4.192	4.191	0.001	93	12089354	NC	NC	
66 Isopropyl acetate	87	4.192	4.191	0.001	97	3423416	500.0	492.4	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	5176871	500.0	466.7	
65 n-Heptane	57	4.283	4.283	0.000	96	1757480	500.0	413.9	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	818751	50.0	50.0	
70 n-Butanol	56	4.729	4.763	-0.034	90	1904341	12500	13117	
69 Trichloroethene	95	4.763	4.774	-0.011	98	3643751	500.0	479.1	
72 Methylcyclohexane	83	4.889	4.877	0.012	94	5192196	500.0	445.8	
71 Ethyl acrylate	99	4.877	4.889	-0.012	97	496946	500.0	454.6	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	89	4061442	500.0	484.3	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	45	14867	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	94	1892583	1000.0	983.0	
78 1,4-Dioxane	88	5.175	5.174	0.001	84	591744	10000	13124	
77 n-Propyl acetate	43	5.186	5.186	0.000	99	5418562	500.0	517.6	
75 Dibromomethane	93	5.186	5.186	0.000	97	2127128	500.0	462.2	
76 Dichlorobromomethane	83	5.346	5.346	0.000	99	5018572	500.0	481.7	
34 2-Nitropropane	41	5.677	5.677	0.000	97	2376014	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.689	5.700	-0.011	88	2147478	501.2	501.3	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	7093590	10000	10010	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	97	6575992	500.0	489.9	
84 4-Methyl-2-pentanone (MIBK)	43	6.032	6.032	0.000	98	17833958	2500.0	2319.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	973358	50.0	50.9	
83 Toluene	91	6.192	6.192	0.000	93	16110227	500.0	486.8	
85 trans-1,3-Dichloropropene	75	6.592	6.603	-0.011	98	5970312	500.0	491.0	
86 Ethyl methacrylate	69	6.626	6.626	0.000	91	4608062	NC	NC	
87 1,1,2-Trichloroethane	83	6.832	6.832	0.000	94	2697476	500.0	498.5	
88 Tetrachloroethene	166	6.866	6.866	0.000	96	3382516	500.0	471.0	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	96	5657232	500.0	483.3	
91 2-Hexanone	43	7.129	7.129	0.000	98	12500675	2500.0	2532.8	
92 n-Butyl acetate	43	7.266	7.277	-0.011	99	5497721	500.0	480.4	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	3443741	500.0	497.0	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	3028334	500.0	468.8	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	41	568241	50.0	50.0	a
95 Chlorobenzene	112	8.078	8.078	0.000	93	9722059	500.0	499.6	
97 Ethylbenzene	106	8.181	8.180	0.001	99	5374932	500.0	495.2	e
96 1,1,1,2-Tetrachloroethane	131	8.203	8.203	0.000	95	3433617	500.0	505.2	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	97	6584706	500.0	488.5	a
100 o-Xylene	106	8.763	8.763	0.000	93	6504847	500.0	495.5	
99 n-Butyl acrylate	73	8.775	8.775	0.000	97	2954640	500.0	503.4	
101 Styrene	104	8.798	8.798	0.000	95	11132762	500.0	519.0	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	89	6862969	500.0	521.4	
103 Bromoform	173	9.015	9.015	0.000	57	2281731	500.0	509.2	
104 Isopropylbenzene	105	9.141	9.140	0.001	98	14791587	500.0	449.7	e
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	242661	50.0	49.4	
107 Bromobenzene	156	9.461	9.472	-0.011	96	3736711	500.0	491.3	
108 1,1,2,2-Tetrachloroethane	83	9.541	9.529	0.012	98	4188656	500.0	496.6	
109 N-Propylbenzene	91	9.541	9.541	0.000	98	15649270	500.0	401.0	e
115 1,2,3-Trichloropropane	110	9.575	9.563	0.012	99	1088273	500.0	444.9	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	94	1268980	NC	NC	
114 2-Chlorotoluene	91	9.644	9.643	0.001	98	13530910	500.0	498.6	e
113 4-Ethyltoluene	105	9.655	9.655	0.000	93	14671210	NC	NC	e
116 1,3,5-Trimethylbenzene	105	9.724	9.712	0.012	95	13150513	500.0	487.0	e
110 4-Chlorotoluene	91	9.758	9.758	0.000	98	13479551	500.0	513.2	e
117 Butyl Methacrylate	87	9.826	9.826	0.000	94	5038367	500.0	550.0	
118 tert-Butylbenzene	119	9.998	9.986	0.012	93	11886390	500.0	521.5	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	96	12933133	500.0	483.0	e
120 sec-Butylbenzene	105	10.181	10.181	0.000	96	13963602	500.0	438.7	e
121 4-Isopropyltoluene	119	10.318	10.306	0.012	94	13497462	500.0	498.4	e
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	83	7934247	500.0	540.4	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	269773	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	94	7867478	500.0	538.6	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	97	13481374	500.0	485.0	e
125 Benzyl chloride	91	10.524	10.523	0.001	98	8596313	500.0	524.7	
111 2,3-Dihydroindene	117	10.581	10.569	0.012	96	12964258	NC	NC	e
126 p-Diethylbenzene	119	10.627	10.626	0.000	94	8923680	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	94	7470108	500.0	564.5	
128 1,2-Dichlorobenzene	146	10.707	10.706	0.001	95	7097588	500.0	515.7	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	99	11040488	NC	NC	e
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	97	798193	500.0	452.0	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	4735387	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.907	11.906	0.001	93	4277069	500.0	526.9	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	93	1601596	500.0	490.8	
134 Naphthalene	128	12.090	12.089	0.001	99	10301299	500.0	479.3	e

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	95	3872632	500.0	509.6	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	914.5	
S 137 Xylenes, Total	100				0		1000.0	984.0	
S 138 1,3-Dichloropropene, Total	1				0		1000.0	980.8	
S 139 Total BTEX	1				0		2500.0	2466.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

7 Freons Hi_00009	Amount Added: 50.00	Units: uL	
MIX 2 Hi_00143	Amount Added: 50.00	Units: uL	
MIX I Hi_00171	Amount Added: 50.00	Units: uL	
Ethanol mix_00084	Amount Added: 50.00	Units: uL	
ACROLEIN W_00164	Amount Added: 40.00	Units: uL	
GAS Hi_00459	Amount Added: 50.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D

Injection Date: 05-Jan-2024 02:23:30

Instrument ID: CVOAMS7

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

59

Worklist Smp#:

10

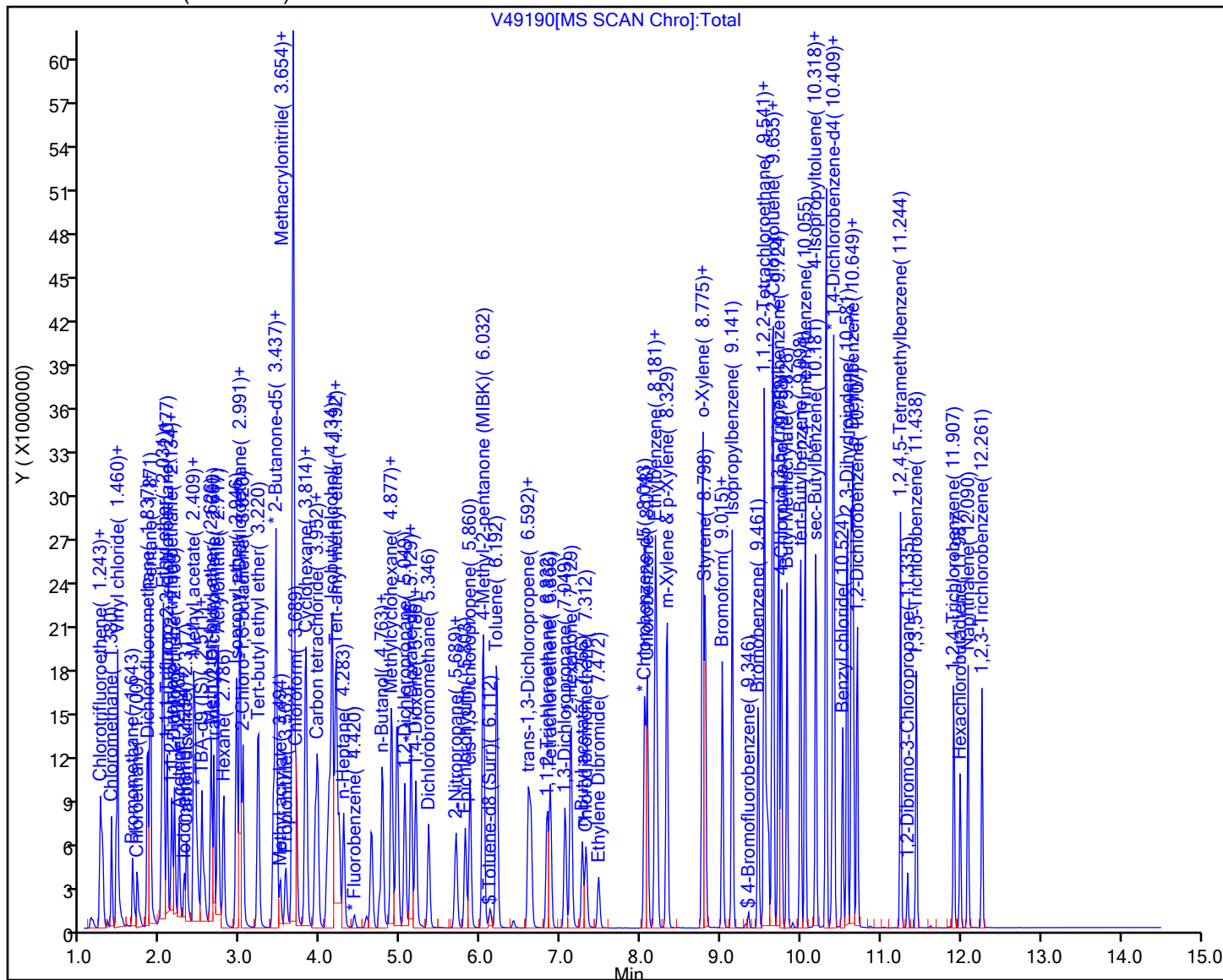
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

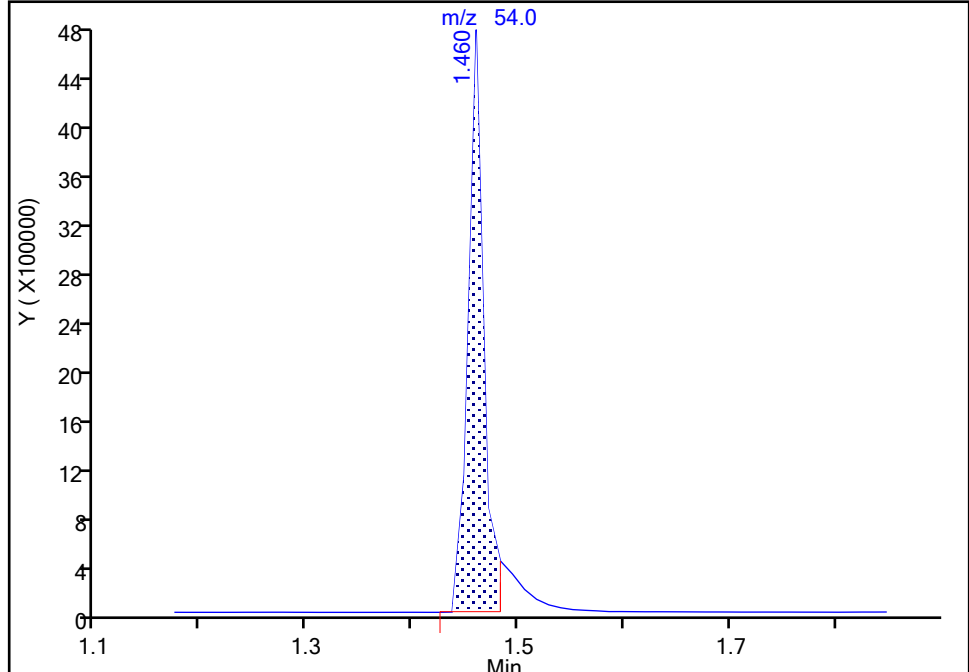
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

8 Butadiene, CAS: 106-99-0

Signal: 1

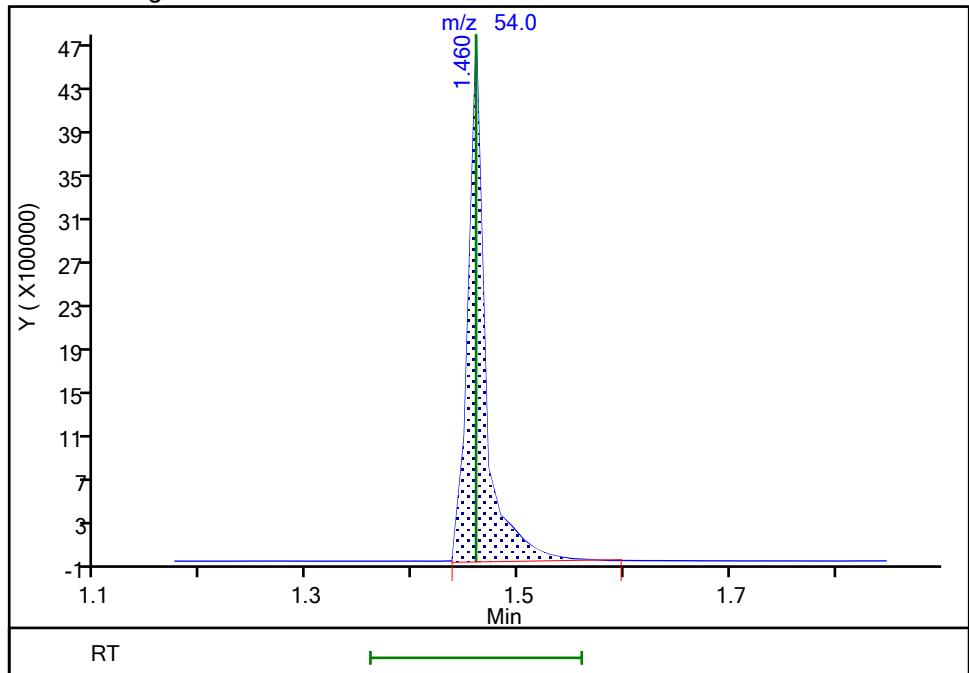
RT: 1.46
Area: 4898555
Amount: 148.8635
Amount Units: ug/l

Processing Integration Results



RT: 1.46
Area: 5413609
Amount: 535.4768
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:35:54 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

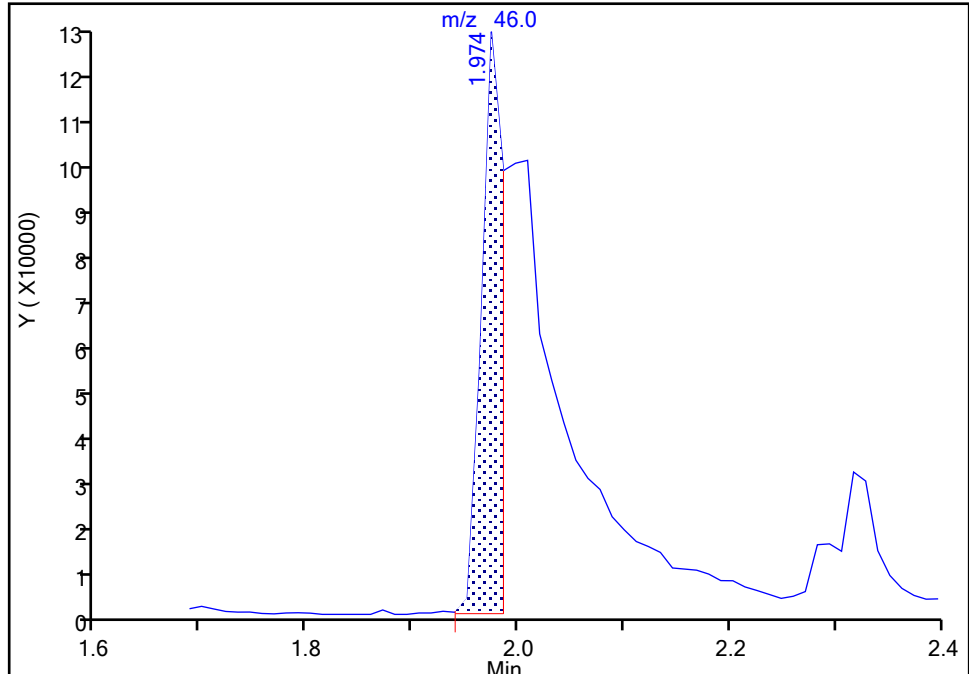
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

17 Ethanol, CAS: 64-17-5

Signal: 1

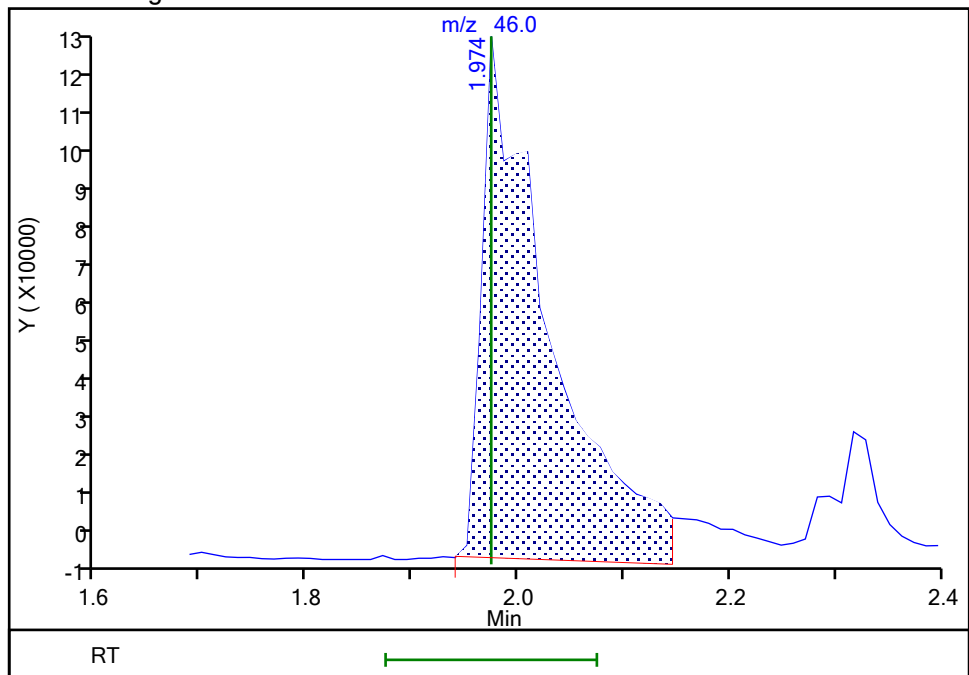
RT: 1.97
Area: 188512
Amount: 6706.0805
Amount Units: ug/l

Processing Integration Results



RT: 1.97
Area: 552773
Amount: 17408
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:43:38 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

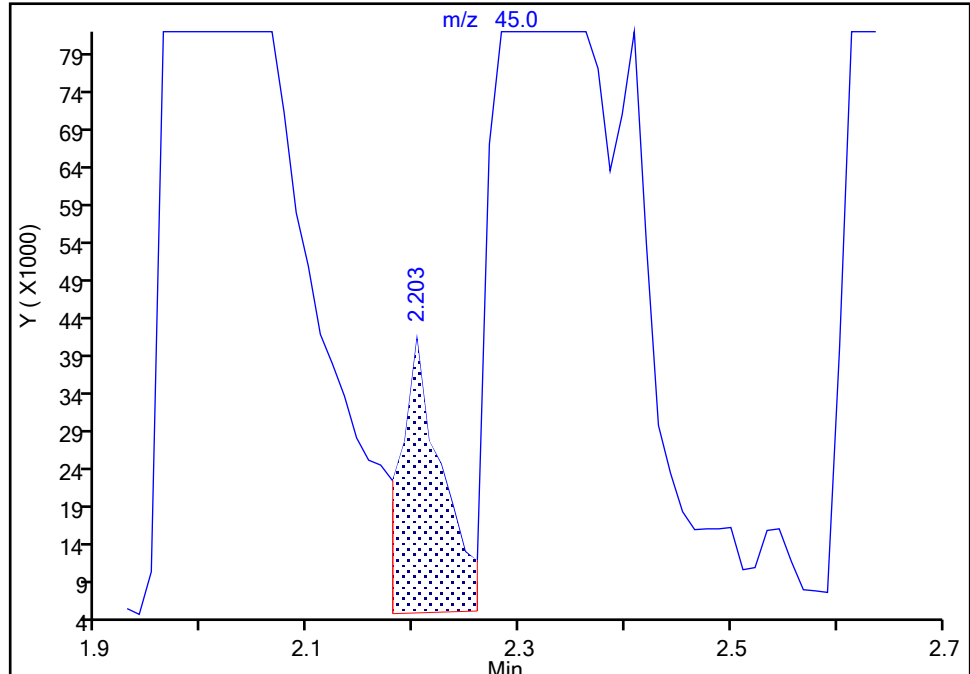
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

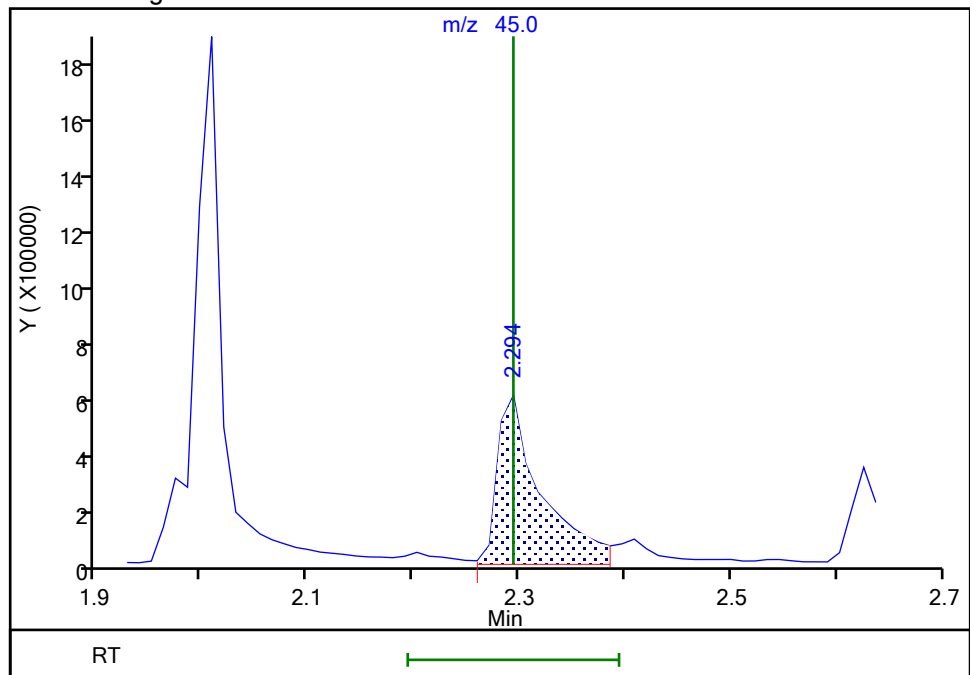
RT: 2.20
Area: 100786
Amount: 277.1043
Amount Units: ug/l

Processing Integration Results



RT: 2.29
Area: 1702313
Amount: 4081.3494
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:45:25 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

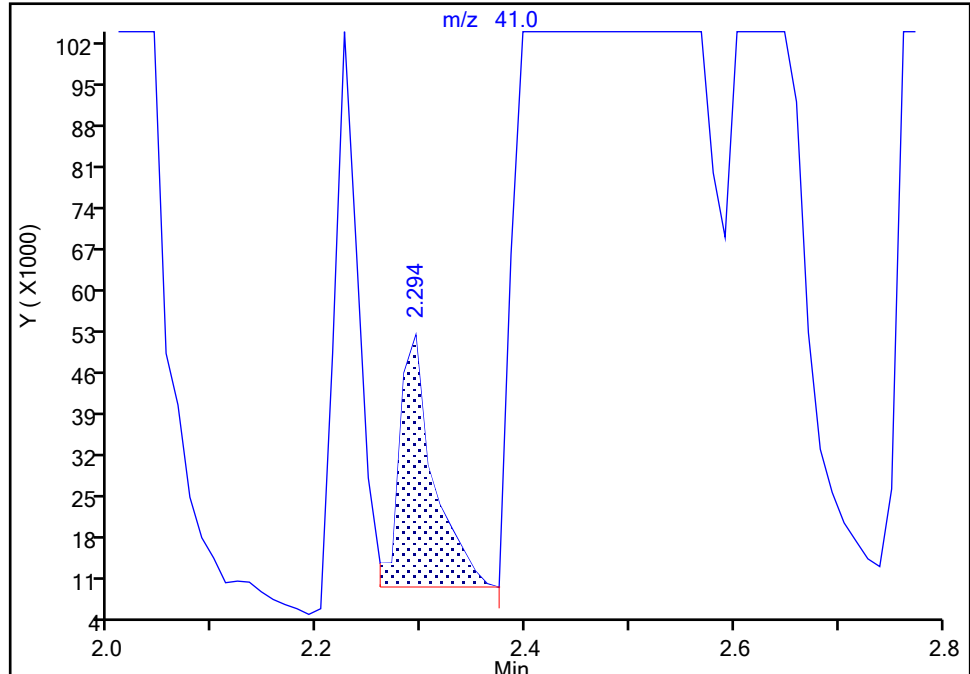
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

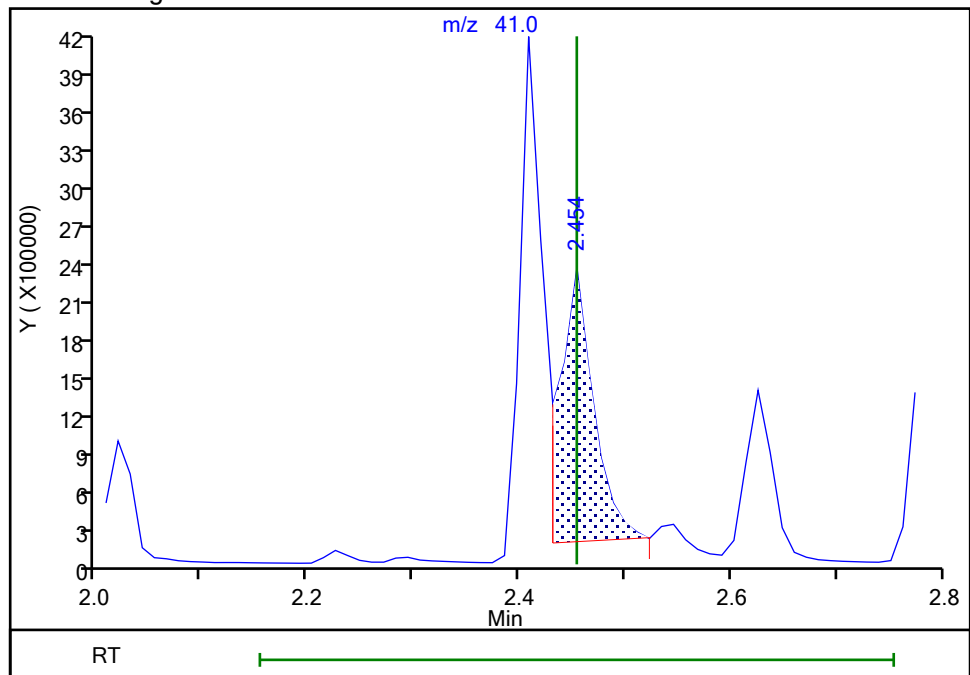
RT: 2.29
Area: 97617
Amount: 141.5544
Amount Units: ug/l

Processing Integration Results



RT: 2.45
Area: 4951639
Amount: 6099.7914
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:45:32 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

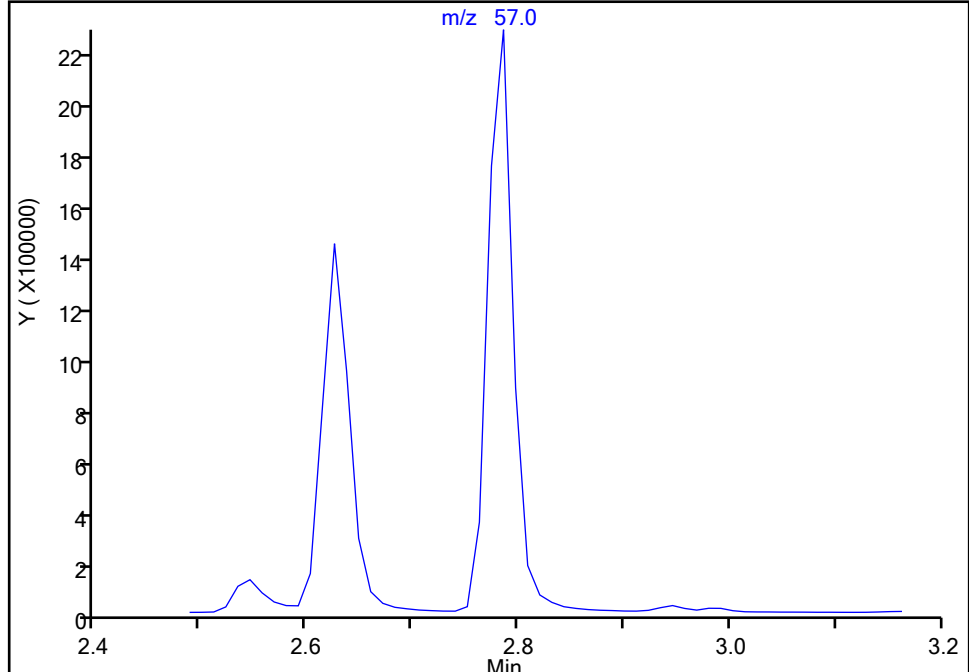
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

36 Hexane, CAS: 110-54-3

Signal: 1

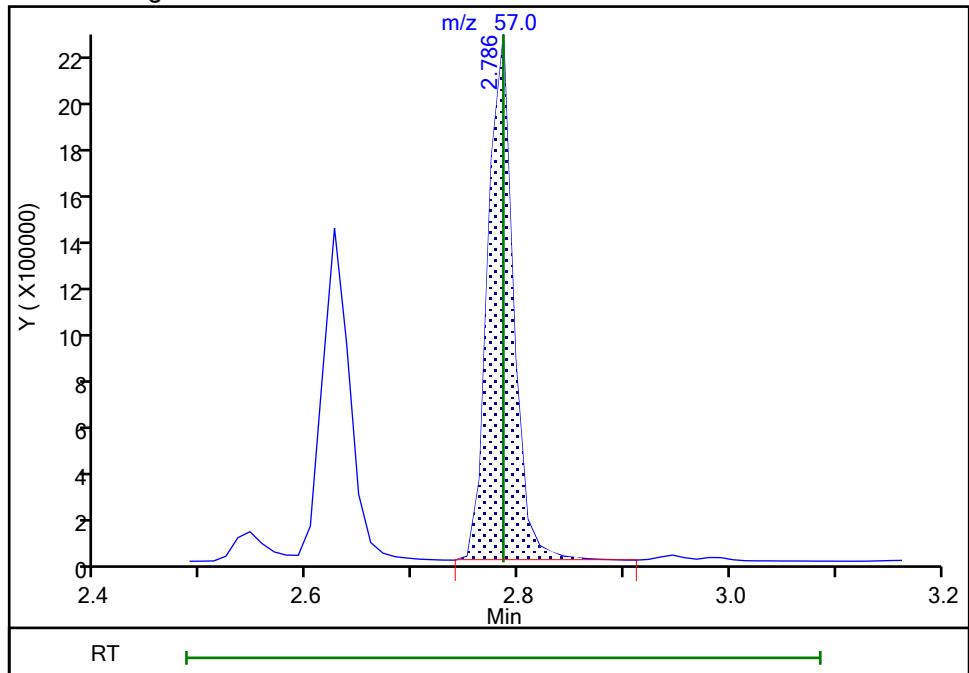
Not Detected
Expected RT: 2.79

Processing Integration Results



RT: 2.79
Area: 3746466
Amount: 381.0408
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:36:21 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D

Injection Date: 05-Jan-2024 02:23:30

Instrument ID: CVOAMS7

Lims ID: STD500

Client ID:

Operator ID:

ALS Bottle#:

59

Worklist Smp#:

10

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

MS Quad

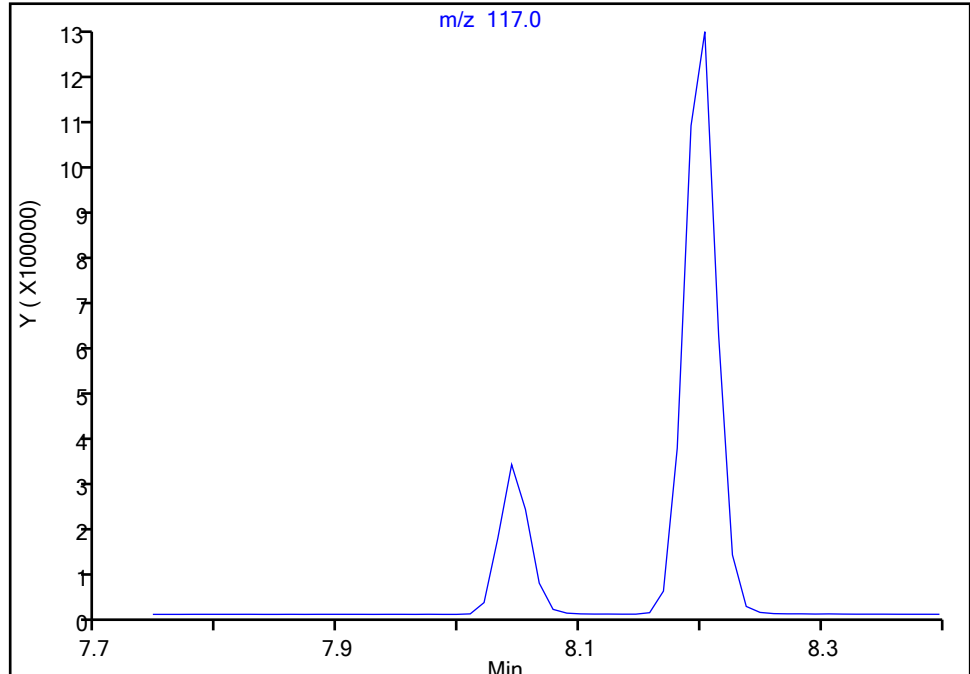
* 94 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

Not Detected

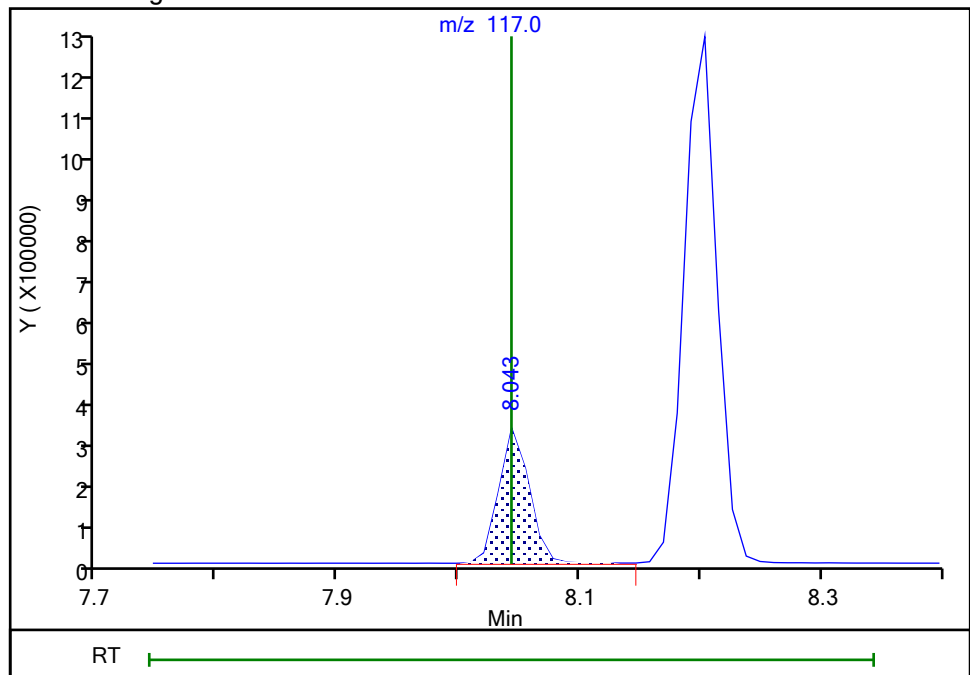
Expected RT: 8.04

Processing Integration Results



RT: 8.04
Area: 568241
Amount: 50.000000
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:36:00 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49190.D
Injection Date: 05-Jan-2024 02:23:30 Instrument ID: CVOAMS7
Lims ID: STD500
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

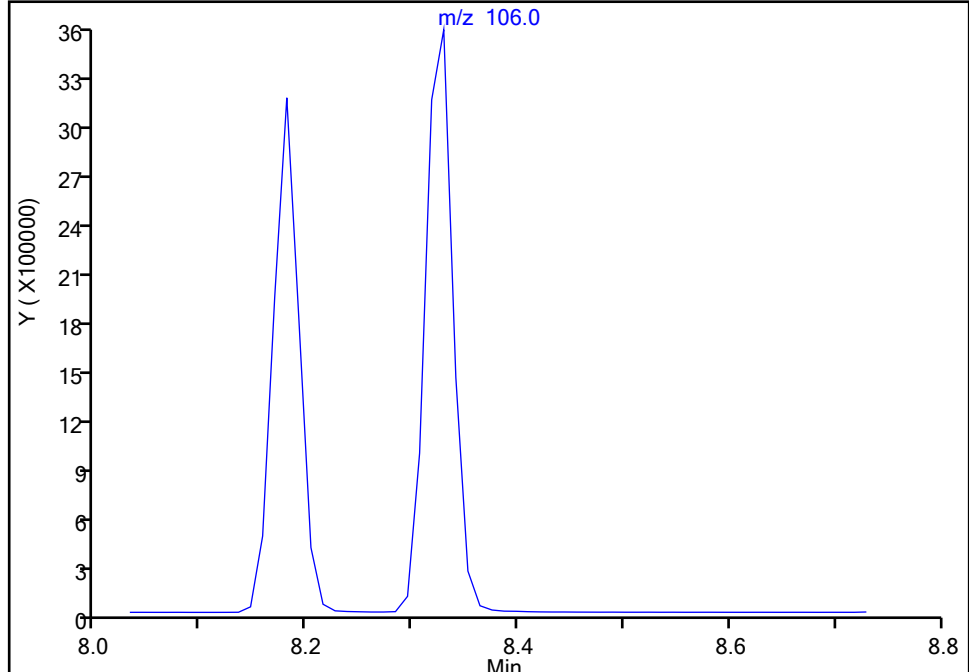
ALS Bottle#: 59 Worklist Smp#: 10
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

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

Signal: 1

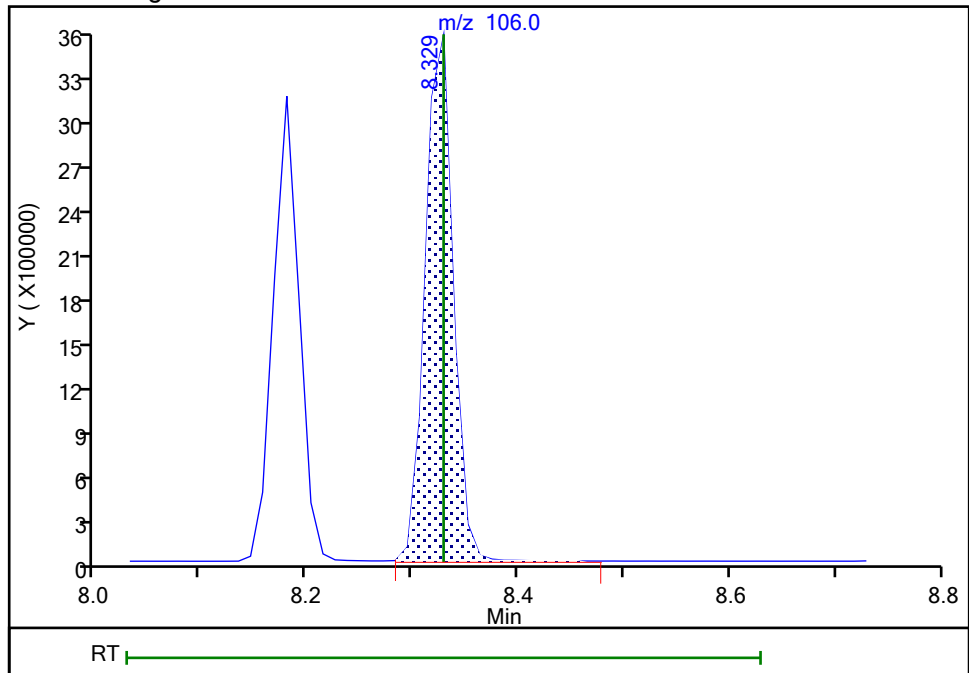
Not Detected
Expected RT: 8.33

Processing Integration Results



RT: 8.33
Area: 6584706
Amount: 488.5366
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:36:48 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 05-Jan-2024 09:04:30 ALS Bottle#: 65 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: BLK
 Misc. Info.: 460-0170980-016
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 22-Jan-2024 07:24:51 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1632

First Level Reviewer: K0HS

Date: 05-Jan-2024 10:12:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	57	1355	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	93	3610	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	66	7184	1.00	0.9785	M
2 Chlorodifluoromethane	67	1.266	1.265	0.001	100	1296	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	99	8981	1.00	1.03	
7 Vinyl chloride	62	1.437	1.437	0.000	98	9033	1.00	1.01	
8 Butadiene	54	1.460	1.460	0.000	94	8210	1.00	0.9752	
9 Bromomethane	94	1.654	1.654	0.000	92	4131	1.00	1.00	
10 Chloroethane	64	1.711	1.711	0.000	97	6175	1.00	1.11	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	97	14608	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	95	8172	1.00	0.9092	
13 Pentane	72	1.871	1.871	0.000	97	2392	2.00	2.20	
17 Ethanol	46	1.986	1.974	0.012	73	2325	40.0	112.6	
14 Ethyl ether	74	2.008	2.008	0.000	96	5432	1.00	1.35	
15 2-Methyl-1,3-butadiene	53	2.031	2.020	0.011	85	7318	1.00	1.11	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.043	2.031	0.012	85	6192	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	95	8235	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	83	6079	1.00	1.10	
52 Acrolein	56	2.157	2.146	0.011	27	1449	4.00	2.81	M
20 1,1-Dichloroethene	96	2.168	2.168	0.000	98	5743	1.00	1.09	
23 Acetone	43	2.237	2.226	0.011	83	9489	5.00	5.39	M
21 Iodomethane	142	2.294	2.294	0.000	98	2217	1.00	1.02	
24 Isopropyl alcohol	45	2.306	2.294	0.012	30	3566	10.0	13.2	M
22 Carbon disulfide	76	2.317	2.317	0.000	100	23505	1.00	1.11	
30 Methyl acetate	43	2.420	2.408	0.012	75	11388	2.00	2.42	
26 3-Chloro-1-propene	76	2.409	2.408	0.000	87	4827	1.00	1.15	
25 Cyclopentene	67	2.431	2.431	0.000	94	12851	NC	NC	
27 Acetonitrile	41	2.489	2.454	0.034	22	4049	10.0	6.75	a
* 28 TBA-d9 (IS)	66	2.489	2.488	0.000	99	34892	1000.0	1000.0	
29 Methylene Chloride	84	2.511	2.511	0.000	96	7016	1.00	1.13	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	98	7129	10.0	13.1	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	98	19873	1.00	1.06	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	95	7535	1.00	1.22	
35 Acrylonitrile	53	2.729	2.706	0.023	92	21343	10.0	10.3	M
36 Hexane	57	2.786	2.786	0.000	89	7728	1.00	0.9439	
37 Isopropyl ether	45	2.946	2.946	0.000	98	22987	1.00	0.99	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	98	12615	1.00	1.00	
40 Vinyl acetate	43	3.014	2.991	0.023	100	18449	2.00	1.45	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	91	5583	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	92	21128	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	100	304823	250.0	250.0	M
43 2,2-Dichloropropane	97	3.403	3.403	0.000	47	2891	1.00	1.23	
45 cis-1,2-Dichloroethene	96	3.449	3.437	0.012	89	7296	1.00	1.07	
44 2-Butanone (MEK)	72	3.449	3.437	0.012	71	3375	5.00	5.17	
47 Ethyl acetate	70	3.460	3.449	0.012	95	503	2.00	1.97	
46 Methyl acrylate	55	3.517	3.494	0.023	68	3828	NC	NC	
48 Propionitrile	54	3.586	3.563	0.023	88	6883	NC	NC	
54 Methacrylonitrile	67	3.666	3.643	0.023	94	24834	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	93	3839	1.00	1.24	
50 Tetrahydrofuran	72	3.654	3.643	0.011	32	2106	2.00	2.56	a
51 Chloroform	83	3.689	3.689	0.000	98	11757	1.00	1.04	
53 Cyclohexane	84	3.803	3.803	0.000	94	8776	1.00	0.9514	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	96	11085	1.00	1.11	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	97	185335	50.0	51.0	
57 Carbon tetrachloride	117	3.929	3.929	0.000	93	8468	1.00	1.01	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	90	9508	1.00	1.03	
61 Isobutyl alcohol	43	4.112	4.089	0.023	54	4343	NC	NC	Ma
64 Isooctane	57	4.112	4.100	0.012	97	16064	NC	NC	
59 Benzene	78	4.146	4.134	0.012	95	26503	1.00	0.99	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	222368	50.0	49.1	
62 Tert-amyl methyl ether	73	4.192	4.191	0.001	83	21345	NC	NC	
66 Isopropyl acetate	87	4.192	4.191	0.001	83	6272	1.00	1.08	a
63 1,2-Dichloroethane	62	4.237	4.226	0.011	95	11160	1.00	1.21	
65 n-Heptane	57	4.283	4.283	0.000	90	3123	1.00	0.8832	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	681779	50.0	50.0	
69 Trichloroethene	95	4.774	4.774	0.000	93	6224	1.00	0.9828	
72 Methylcyclohexane	83	4.877	4.877	0.000	93	8879	1.00	0.9155	
71 Ethyl acrylate	99	4.923	4.889	0.034	79	970	1.00	1.07	M
73 1,2-Dichloropropane	63	5.049	5.049	0.000	86	7433	1.00	1.06	
* 68 1,4-Dioxane-d8	96	5.129	5.117	0.012	92	23888	1000.0	1000.0	M
74 Methyl methacrylate	100	5.152	5.129	0.023	90	2651	2.00	1.65	
78 1,4-Dioxane	88	5.197	5.174	0.023	83	5195	50.0	71.7	
77 n-Propyl acetate	43	5.232	5.186	0.046	97	7323	1.00	0.8401	M
75 Dibromomethane	93	5.186	5.186	0.000	92	4498	1.00	1.17	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	9743	1.00	1.12	
34 2-Nitropropane	41	5.689	5.677	0.012	94	7615	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.723	5.700	0.023	75	3846	1.00	1.08	
80 Epichlorohydrin	57	5.826	5.803	0.023	96	11730	20.0	22.4	
81 cis-1,3-Dichloropropene	75	5.872	5.860	0.012	96	11527	1.00	1.01	
84 4-Methyl-2-pentanone (MIBK)	43	6.043	6.032	0.011	95	27950	5.00	4.92	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	788228	50.0	48.5	
83 Toluene	91	6.203	6.192	0.011	96	29284	1.00	1.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.603	6.603	0.000	96	10388	1.00	1.00	
86 Ethyl methacrylate	69	6.660	6.626	0.034	84	5927	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.832	-0.012	90	4065	1.00	0.8830	
88 Tetrachloroethene	166	6.866	6.866	0.000	93	6504	1.00	1.06	
89 1,3-Dichloropropane	76	7.060	7.049	0.011	95	9889	1.00	0.99	
91 2-Hexanone	43	7.163	7.129	0.034	96	16452	5.00	4.51	
92 n-Butyl acetate	43	7.323	7.277	0.046	76	11123	1.00	1.14	M
90 Chlorodibromomethane	129	7.312	7.312	0.000	97	5729	1.00	0.9719	
93 Ethylene Dibromide	107	7.483	7.472	0.011	98	5795	1.00	1.05	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	90	483404	50.0	50.0	
95 Chlorobenzene	112	8.089	8.078	0.011	96	16229	1.00	0.9803	
97 Ethylbenzene	106	8.192	8.180	0.012	99	9577	1.00	1.04	
96 1,1,1,2-Tetrachloroethane	131	8.203	8.203	0.000	90	5483	1.00	0.9483	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	98	12150	1.00	1.06	
100 o-Xylene	106	8.775	8.763	0.012	92	11304	1.00	1.01	
99 n-Butyl acrylate	73	8.798	8.775	0.023	86	5133	1.00	1.03	
101 Styrene	104	8.809	8.798	0.011	94	17617	1.00	0.9653	
102 Amyl acetate (mixed isomers)	43	9.038	9.015	0.023	91	8741	1.00	0.8007	
103 Bromoform	173	9.026	9.015	0.011	71	3668	1.00	0.9623	
104 Isopropylbenzene	105	9.141	9.140	0.001	96	27626	1.00	0.9873	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	204908	50.0	49.1	
107 Bromobenzene	156	9.472	9.472	0.000	95	6348	1.00	1.01	
108 1,1,2,2-Tetrachloroethane	83	9.541	9.529	0.012	55	7224	1.00	1.03	
109 N-Propylbenzene	91	9.552	9.541	0.011	99	31989	1.00	0.9883	
115 1,2,3-Trichloropropane	110	9.575	9.563	0.012	94	2341	1.00	1.15	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	64	2006	NC	NC	
114 2-Chlorotoluene	91	9.644	9.643	0.001	96	21713	1.00	0.9645	
113 4-Ethyltoluene	105	9.655	9.655	0.000	98	26400	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.724	9.712	0.012	90	21495	1.00	0.9596	
110 4-Chlorotoluene	91	9.758	9.758	0.000	96	21119	1.00	0.9694	
117 Butyl Methacrylate	87	9.838	9.826	0.012	95	6634	1.00	0.8731	
118 tert-Butylbenzene	119	9.998	9.986	0.012	89	17373	1.00	0.9190	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	96	21825	1.00	0.9826	
120 sec-Butylbenzene	105	10.192	10.181	0.011	99	25060	1.00	0.9493	
121 4-Isopropyltoluene	119	10.318	10.306	0.012	97	20435	1.00	0.9097	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	93	12027	1.00	0.9875	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	223767	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	95	11959	1.00	0.9871	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	98	23308	1.00	1.01	
125 Benzyl chloride	91	10.524	10.523	0.001	99	12506	1.00	0.9202	
111 2,3-Dihydroindene	117	10.581	10.569	0.012	95	22537	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	94	13284	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	10275	1.00	0.9360	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	91	11880	1.00	1.04	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	97	19985	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	86	1908	1.00	1.30	
132 1,3,5-Trichlorobenzene	180	11.449	11.438	0.011	96	7161	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.918	11.906	0.012	94	6675	1.00	0.99	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	88	2754	1.00	1.02	
134 Naphthalene	128	12.089	12.089	0.000	99	21085	1.00	1.18	
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	93	6654	1.00	1.06	
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		2.00	2.07	
S 138 1,3-Dichloropropene, Total	1				0		2.00	2.01	
S 139 Total BTEX	1				0		5.00	5.14	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00181	Amount Added: 10.00	Units: uL	
ACROLEIN W_00164	Amount Added: 4.00	Units: uL	
524FREONS_00012	Amount Added: 10.00	Units: uL	
GASES Li_00565	Amount Added: 10.00	Units: uL	
14DIOXINTER_00164	Amount Added: 30.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D

Injection Date: 05-Jan-2024 09:04:30

Instrument ID: CVOAMS7

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

65

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

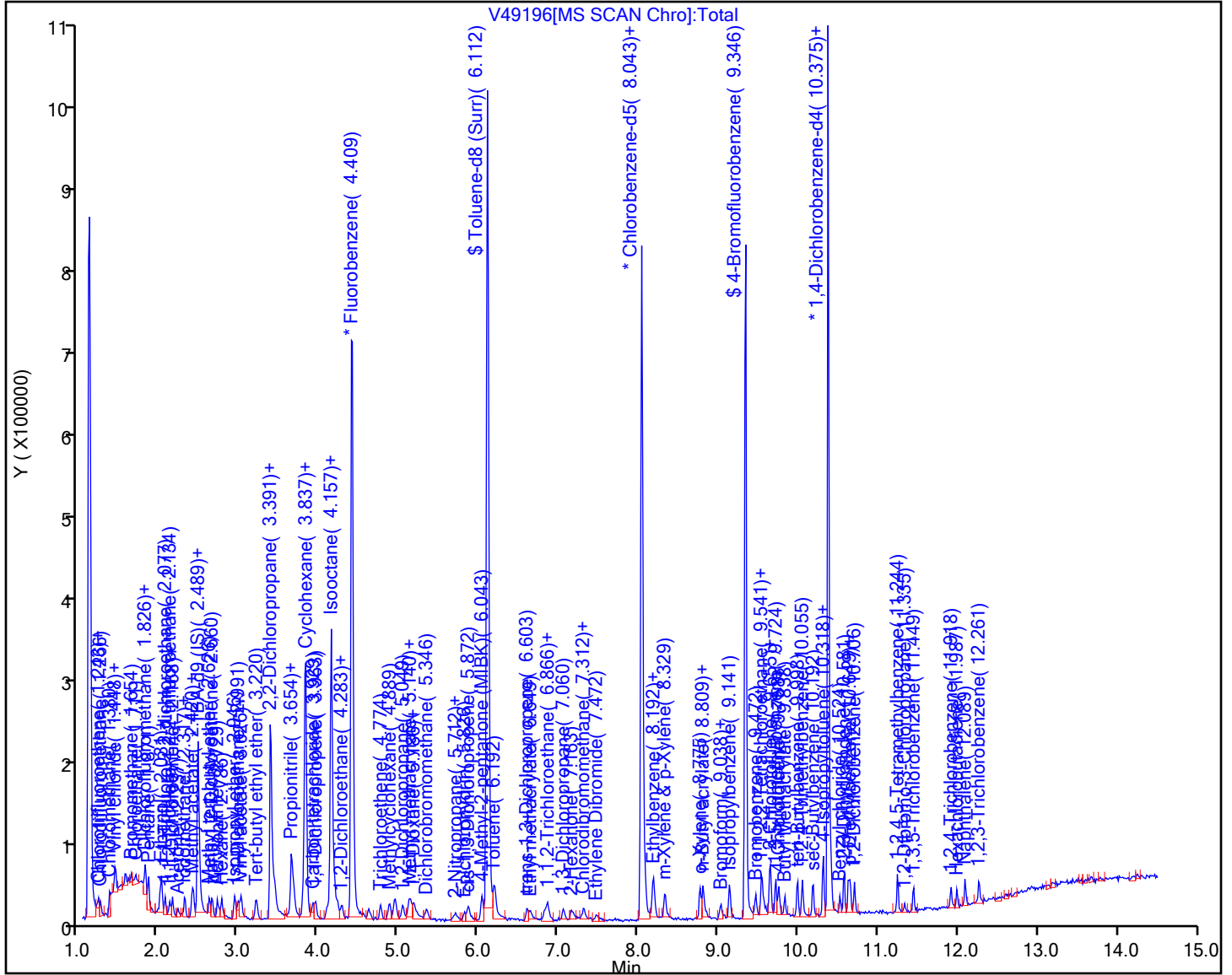
1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

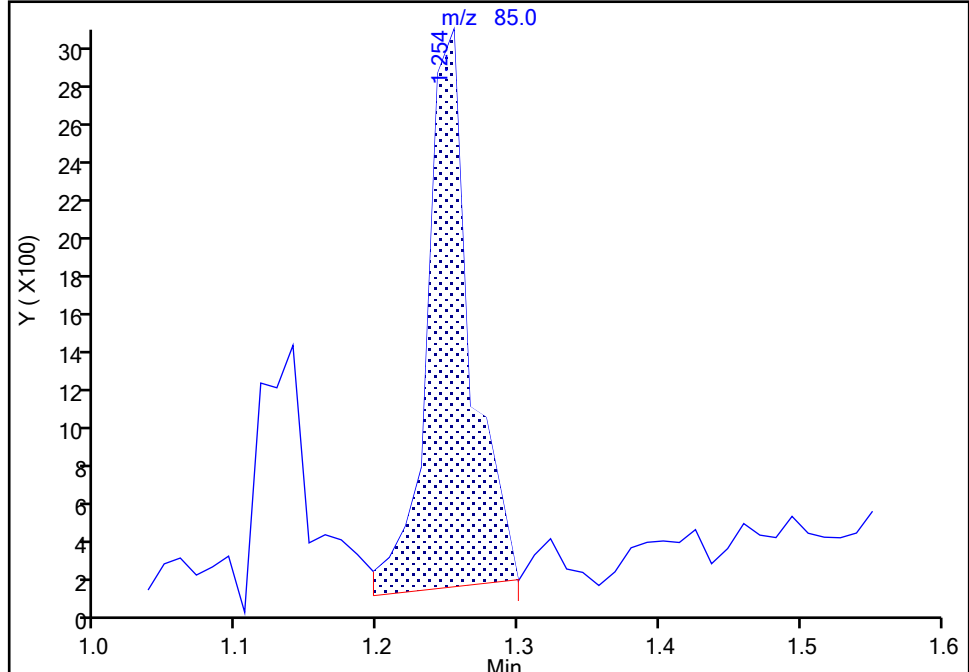
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector MS Quad

5 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

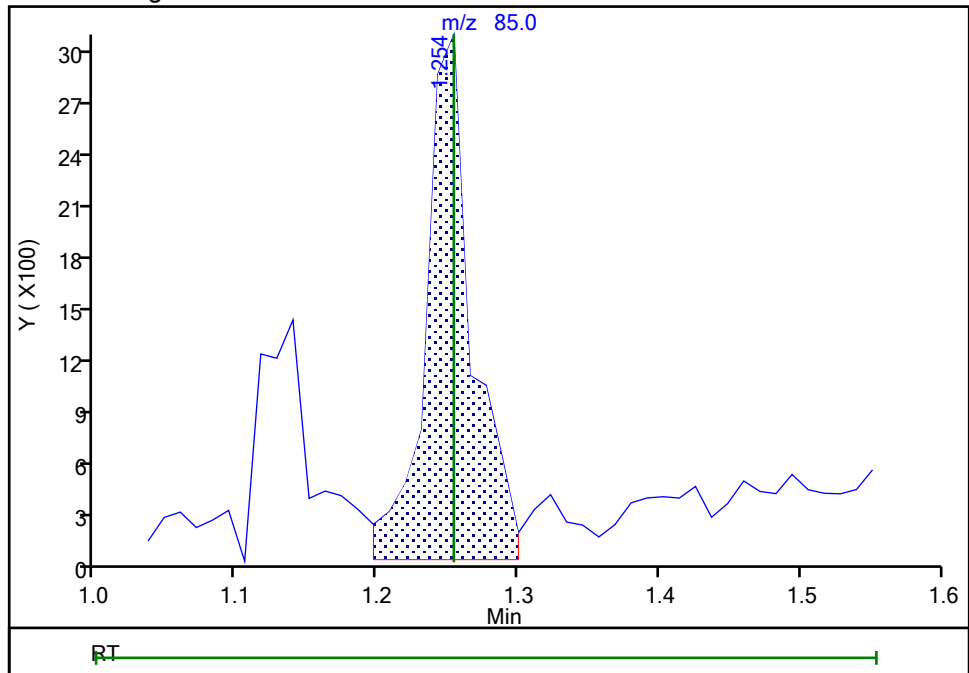
RT: 1.25
Area: 6348
Amount: 0.672154
Amount Units: ug/l

Processing Integration Results



RT: 1.25
Area: 7184
Amount: 0.978467
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:11:34 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

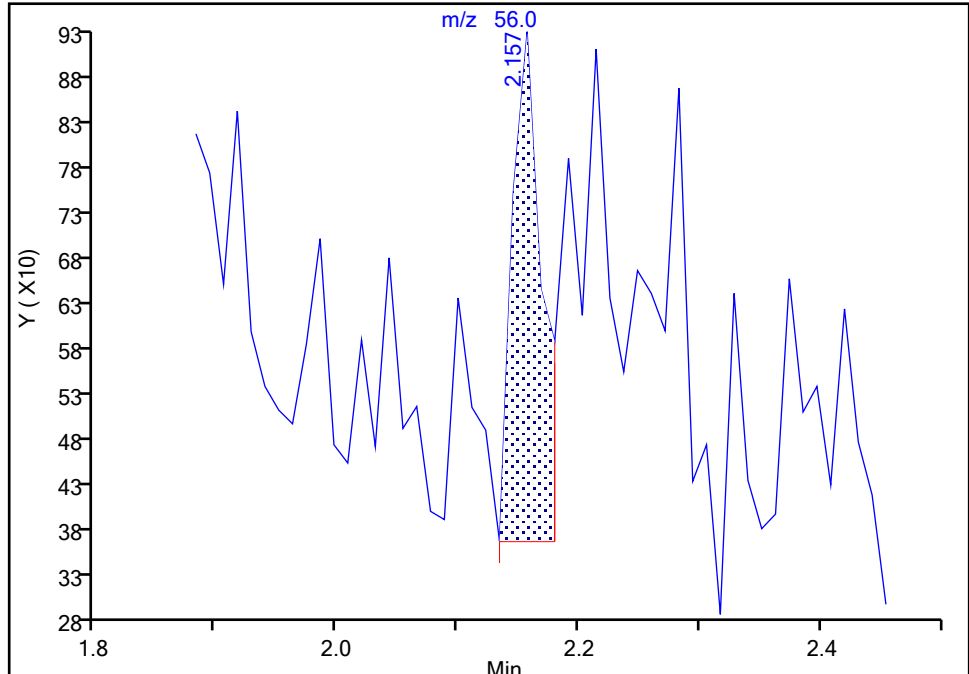
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

52 Acrolein, CAS: 107-02-8

Signal: 1

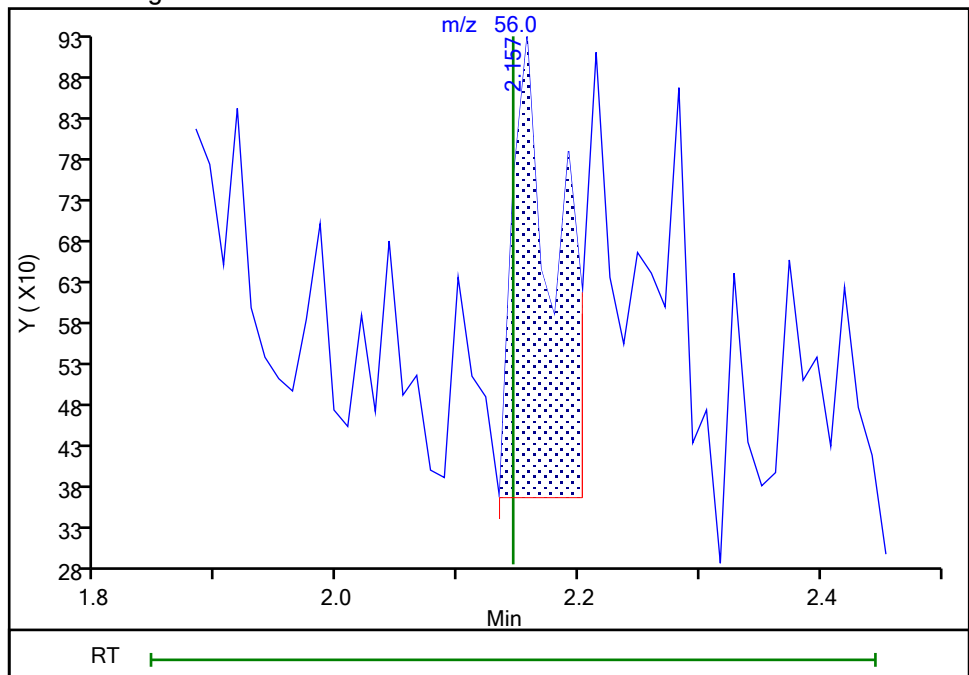
RT: 2.16
Area: 986
Amount: 1.876648
Amount Units: ug/l

Processing Integration Results



RT: 2.16
Area: 1449
Amount: 2.813735
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 13:07:18 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

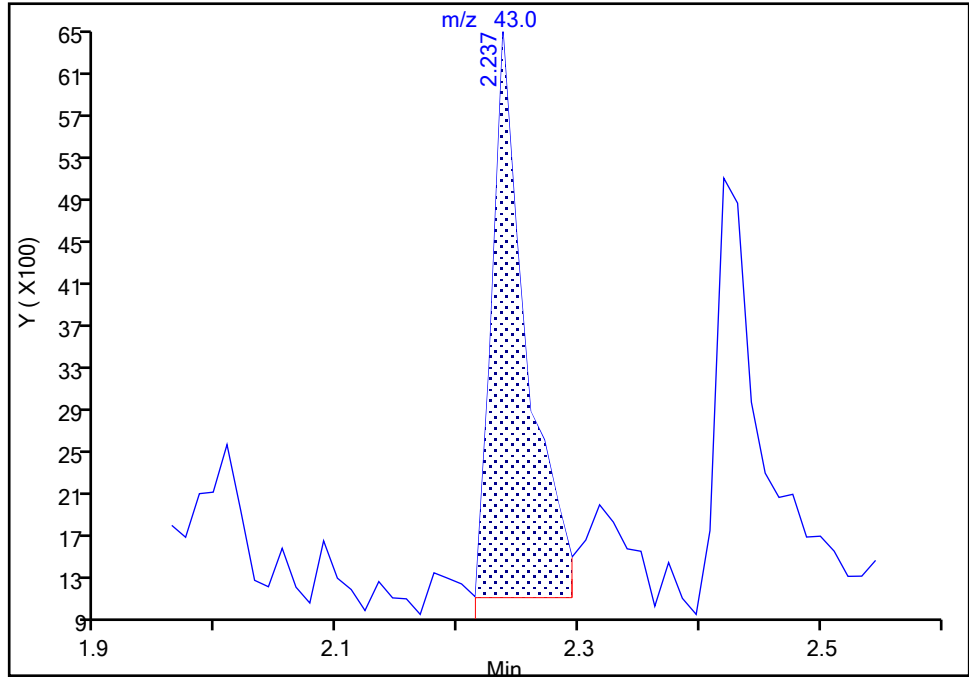
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

23 Acetone, CAS: 67-64-1

Signal: 1

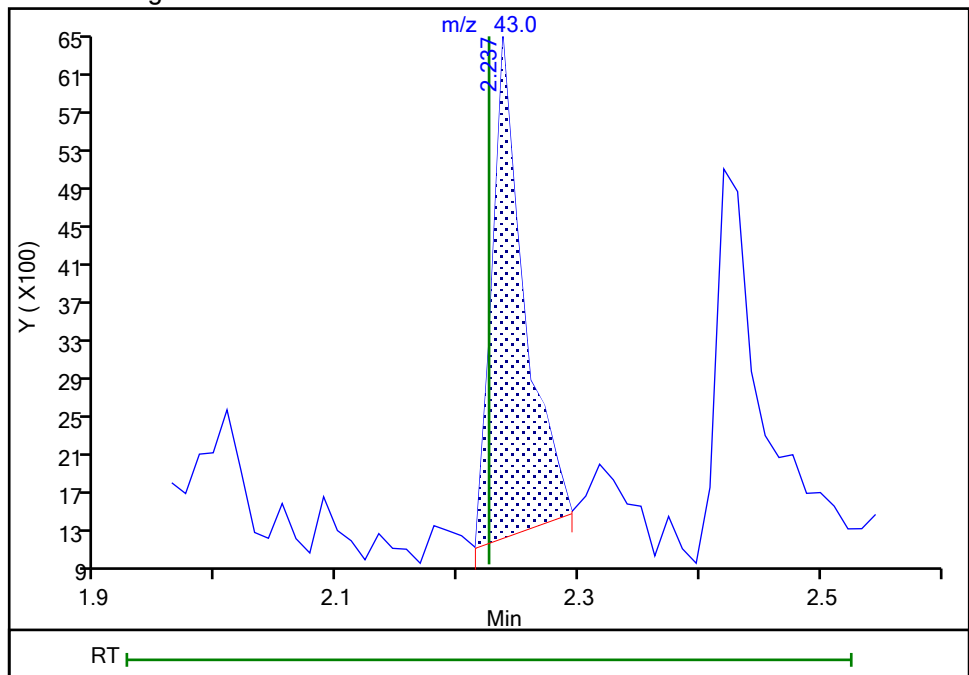
RT: 2.24
Area: 10452
Amount: 12.528287
Amount Units: ug/l

Processing Integration Results



RT: 2.24
Area: 9489
Amount: 5.391064
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:12:19 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D

Injection Date: 05-Jan-2024 09:04:30

Instrument ID: CVOAMS7

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

65

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

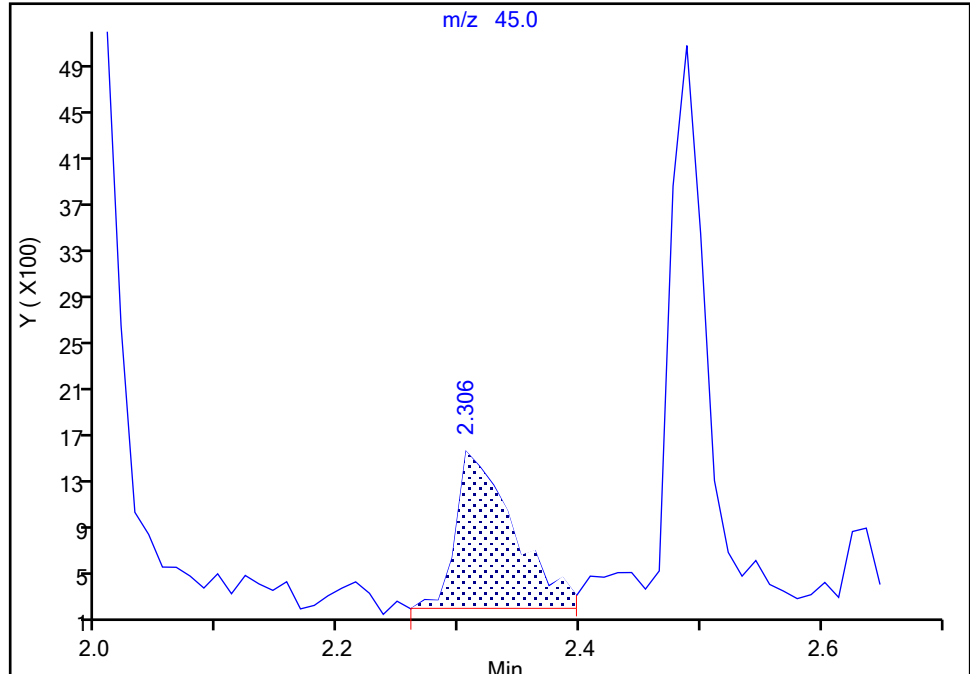
Detector: MS Quad

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

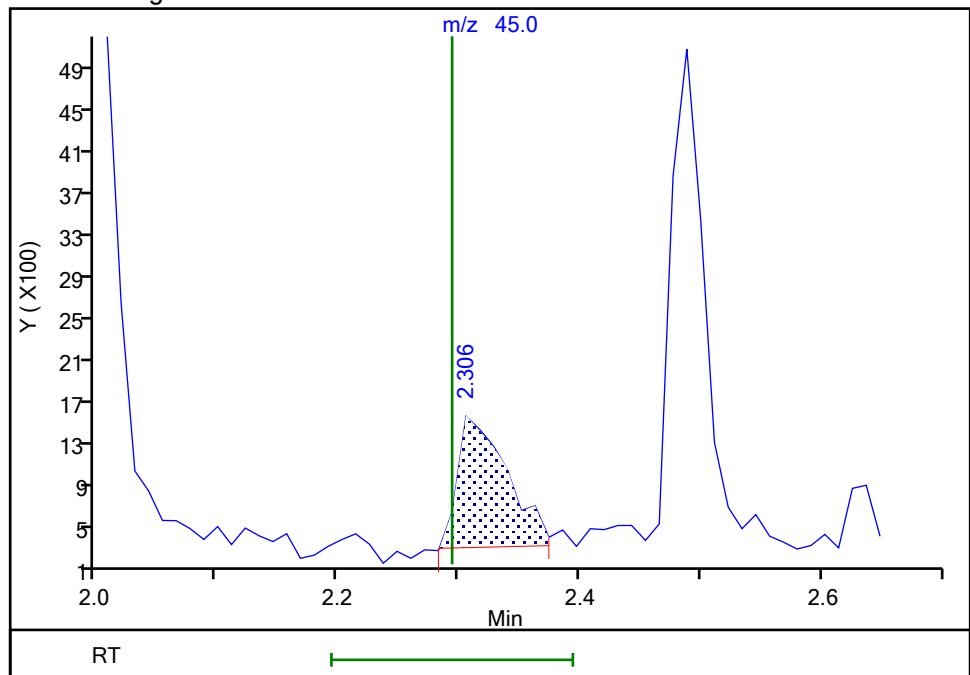
RT: 2.31
Area: 4527
Amount: 17.486131
Amount Units: ug/l

Processing Integration Results



RT: 2.31
Area: 3566
Amount: 13.152493
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:12:40 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

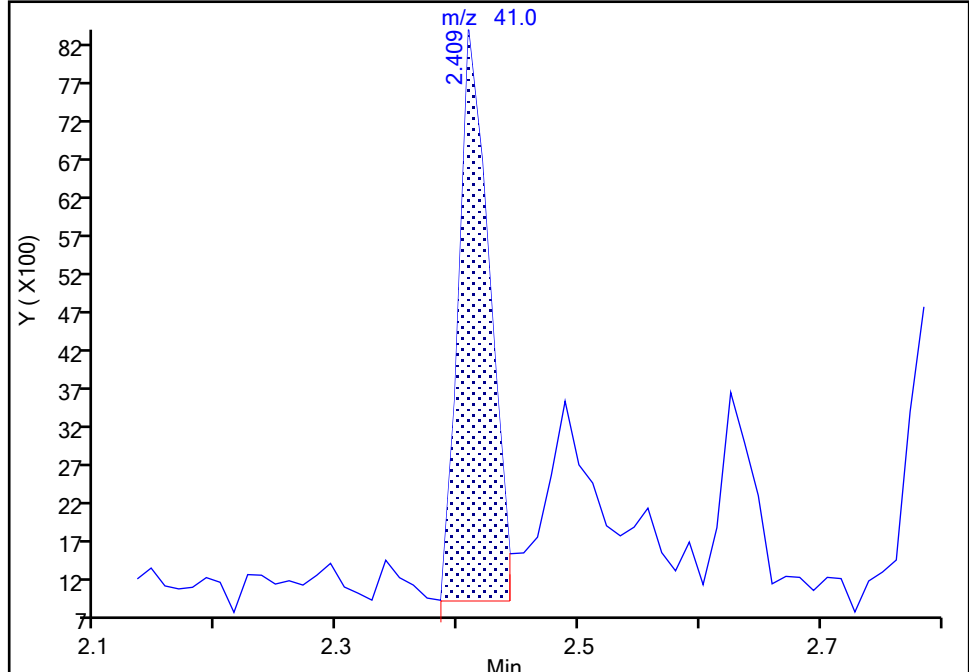
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

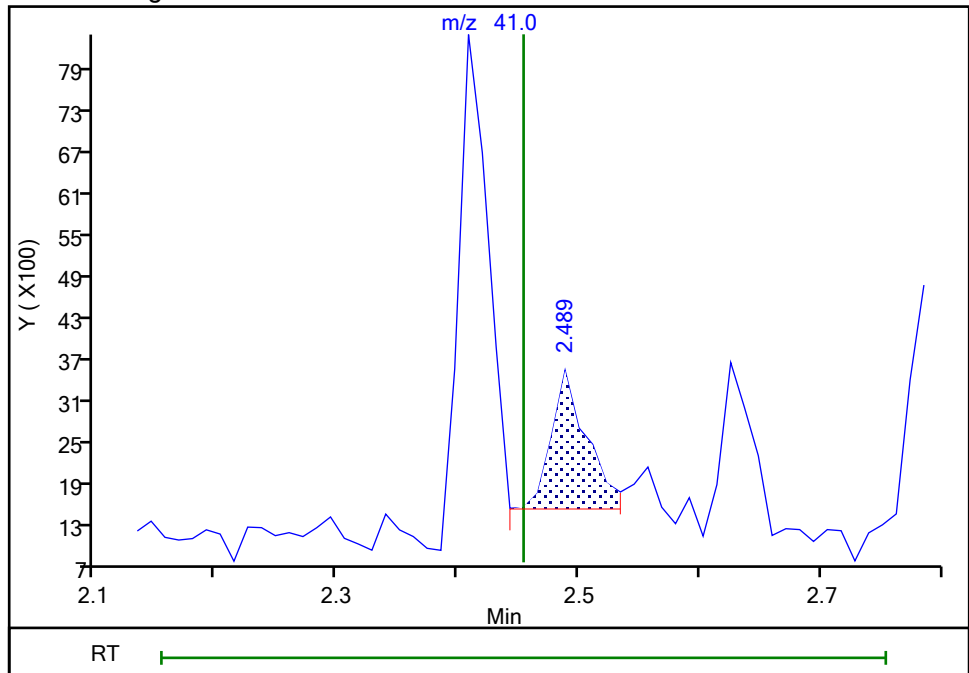
RT: 2.41
Area: 13223
Amount: 22.044871
Amount Units: ug/l

Processing Integration Results



RT: 2.49
Area: 4049
Amount: 6.754024
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:54:21 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

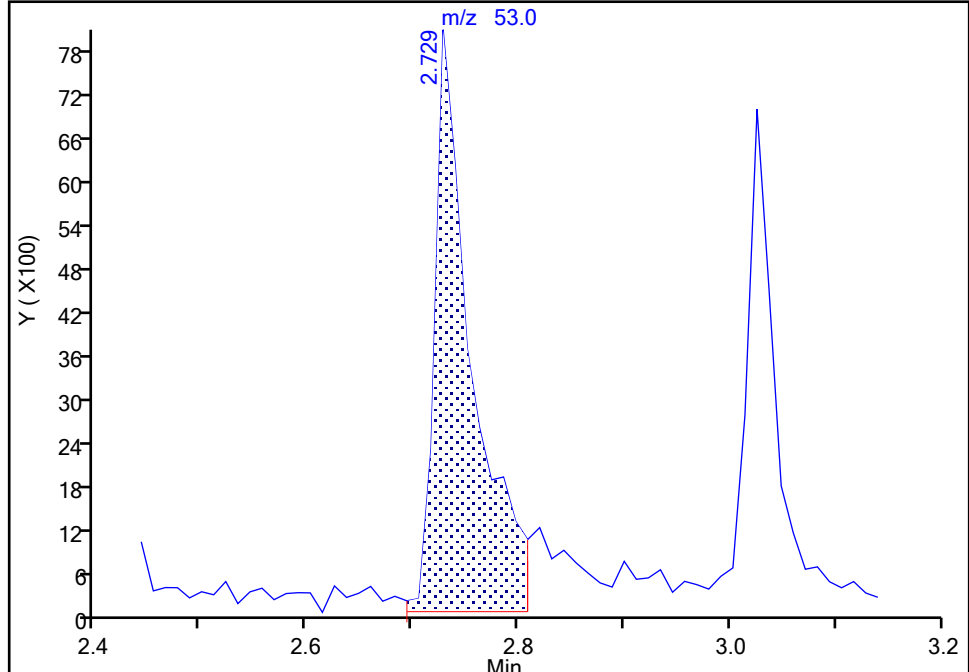
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

35 Acrylonitrile, CAS: 107-13-1

Signal: 1

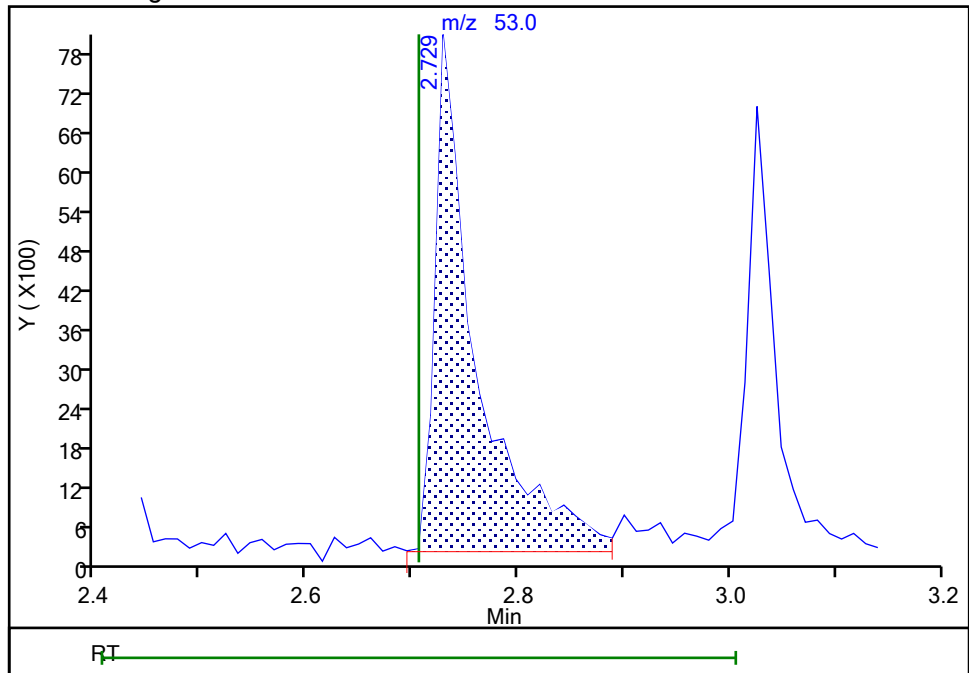
RT: 2.73
Area: 19941
Amount: 8.766073
Amount Units: ug/l

Processing Integration Results



RT: 2.73
Area: 21343
Amount: 10.314310
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 13:23:22 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

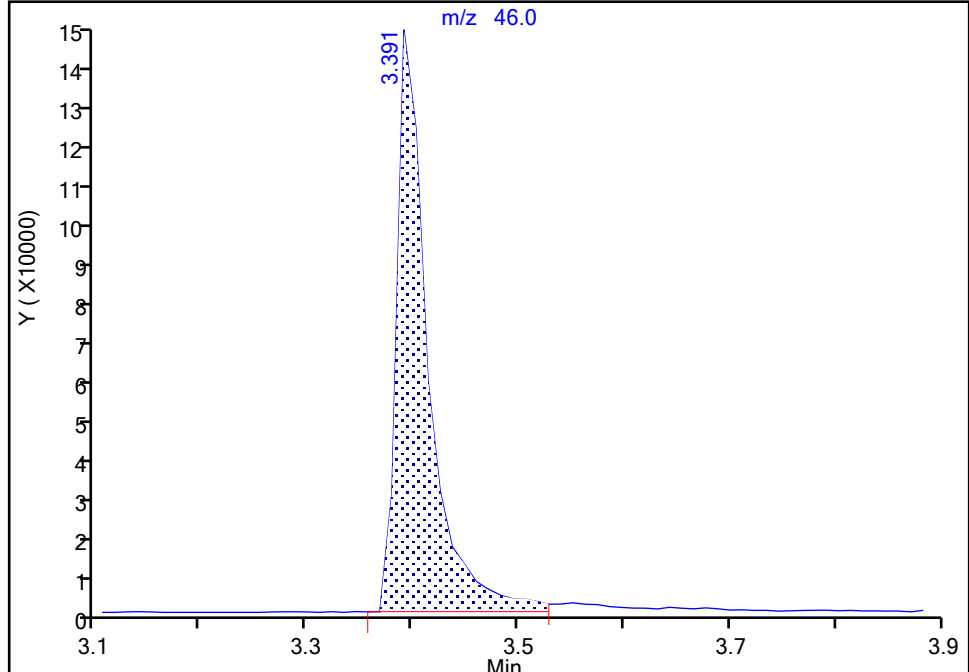
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

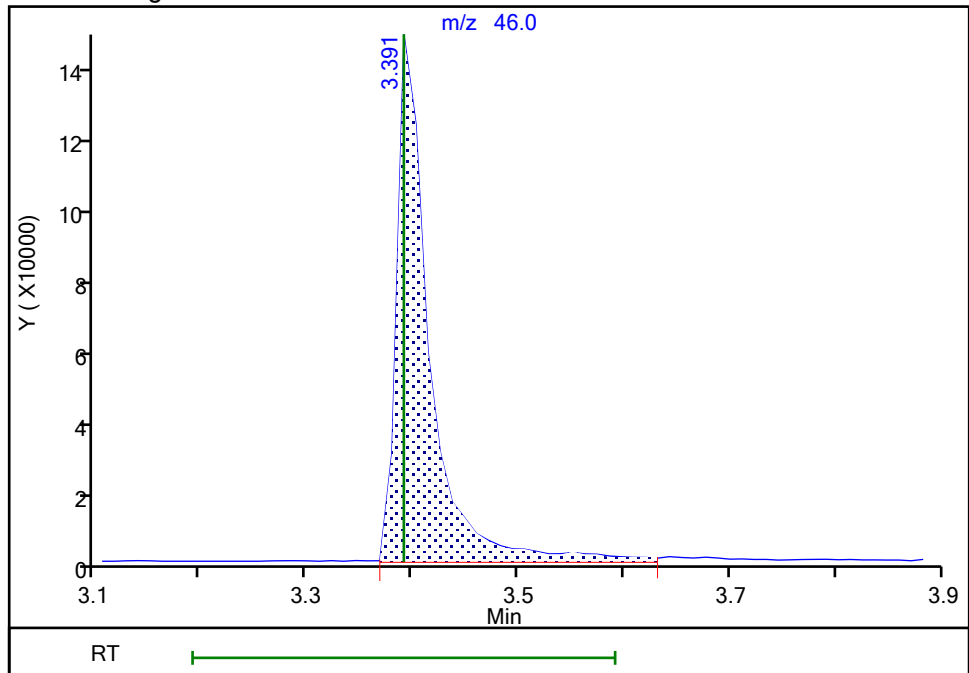
RT: 3.39
Area: 295127
Amount: 250.0000
Amount Units: ug/l

Processing Integration Results



RT: 3.39
Area: 304823
Amount: 250.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:12:55 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

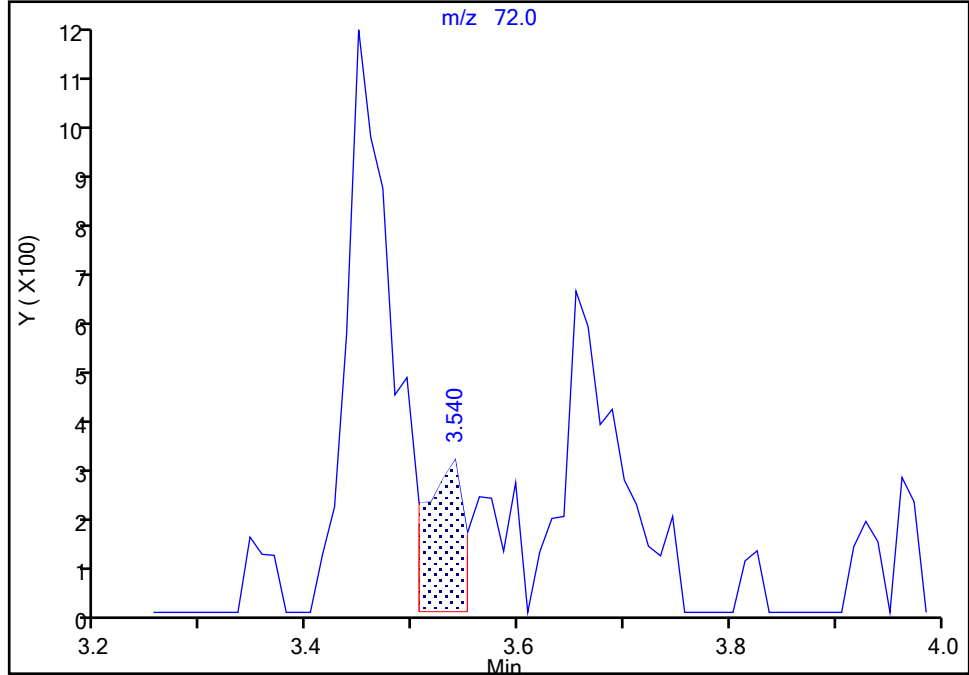
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

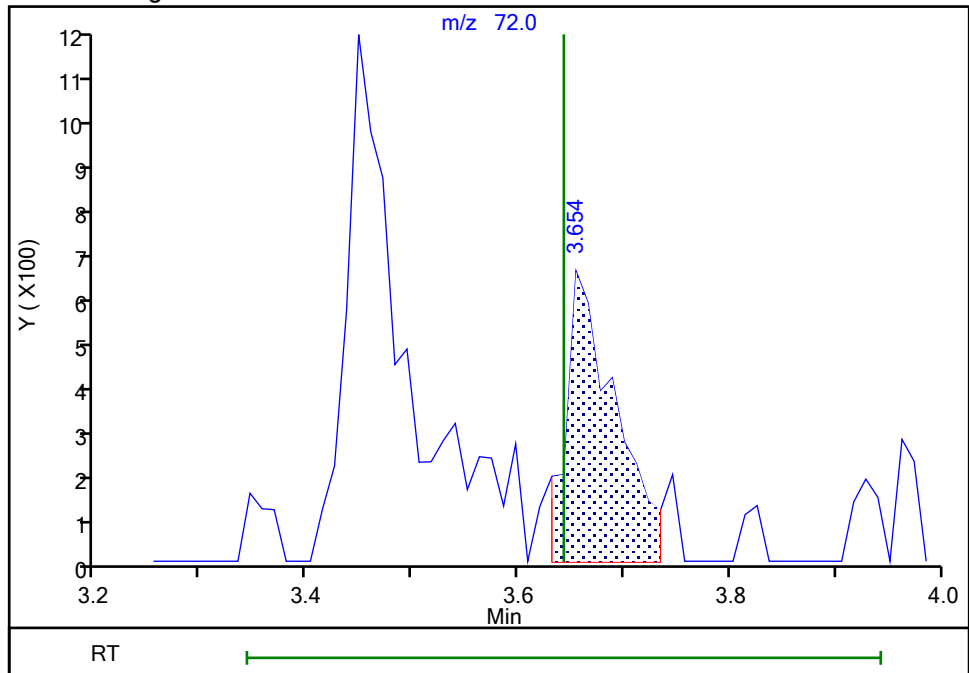
RT: 3.54
Area: 794
Amount: 1.294169
Amount Units: ug/l

Processing Integration Results



RT: 3.65
Area: 2106
Amount: 2.559128
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:54:37 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

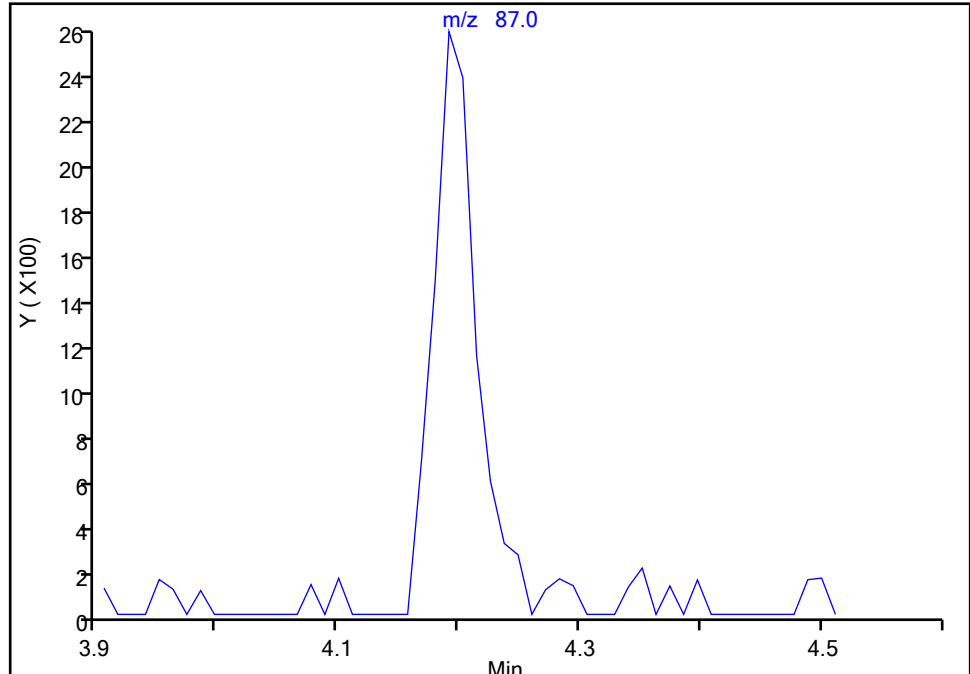
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

66 Isopropyl acetate, CAS: 108-21-4

Signal: 1

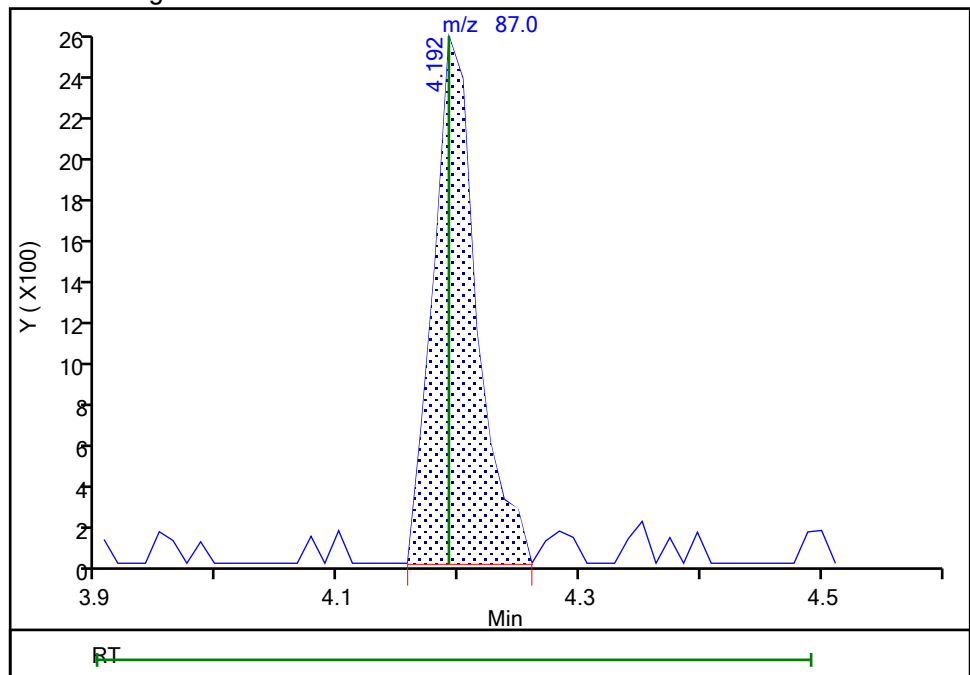
Not Detected
Expected RT: 4.19

Processing Integration Results



RT: 4.19
Area: 6272
Amount: 1.083314
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 11:54:58 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

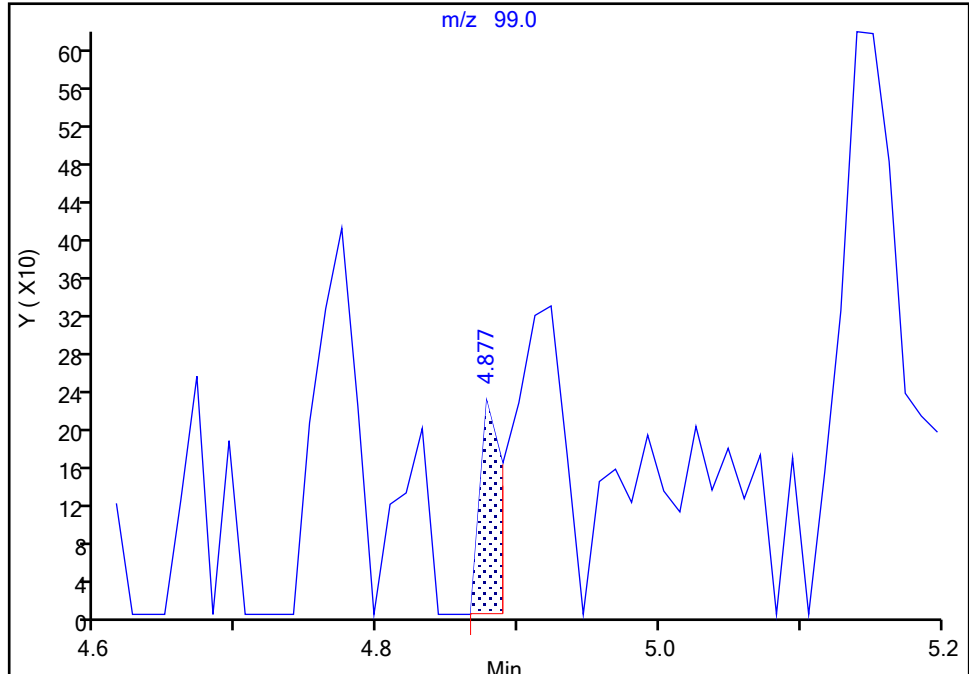
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

71 Ethyl acrylate, CAS: 140-88-5

Signal: 1

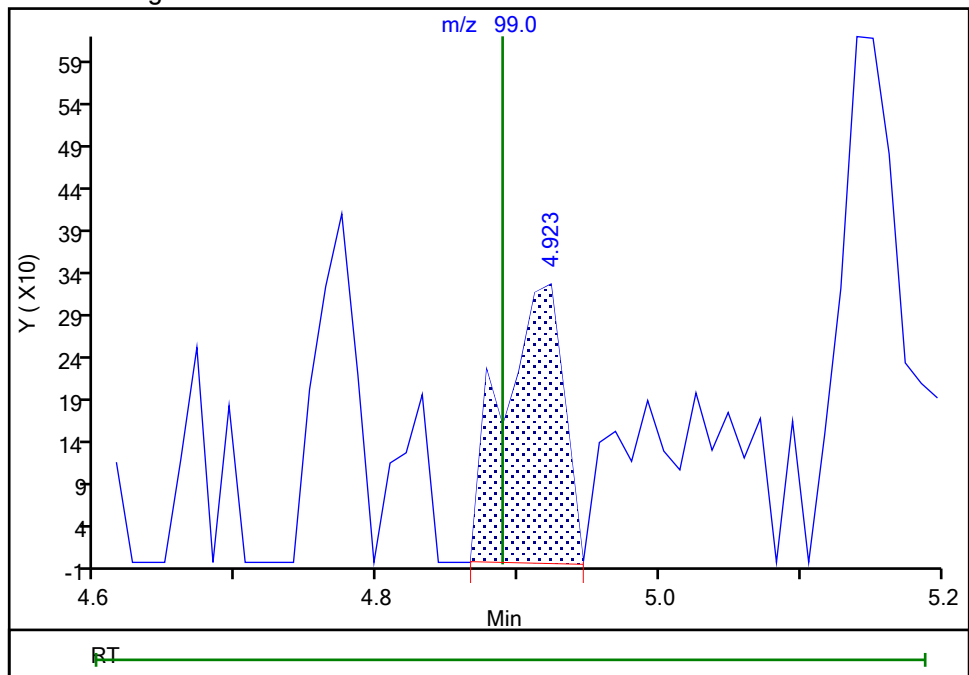
RT: 4.88
Area: 263
Amount: 0.294747
Amount Units: ug/l

Processing Integration Results



RT: 4.92
Area: 970
Amount: 1.065690
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:14:25 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

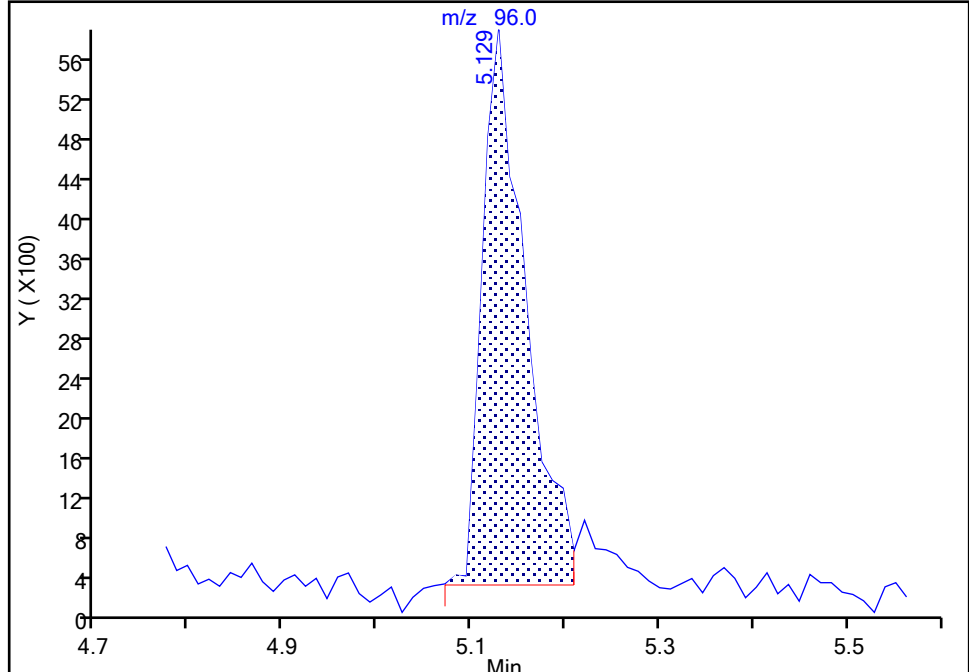
Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

* 68 1,4-Dioxane-d8, CAS: 17647-74-4
Signal: 1

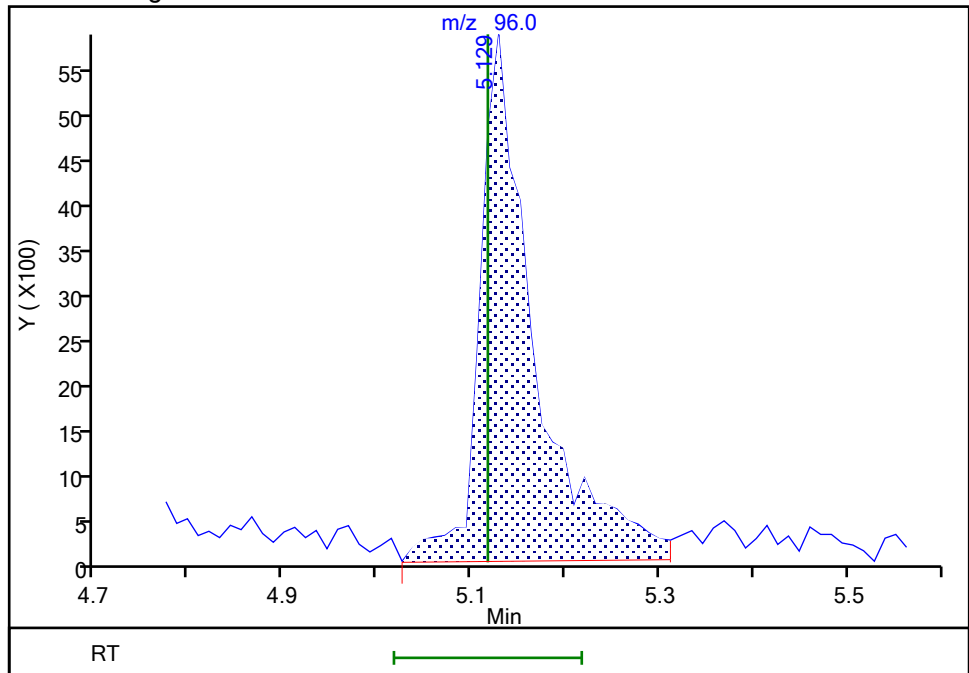
RT: 5.13
Area: 17866
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 5.13
Area: 23888
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:52:37 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Injection Date: 05-Jan-2024 09:04:30 Instrument ID: CVOAMS7
Lims ID: STD1
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

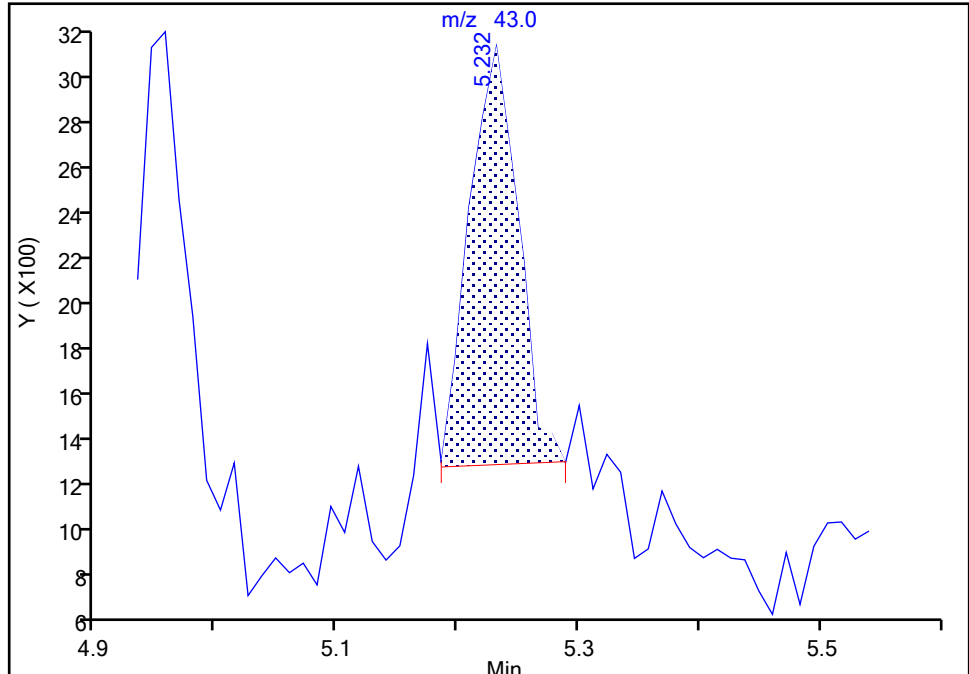
ALS Bottle#: 65 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

77 n-Propyl acetate, CAS: 109-60-4

Signal: 1

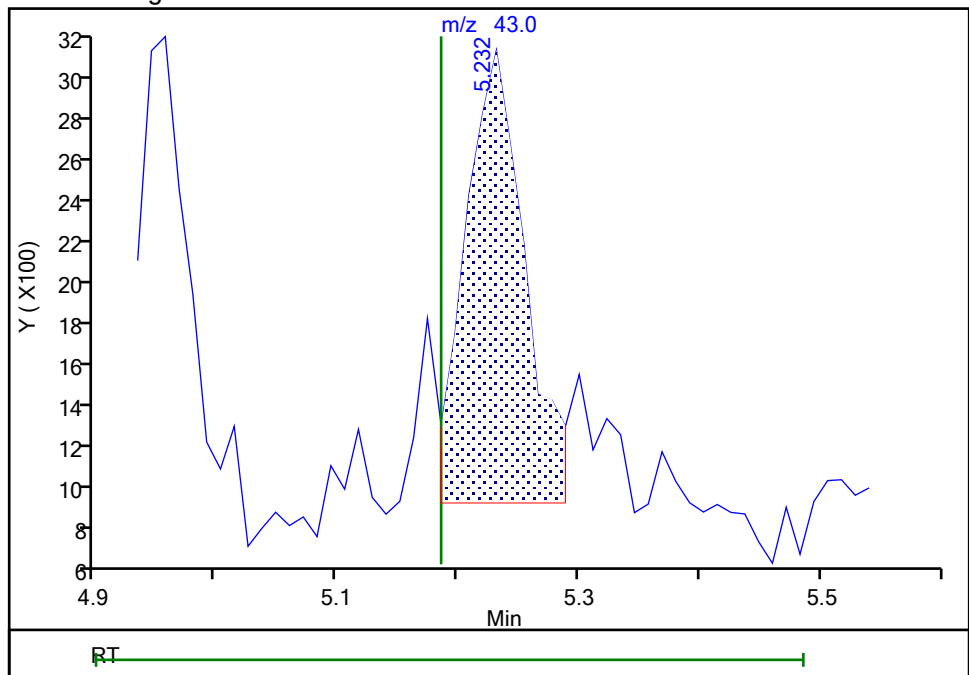
RT: 5.23
Area: 4964
Amount: 0.521893
Amount Units: ug/l

Processing Integration Results



RT: 5.23
Area: 7323
Amount: 0.840127
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:54:12 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D

Injection Date: 05-Jan-2024 09:04:30

Instrument ID: CVOAMS7

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

65

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

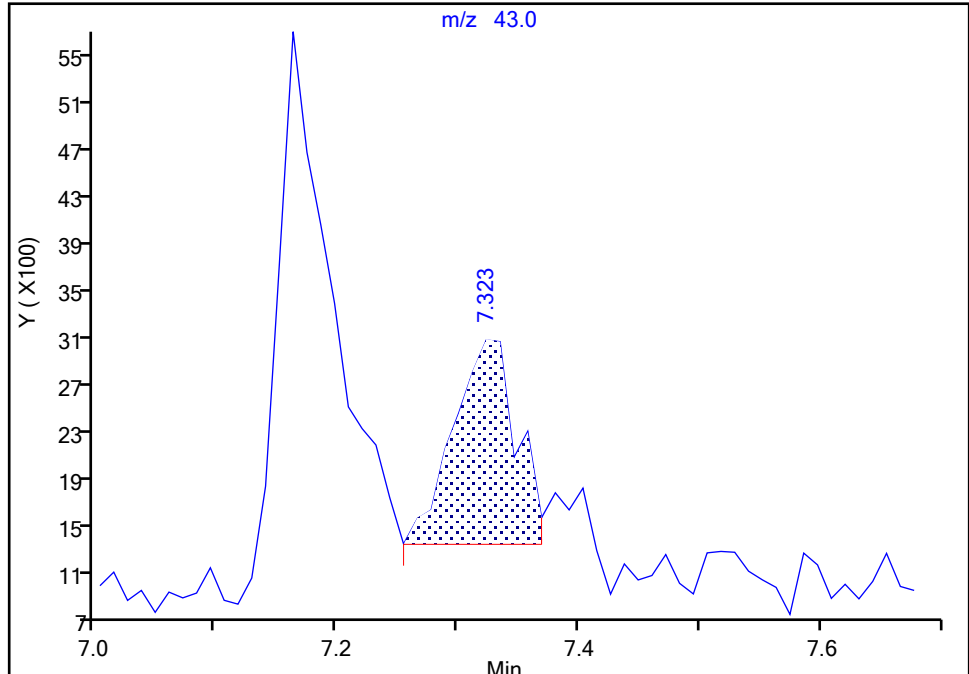
MS Quad

92 n-Butyl acetate, CAS: 123-86-4

Signal: 1

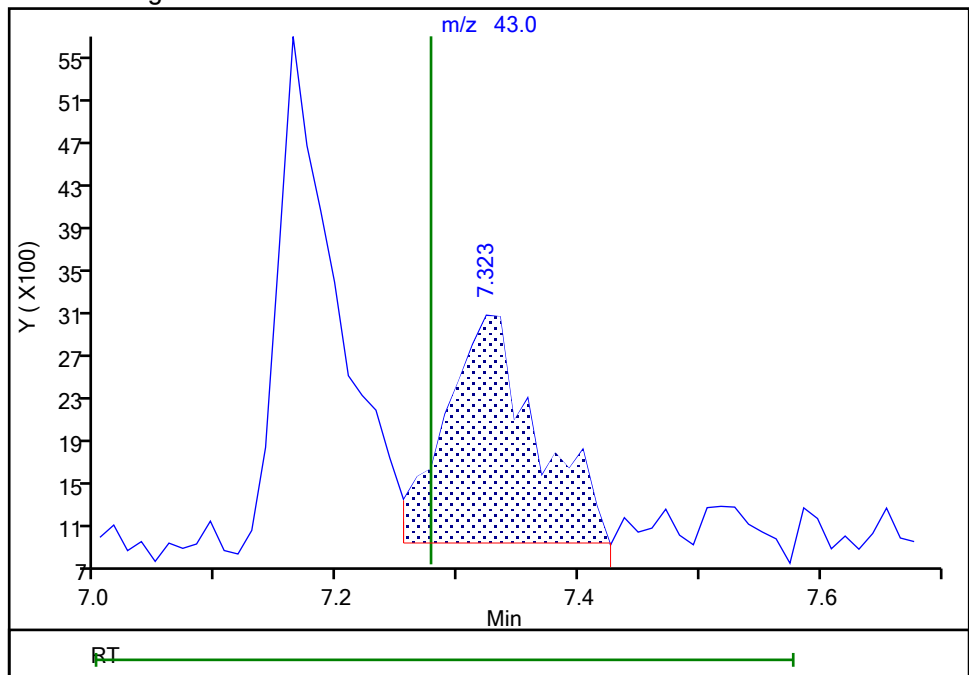
RT: 7.32
Area: 6199
Amount: 0.613219
Amount Units: ug/l

Processing Integration Results



RT: 7.32
Area: 11123
Amount: 1.142484
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 12:55:06 -05:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D

Injection Date: 05-Jan-2024 09:04:30

Instrument ID: CVOAMS7

Lims ID: STD1

Client ID:

Operator ID:

ALS Bottle#:

65

Worklist Smp#: 16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

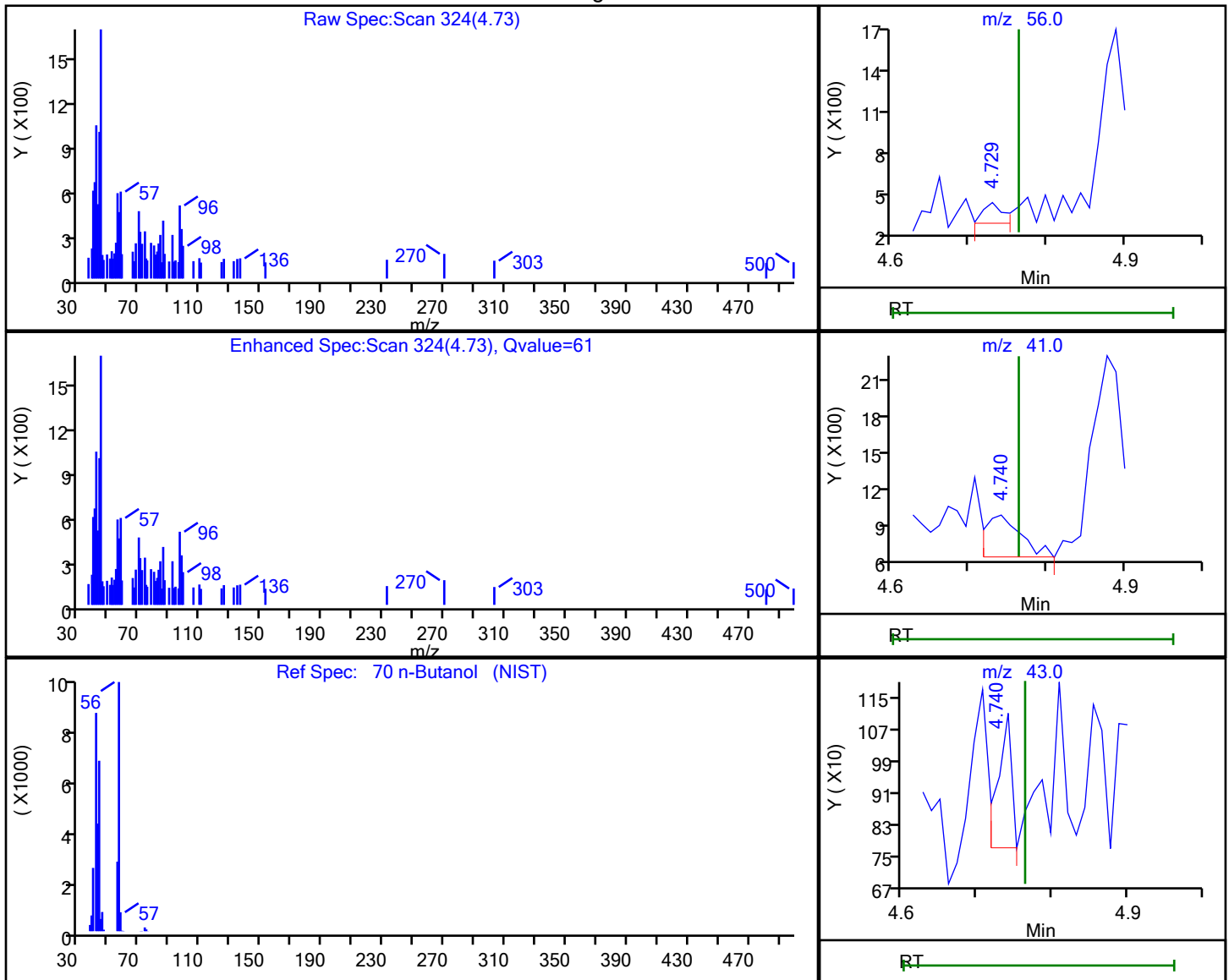
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

70 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.73	56.00	239	3.087494
4.74	41.00	1039	
4.74	43.00	436	

Reviewer: W9CM, 05-Jan-2024 11:55:05 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Calibration

/ Dichlorodifluoromethane

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

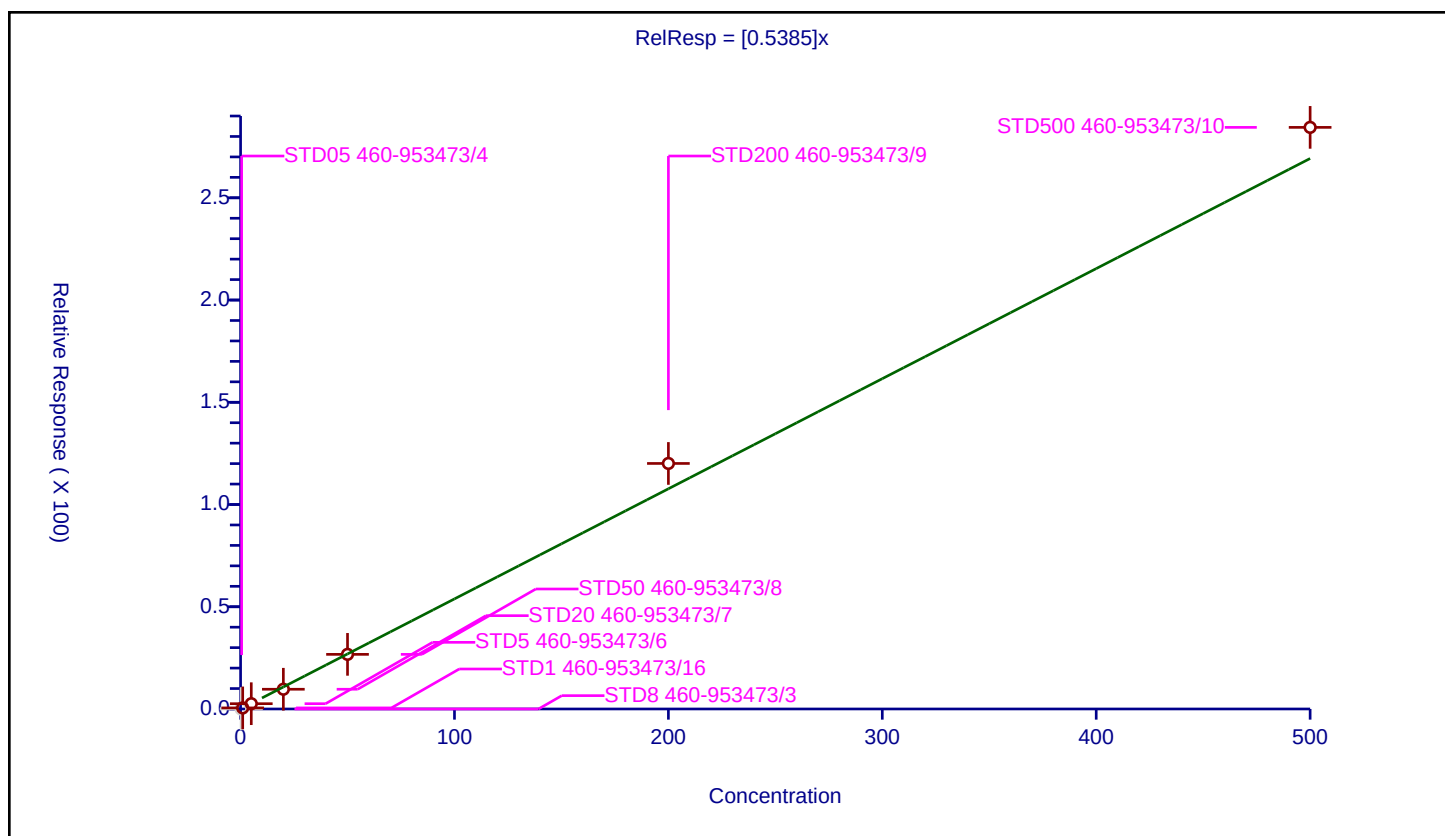
Curve Coefficients

Intercept: 0
Slope: 0.5385

Error Coefficients

Standard Error: 2260000
Relative Standard Error: 7.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.281257	50.0	638918.0	0.562513	N
3	STD1 460-953473/16	1.0	0.526857	50.0	681779.0	0.526857	Y
4	STD5 460-953473/6	5.0	2.587872	50.0	648815.0	0.517574	Y
5	STD20 460-953473/7	20.0	9.652914	50.0	684700.0	0.482646	Y
6	STD50 460-953473/8	50.0	26.716445	50.0	730900.0	0.534329	Y
7	STD200 460-953473/9	200.0	120.083297	50.0	791389.0	0.600416	Y
8	STD500 460-953473/10	500.0	284.442523	50.0	818751.0	0.568885	Y



Calibration

/ Chloromethane

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

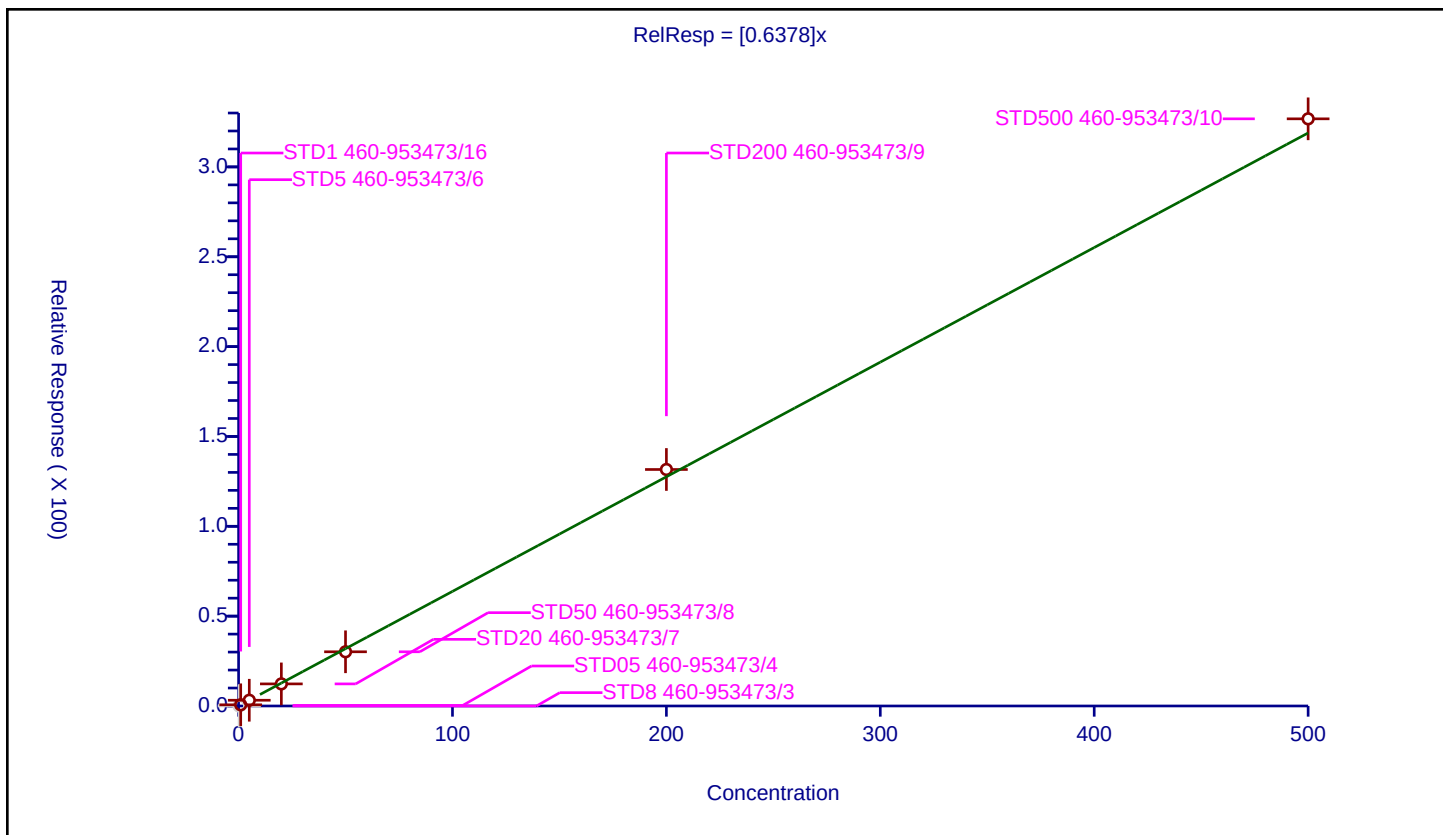
Curve Coefficients

Intercept: 0
 Slope: 0.6378

Error Coefficients

Standard Error: 2580000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.299882	50.0	638918.0	0.599764	N
3	STD1 460-953473/16	1.0	0.658645	50.0	681779.0	0.658645	Y
4	STD5 460-953473/6	5.0	3.192127	50.0	648815.0	0.638425	Y
5	STD20 460-953473/7	20.0	12.298379	50.0	684700.0	0.614919	Y
6	STD50 460-953473/8	50.0	30.164318	50.0	730900.0	0.603286	Y
7	STD200 460-953473/9	200.0	131.608792	50.0	791389.0	0.658044	Y
8	STD500 460-953473/10	500.0	326.763815	50.0	818751.0	0.653528	Y



Calibration

/ Vinyl chloride

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

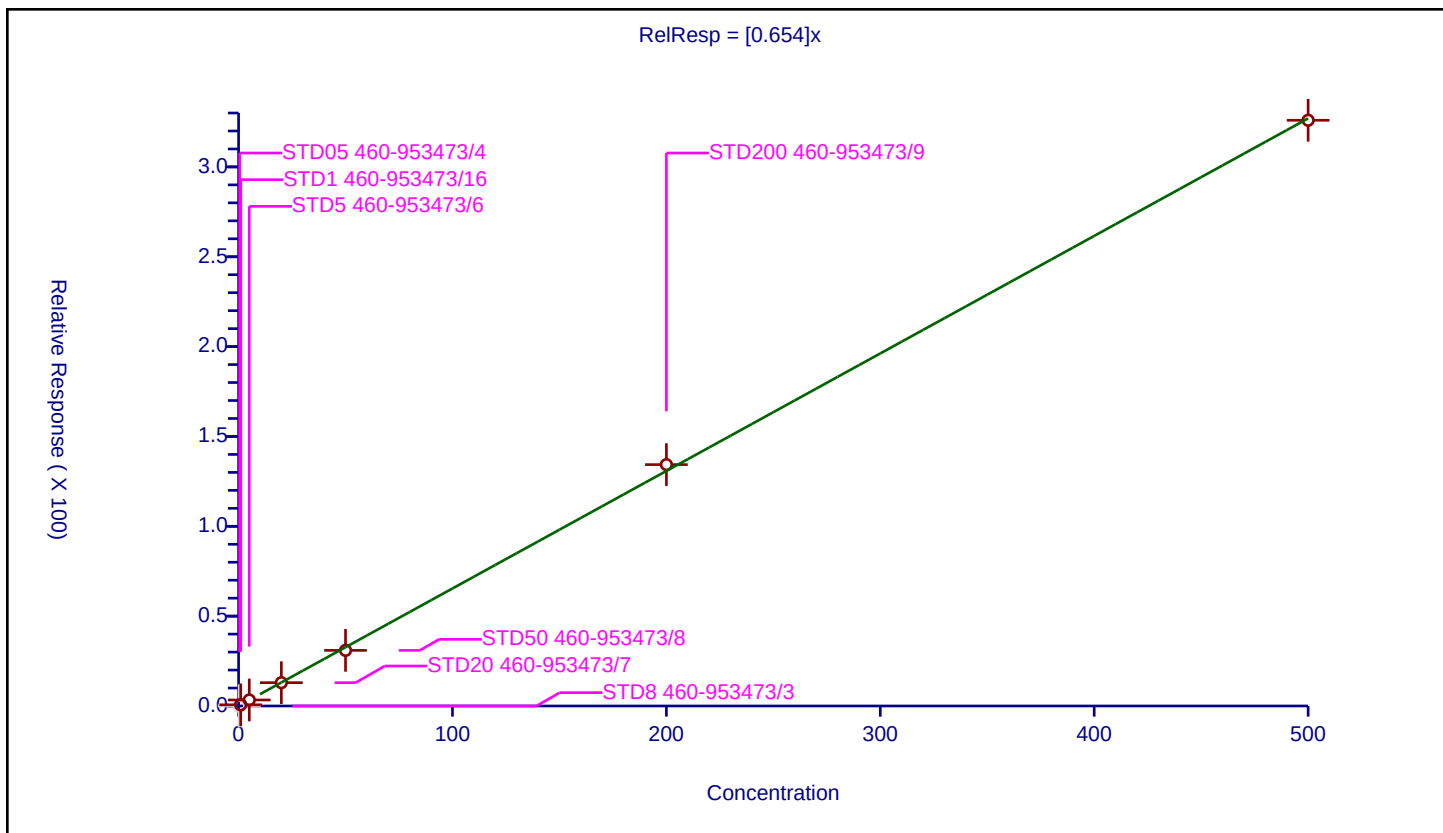
Curve Coefficients

Intercept: 0
Slope: 0.654

Error Coefficients

Standard Error: 2580000
Relative Standard Error: 3.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.33588	50.0	638918.0	0.671761	N
3	STD1 460-953473/16	1.0	0.662458	50.0	681779.0	0.662458	Y
4	STD5 460-953473/6	5.0	3.351572	50.0	648815.0	0.670314	Y
5	STD20 460-953473/7	20.0	12.972105	50.0	684700.0	0.648605	Y
6	STD50 460-953473/8	50.0	30.953824	50.0	730900.0	0.619076	Y
7	STD200 460-953473/9	200.0	134.331599	50.0	791389.0	0.671658	Y
8	STD500 460-953473/10	500.0	325.967907	50.0	818751.0	0.651936	Y



Calibration

/ Butadiene

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

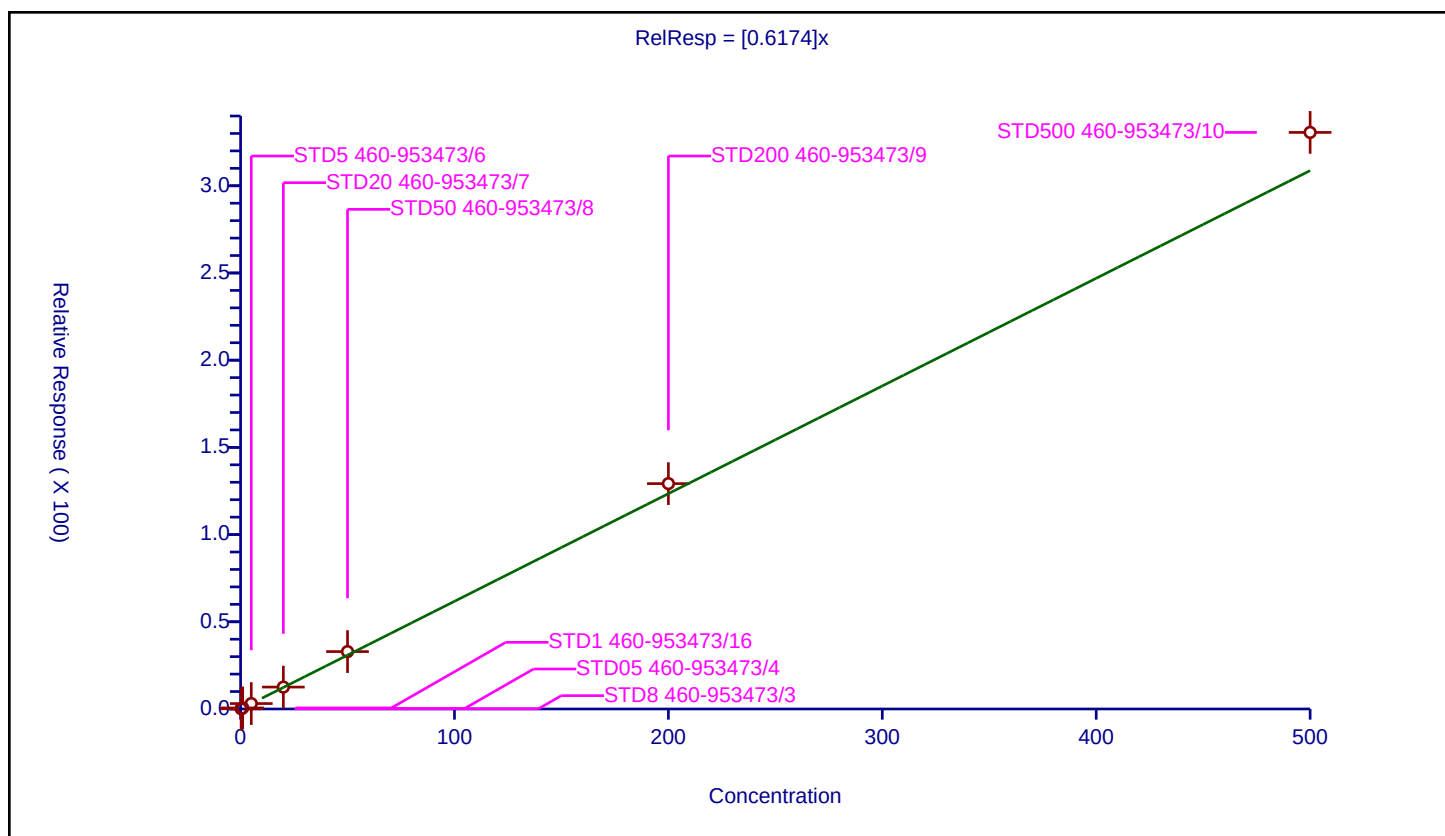
Curve Coefficients

Intercept: 0
Slope: 0.6174

Error Coefficients

Standard Error: 2200000
Relative Standard Error: 6.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.133464	50.0	636877.0	0.533855	Y
2	STD05 460-953473/4	0.5	0.294013	50.0	638918.0	0.588025	Y
3	STD1 460-953473/16	1.0	0.602101	50.0	681779.0	0.602101	Y
4	STD5 460-953473/6	5.0	3.105508	50.0	648815.0	0.621102	Y
5	STD20 460-953473/7	20.0	12.567256	50.0	684700.0	0.628363	Y
6	STD50 460-953473/8	50.0	32.91832	50.0	730900.0	0.658366	Y
7	STD200 460-953473/9	200.0	129.231832	50.0	791389.0	0.646159	Y
8	STD500 460-953473/10	500.0	330.601673	50.0	818751.0	0.661203	Y



Calibration

/ Bromomethane

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

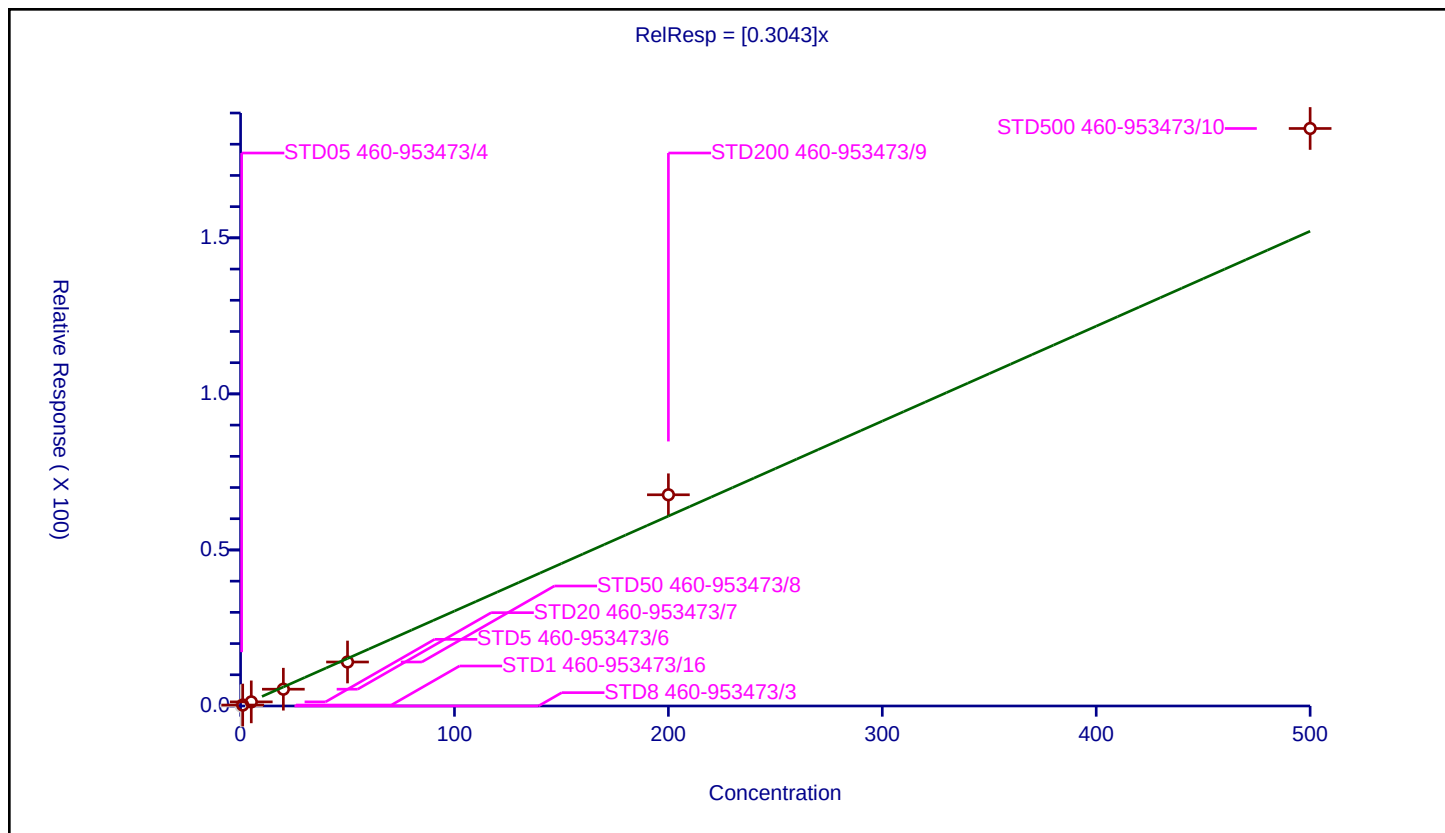
Curve Coefficients

Intercept: 0
 Slope: 0.3043

Error Coefficients

Standard Error: 1440000
 Relative Standard Error: 13.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.154636	50.0	638918.0	0.309273	N
3	STD1 460-953473/16	1.0	0.302957	50.0	681779.0	0.302957	Y
4	STD5 460-953473/6	5.0	1.317864	50.0	648815.0	0.263573	Y
5	STD20 460-953473/7	20.0	5.374617	50.0	684700.0	0.268731	Y
6	STD50 460-953473/8	50.0	14.090163	50.0	730900.0	0.281803	Y
7	STD200 460-953473/9	200.0	67.675315	50.0	791389.0	0.338377	Y
8	STD500 460-953473/10	500.0	185.043743	50.0	818751.0	0.370087	Y



Calibration

/ Chloroethane

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

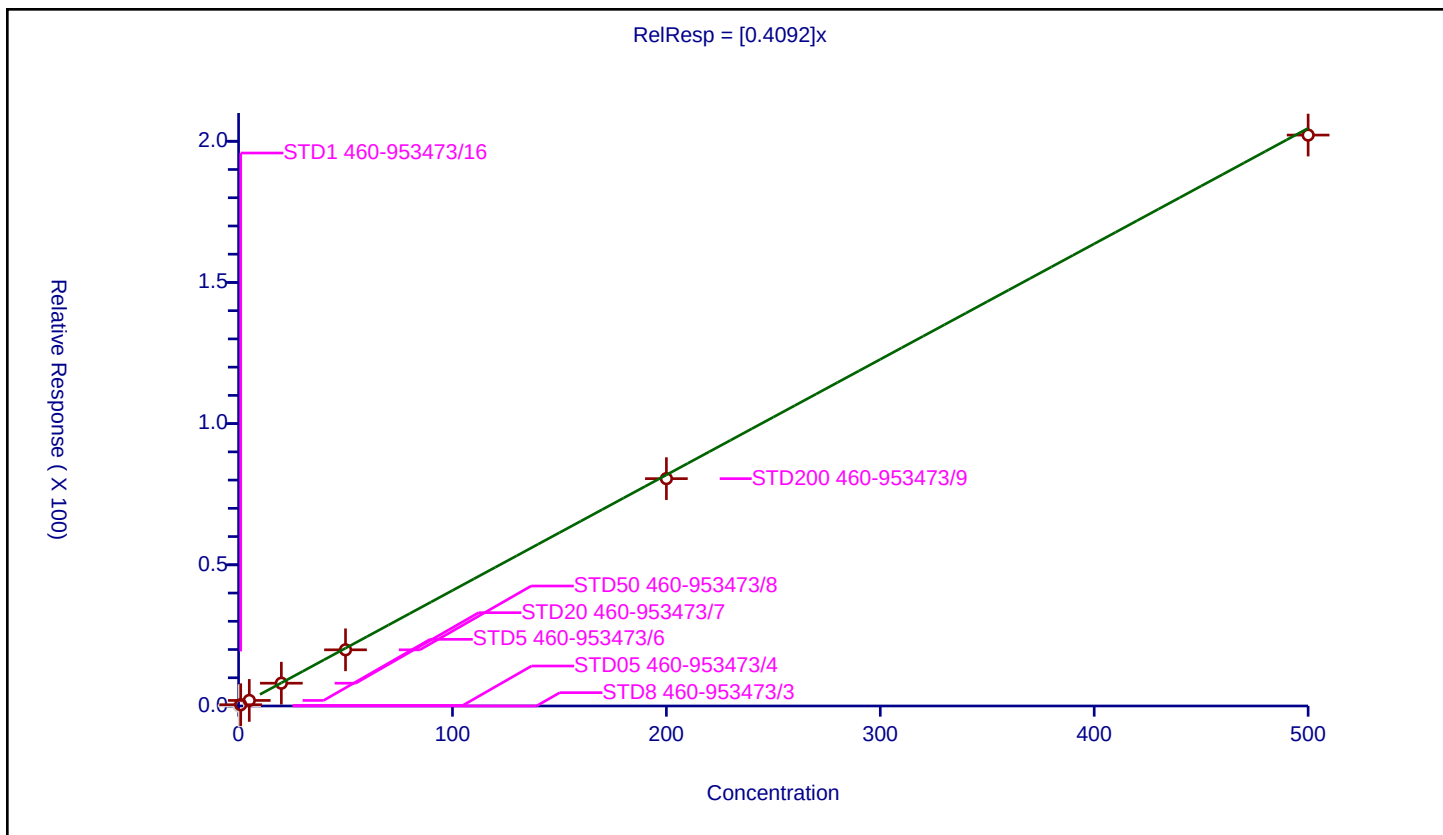
Curve Coefficients

Intercept: 0
Slope: 0.4092

Error Coefficients

Standard Error: 1590000
Relative Standard Error: 5.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.187583	50.0	638918.0	0.375166	N
3	STD1 460-953473/16	1.0	0.452859	50.0	681779.0	0.452859	Y
4	STD5 460-953473/6	5.0	1.970438	50.0	648815.0	0.394088	Y
5	STD20 460-953473/7	20.0	8.069227	50.0	684700.0	0.403461	Y
6	STD50 460-953473/8	50.0	19.891982	50.0	730900.0	0.39784	Y
7	STD200 460-953473/9	200.0	80.512555	50.0	791389.0	0.402563	Y
8	STD500 460-953473/10	500.0	202.188333	50.0	818751.0	0.404377	Y



Calibration

/ Trichlorofluoromethane

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

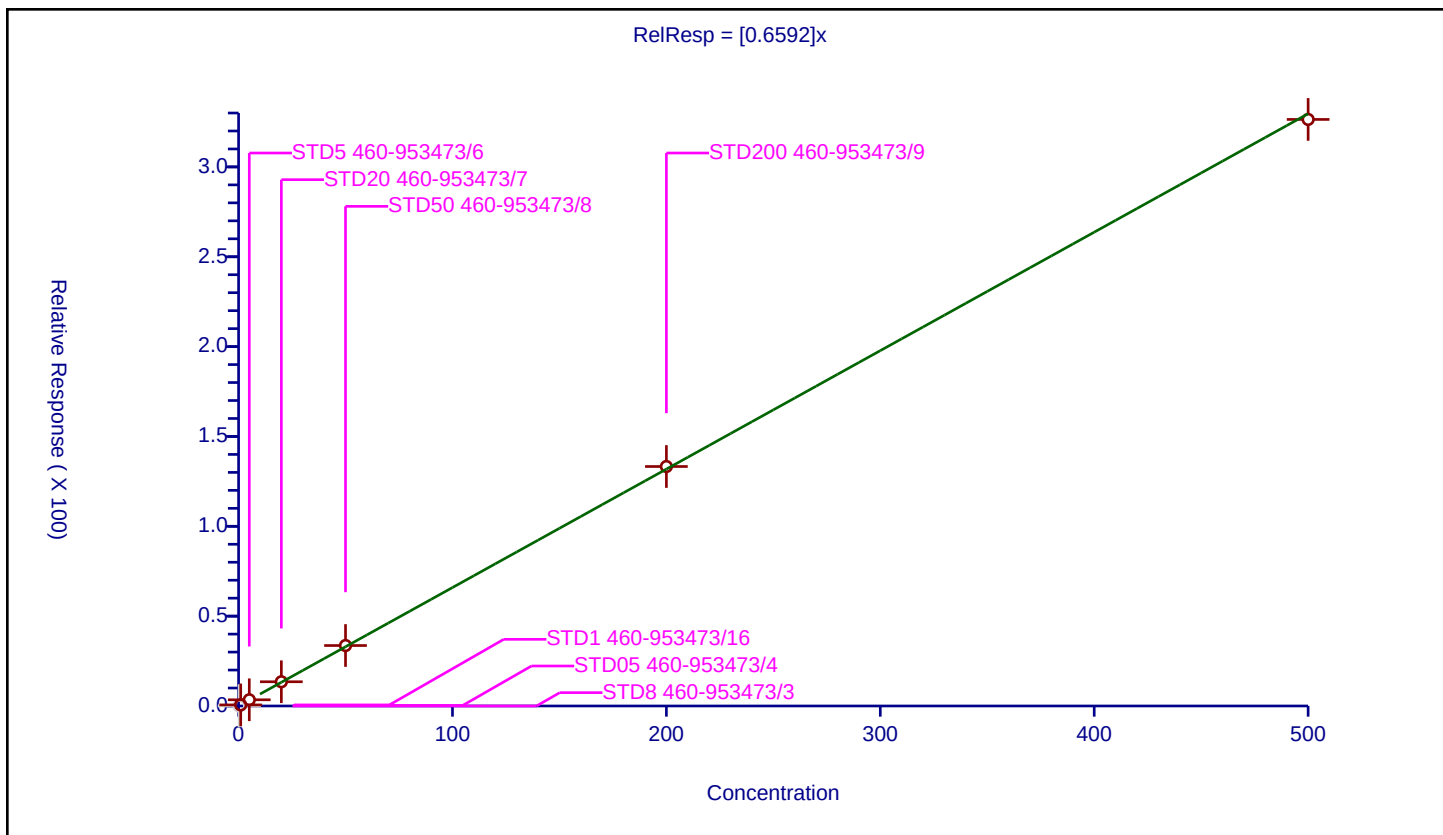
Curve Coefficients

Intercept: 0
 Slope: 0.6592

Error Coefficients

Standard Error: 2580000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.25	0.0	50.0	636877.0	0.0	N
2	STD05 460-953473/4	0.5	0.303795	50.0	638918.0	0.60759	N
3	STD1 460-953473/16	1.0	0.599314	50.0	681779.0	0.599314	Y
4	STD5 460-953473/6	5.0	3.447516	50.0	648815.0	0.689503	Y
5	STD20 460-953473/7	20.0	13.48189	50.0	684700.0	0.674094	Y
6	STD50 460-953473/8	50.0	33.648858	50.0	730900.0	0.672977	Y
7	STD200 460-953473/9	200.0	133.273144	50.0	791389.0	0.666366	Y
8	STD500 460-953473/10	500.0	326.427449	50.0	818751.0	0.652855	Y



Calibration

/ Pentane

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

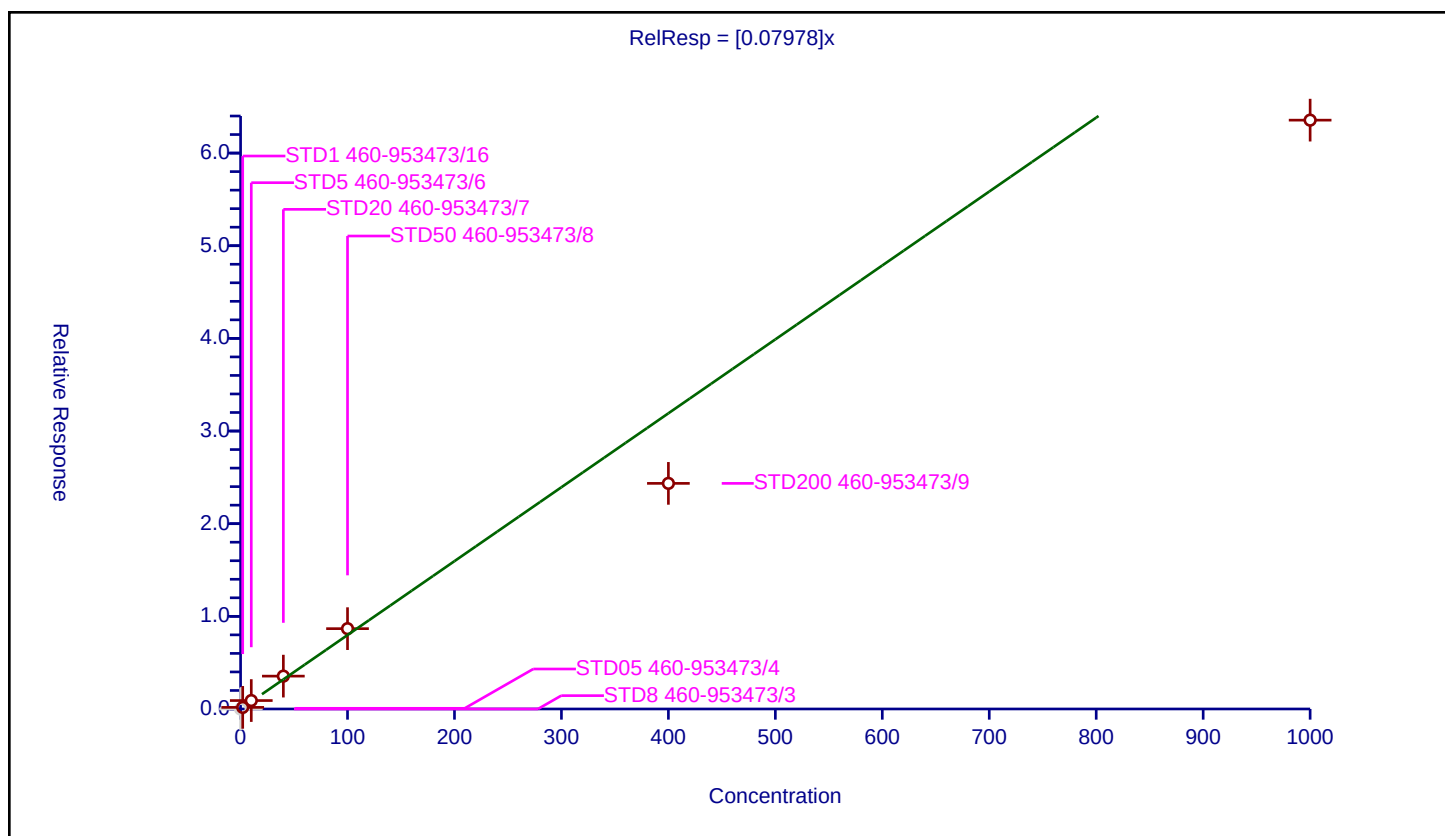
Curve Coefficients

Intercept: 0
Slope: 0.07978

Error Coefficients

Standard Error: 500000
Relative Standard Error: 17.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	1.0	0.073327	50.0	638918.0	0.073327	N
3	STD1 460-953473/16	2.0	0.175423	50.0	681779.0	0.087712	Y
4	STD5 460-953473/6	10.0	0.911739	50.0	648815.0	0.091174	Y
5	STD20 460-953473/7	40.0	3.547393	50.0	684700.0	0.088685	Y
6	STD50 460-953473/8	100.0	8.670133	50.0	730900.0	0.086701	Y
7	STD200 460-953473/9	400.0	24.349467	50.0	791389.0	0.060874	Y
8	STD500 460-953473/10	1000.0	63.555098	50.0	818751.0	0.063555	Y



Calibration

/ Ethanol

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

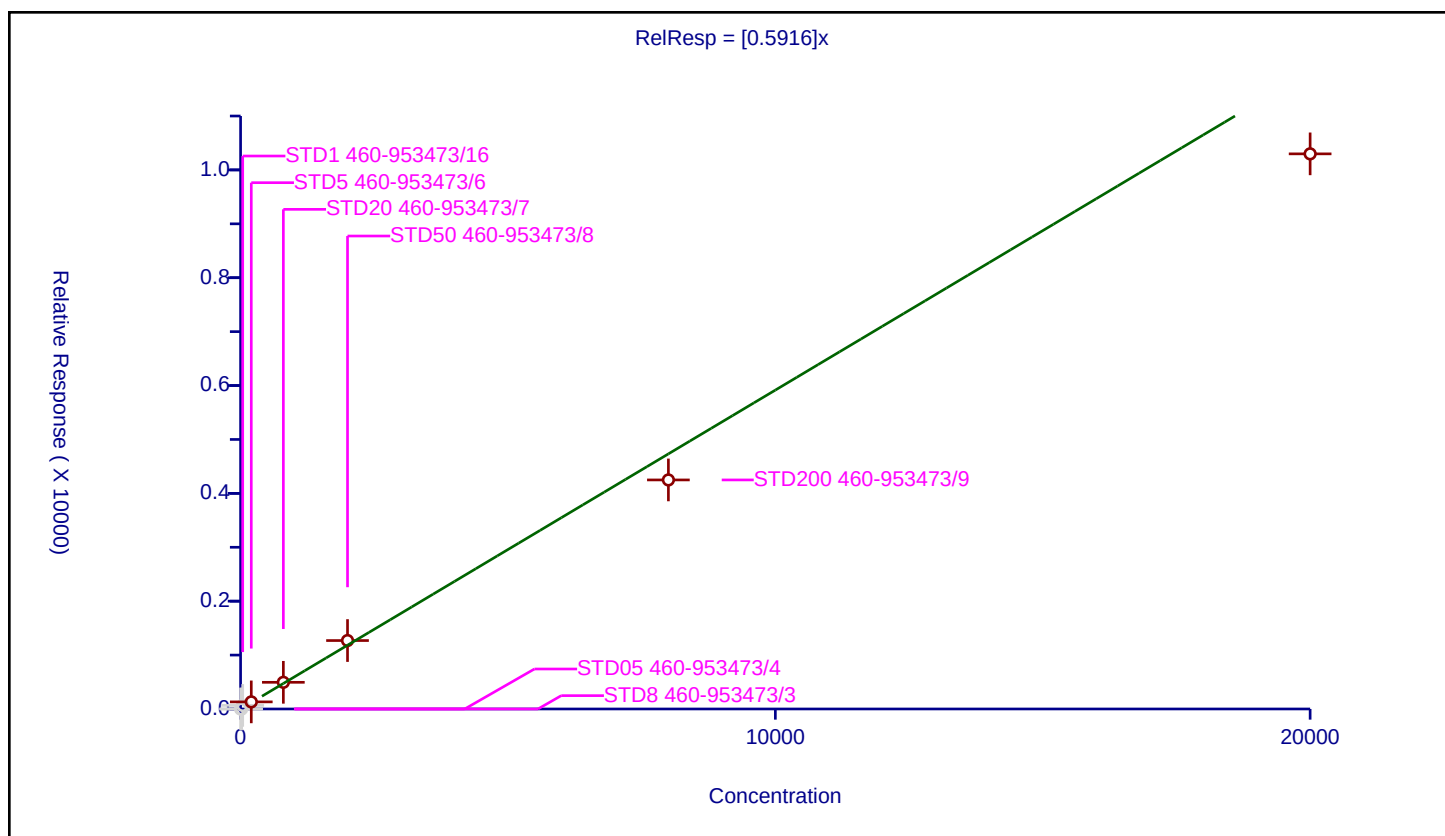
Curve Coefficients

Intercept: 0
Slope: 0.5916

Error Coefficients

Standard Error: 291000
Relative Standard Error: 10.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	1000.0	34910.0	NaN	N
2	STD05 460-953473/4	20.0	0.0	1000.0	34646.0	0.0	N
3	STD1 460-953473/16	40.0	66.634185	1000.0	34892.0	1.665855	N
4	STD5 460-953473/6	200.0	131.662773	1000.0	32963.0	0.658314	Y
5	STD20 460-953473/7	800.0	494.865164	1000.0	40605.0	0.618581	Y
6	STD50 460-953473/8	2000.0	1269.678137	1000.0	41353.0	0.634839	Y
7	STD200 460-953473/9	8000.0	4249.309571	1000.0	50331.0	0.531164	Y
8	STD500 460-953473/10	20000.0	10298.135142	1000.0	53677.0	0.514907	Y



Calibration

/ Ethyl ether

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

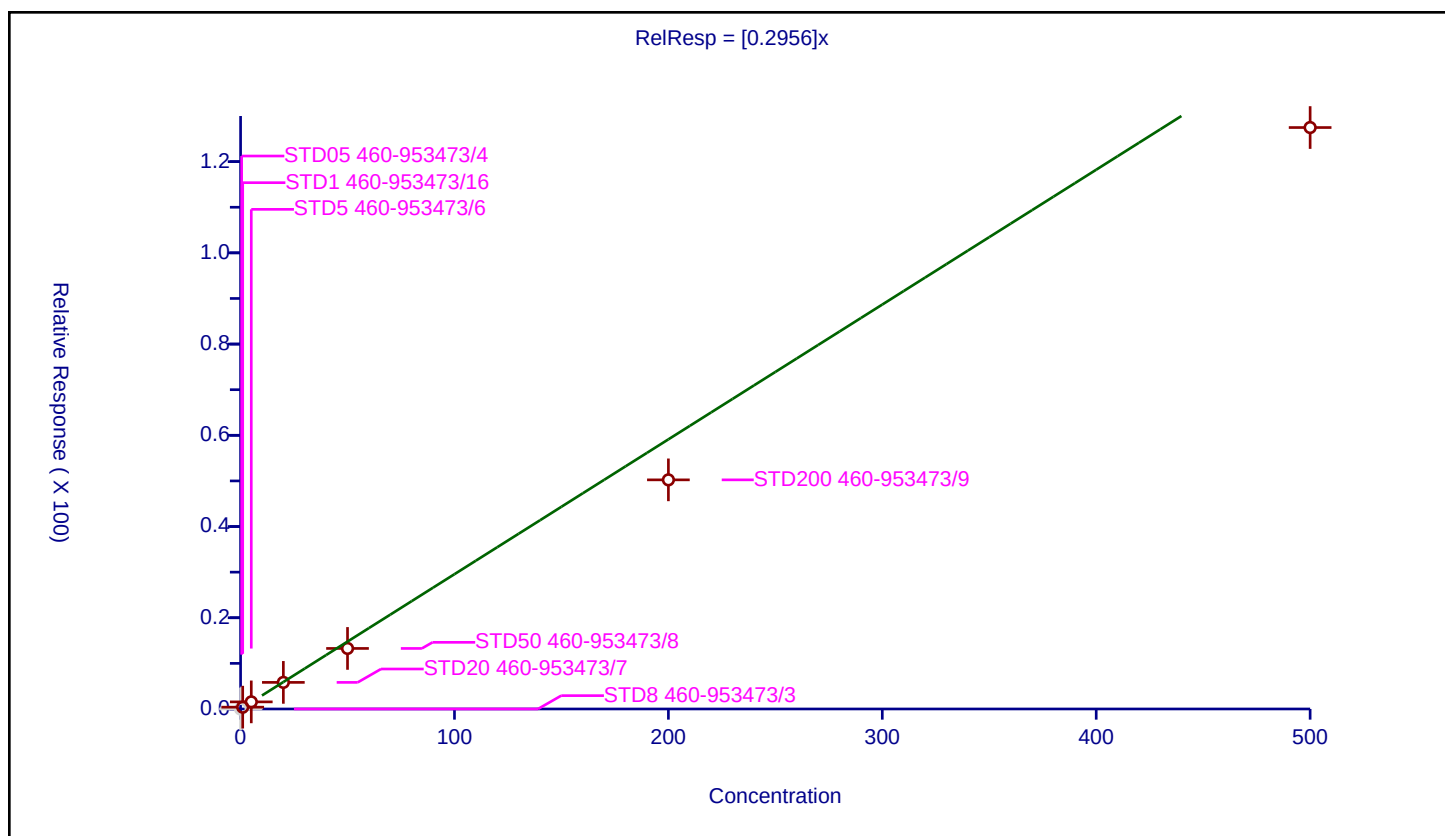
Curve Coefficients

Intercept: 0
Slope: 0.2956

Error Coefficients

Standard Error: 1000000
Relative Standard Error: 18.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.218964	50.0	638918.0	0.437928	N
3	STD1 460-953473/16	1.0	0.39837	50.0	681779.0	0.39837	Y
4	STD5 460-953473/6	5.0	1.558302	50.0	648815.0	0.31166	Y
5	STD20 460-953473/7	20.0	5.834453	50.0	684700.0	0.291723	Y
6	STD50 460-953473/8	50.0	13.275961	50.0	730900.0	0.265519	Y
7	STD200 460-953473/9	200.0	50.233513	50.0	791389.0	0.251168	Y
8	STD500 460-953473/10	500.0	127.472944	50.0	818751.0	0.254946	Y



Calibration

/ 2-Methyl-1,3-butadiene

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

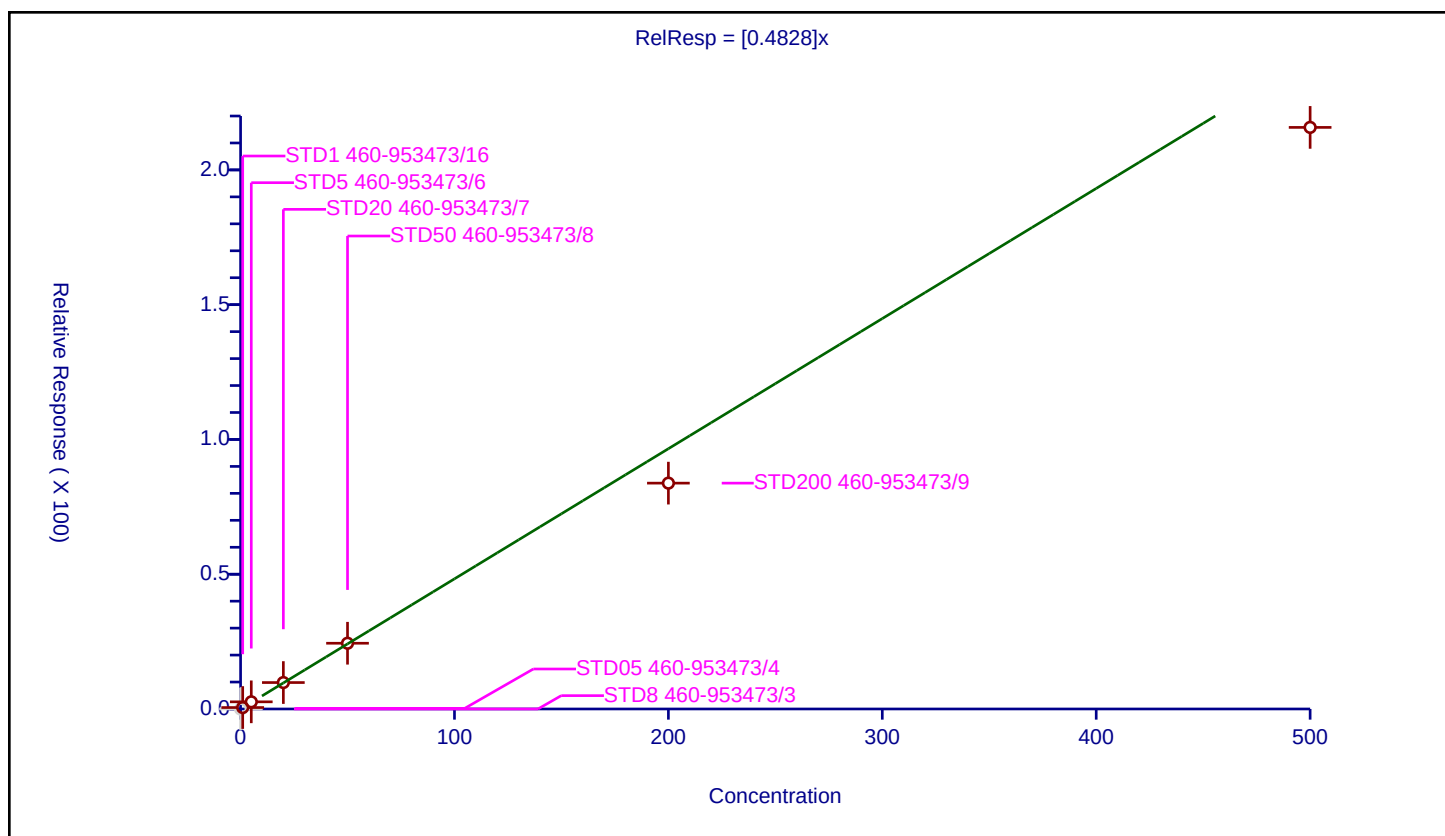
Curve Coefficients

Intercept: 0
Slope: 0.4828

Error Coefficients

Standard Error: 1700000
Relative Standard Error: 10.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.231172	50.0	638918.0	0.462344	N
3	STD1 460-953473/16	1.0	0.536684	50.0	681779.0	0.536684	Y
4	STD5 460-953473/6	5.0	2.65615	50.0	648815.0	0.53123	Y
5	STD20 460-953473/7	20.0	9.811231	50.0	684700.0	0.490562	Y
6	STD50 460-953473/8	50.0	24.396361	50.0	730900.0	0.487927	Y
7	STD200 460-953473/9	200.0	83.795074	50.0	791389.0	0.418975	Y
8	STD500 460-953473/10	500.0	215.77824	50.0	818751.0	0.431556	Y



Calibration

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

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

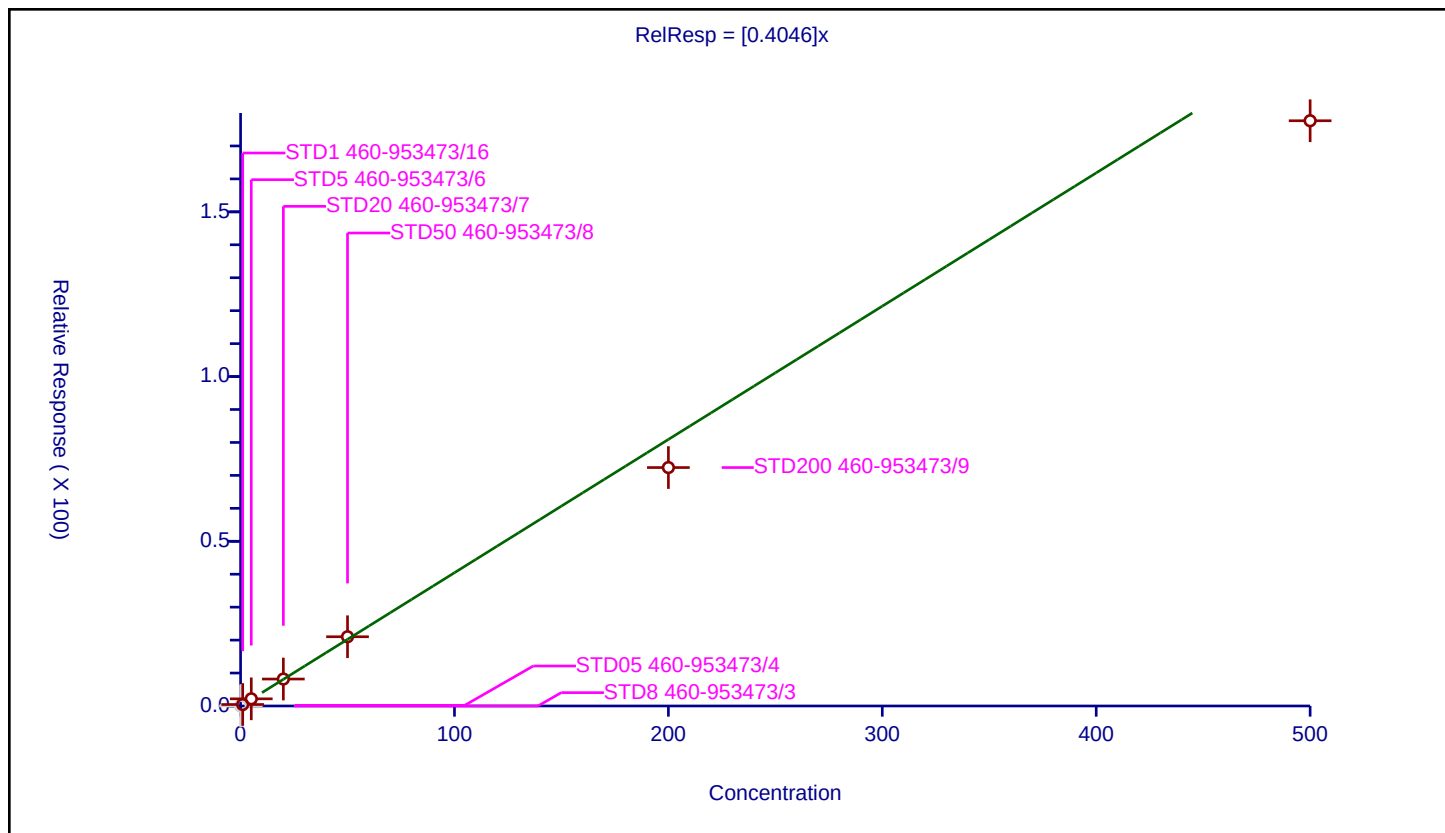
Curve Coefficients

Intercept: 0
Slope: 0.4046

Error Coefficients

Standard Error: 1410000
Relative Standard Error: 9.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.200339	50.0	638918.0	0.400677	N
3	STD1 460-953473/16	1.0	0.445819	50.0	681779.0	0.445819	Y
4	STD5 460-953473/6	5.0	2.17404	50.0	648815.0	0.434808	Y
5	STD20 460-953473/7	20.0	8.183073	50.0	684700.0	0.409154	Y
6	STD50 460-953473/8	50.0	21.016418	50.0	730900.0	0.420328	Y
7	STD200 460-953473/9	200.0	72.378059	50.0	791389.0	0.36189	Y
8	STD500 460-953473/10	500.0	177.656455	50.0	818751.0	0.355313	Y



Calibration

/ Acrolein

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

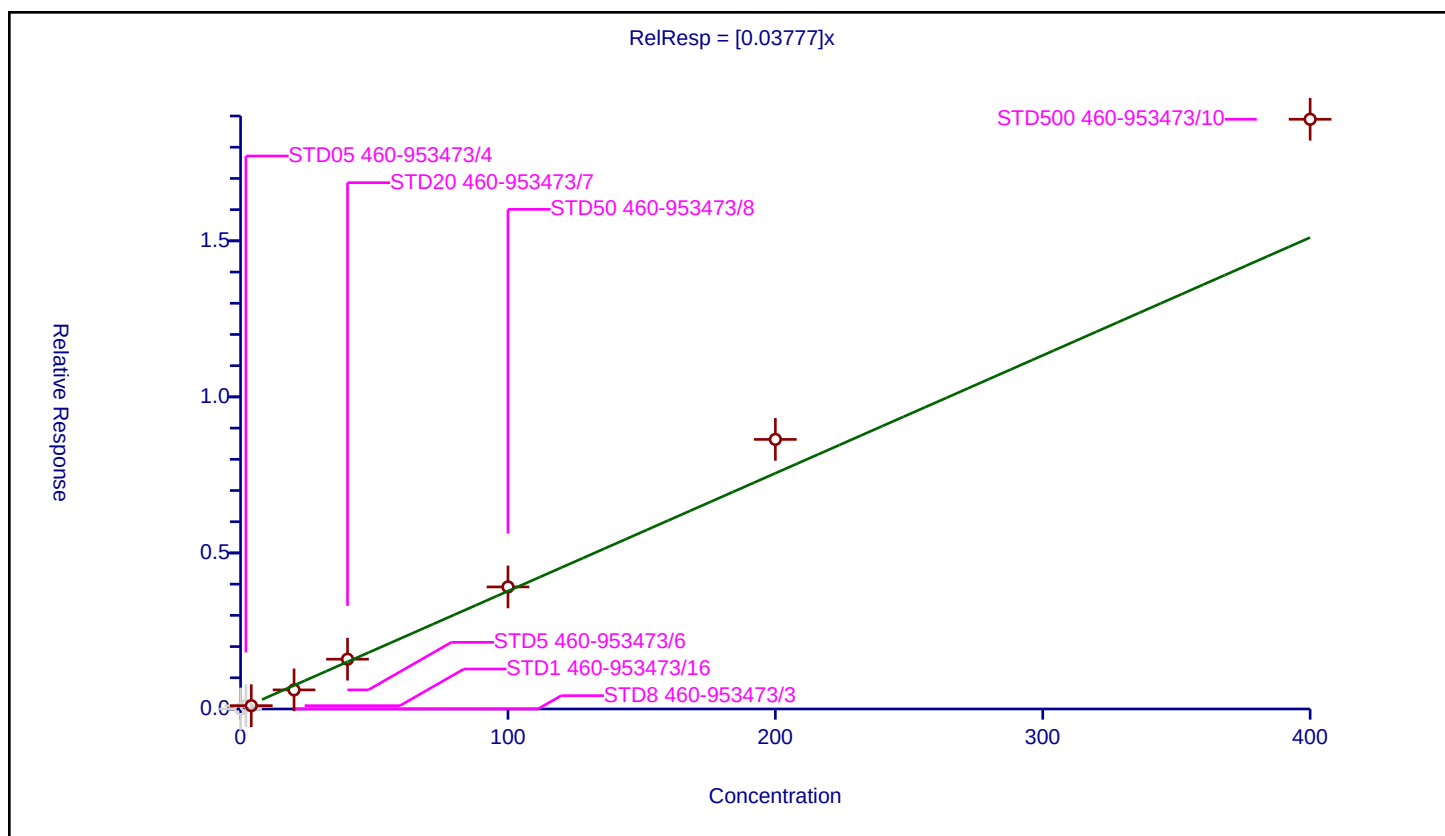
Curve Coefficients

Intercept: 0
Slope: 0.03777

Error Coefficients

Standard Error: 154000
Relative Standard Error: 20.6
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	2.0	0.103221	50.0	638918.0	0.051611	N
3	STD1 460-953473/16	4.0	0.106266	50.0	681779.0	0.026567	Y
4	STD5 460-953473/6	20.0	0.611962	50.0	648815.0	0.030598	Y
5	STD20 460-953473/7	40.0	1.595662	50.0	684700.0	0.039892	Y
6	STD50 460-953473/8	100.0	3.911547	50.0	730900.0	0.039115	Y
7	STD200 460-953473/9	200.0	8.638167	50.0	791389.0	0.043191	Y
8	STD500 460-953473/10	400.0	18.895611	50.0	818751.0	0.047239	Y



Calibration

/ 1,1-Dichloroethene

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

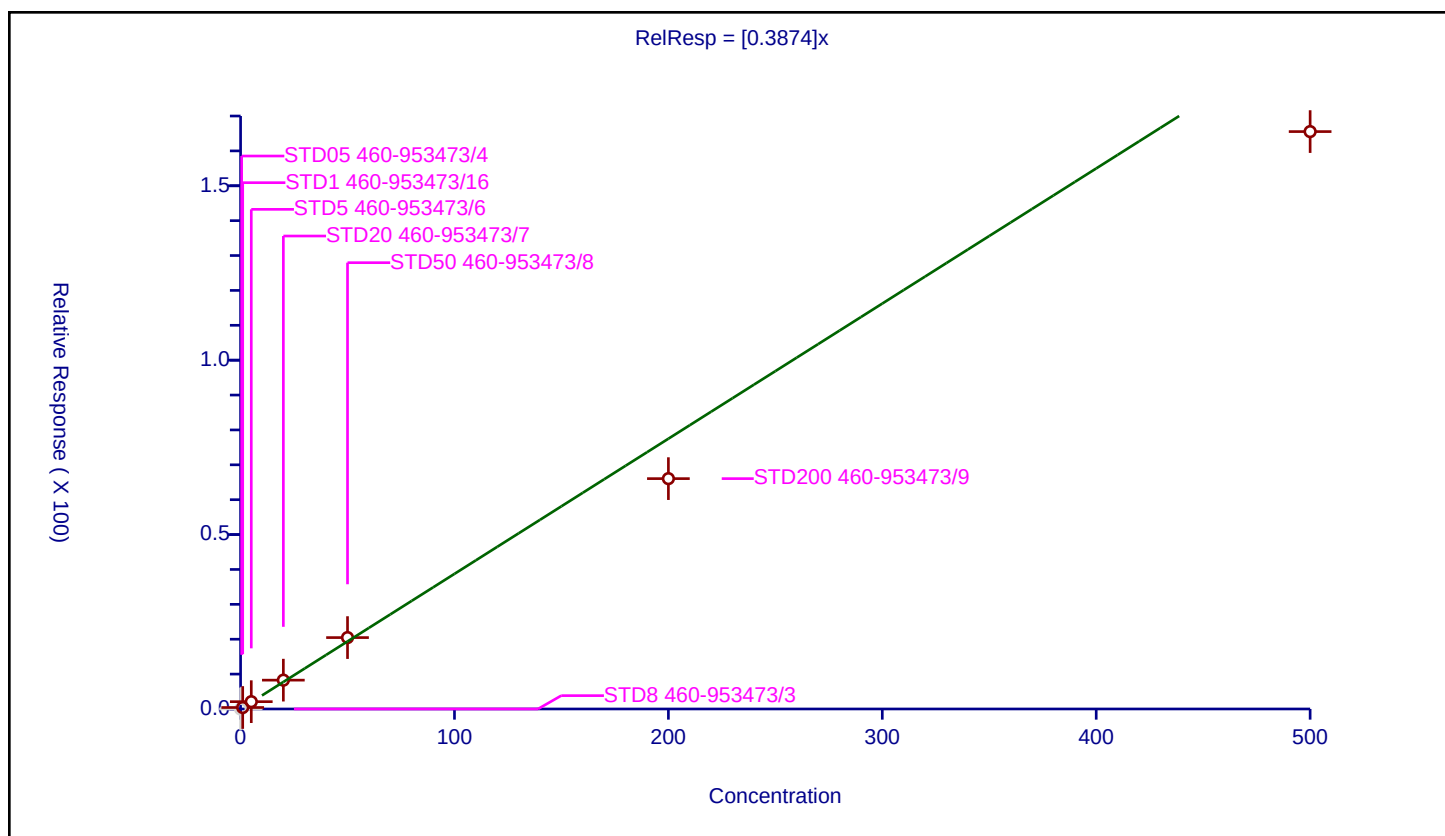
Curve Coefficients

Intercept: 0
Slope: 0.3874

Error Coefficients

Standard Error: 1310000
Relative Standard Error: 11.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.238763	50.0	638918.0	0.477526	N
3	STD1 460-953473/16	1.0	0.421178	50.0	681779.0	0.421178	Y
4	STD5 460-953473/6	5.0	2.0969	50.0	648815.0	0.41938	Y
5	STD20 460-953473/7	20.0	8.267708	50.0	684700.0	0.413385	Y
6	STD50 460-953473/8	50.0	20.469832	50.0	730900.0	0.409397	Y
7	STD200 460-953473/9	200.0	66.038383	50.0	791389.0	0.330192	Y
8	STD500 460-953473/10	500.0	165.53537	50.0	818751.0	0.331071	Y



Calibration

/ Acetone

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

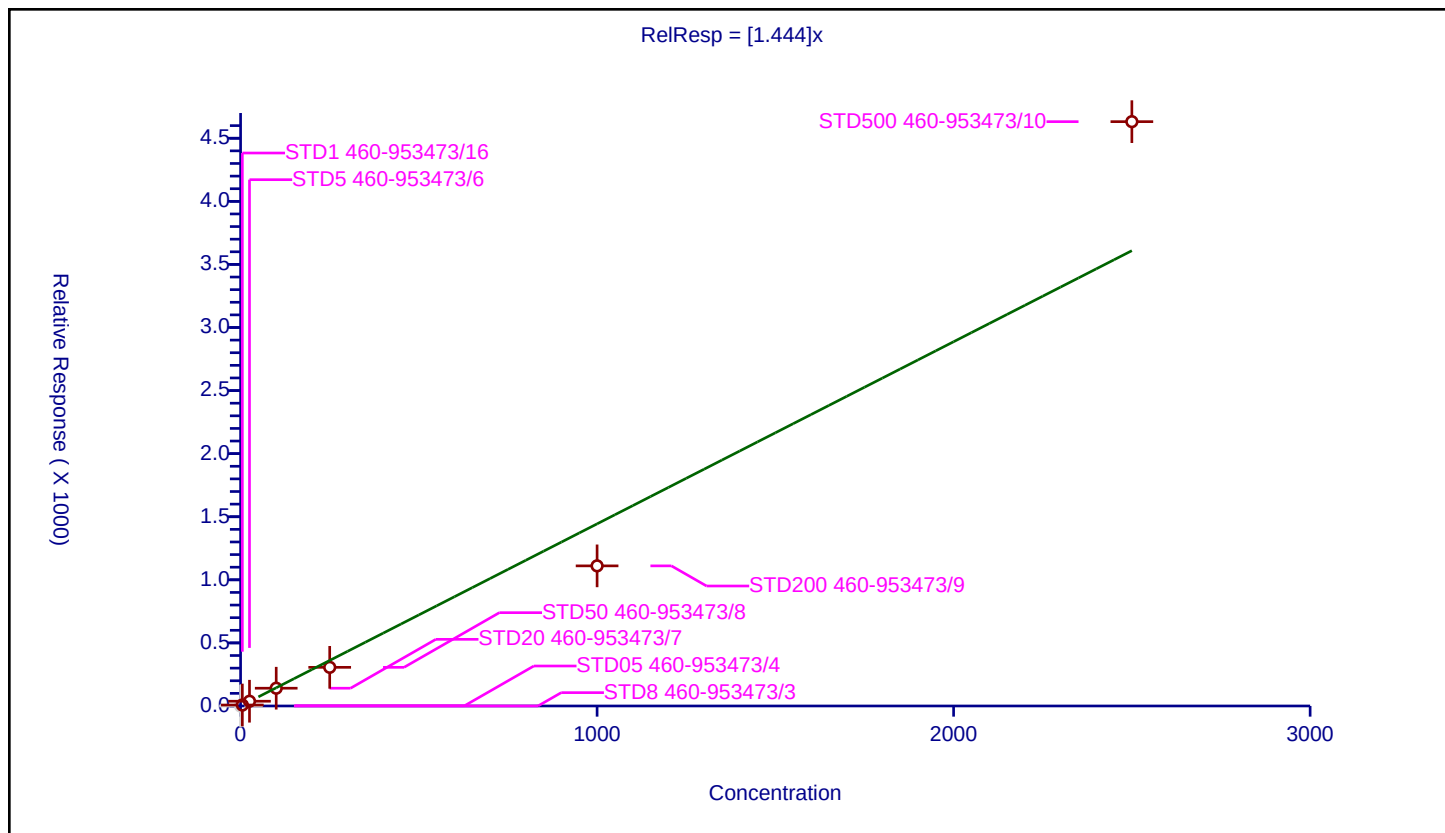
Curve Coefficients

Intercept: 0
Slope: 1.444

Error Coefficients

Standard Error: 3520000
Relative Standard Error: 18.2
Correlation Coefficient: 0.975
Coefficient of Determination (Adjusted): 0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	2.5	1.889734	250.0	303085.0	0.755894	N
3	STD1 460-953473/16	5.0	7.782385	250.0	304823.0	1.556477	Y
4	STD5 460-953473/6	25.0	37.705825	250.0	299284.0	1.508233	Y
5	STD20 460-953473/7	100.0	140.788527	250.0	333470.0	1.407885	Y
6	STD50 460-953473/8	250.0	306.393215	250.0	343583.0	1.225573	Y
7	STD200 460-953473/9	1000.0	1110.659939	250.0	414599.0	1.11066	Y
8	STD500 460-953473/10	2500.0	4631.498647	250.0	412759.0	1.852599	Y



Calibration

/ Isopropyl alcohol

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

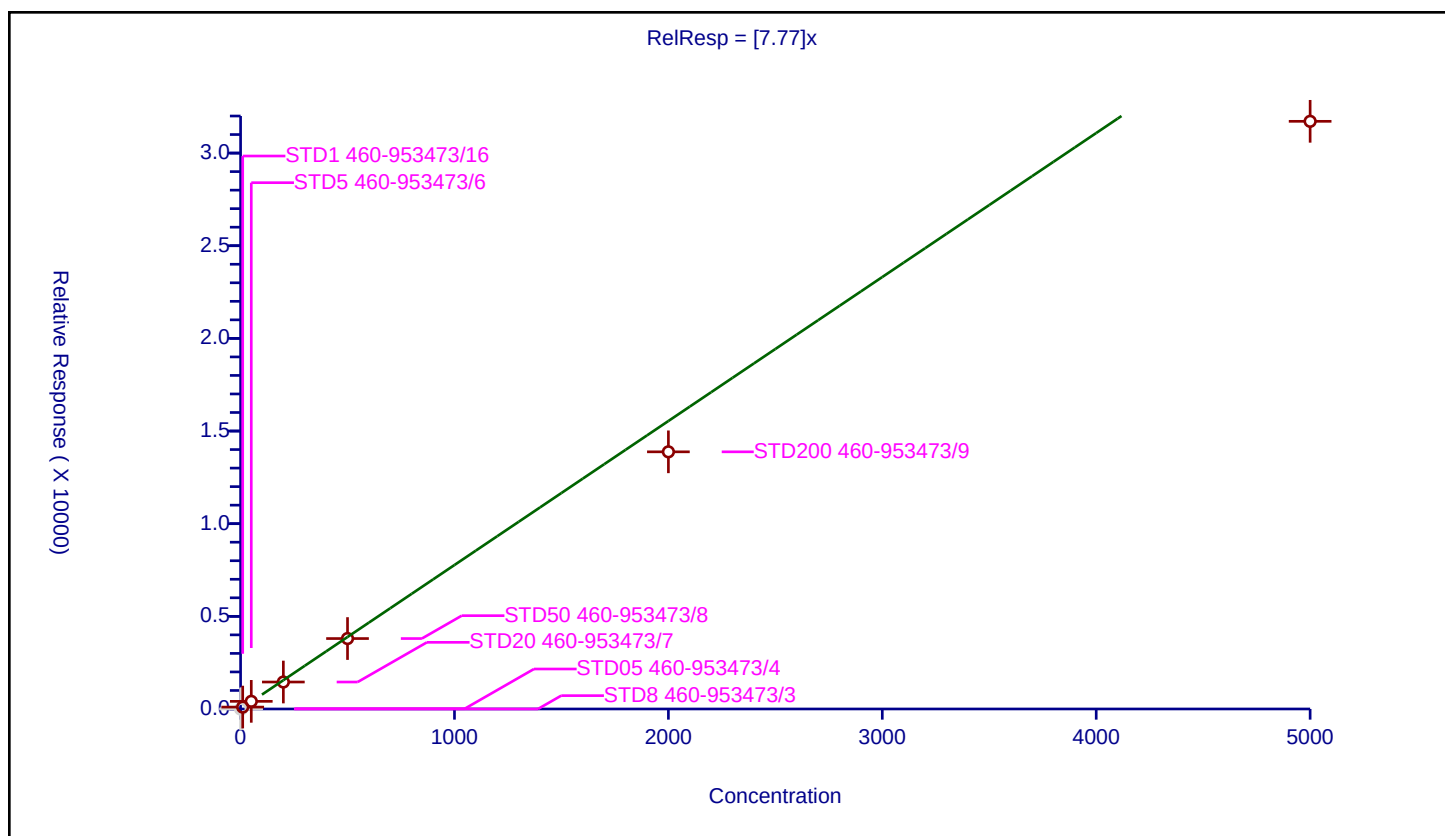
Curve Coefficients

Intercept: 0
Slope: 7.77

Error Coefficients

Standard Error: 808000
Relative Standard Error: 17.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	1000.0	34910.0	NaN	N
2	STD05 460-953473/4	5.0	13.796686	1000.0	34646.0	2.759337	N
3	STD1 460-953473/16	10.0	102.201078	1000.0	34892.0	10.220108	Y
4	STD5 460-953473/6	50.0	412.037739	1000.0	32963.0	8.240755	Y
5	STD20 460-953473/7	200.0	1455.387268	1000.0	40605.0	7.276936	Y
6	STD50 460-953473/8	500.0	3801.68307	1000.0	41353.0	7.603366	Y
7	STD200 460-953473/9	2000.0	13877.729431	1000.0	50331.0	6.938865	Y
8	STD500 460-953473/10	5000.0	31714.011588	1000.0	53677.0	6.342802	Y



Calibration

/ Iodomethane

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

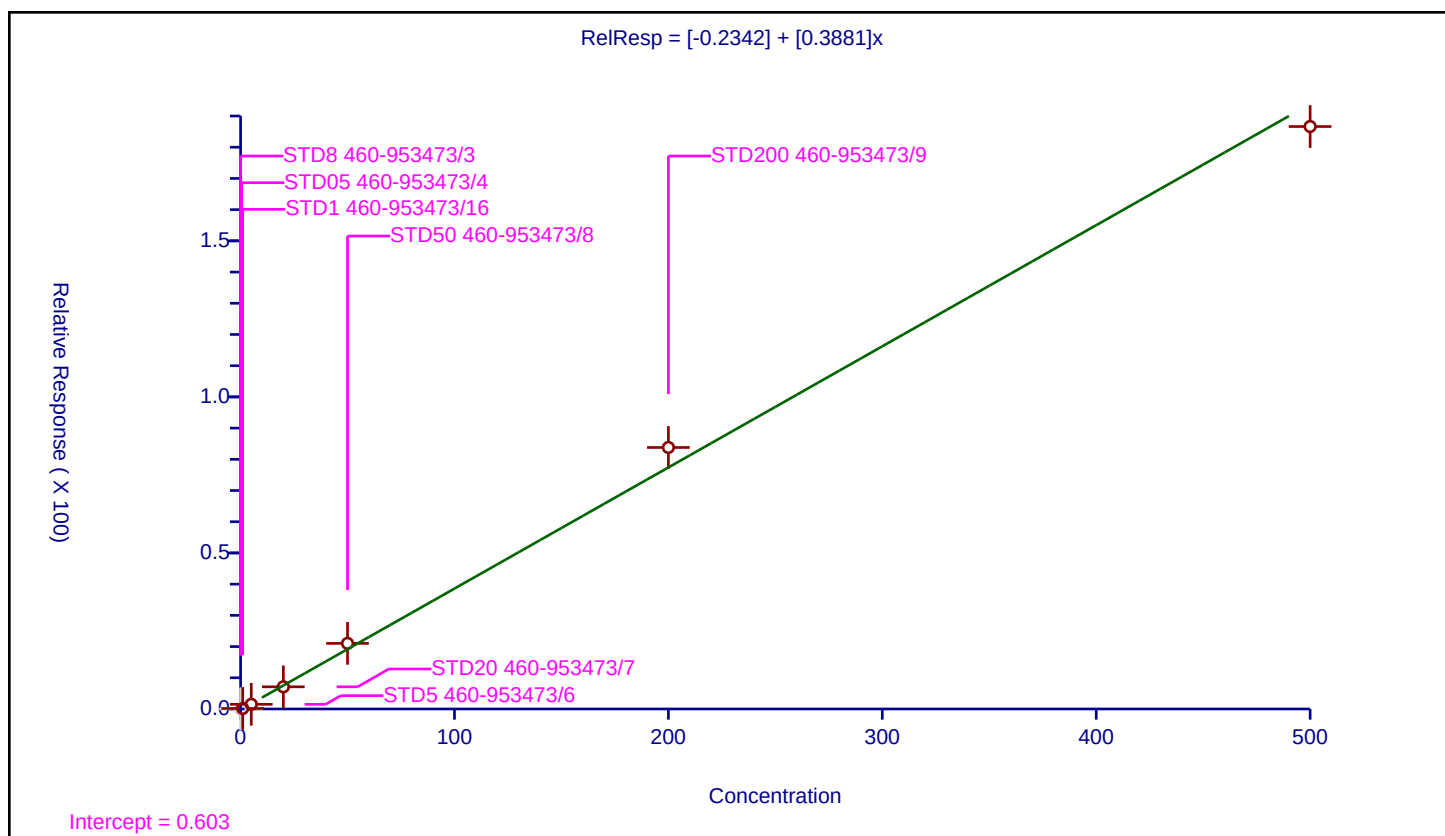
Curve Coefficients

Intercept: -0.2342
Slope: 0.3881

Error Coefficients

Standard Error: 1670000
Relative Standard Error: 9.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.110421	50.0	638918.0	0.220842	N
3	STD1 460-953473/16	1.0	0.162589	50.0	681779.0	0.162589	Y
4	STD5 460-953473/6	5.0	1.496035	50.0	648815.0	0.299207	Y
5	STD20 460-953473/7	20.0	7.103987	50.0	684700.0	0.355199	Y
6	STD50 460-953473/8	50.0	21.0275	50.0	730900.0	0.42055	Y
7	STD200 460-953473/9	200.0	83.795516	50.0	791389.0	0.418978	Y
8	STD500 460-953473/10	500.0	186.631833	50.0	818751.0	0.373264	Y



Calibration

/ Carbon disulfide

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

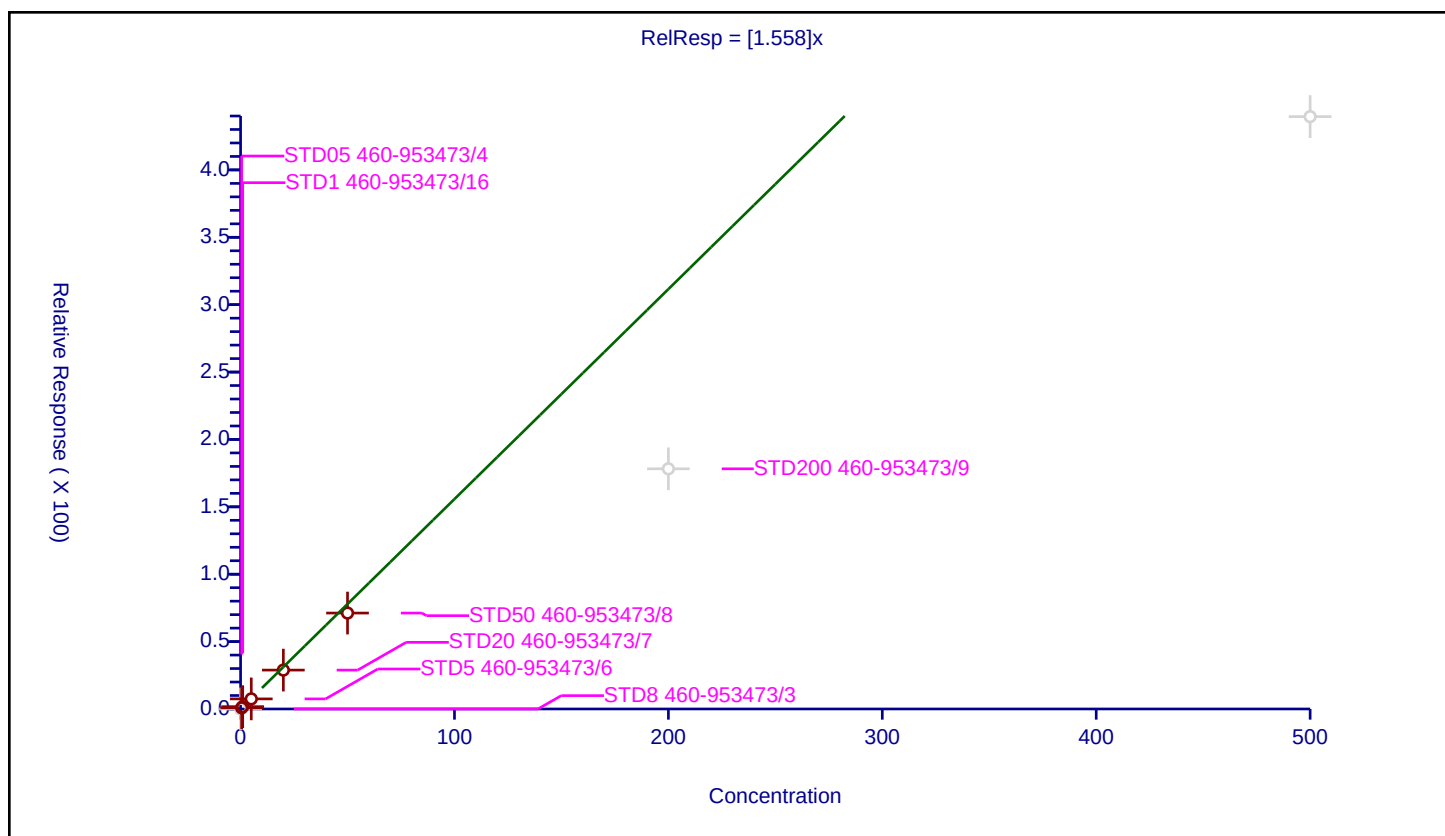
Curve Coefficients

Intercept: 0
Slope: 1.558

Error Coefficients

Standard Error: 559000
Relative Standard Error: 9.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.851126	50.0	638918.0	1.702253	Y
3	STD1 460-953473/16	1.0	1.723799	50.0	681779.0	1.723799	Y
4	STD5 460-953473/6	5.0	7.482179	50.0	648815.0	1.496436	Y
5	STD20 460-953473/7	20.0	28.855995	50.0	684700.0	1.4428	Y
6	STD50 460-953473/8	50.0	71.190519	50.0	730900.0	1.42381	Y
7	STD200 460-953473/9	200.0	178.217413	50.0	791389.0	0.891087	N
8	STD500 460-953473/10	500.0	439.544868	50.0	818751.0	0.87909	N



Calibration

/ 3-Chloro-1-propene

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

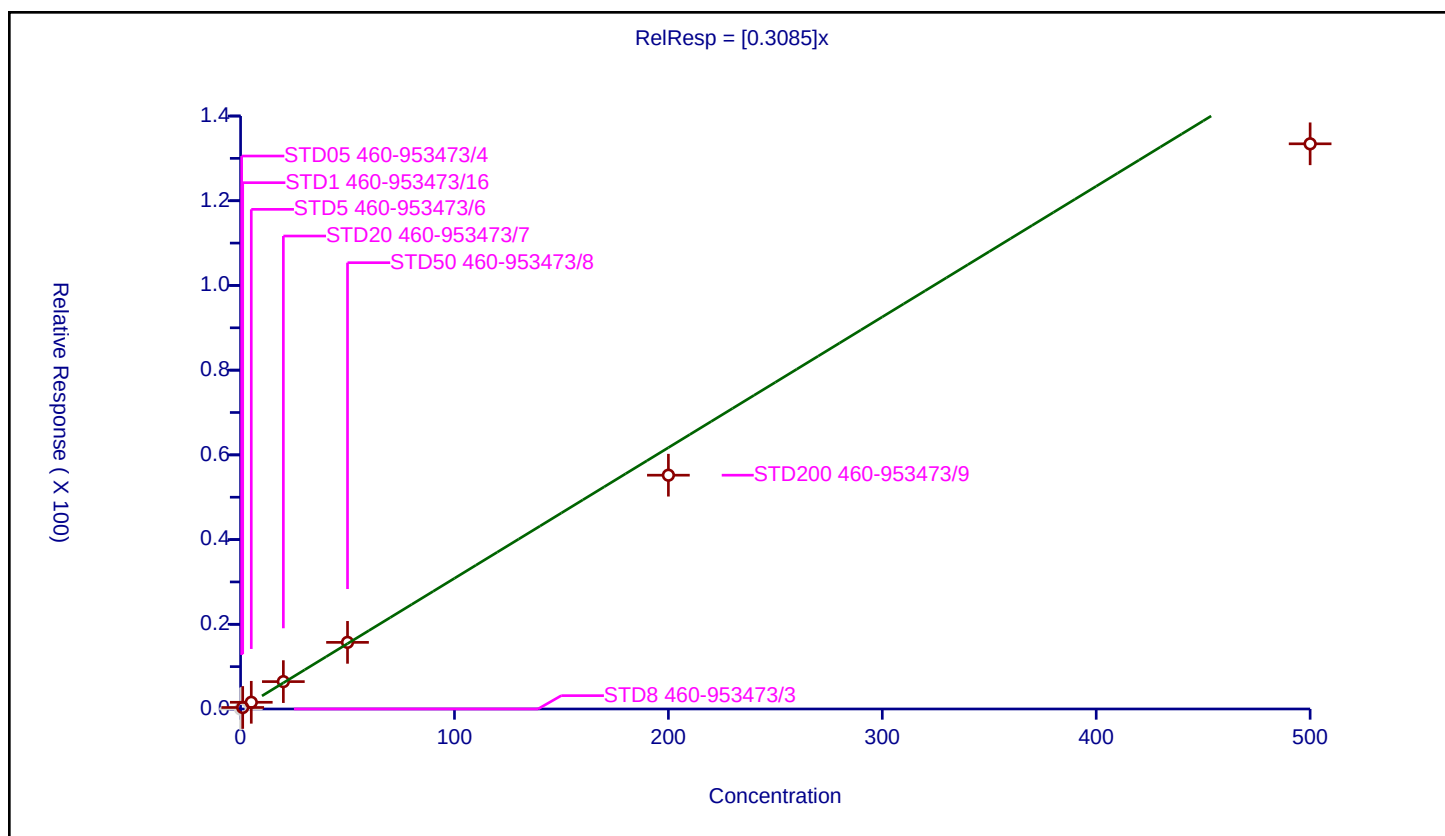
Curve Coefficients

Intercept: 0
Slope: 0.3085

Error Coefficients

Standard Error: 1060000
Relative Standard Error: 10.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.166375	50.0	638918.0	0.33275	N
3	STD1 460-953473/16	1.0	0.354	50.0	681779.0	0.354	Y
4	STD5 460-953473/6	5.0	1.583117	50.0	648815.0	0.316623	Y
5	STD20 460-953473/7	20.0	6.464072	50.0	684700.0	0.323204	Y
6	STD50 460-953473/8	50.0	15.728622	50.0	730900.0	0.314572	Y
7	STD200 460-953473/9	200.0	55.200603	50.0	791389.0	0.276003	Y
8	STD500 460-953473/10	500.0	133.436417	50.0	818751.0	0.266873	Y



Calibration

/ Methyl acetate

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

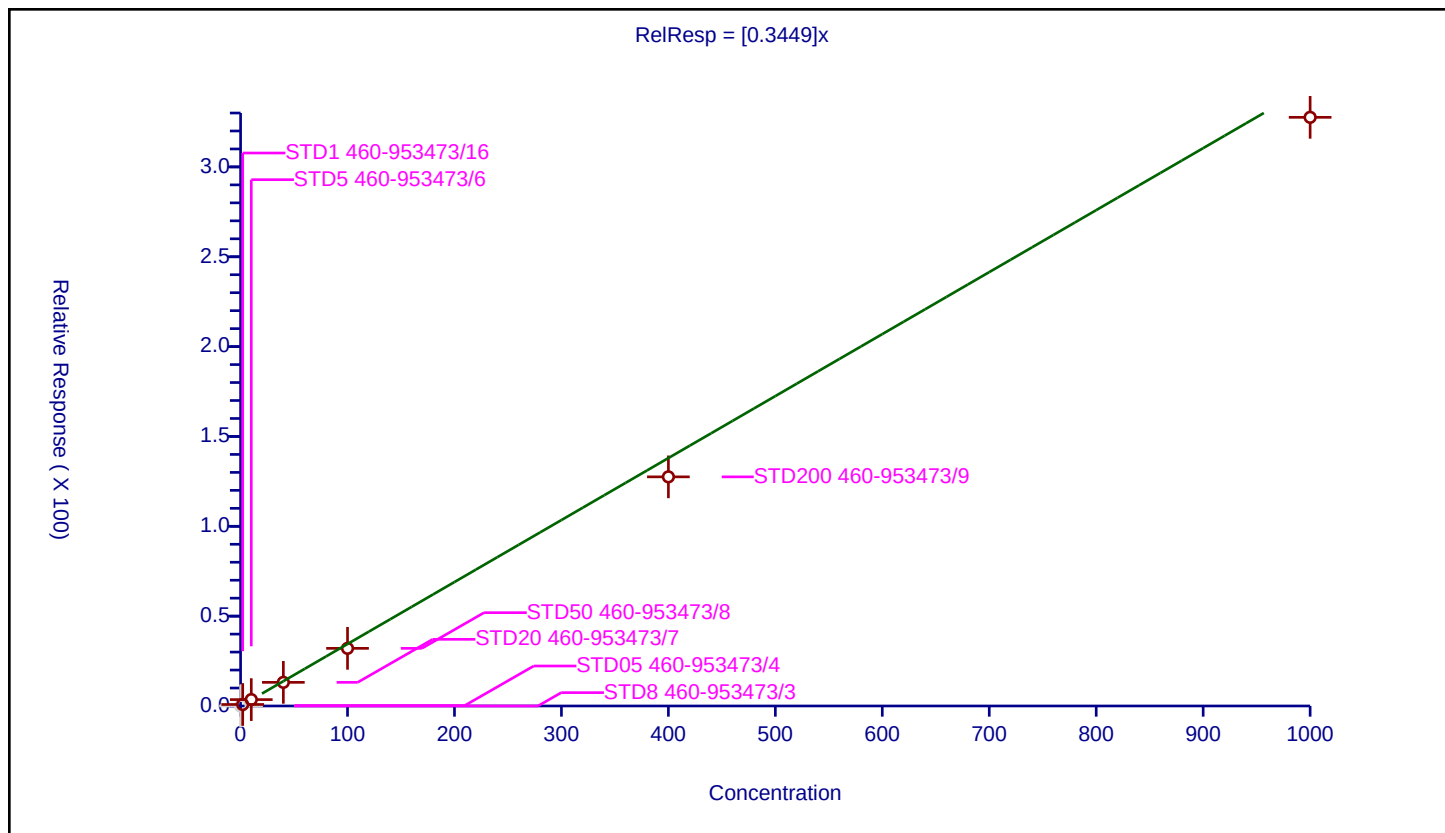
Curve Coefficients

Intercept: 0
Slope: 0.3449

Error Coefficients

Standard Error: 2570000
Relative Standard Error: 11.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	1.0	0.223112	50.0	638918.0	0.223112	N
3	STD1 460-953473/16	2.0	0.835168	50.0	681779.0	0.417584	Y
4	STD5 460-953473/6	10.0	3.560106	50.0	648815.0	0.356011	Y
5	STD20 460-953473/7	40.0	13.15379	50.0	684700.0	0.328845	Y
6	STD50 460-953473/8	100.0	32.07737	50.0	730900.0	0.320774	Y
7	STD200 460-953473/9	400.0	127.52041	50.0	791389.0	0.318801	Y
8	STD500 460-953473/10	1000.0	327.600394	50.0	818751.0	0.3276	Y



Calibration

/ Acetonitrile

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

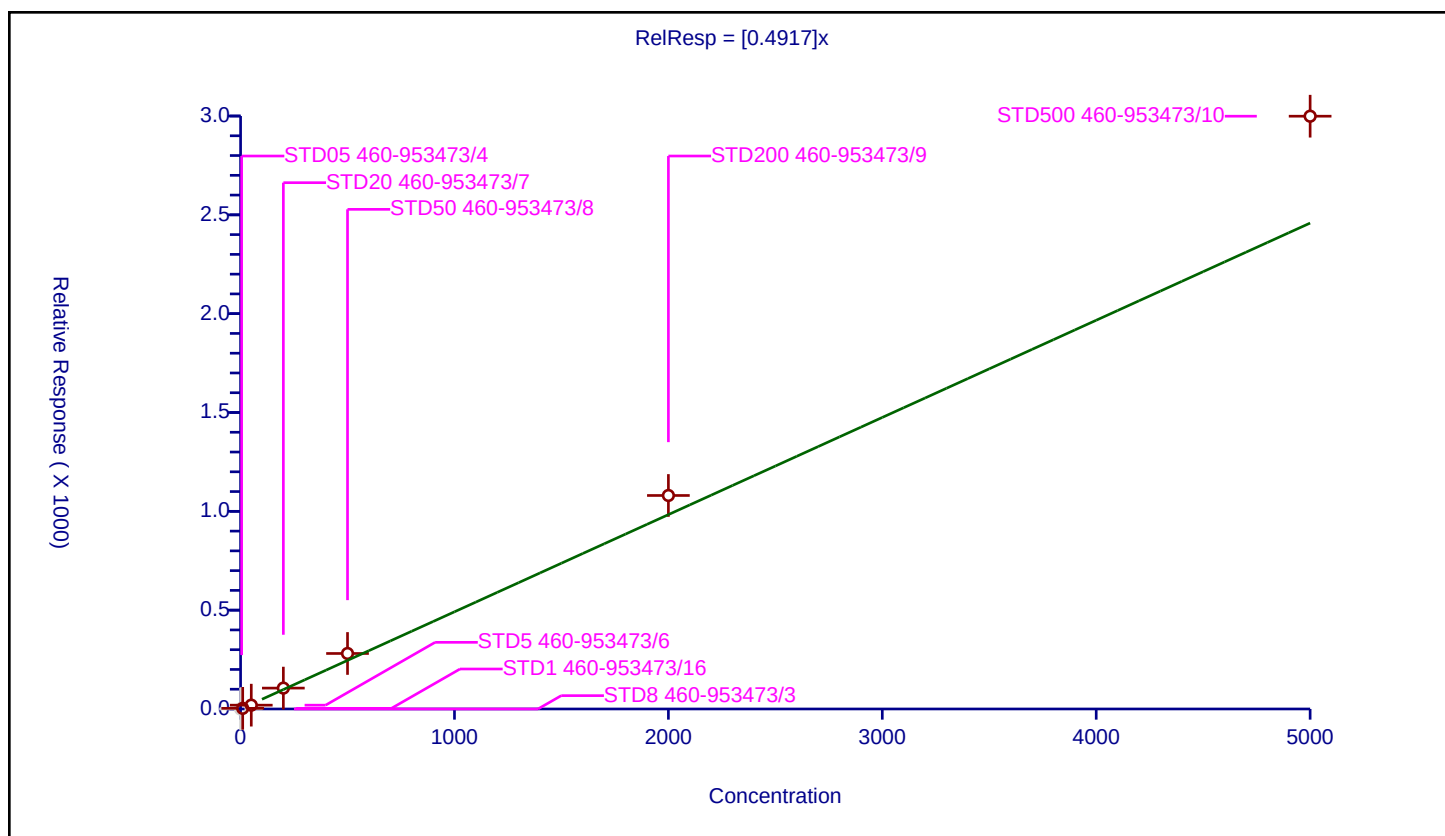
Curve Coefficients

Intercept: 0
Slope: 0.4917

Error Coefficients

Standard Error: 2360000
Relative Standard Error: 21.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	5.0	2.808618	250.0	303085.0	0.561724	N
3	STD1 460-953473/16	10.0	3.32078	250.0	304823.0	0.332078	Y
4	STD5 460-953473/6	50.0	19.412999	250.0	299284.0	0.38826	Y
5	STD20 460-953473/7	200.0	105.646685	250.0	333470.0	0.528233	Y
6	STD50 460-953473/8	500.0	280.777862	250.0	343583.0	0.561556	Y
7	STD200 460-953473/9	2000.0	1080.192547	250.0	414599.0	0.540096	Y
8	STD500 460-953473/10	5000.0	2999.110256	250.0	412759.0	0.599822	Y



Calibration

/ Methylene Chloride

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

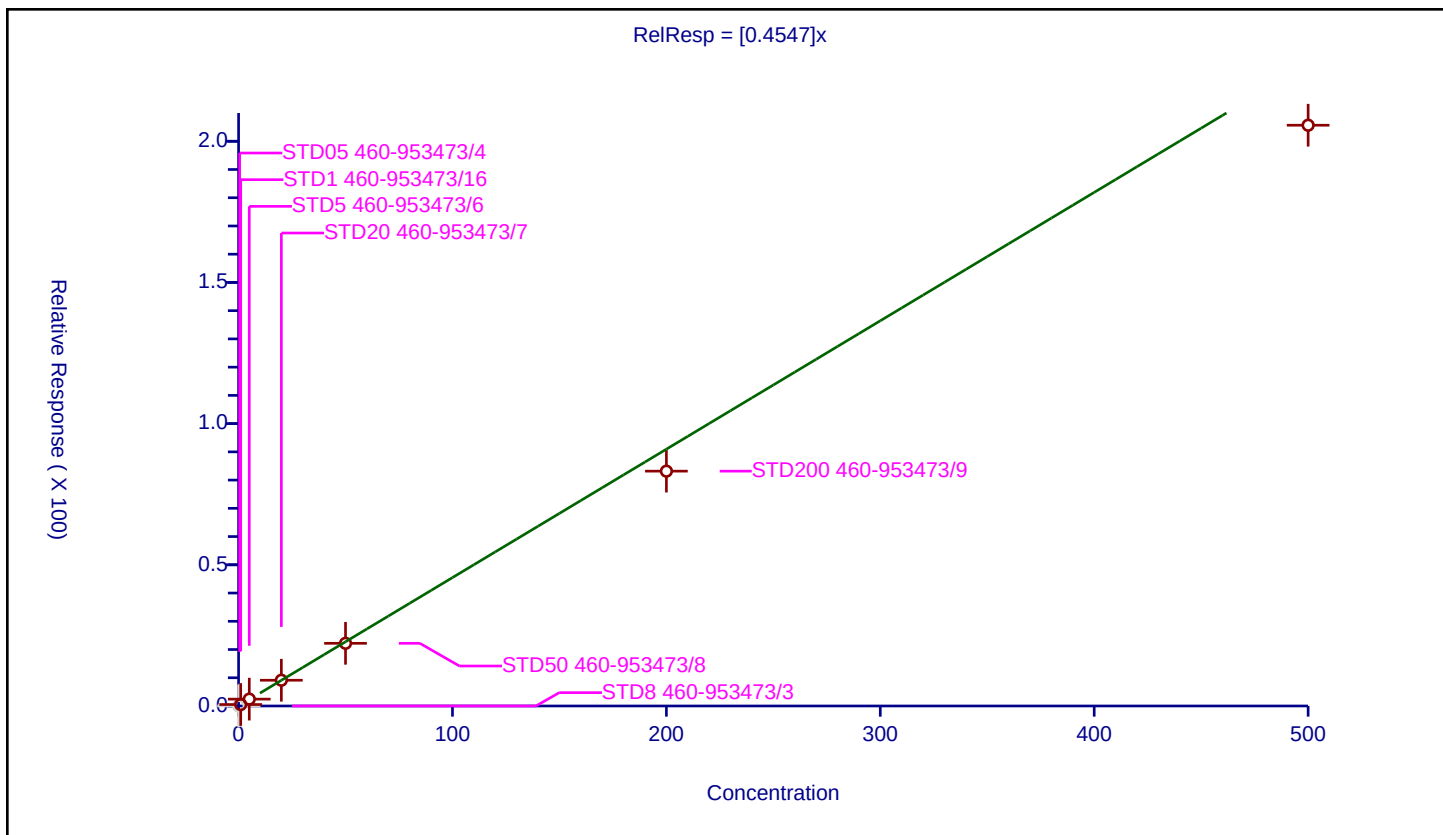
Curve Coefficients

Intercept: 0
 Slope: 0.4547

Error Coefficients

Standard Error: 1620000
 Relative Standard Error: 8.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.299569	50.0	638918.0	0.599138	N
3	STD1 460-953473/16	1.0	0.514536	50.0	681779.0	0.514536	Y
4	STD5 460-953473/6	5.0	2.43413	50.0	648815.0	0.486826	Y
5	STD20 460-953473/7	20.0	9.118665	50.0	684700.0	0.455933	Y
6	STD50 460-953473/8	50.0	22.193939	50.0	730900.0	0.443879	Y
7	STD200 460-953473/9	200.0	83.16479	50.0	791389.0	0.415824	Y
8	STD500 460-953473/10	500.0	205.678833	50.0	818751.0	0.411358	Y



Calibration

/ 2-Methyl-2-propanol

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

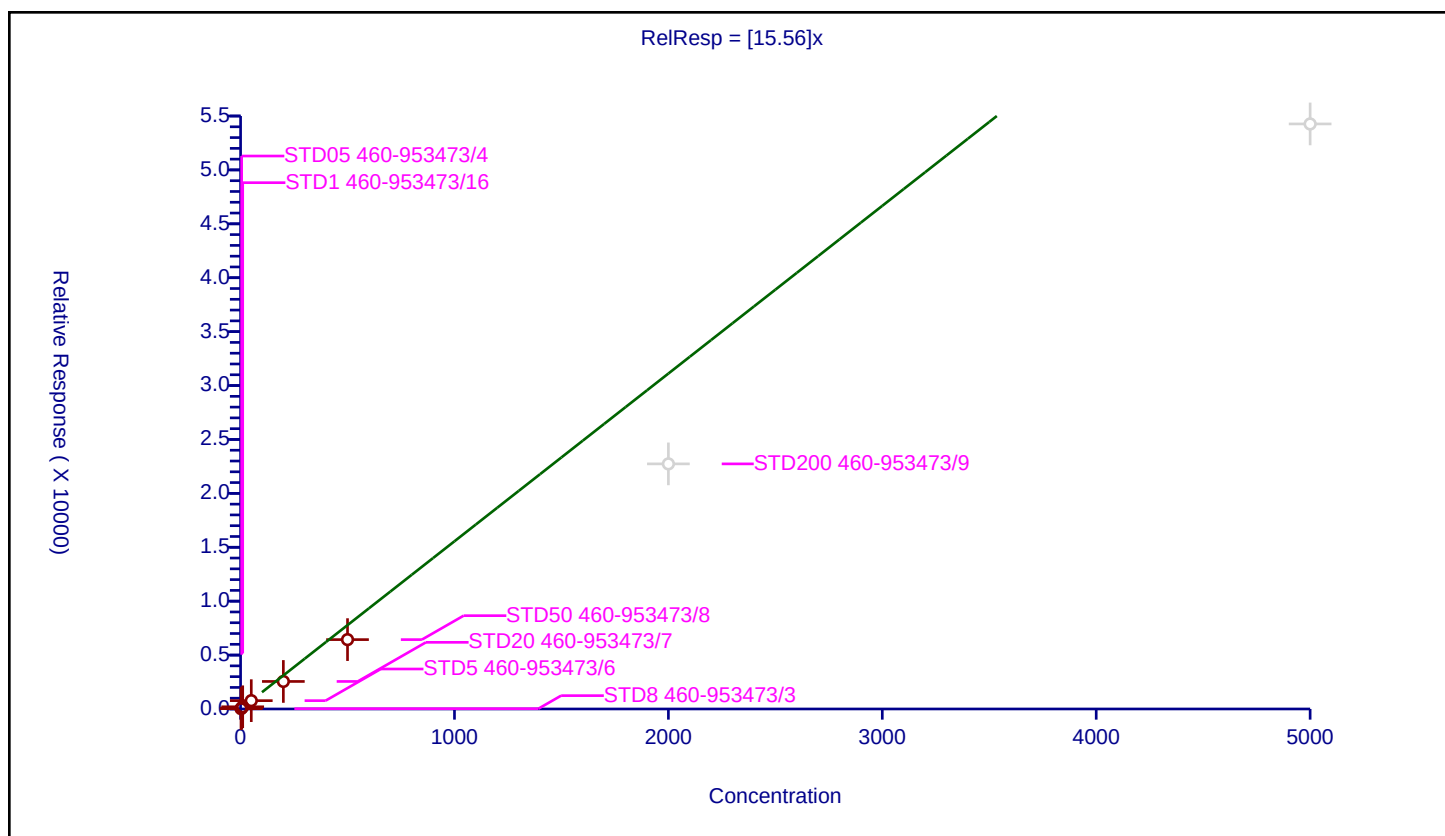
Curve Coefficients

Intercept: 0
Slope: 15.56

Error Coefficients

Standard Error: 125000
Relative Standard Error: 19.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	2.0	28.444572	1000.0	34910.0	14.222286	Y
2	STD05 460-953473/4	5.0	87.917797	1000.0	34646.0	17.583559	Y
3	STD1 460-953473/16	10.0	204.316176	1000.0	34892.0	20.431618	Y
4	STD5 460-953473/6	50.0	773.260929	1000.0	32963.0	15.465219	Y
5	STD20 460-953473/7	200.0	2554.045068	1000.0	40605.0	12.770225	Y
6	STD50 460-953473/8	500.0	6434.309482	1000.0	41353.0	12.868619	Y
7	STD200 460-953473/9	2000.0	22734.239336	1000.0	50331.0	11.36712	N
8	STD500 460-953473/10	5000.0	54264.135477	1000.0	53677.0	10.852827	N



Calibration

/ Methyl tert-butyl ether

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

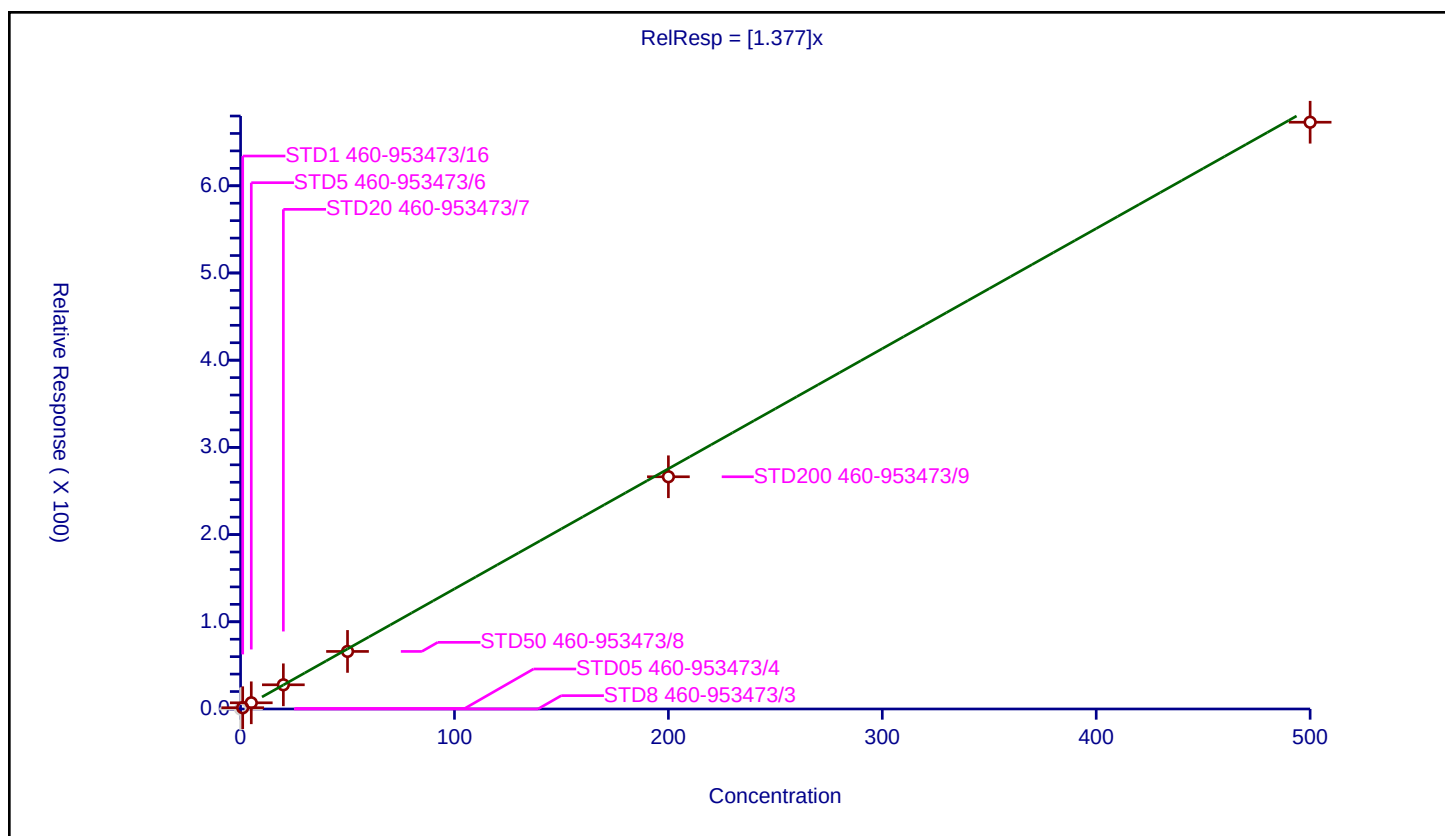
Curve Coefficients

Intercept: 0
 Slope: 1.377

Error Coefficients

Standard Error: 5300000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.603442	50.0	638918.0	1.206884	N
3	STD1 460-953473/16	1.0	1.457437	50.0	681779.0	1.457437	Y
4	STD5 460-953473/6	5.0	7.114817	50.0	648815.0	1.422963	Y
5	STD20 460-953473/7	20.0	27.736308	50.0	684700.0	1.386815	Y
6	STD50 460-953473/8	50.0	65.997811	50.0	730900.0	1.319956	Y
7	STD200 460-953473/9	200.0	266.318081	50.0	791389.0	1.33159	Y
8	STD500 460-953473/10	500.0	672.861346	50.0	818751.0	1.345723	Y



Calibration

/ trans-1,2-Dichloroethene

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

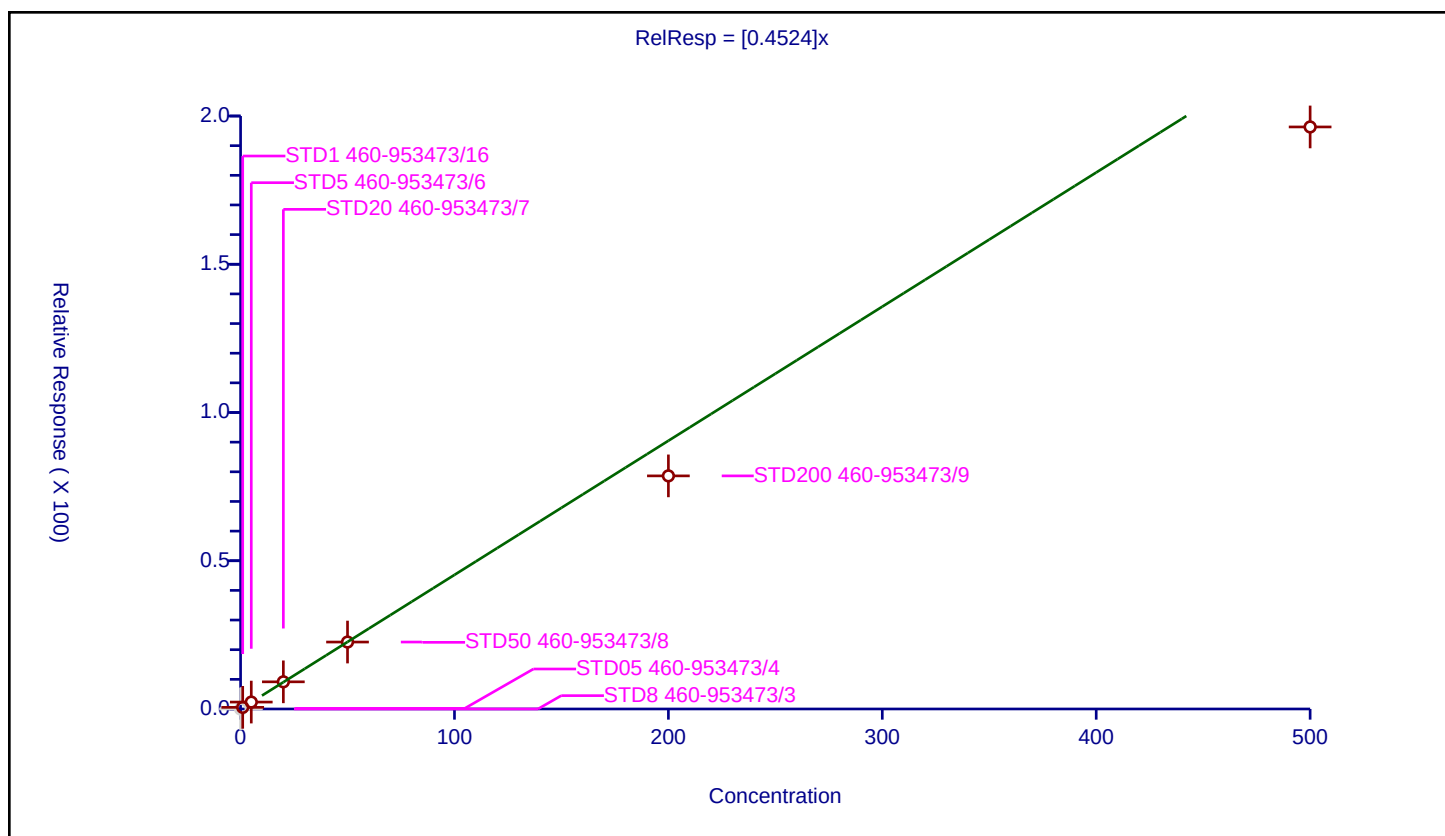
Curve Coefficients

Intercept: 0
Slope: 0.4524

Error Coefficients

Standard Error: 1550000
Relative Standard Error: 13.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.195174	50.0	638918.0	0.390347	N
3	STD1 460-953473/16	1.0	0.552598	50.0	681779.0	0.552598	Y
4	STD5 460-953473/6	5.0	2.329863	50.0	648815.0	0.465973	Y
5	STD20 460-953473/7	20.0	9.164452	50.0	684700.0	0.458223	Y
6	STD50 460-953473/8	50.0	22.58339	50.0	730900.0	0.451668	Y
7	STD200 460-953473/9	200.0	78.620501	50.0	791389.0	0.393103	Y
8	STD500 460-953473/10	500.0	196.312432	50.0	818751.0	0.392625	Y



Calibration

/ Acrylonitrile

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

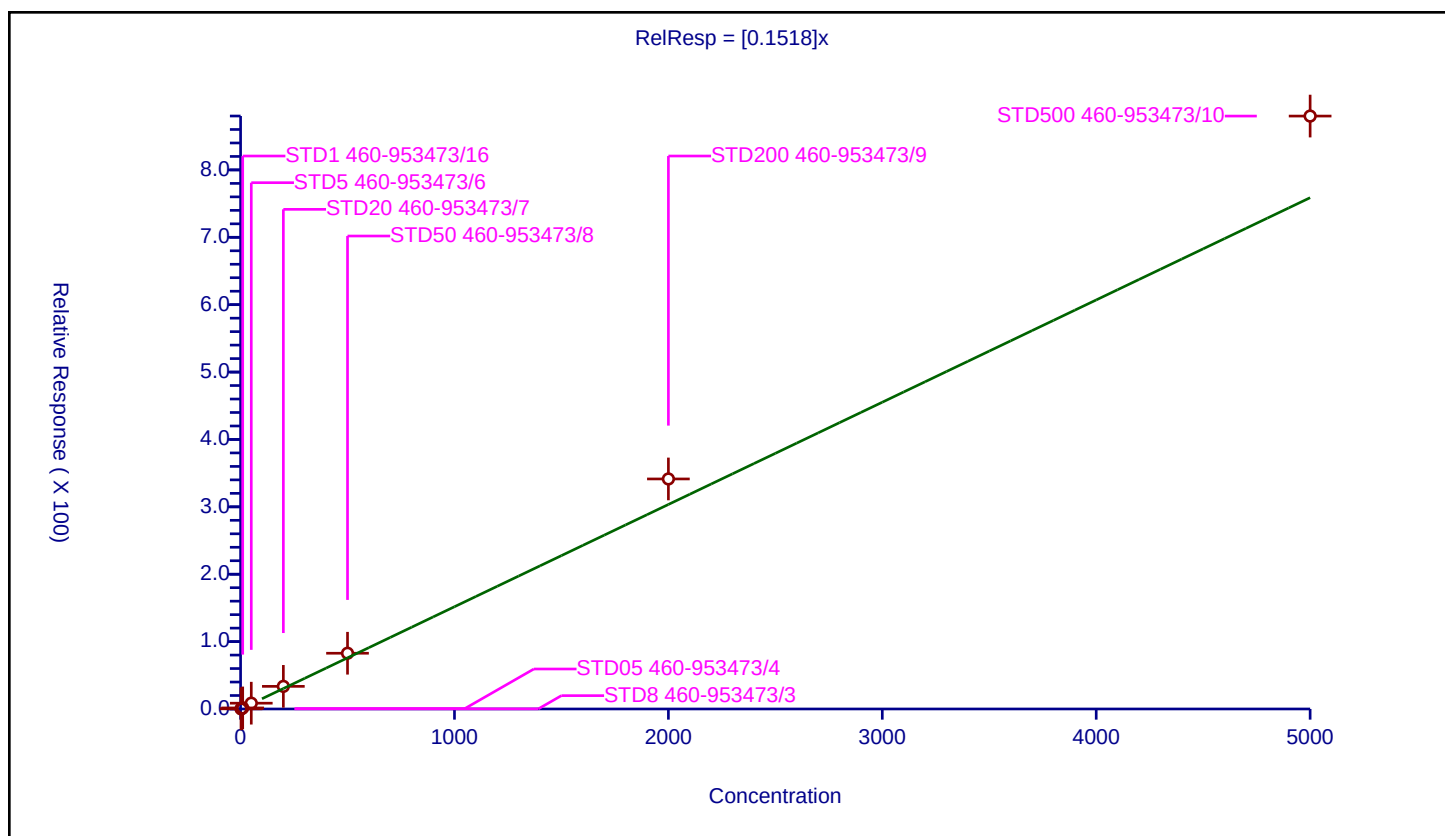
Curve Coefficients

Intercept: 0
Slope: 0.1518

Error Coefficients

Standard Error: 5840000
Relative Standard Error: 20.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.959

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	2.0	0.217624	50.0	636877.0	0.108812	Y
2	STD05 460-953473/4	5.0	0.484256	50.0	638918.0	0.096851	Y
3	STD1 460-953473/16	10.0	1.565243	50.0	681779.0	0.156524	Y
4	STD5 460-953473/6	50.0	8.59621	50.0	648815.0	0.171924	Y
5	STD20 460-953473/7	200.0	33.564992	50.0	684700.0	0.167825	Y
6	STD50 460-953473/8	500.0	82.712546	50.0	730900.0	0.165425	Y
7	STD200 460-953473/9	2000.0	341.375986	50.0	791389.0	0.170688	Y
8	STD500 460-953473/10	5000.0	879.930895	50.0	818751.0	0.175986	Y



Calibration

/ Hexane

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

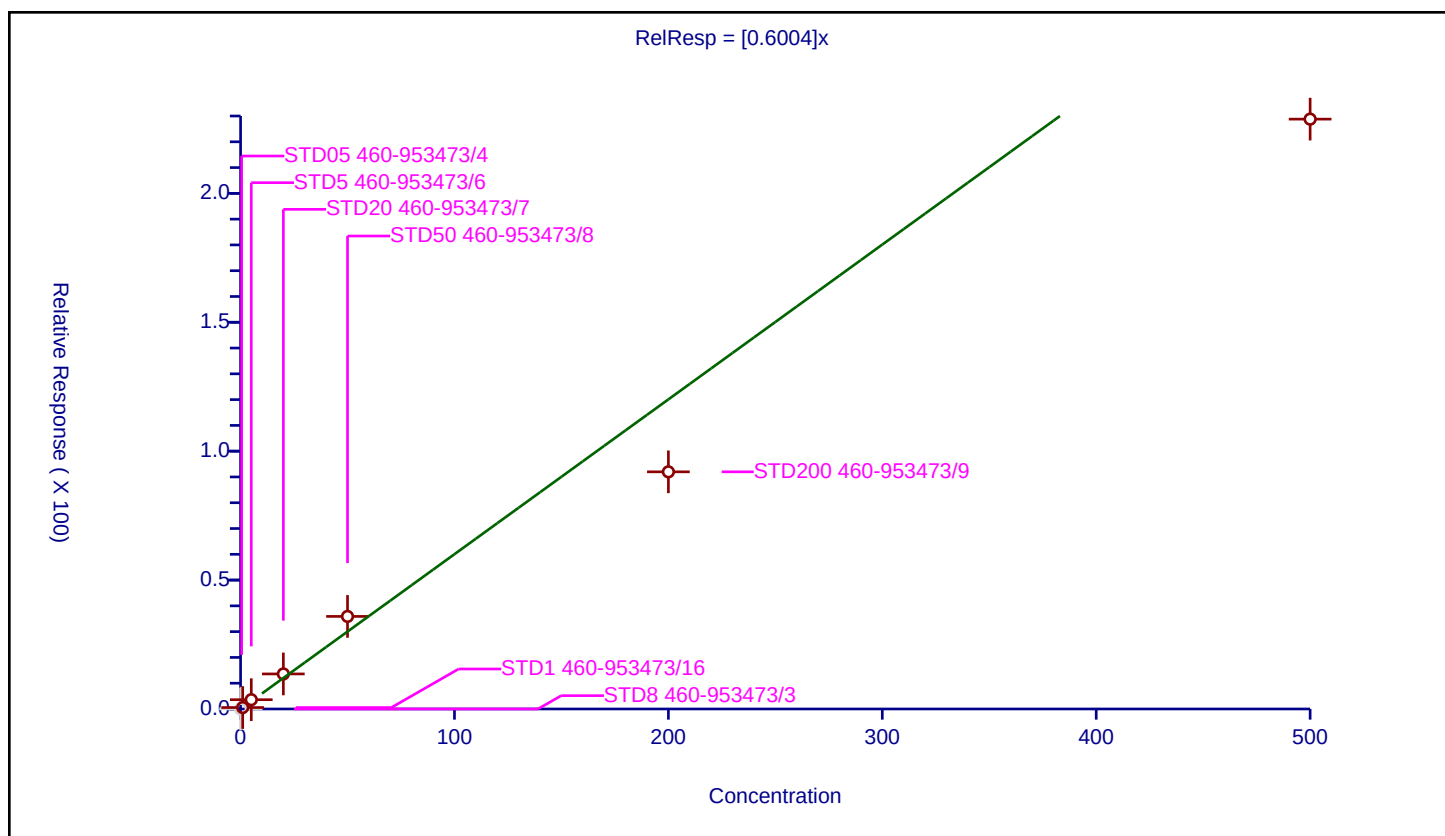
Curve Coefficients

Intercept: 0
Slope: 0.6004

Error Coefficients

Standard Error: 1810000
Relative Standard Error: 20.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.330872	50.0	638918.0	0.661744	N
3	STD1 460-953473/16	1.0	0.566753	50.0	681779.0	0.566753	Y
4	STD5 460-953473/6	5.0	3.603184	50.0	648815.0	0.720637	Y
5	STD20 460-953473/7	20.0	13.5915	50.0	684700.0	0.679575	Y
6	STD50 460-953473/8	50.0	35.907306	50.0	730900.0	0.718146	Y
7	STD200 460-953473/9	200.0	91.987316	50.0	791389.0	0.459937	Y
8	STD500 460-953473/10	500.0	228.791537	50.0	818751.0	0.457583	Y



Calibration

/ Isopropyl ether

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

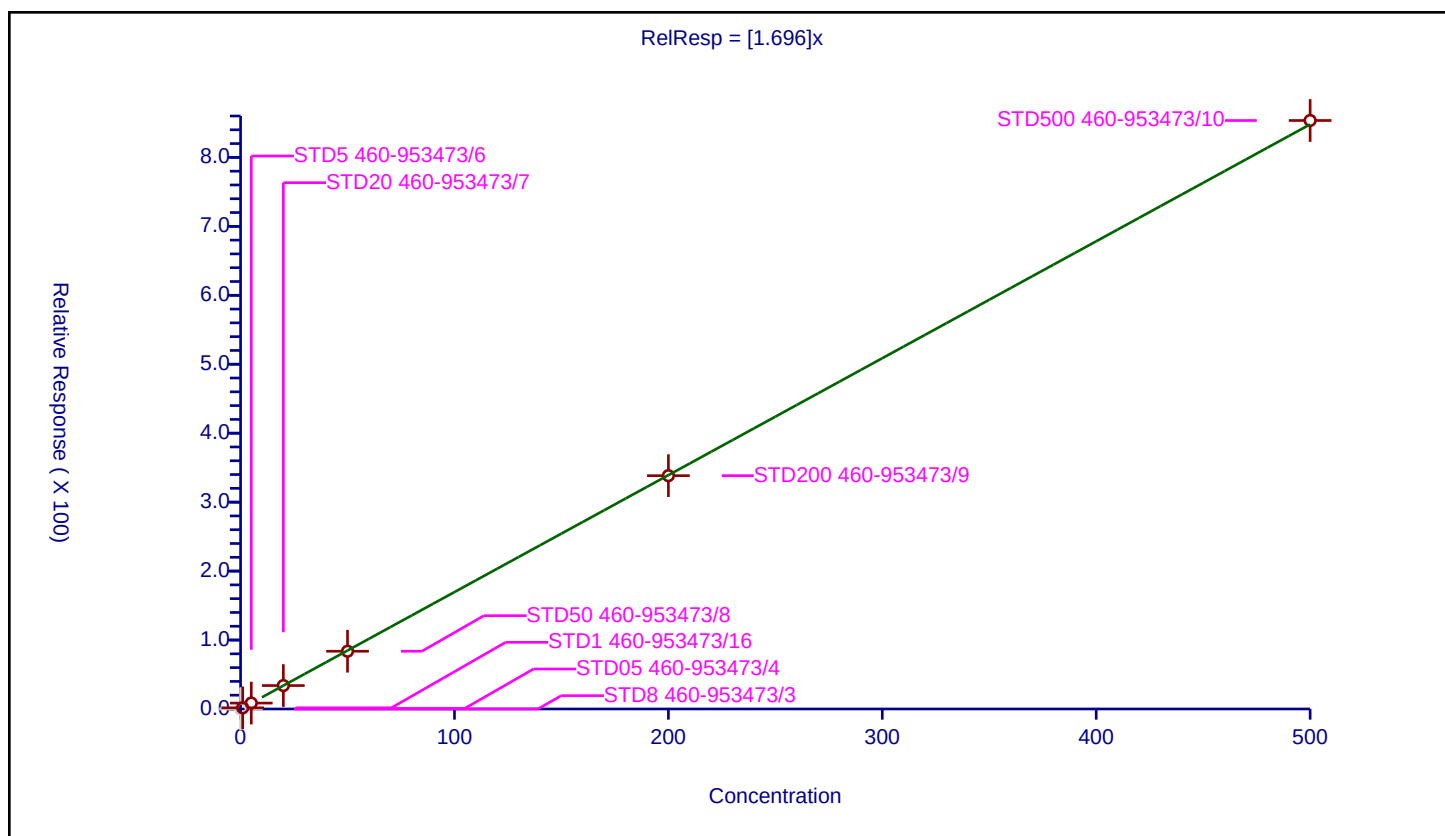
Curve Coefficients

Intercept: 0
Slope: 1.696

Error Coefficients

Standard Error: 6720000
Relative Standard Error: 0.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.760035	50.0	638918.0	1.52007	N
3	STD1 460-953473/16	1.0	1.68581	50.0	681779.0	1.68581	Y
4	STD5 460-953473/6	5.0	8.578254	50.0	648815.0	1.715651	Y
5	STD20 460-953473/7	20.0	33.984446	50.0	684700.0	1.699222	Y
6	STD50 460-953473/8	50.0	83.752429	50.0	730900.0	1.675049	Y
7	STD200 460-953473/9	200.0	338.378724	50.0	791389.0	1.691894	Y
8	STD500 460-953473/10	500.0	853.508698	50.0	818751.0	1.707017	Y



Calibration

/ 1,1-Dichloroethane

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

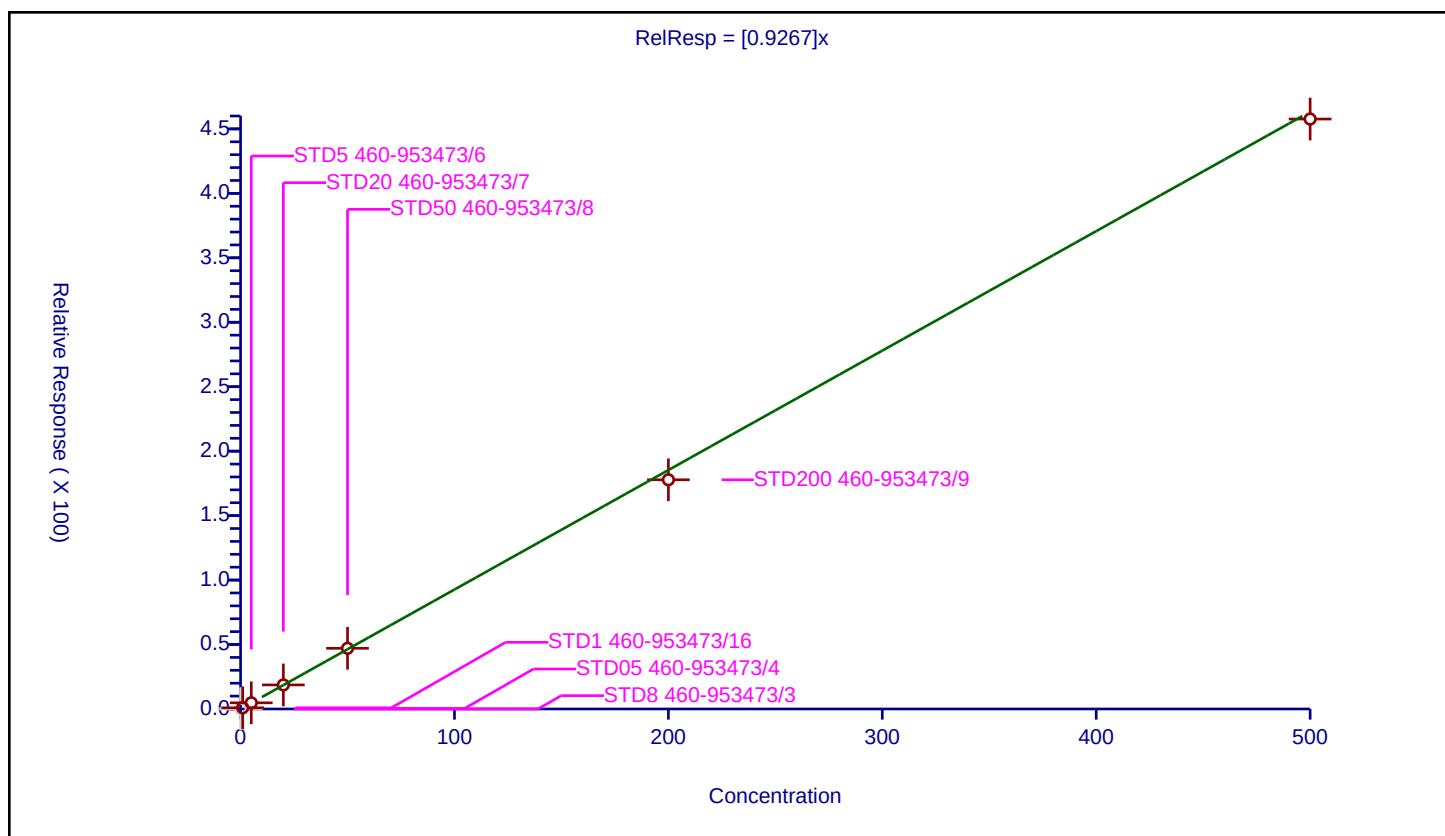
Curve Coefficients

Intercept: 0
 Slope: 0.9267

Error Coefficients

Standard Error: 3590000
 Relative Standard Error: 2.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.435737	50.0	638918.0	0.871473	N
3	STD1 460-953473/16	1.0	0.925153	50.0	681779.0	0.925153	Y
4	STD5 460-953473/6	5.0	4.780022	50.0	648815.0	0.956004	Y
5	STD20 460-953473/7	20.0	18.665255	50.0	684700.0	0.933263	Y
6	STD50 460-953473/8	50.0	47.06362	50.0	730900.0	0.941272	Y
7	STD200 460-953473/9	200.0	177.804152	50.0	791389.0	0.889021	Y
8	STD500 460-953473/10	500.0	457.666189	50.0	818751.0	0.915332	Y



Calibration

/ Vinyl acetate

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

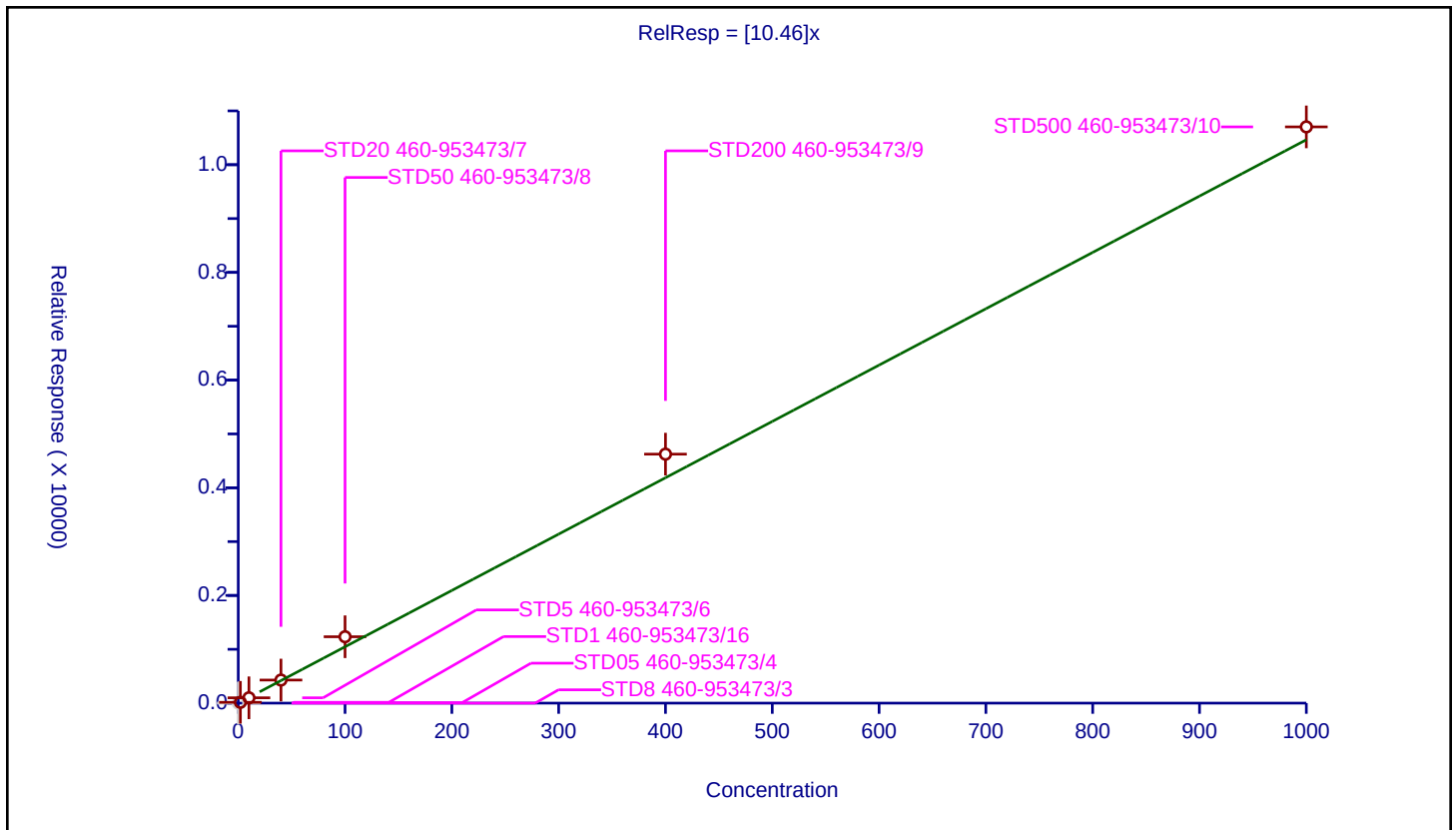
Curve Coefficients

Intercept: 0
 Slope: 10.46

Error Coefficients

Standard Error: 8650000
 Relative Standard Error: 15.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	1.0	8.055496	250.0	303085.0	8.055496	N
3	STD1 460-953473/16	2.0	15.130912	250.0	304823.0	7.565456	Y
4	STD5 460-953473/6	10.0	99.03219	250.0	299284.0	9.903219	Y
5	STD20 460-953473/7	40.0	428.75596	250.0	333470.0	10.718899	Y
6	STD50 460-953473/8	100.0	1233.229671	250.0	343583.0	12.332297	Y
7	STD200 460-953473/9	400.0	4624.532379	250.0	414599.0	11.561331	Y
8	STD500 460-953473/10	1000.0	10702.733314	250.0	412759.0	10.702733	Y



Calibration

/ 2,2-Dichloropropane

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

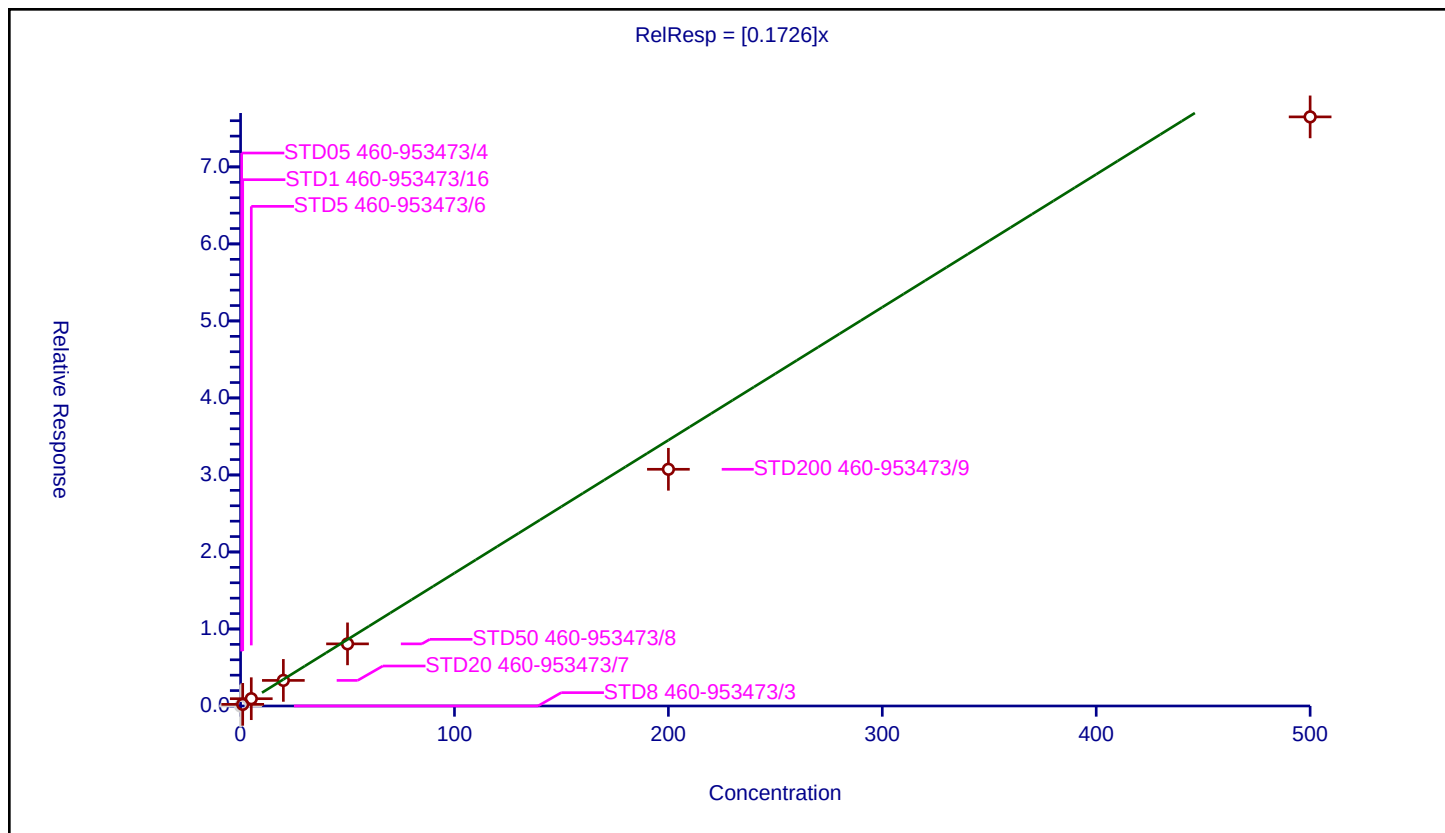
Curve Coefficients

Intercept: 0
Slope: 0.1726

Error Coefficients

Standard Error: 604000
Relative Standard Error: 13.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.159801	50.0	638918.0	0.319603	N
3	STD1 460-953473/16	1.0	0.212019	50.0	681779.0	0.212019	Y
4	STD5 460-953473/6	5.0	0.946957	50.0	648815.0	0.189391	Y
5	STD20 460-953473/7	20.0	3.322842	50.0	684700.0	0.166142	Y
6	STD50 460-953473/8	50.0	8.06793	50.0	730900.0	0.161359	Y
7	STD200 460-953473/9	200.0	30.735896	50.0	791389.0	0.153679	Y
8	STD500 460-953473/10	500.0	76.499449	50.0	818751.0	0.152999	Y



Calibration

/ 2-Butanone (MEK)

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

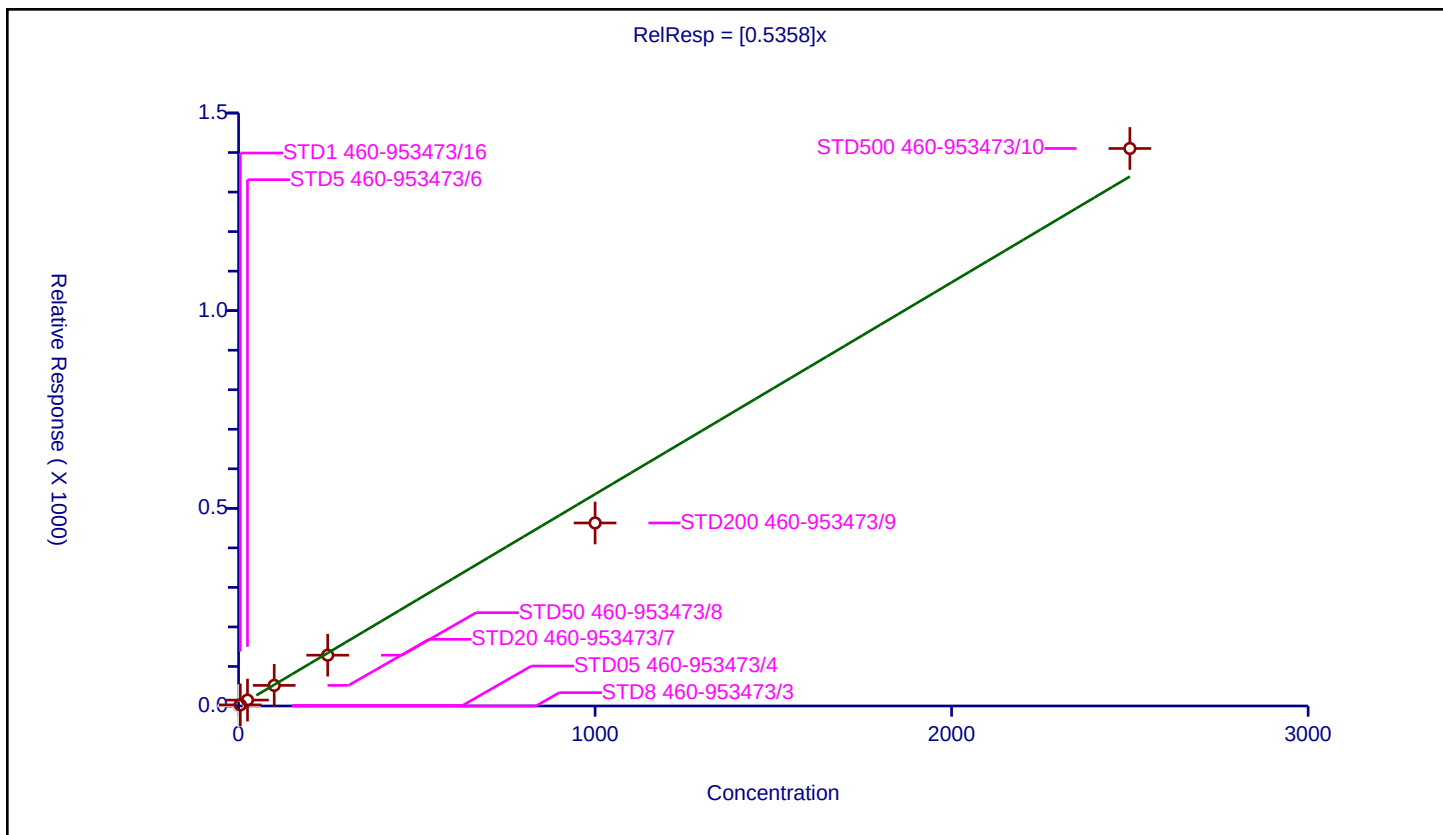
Curve Coefficients

Intercept: 0
Slope: 0.5358

Error Coefficients

Standard Error: 1100000
Relative Standard Error: 8.8
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	2.5	1.225729	250.0	303085.0	0.490292	N
3	STD1 460-953473/16	5.0	2.768	250.0	304823.0	0.5536	Y
4	STD5 460-953473/6	25.0	14.962377	250.0	299284.0	0.598495	Y
5	STD20 460-953473/7	100.0	52.105887	250.0	333470.0	0.521059	Y
6	STD50 460-953473/8	250.0	128.56646	250.0	343583.0	0.514266	Y
7	STD200 460-953473/9	1000.0	462.961199	250.0	414599.0	0.462961	Y
8	STD500 460-953473/10	2500.0	1410.308437	250.0	412759.0	0.564123	Y



Calibration

/ cis-1,2-Dichloroethene

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

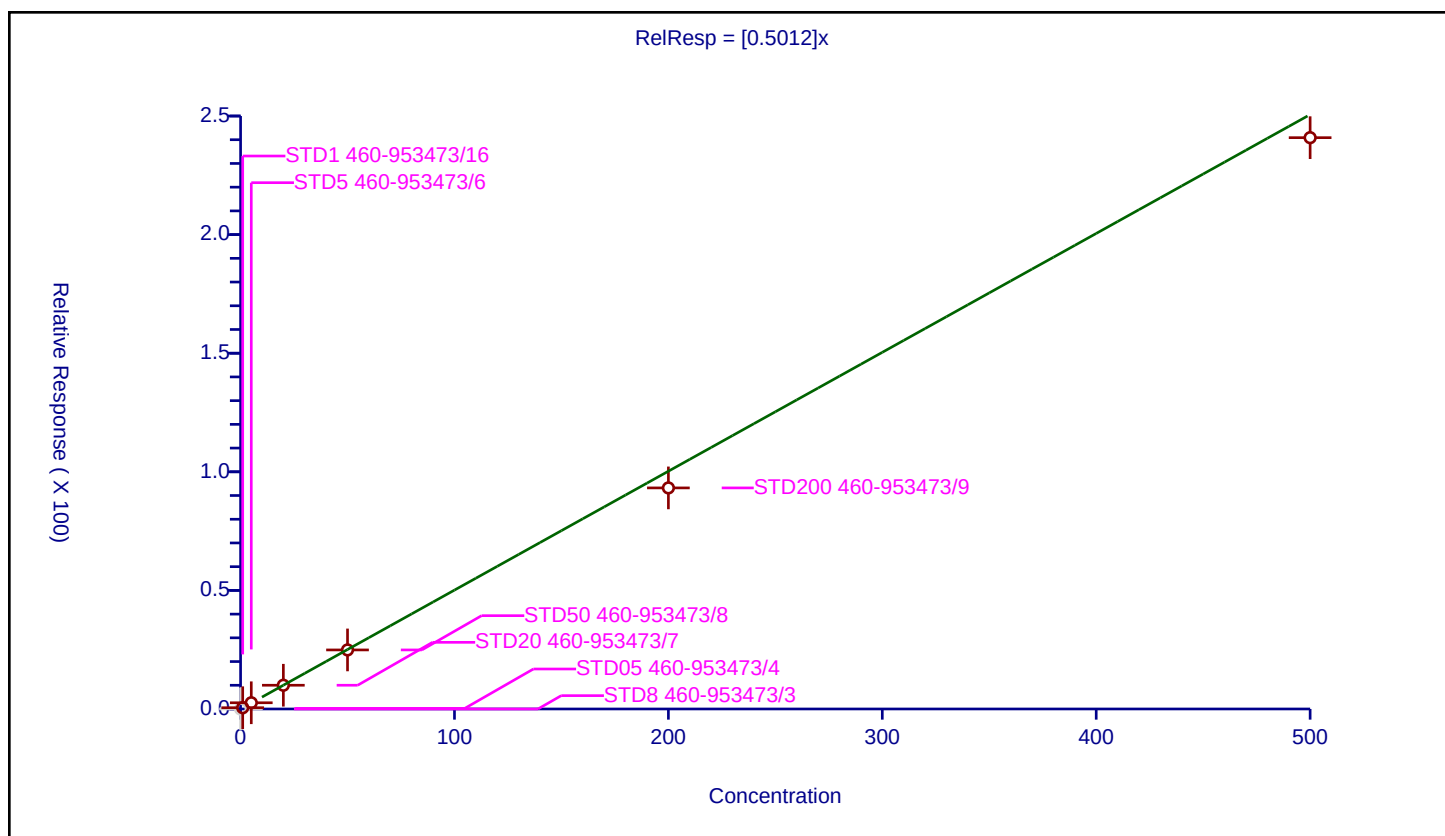
Curve Coefficients

Intercept: 0
Slope: 0.5012

Error Coefficients

Standard Error: 1890000
Relative Standard Error: 5.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.24698	50.0	638918.0	0.49396	N
3	STD1 460-953473/16	1.0	0.535071	50.0	681779.0	0.535071	Y
4	STD5 460-953473/6	5.0	2.628407	50.0	648815.0	0.525681	Y
5	STD20 460-953473/7	20.0	10.015116	50.0	684700.0	0.500756	Y
6	STD50 460-953473/8	50.0	24.901423	50.0	730900.0	0.498028	Y
7	STD200 460-953473/9	200.0	93.205175	50.0	791389.0	0.466026	Y
8	STD500 460-953473/10	500.0	240.869935	50.0	818751.0	0.48174	Y



Calibration

/ Ethyl acetate

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

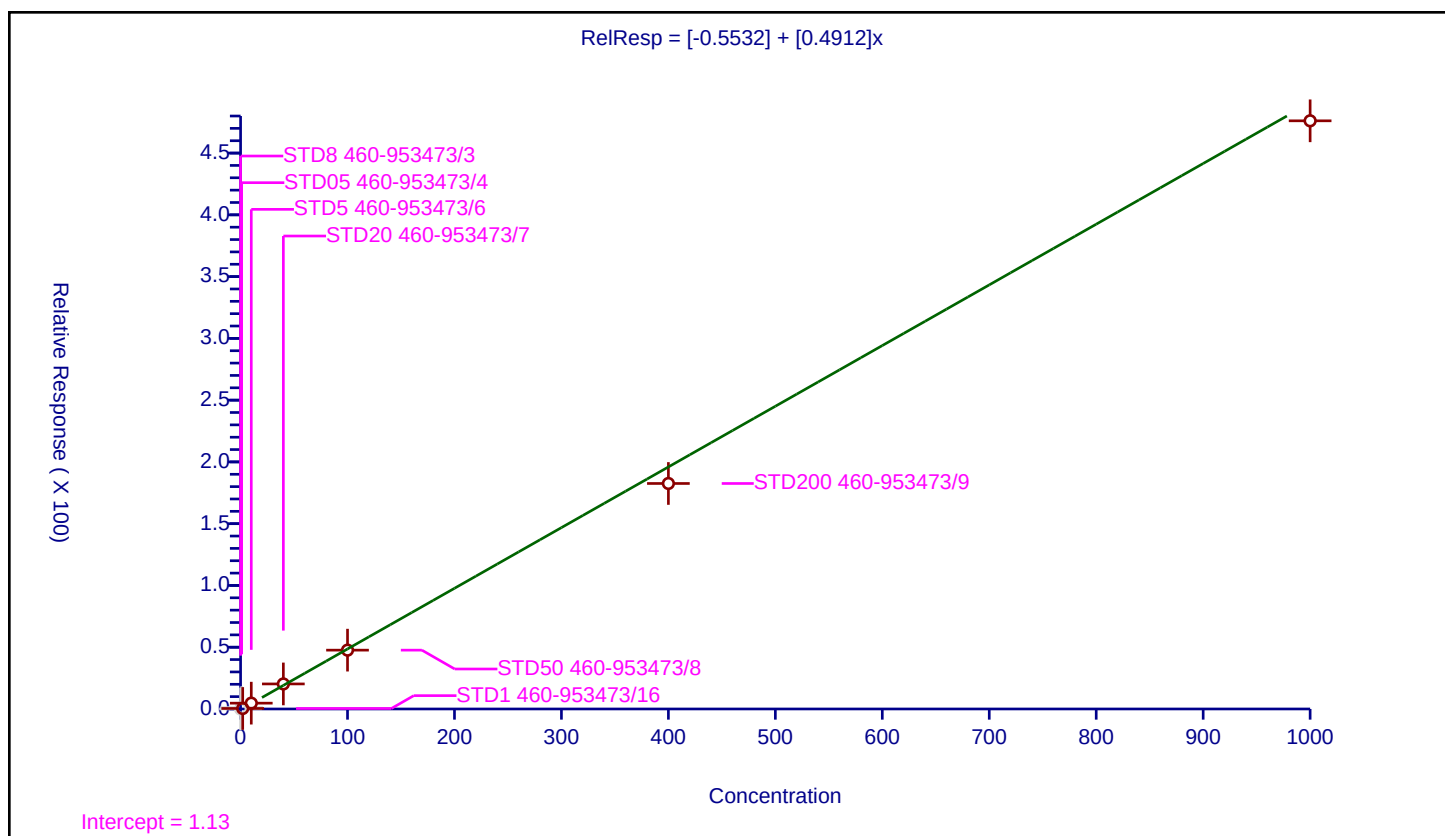
Curve Coefficients

Intercept: -0.5532
Slope: 0.4912

Error Coefficients

Standard Error: 422000
Relative Standard Error: 6.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	1.0	1.1053	250.0	303085.0	1.1053	N
3	STD1 460-953473/16	2.0	0.412534	250.0	304823.0	0.206267	Y
4	STD5 460-953473/6	10.0	4.721268	250.0	299284.0	0.472127	Y
5	STD20 460-953473/7	40.0	20.279186	250.0	333470.0	0.50698	Y
6	STD50 460-953473/8	100.0	47.626774	250.0	343583.0	0.476268	Y
7	STD200 460-953473/9	400.0	182.537223	250.0	414599.0	0.456343	Y
8	STD500 460-953473/10	1000.0	476.118631	250.0	412759.0	0.476119	Y



Calibration

/ Tetrahydrofuran

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

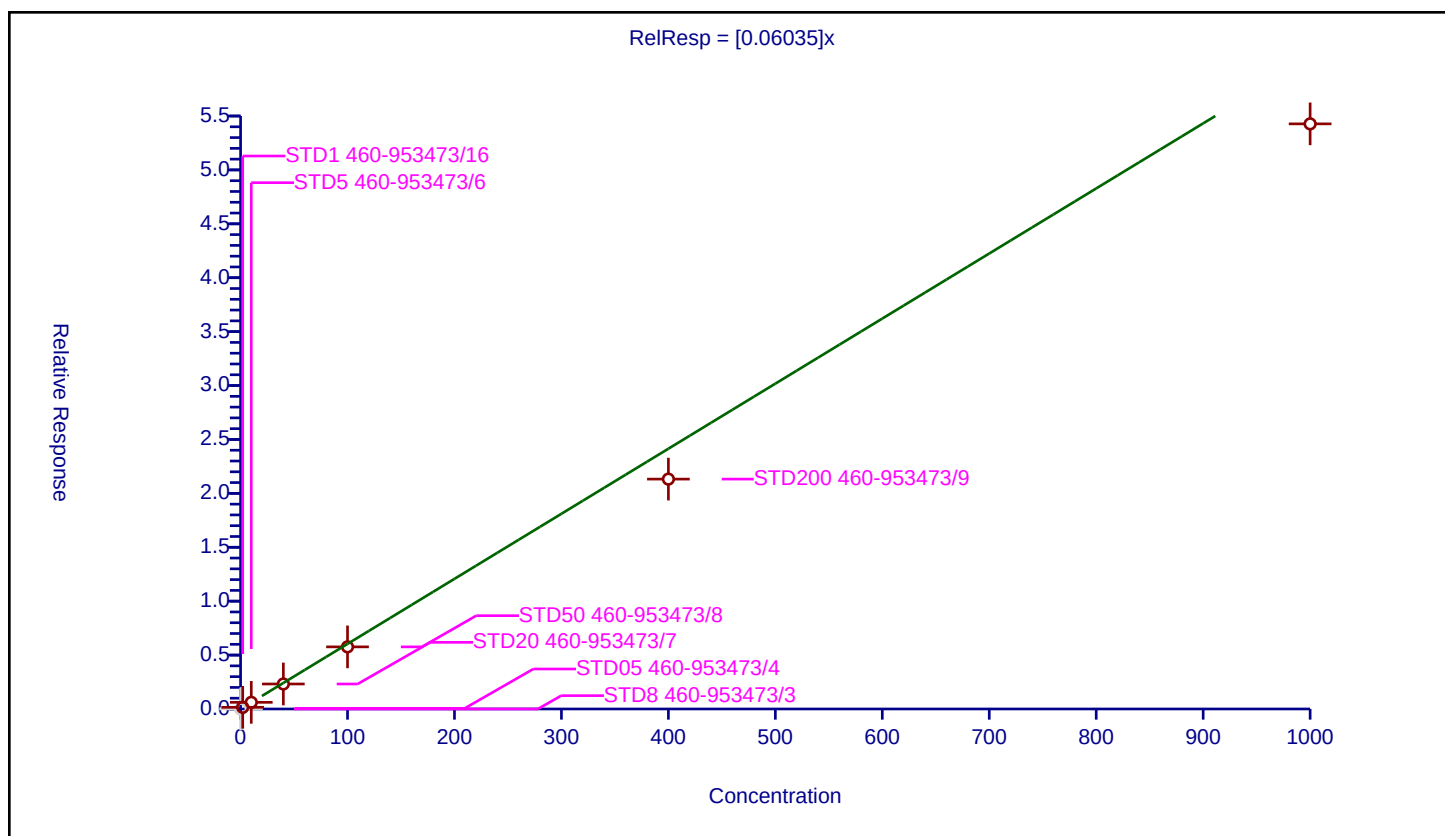
Curve Coefficients

Intercept: 0
Slope: 0.06035

Error Coefficients

Standard Error: 427000
Relative Standard Error: 14.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	1.0	0.057989	50.0	638918.0	0.057989	N
3	STD1 460-953473/16	2.0	0.154449	50.0	681779.0	0.077224	Y
4	STD5 460-953473/6	10.0	0.617202	50.0	648815.0	0.06172	Y
5	STD20 460-953473/7	40.0	2.31941	50.0	684700.0	0.057985	Y
6	STD50 460-953473/8	100.0	5.760774	50.0	730900.0	0.057608	Y
7	STD200 460-953473/9	400.0	21.32112	50.0	791389.0	0.053303	Y
8	STD500 460-953473/10	1000.0	54.272422	50.0	818751.0	0.054272	Y



Calibration

/ Chlorobromomethane

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

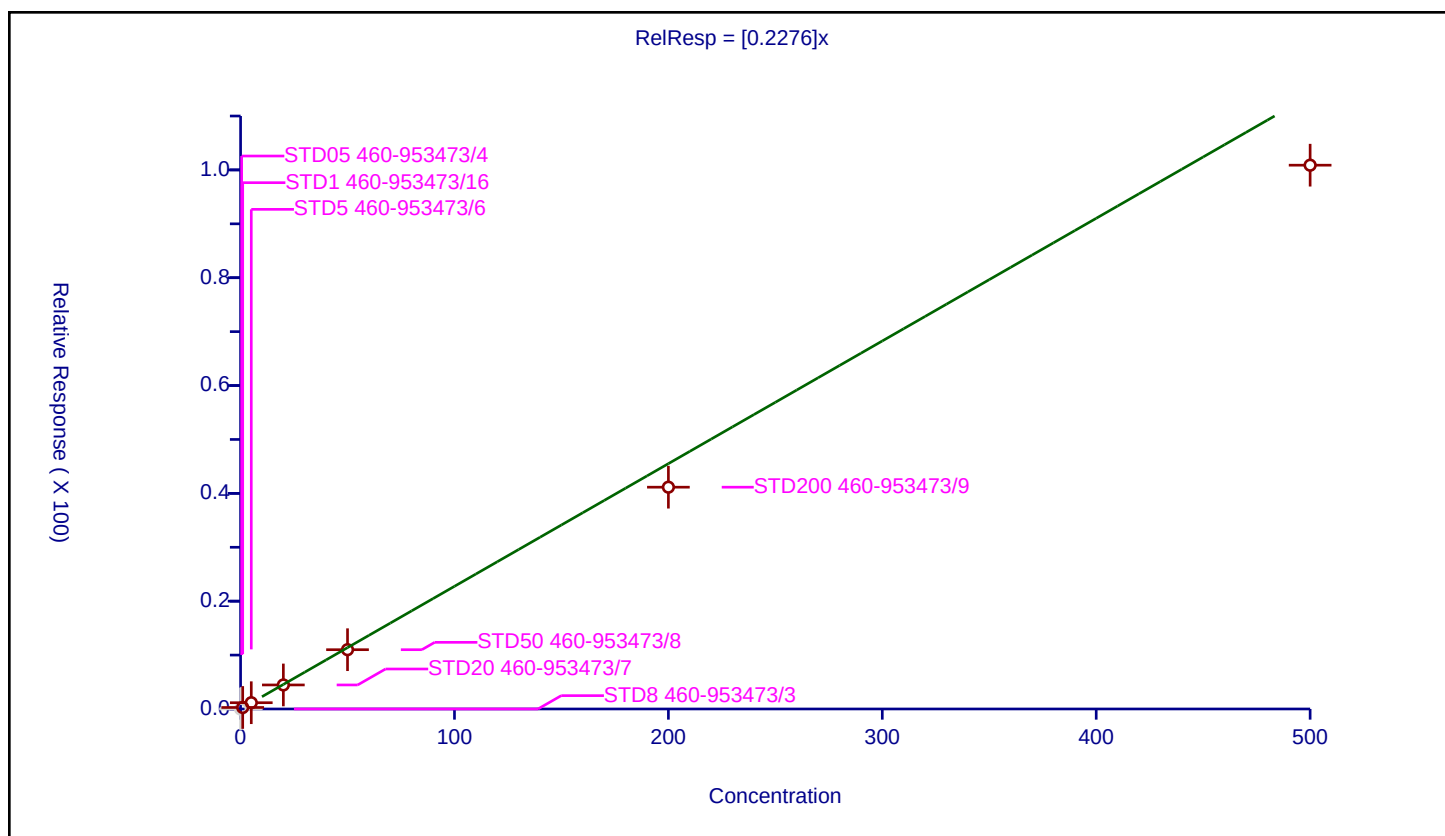
Curve Coefficients

Intercept: 0
Slope: 0.2276

Error Coefficients

Standard Error: 798000
Relative Standard Error: 12.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.129751	50.0	638918.0	0.259501	N
3	STD1 460-953473/16	1.0	0.281543	50.0	681779.0	0.281543	Y
4	STD5 460-953473/6	5.0	1.166742	50.0	648815.0	0.233348	Y
5	STD20 460-953473/7	20.0	4.459033	50.0	684700.0	0.222952	Y
6	STD50 460-953473/8	50.0	11.0	50.0	730900.0	0.22	Y
7	STD200 460-953473/9	200.0	41.146895	50.0	791389.0	0.205734	Y
8	STD500 460-953473/10	500.0	100.876091	50.0	818751.0	0.201752	Y



Calibration

/ Chloroform

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

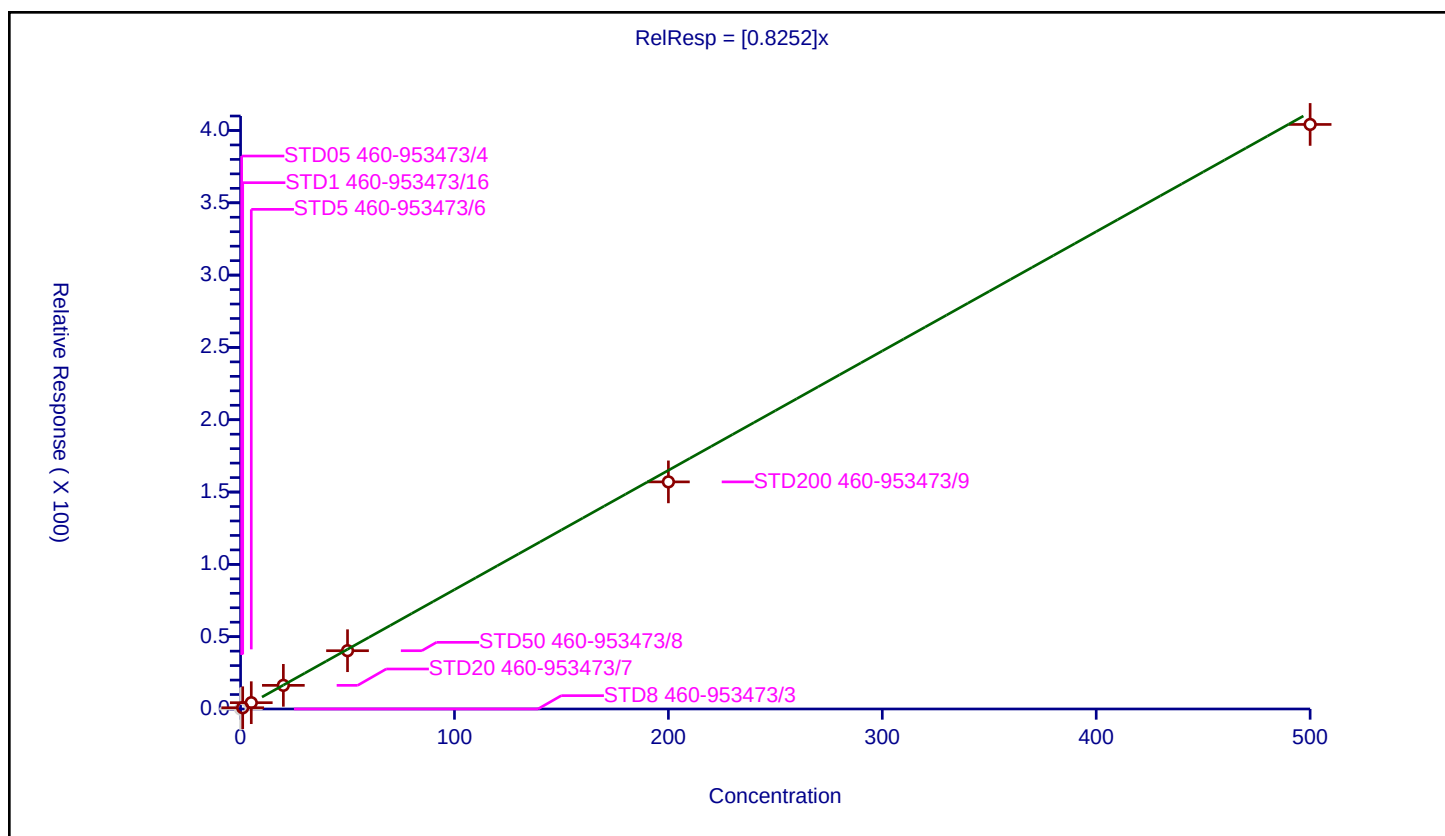
Curve Coefficients

Intercept: 0
Slope: 0.8252

Error Coefficients

Standard Error: 3170000
Relative Standard Error: 4.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.473144	50.0	638918.0	0.946287	N
3	STD1 460-953473/16	1.0	0.86223	50.0	681779.0	0.86223	Y
4	STD5 460-953473/6	5.0	4.359178	50.0	648815.0	0.871836	Y
5	STD20 460-953473/7	20.0	16.348985	50.0	684700.0	0.817449	Y
6	STD50 460-953473/8	50.0	40.301136	50.0	730900.0	0.806023	Y
7	STD200 460-953473/9	200.0	157.031814	50.0	791389.0	0.785159	Y
8	STD500 460-953473/10	500.0	404.171598	50.0	818751.0	0.808343	Y



Calibration

/ Cyclohexane

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

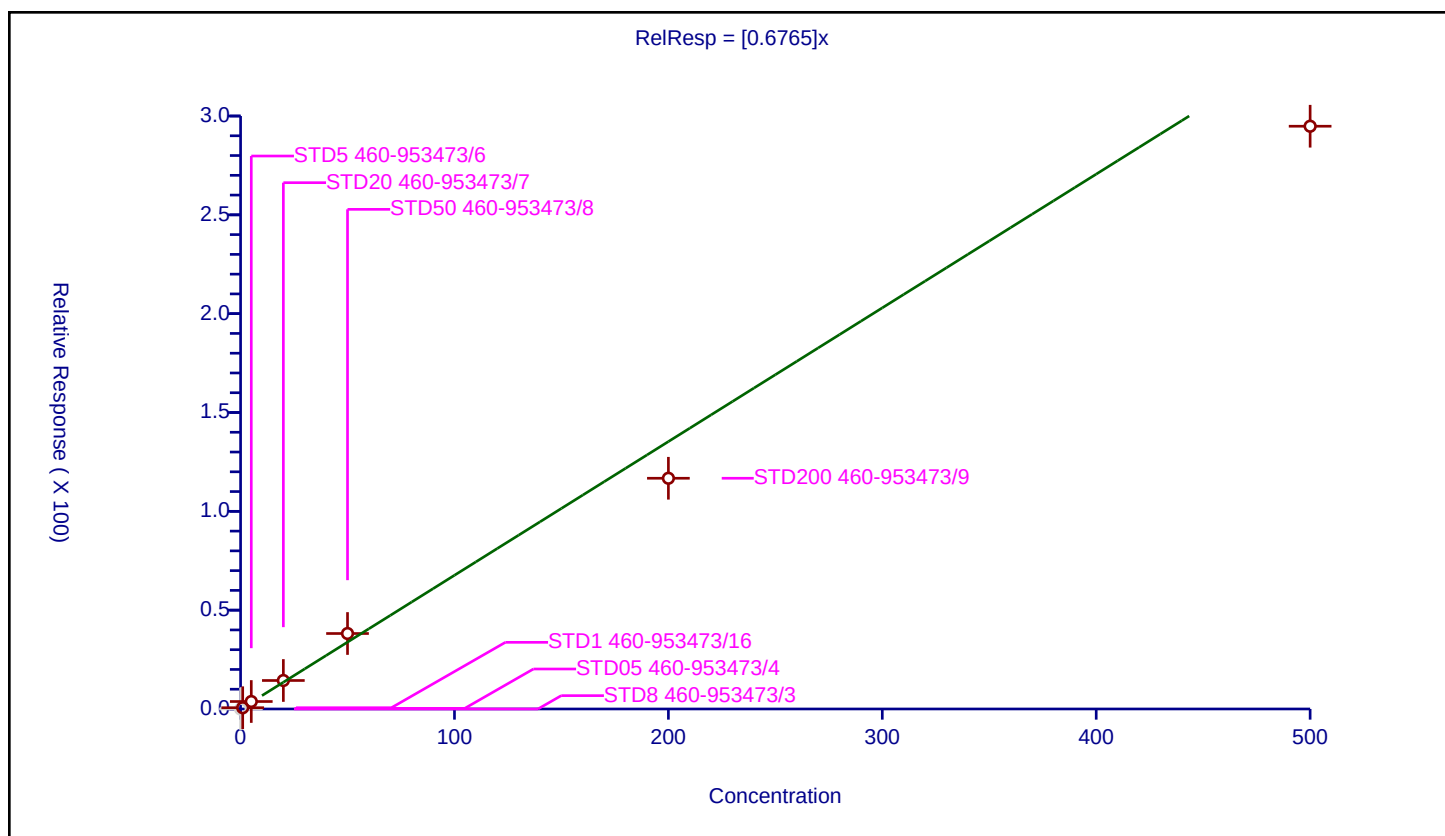
Curve Coefficients

Intercept: 0
Slope: 0.6765

Error Coefficients

Standard Error: 2330000
Relative Standard Error: 12.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.297613	50.0	638918.0	0.595225	N
3	STD1 460-953473/16	1.0	0.64361	50.0	681779.0	0.64361	Y
4	STD5 460-953473/6	5.0	3.788291	50.0	648815.0	0.757658	Y
5	STD20 460-953473/7	20.0	14.411567	50.0	684700.0	0.720578	Y
6	STD50 460-953473/8	50.0	38.187303	50.0	730900.0	0.763746	Y
7	STD200 460-953473/9	200.0	116.728436	50.0	791389.0	0.583642	Y
8	STD500 460-953473/10	500.0	294.831701	50.0	818751.0	0.589663	Y



Calibration

/ 1,1,1-Trichloroethane

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

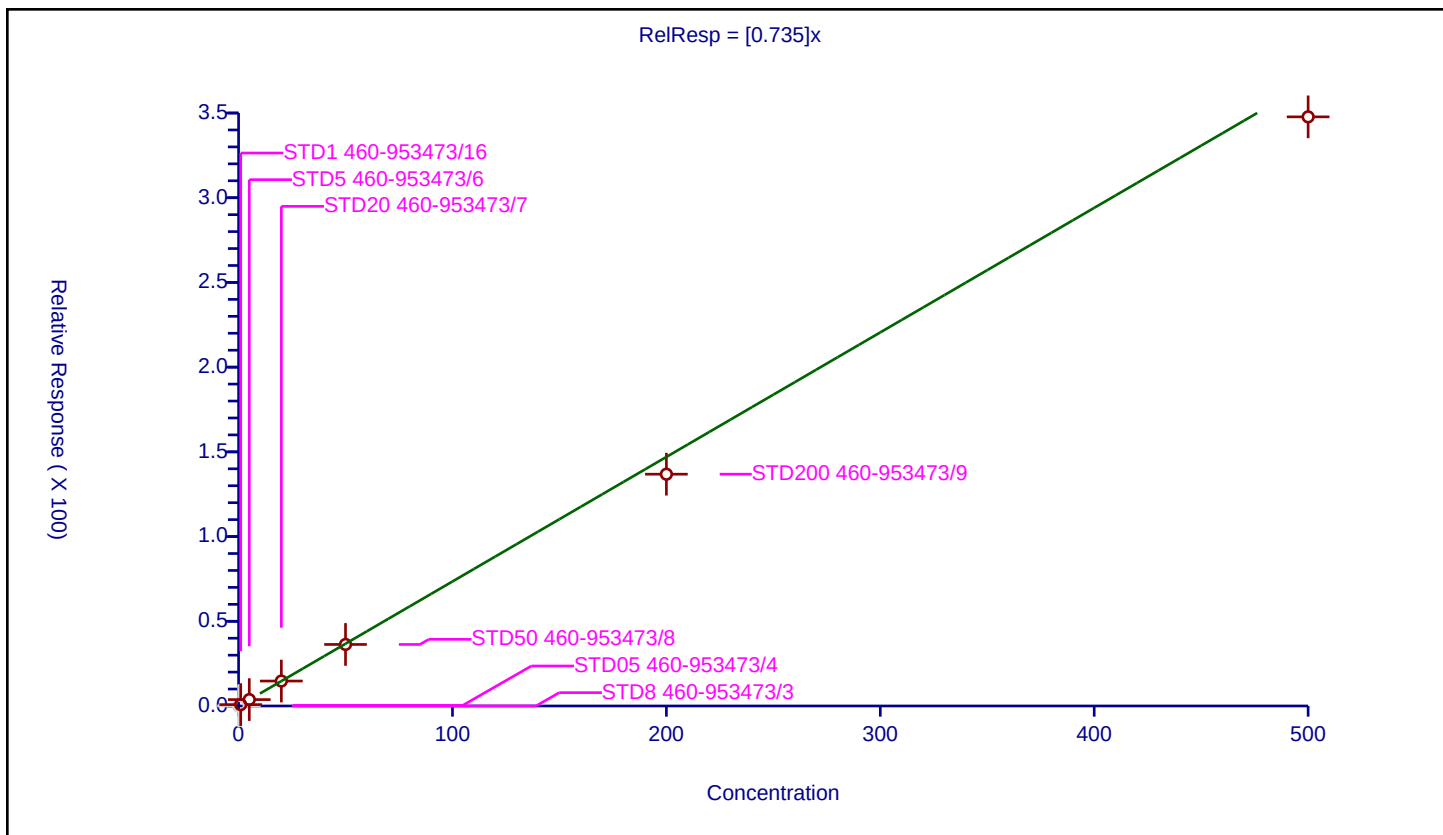
Curve Coefficients

Intercept: 0
 Slope: 0.735

Error Coefficients

Standard Error: 2740000
 Relative Standard Error: 6.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.361862	50.0	638918.0	0.723724	N
3	STD1 460-953473/16	1.0	0.812947	50.0	681779.0	0.812947	Y
4	STD5 460-953473/6	5.0	3.774959	50.0	648815.0	0.754992	Y
5	STD20 460-953473/7	20.0	14.724697	50.0	684700.0	0.736235	Y
6	STD50 460-953473/8	50.0	36.316459	50.0	730900.0	0.726329	Y
7	STD200 460-953473/9	200.0	136.820893	50.0	791389.0	0.684104	Y
8	STD500 460-953473/10	500.0	347.739117	50.0	818751.0	0.695478	Y



Calibration

/ Dibromofluoromethane (Surr)

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

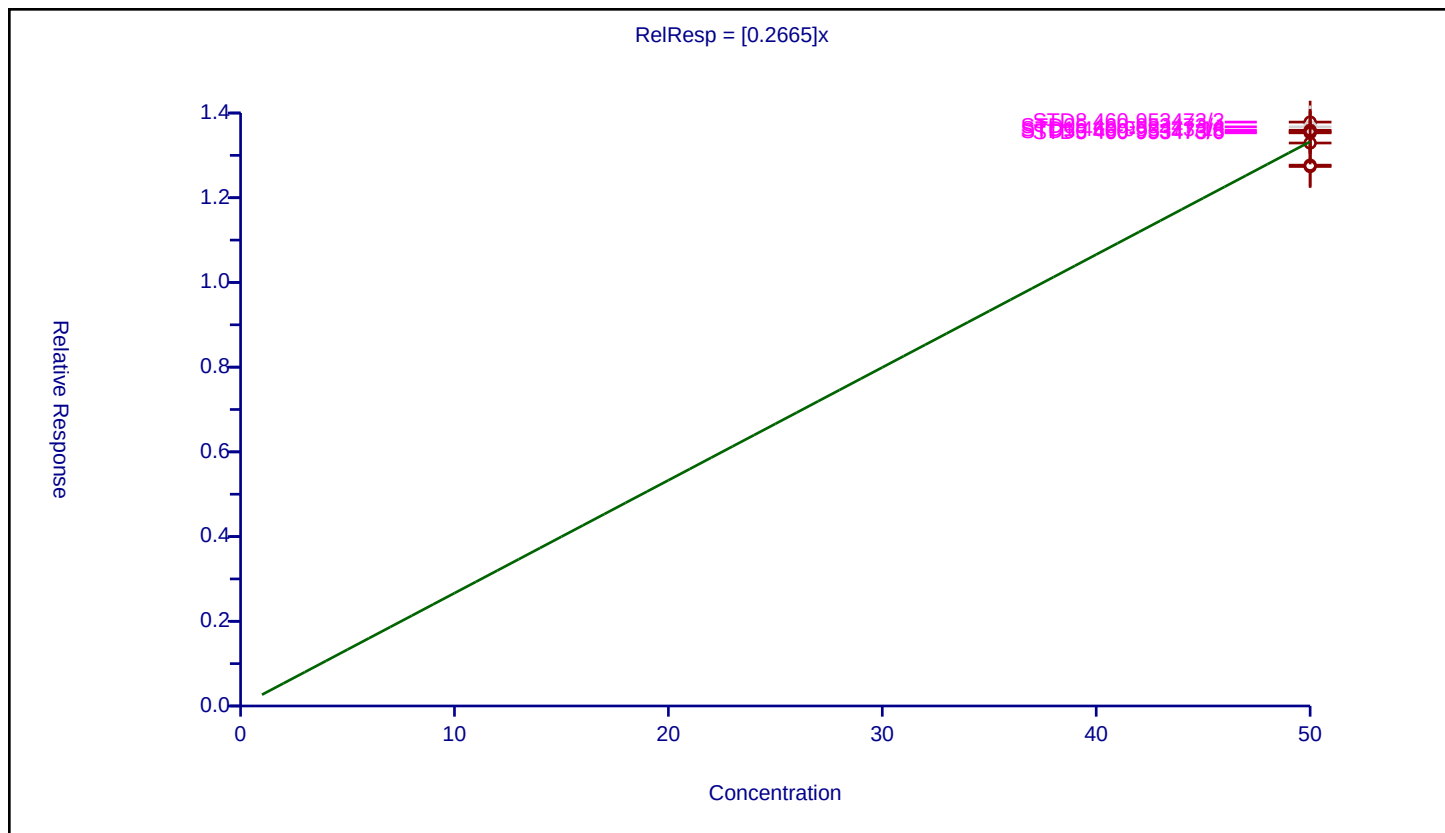
Curve Coefficients

Intercept: 0
 Slope: 0.2665

Error Coefficients

Standard Error: 206000
 Relative Standard Error: 3.1
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0.0000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	50.0	13.785864	50.0	636877.0	0.275717	Y
2	STD05 460-953473/4	50.0	13.673351	50.0	638918.0	0.273467	N
3	STD5 460-953473/6	50.0	13.532055	50.0	648815.0	0.270641	Y
4	STD20 460-953473/7	50.0	12.76895	50.0	684700.0	0.255379	Y
5	STD50 460-953473/8	50.0	13.554522	50.0	730900.0	0.27109	Y
6	STD200 460-953473/9	50.0	12.736783	50.0	791389.0	0.254736	Y
7	STD500 460-953473/10	50.0	13.291709	50.0	818751.0	0.265834	Y
8	STD1 460-953473/16	50.0	13.592014	50.0	681779.0	0.27184	Y



Calibration

/ Carbon tetrachloride

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

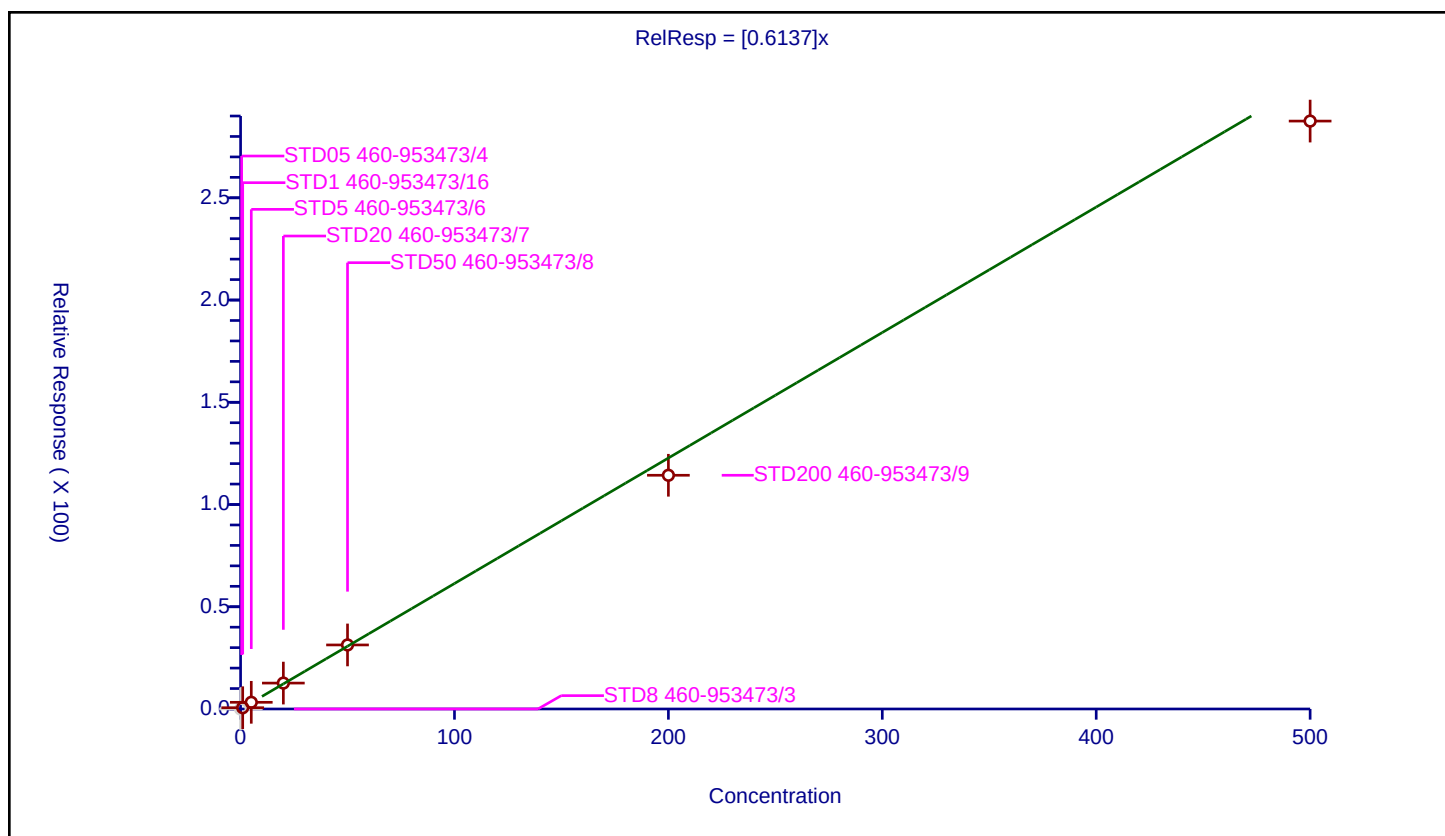
Curve Coefficients

Intercept: 0
 Slope: 0.6137

Error Coefficients

Standard Error: 2270000
 Relative Standard Error: 5.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.327429	50.0	638918.0	0.654857	N
3	STD1 460-953473/16	1.0	0.621022	50.0	681779.0	0.621022	Y
4	STD5 460-953473/6	5.0	3.273198	50.0	648815.0	0.65464	Y
5	STD20 460-953473/7	20.0	12.671827	50.0	684700.0	0.633591	Y
6	STD50 460-953473/8	50.0	31.321385	50.0	730900.0	0.626428	Y
7	STD200 460-953473/9	200.0	114.297646	50.0	791389.0	0.571488	Y
8	STD500 460-953473/10	500.0	287.516168	50.0	818751.0	0.575032	Y



Calibration

/ 1,1-Dichloropropene

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

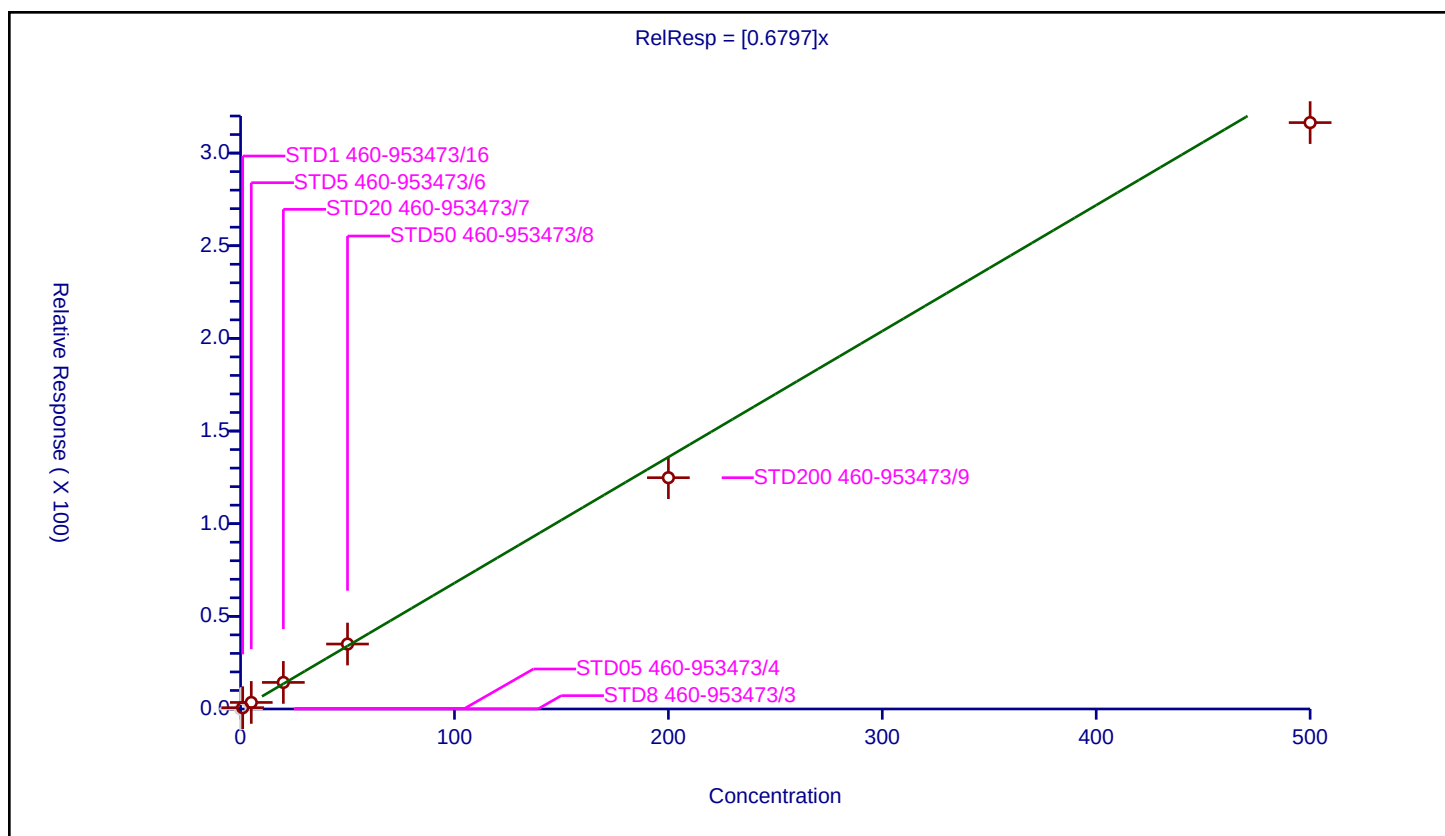
Curve Coefficients

Intercept: 0
Slope: 0.6797

Error Coefficients

Standard Error: 2490000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.313499	50.0	638918.0	0.626998	N
3	STD1 460-953473/16	1.0	0.697293	50.0	681779.0	0.697293	Y
4	STD5 460-953473/6	5.0	3.53244	50.0	648815.0	0.706488	Y
5	STD20 460-953473/7	20.0	14.334088	50.0	684700.0	0.716704	Y
6	STD50 460-953473/8	50.0	35.050144	50.0	730900.0	0.701003	Y
7	STD200 460-953473/9	200.0	124.819463	50.0	791389.0	0.624097	Y
8	STD500 460-953473/10	500.0	316.438575	50.0	818751.0	0.632877	Y



Calibration

/ Benzene

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

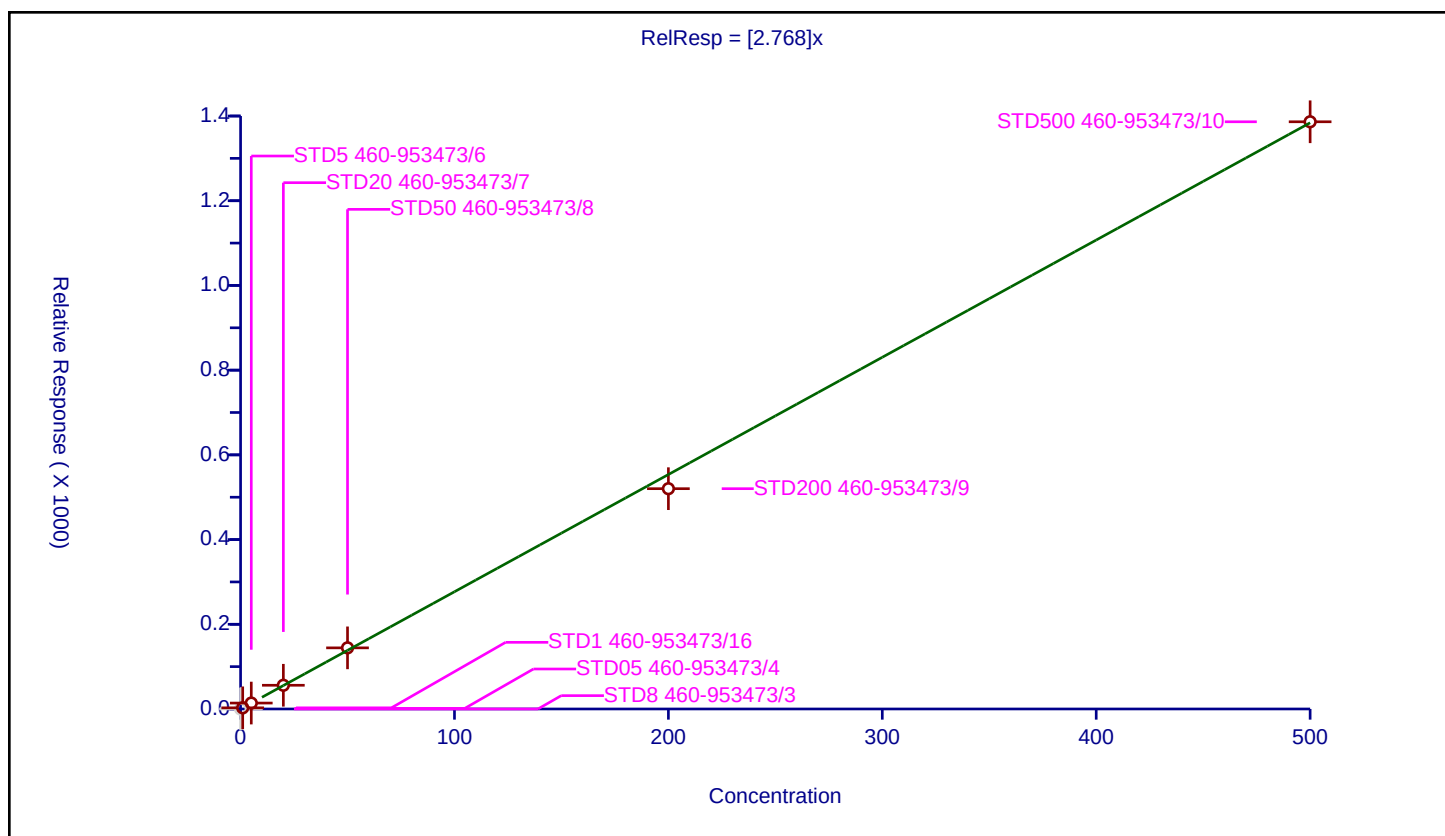
Curve Coefficients

Intercept: 0
Slope: 2.768

Error Coefficients

Standard Error: 7550000
Relative Standard Error: 3.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	1.32695	50.0	456611.0	2.6539	N
3	STD1 460-953473/16	1.0	2.741289	50.0	483404.0	2.741289	Y
4	STD5 460-953473/6	5.0	14.029409	50.0	452724.0	2.805882	Y
5	STD20 460-953473/7	20.0	56.00616	50.0	477926.0	2.800308	Y
6	STD50 460-953473/8	50.0	144.354231	50.0	501526.0	2.887085	Y
7	STD200 460-953473/9	200.0	520.114963	50.0	560789.0	2.600575	Y
8	STD500 460-953473/10	500.0	1386.398377	50.0	568241.0	2.772797	Y



Calibration

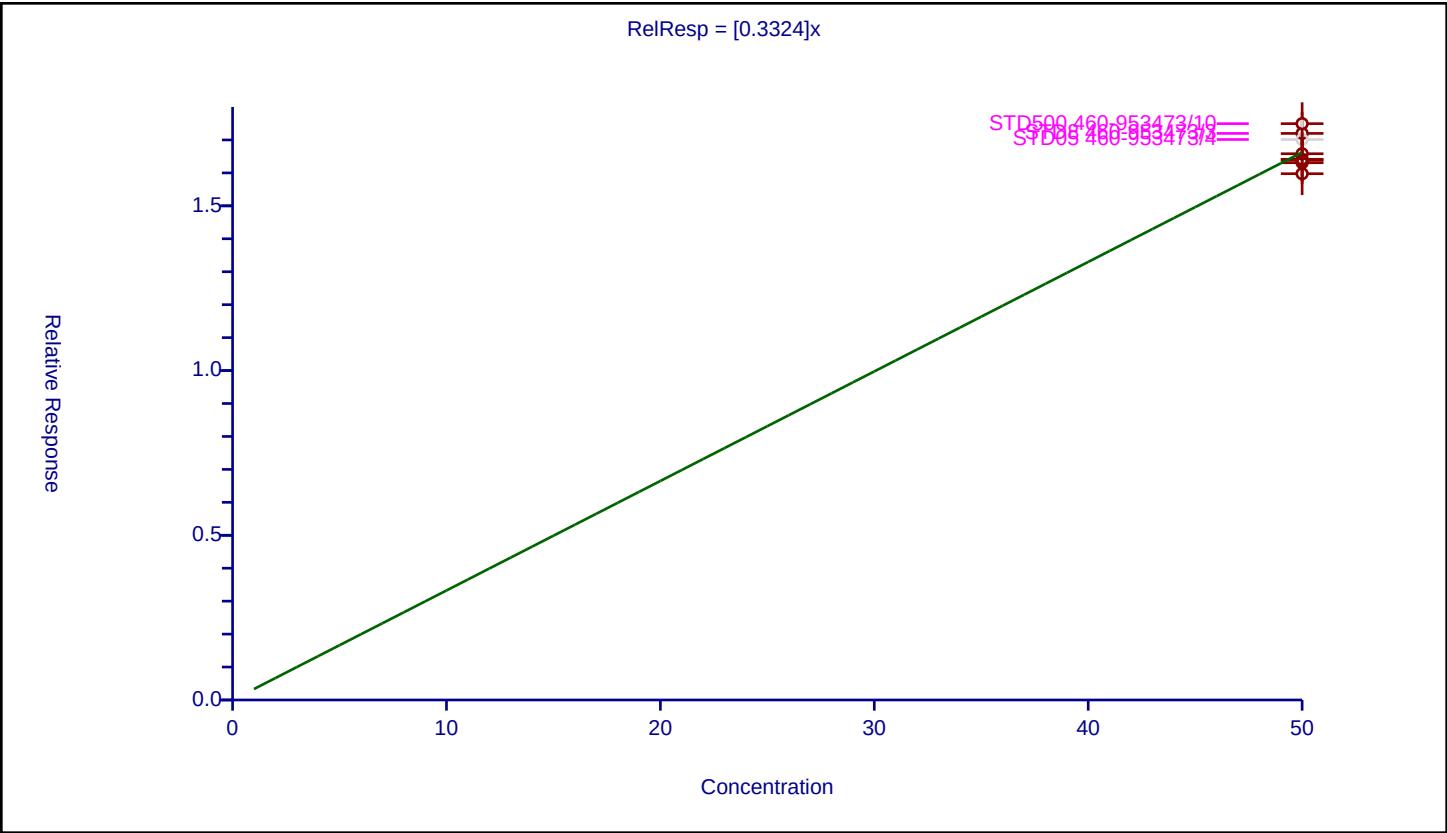
/ 1,2-Dichloroethane-d4 (Surr)

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

Curve Coefficients	
Intercept:	0
Slope:	0.3324

Error Coefficients	
Standard Error:	258000
Relative Standard Error:	3.2
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	50.0	17.198454	50.0	636877.0	0.343969	Y
2	STD05 460-953473/4	50.0	17.014233	50.0	638918.0	0.340285	N
3	STD5 460-953473/6	50.0	16.384717	50.0	648815.0	0.327694	Y
4	STD20 460-953473/7	50.0	15.975829	50.0	684700.0	0.319517	Y
5	STD50 460-953473/8	50.0	16.581954	50.0	730900.0	0.331639	Y
6	STD200 460-953473/9	50.0	16.413673	50.0	791389.0	0.328273	Y
7	STD500 460-953473/10	50.0	17.49494	50.0	818751.0	0.349899	Y
8	STD1 460-953473/16	50.0	16.307924	50.0	681779.0	0.326158	Y



Calibration

/ Isopropyl acetate

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

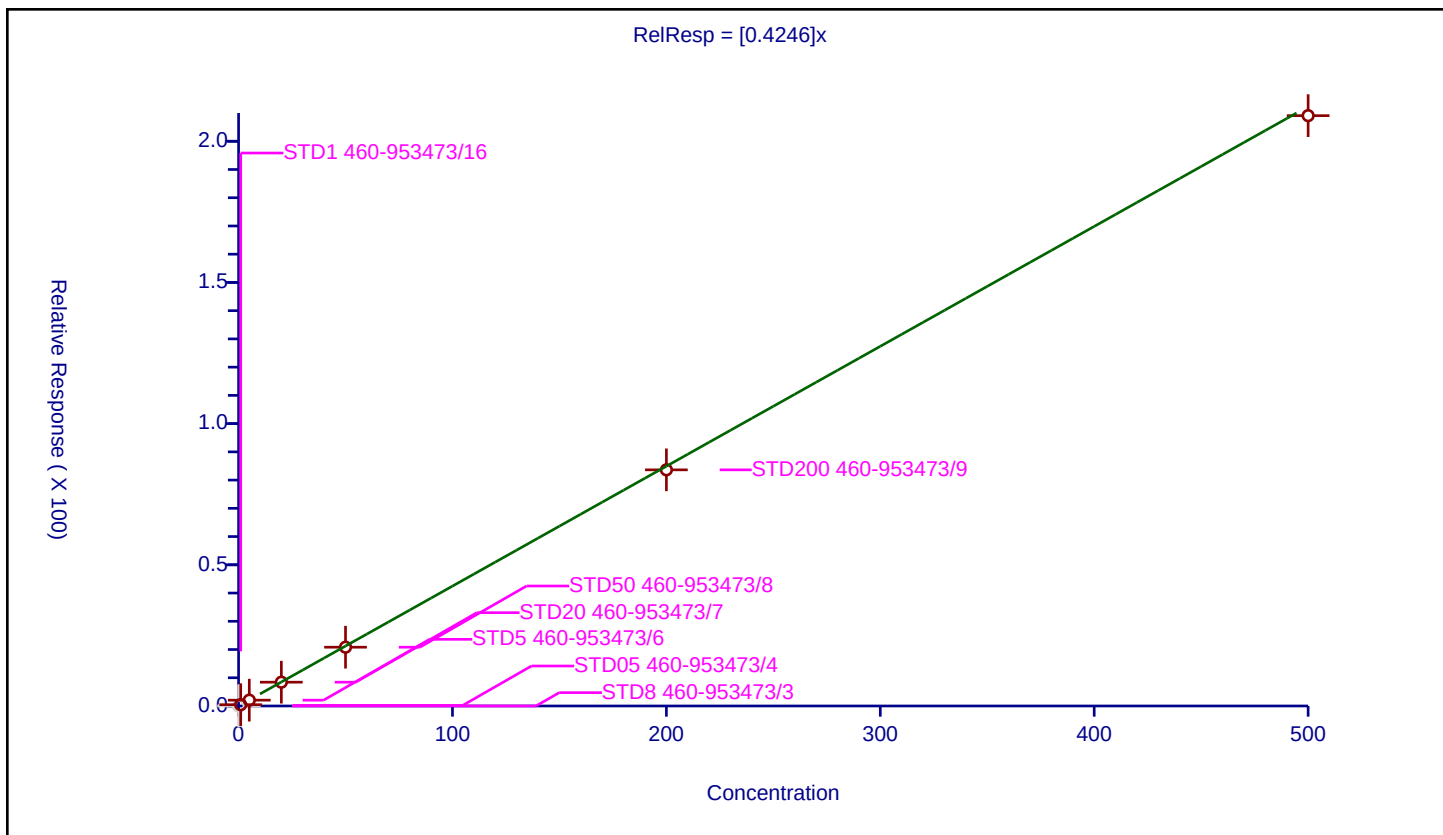
Curve Coefficients

Intercept: 0
 Slope: 0.4246

Error Coefficients

Standard Error: 1650000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.201513	50.0	638918.0	0.403025	N
3	STD1 460-953473/16	1.0	0.459973	50.0	681779.0	0.459973	Y
4	STD5 460-953473/6	5.0	2.067693	50.0	648815.0	0.413539	Y
5	STD20 460-953473/7	20.0	8.428582	50.0	684700.0	0.421429	Y
6	STD50 460-953473/8	50.0	20.819469	50.0	730900.0	0.416389	Y
7	STD200 460-953473/9	200.0	83.62651	50.0	791389.0	0.418133	Y
8	STD500 460-953473/10	500.0	209.063317	50.0	818751.0	0.418127	Y



Calibration

/ 1,2-Dichloroethane

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

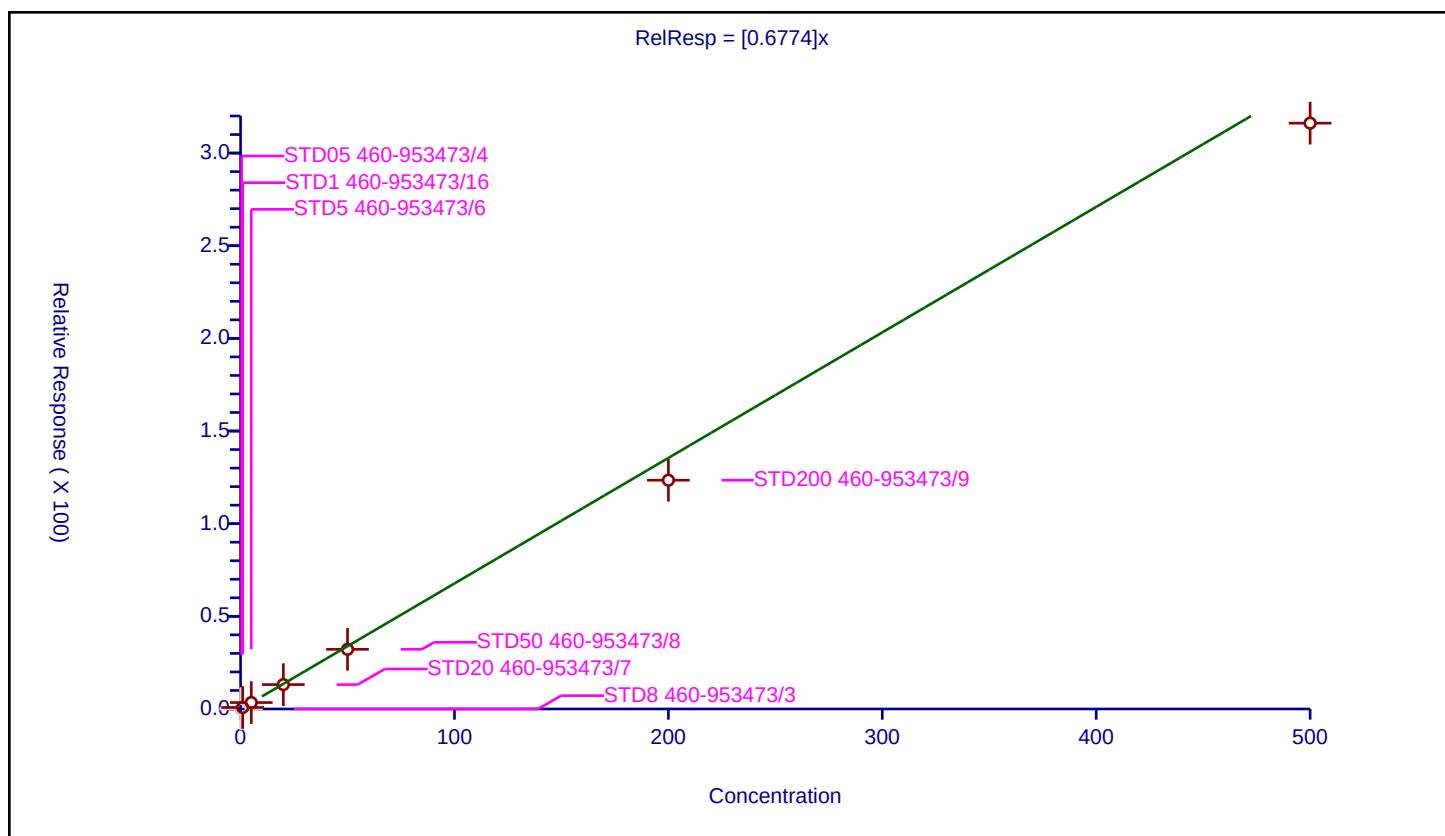
Curve Coefficients

Intercept: 0
Slope: 0.6774

Error Coefficients

Standard Error: 2480000
Relative Standard Error: 10.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.352862	50.0	638918.0	0.705724	N
3	STD1 460-953473/16	1.0	0.818447	50.0	681779.0	0.818447	Y
4	STD5 460-953473/6	5.0	3.471406	50.0	648815.0	0.694281	Y
5	STD20 460-953473/7	20.0	13.163356	50.0	684700.0	0.658168	Y
6	STD50 460-953473/8	50.0	32.192297	50.0	730900.0	0.643846	Y
7	STD200 460-953473/9	200.0	123.468042	50.0	791389.0	0.61734	Y
8	STD500 460-953473/10	500.0	316.144408	50.0	818751.0	0.632289	Y



Calibration

/ n-Heptane

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

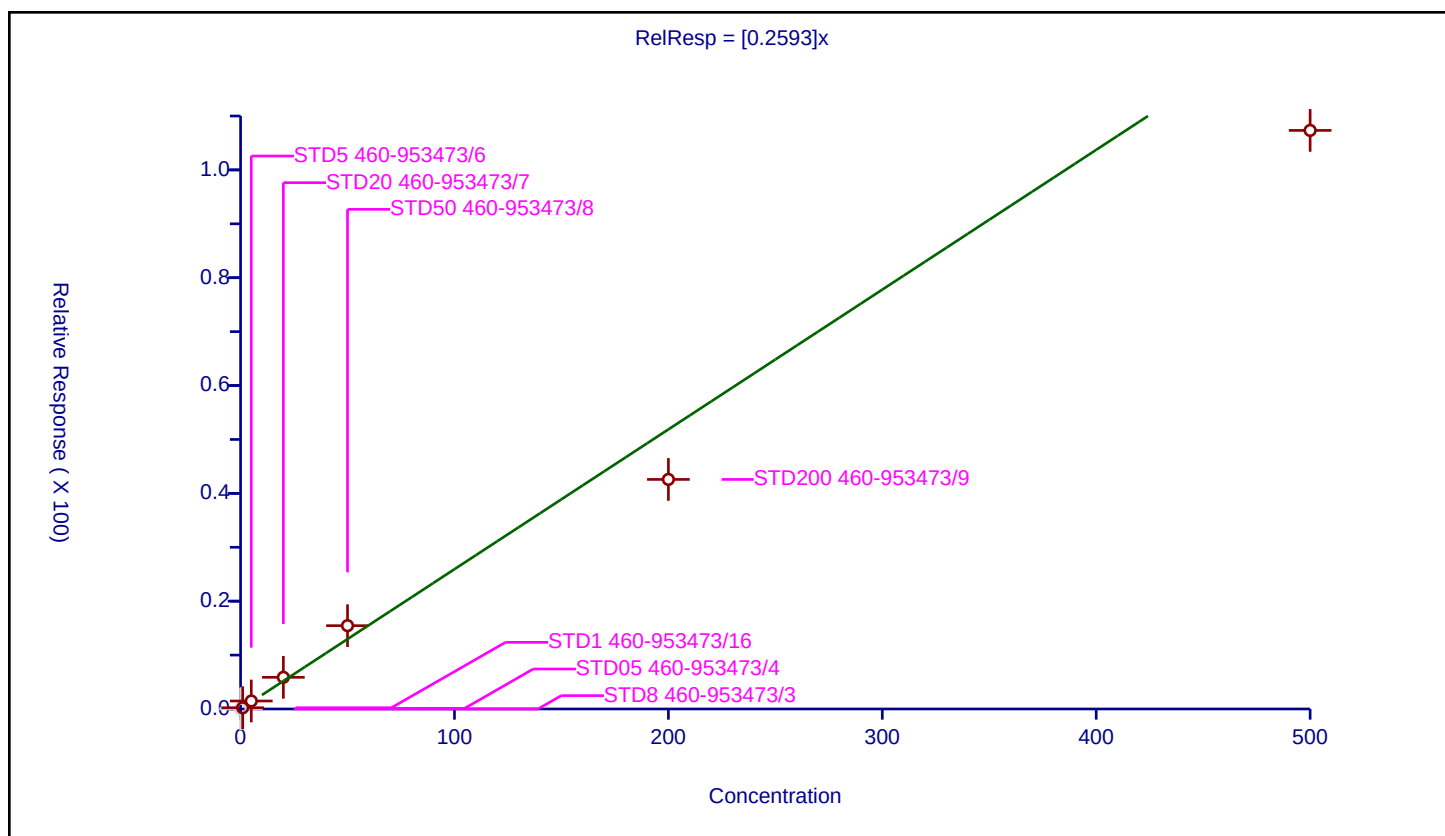
Curve Coefficients

Intercept: 0
Slope: 0.2593

Error Coefficients

Standard Error: 849000
Relative Standard Error: 17.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.121534	50.0	638918.0	0.243067	N
3	STD1 460-953473/16	1.0	0.229033	50.0	681779.0	0.229033	Y
4	STD5 460-953473/6	5.0	1.481624	50.0	648815.0	0.296325	Y
5	STD20 460-953473/7	20.0	5.875858	50.0	684700.0	0.293793	Y
6	STD50 460-953473/8	50.0	15.457723	50.0	730900.0	0.309154	Y
7	STD200 460-953473/9	200.0	42.584873	50.0	791389.0	0.212924	Y
8	STD500 460-953473/10	500.0	107.326892	50.0	818751.0	0.214654	Y



Calibration

/ n-Butanol

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

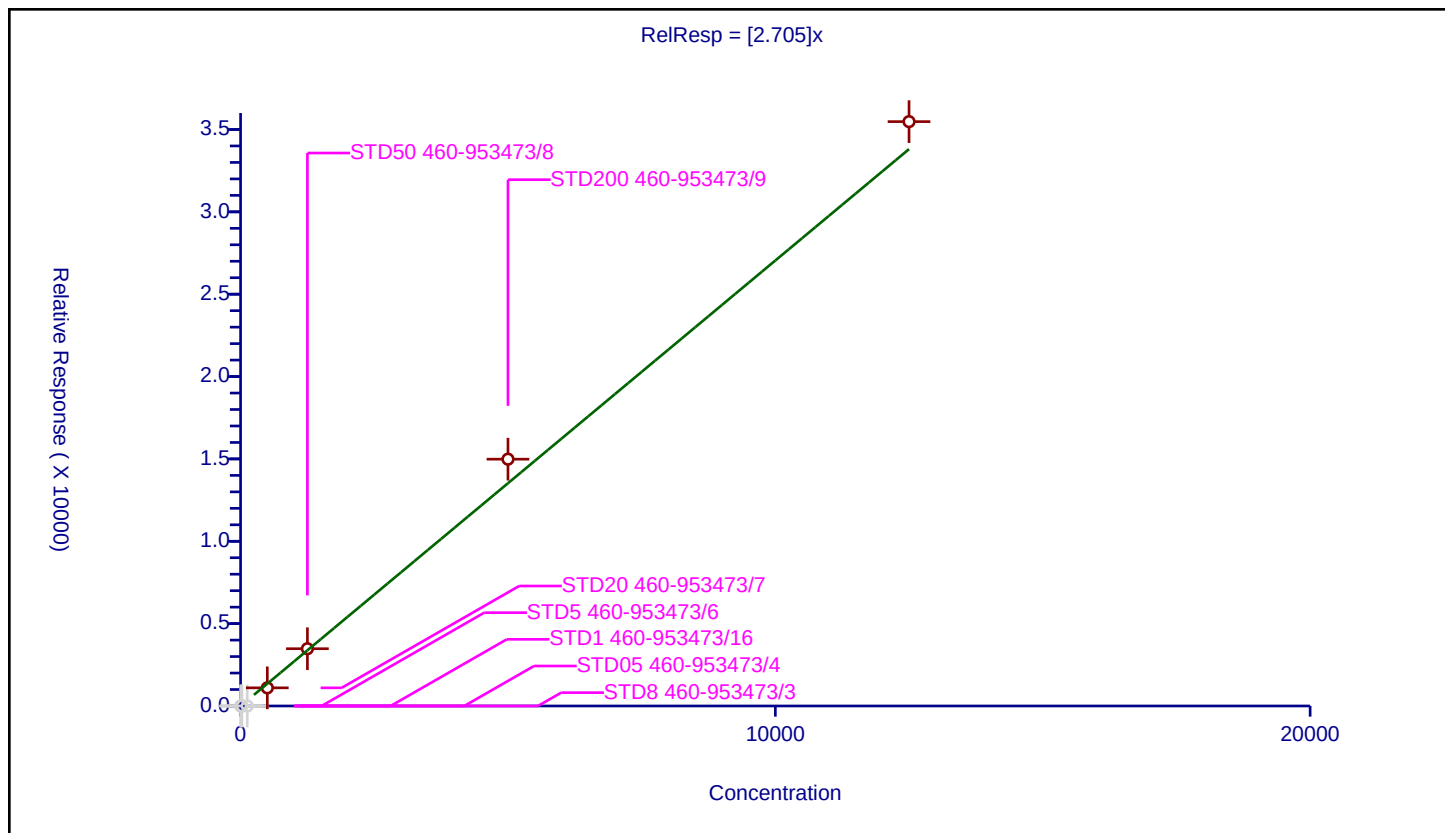
Curve Coefficients

Intercept: 0
Slope: 2.705

Error Coefficients

Standard Error: 1160000
Relative Standard Error: 12.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	1000.0	34910.0	NaN	N
2	STD05 460-953473/4	12.5	0.0	1000.0	34646.0	0.0	N
3	STD1 460-953473/16	25.0	0.0	1000.0	34892.0	0.0	N
4	STD5 460-953473/6	125.0	0.0	1000.0	32963.0	0.0	N
5	STD20 460-953473/7	500.0	1100.948159	1000.0	40605.0	2.201896	Y
6	STD50 460-953473/8	1250.0	3477.039151	1000.0	41353.0	2.781631	Y
7	STD200 460-953473/9	5000.0	14984.641672	1000.0	50331.0	2.996928	Y
8	STD500 460-953473/10	12500.0	35477.783781	1000.0	53677.0	2.838223	Y



Calibration

/ Trichloroethene

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

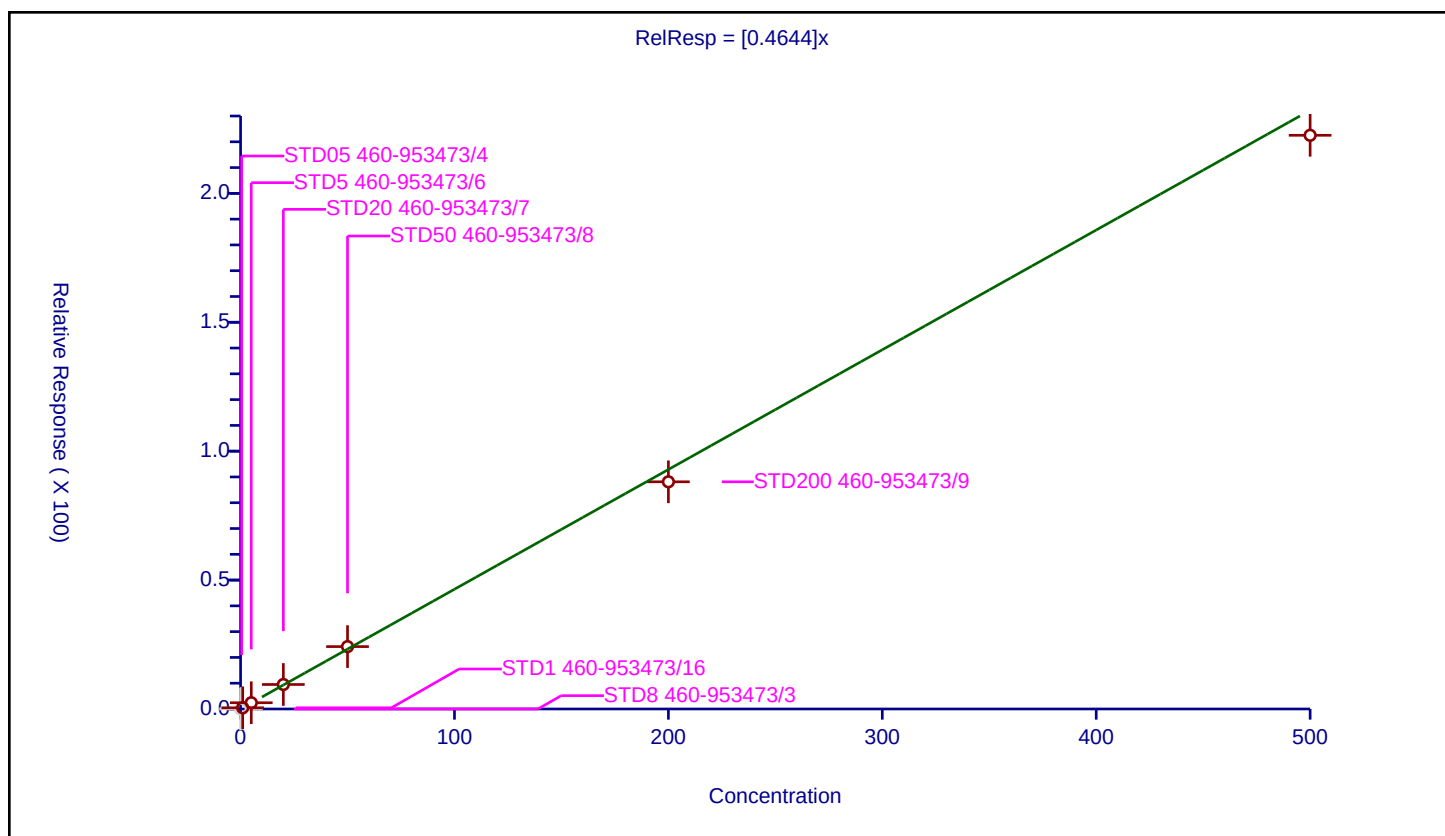
Curve Coefficients

Intercept: 0
Slope: 0.4644

Error Coefficients

Standard Error: 1750000
Relative Standard Error: 4.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.244476	50.0	638918.0	0.488952	N
3	STD1 460-953473/16	1.0	0.456453	50.0	681779.0	0.456453	Y
4	STD5 460-953473/6	5.0	2.428119	50.0	648815.0	0.485624	Y
5	STD20 460-953473/7	20.0	9.498101	50.0	684700.0	0.474905	Y
6	STD50 460-953473/8	50.0	24.195786	50.0	730900.0	0.483916	Y
7	STD200 460-953473/9	200.0	88.120633	50.0	791389.0	0.440603	Y
8	STD500 460-953473/10	500.0	222.518873	50.0	818751.0	0.445038	Y



Calibration

/ Ethyl acrylate

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

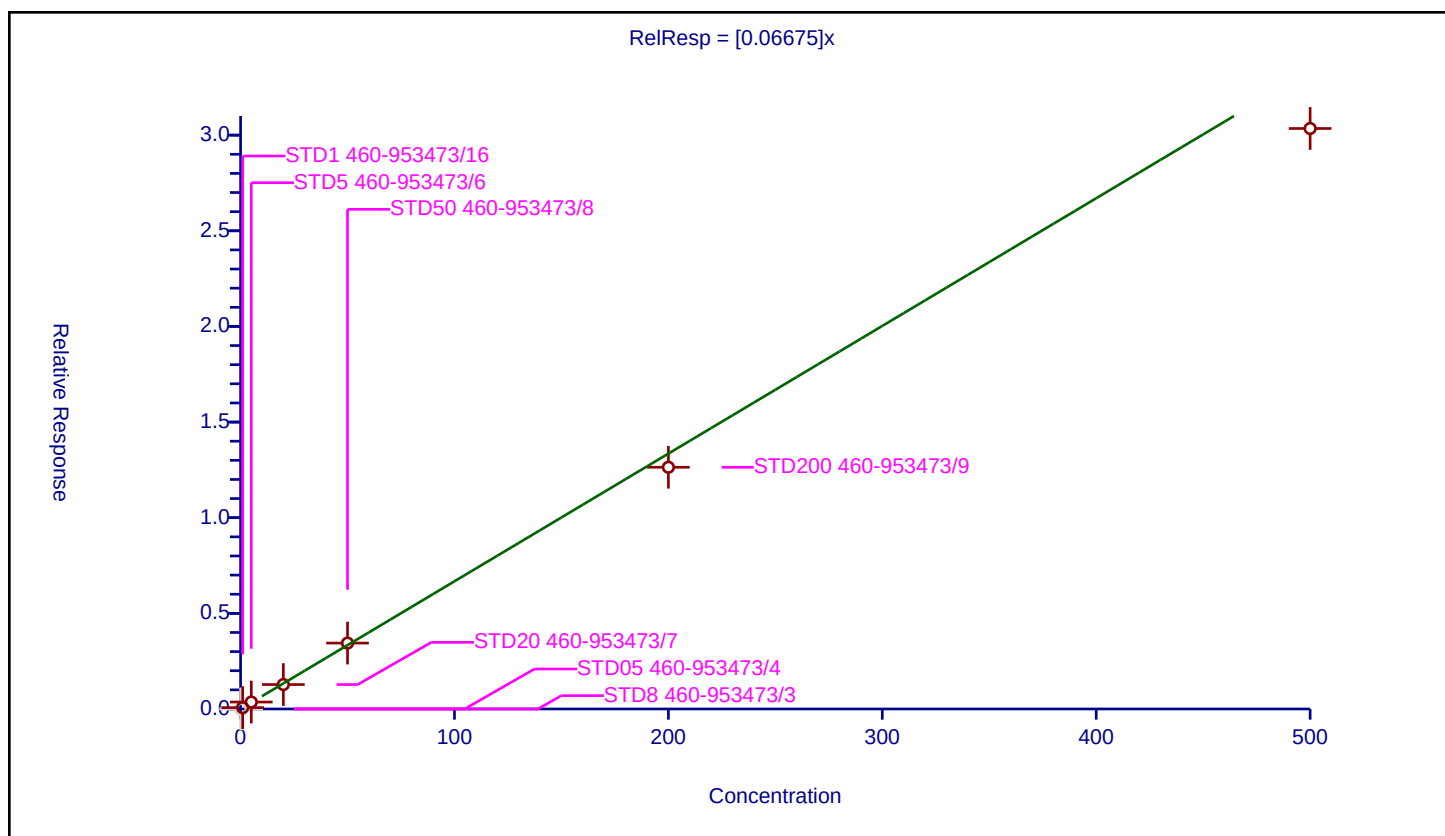
Curve Coefficients

Intercept: 0
Slope: 0.06675

Error Coefficients

Standard Error: 241000
Relative Standard Error: 7.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.0	50.0	638918.0	0.0	N
3	STD1 460-953473/16	1.0	0.071137	50.0	681779.0	0.071137	Y
4	STD5 460-953473/6	5.0	0.36374	50.0	648815.0	0.072748	Y
5	STD20 460-953473/7	20.0	1.277056	50.0	684700.0	0.063853	Y
6	STD50 460-953473/8	50.0	3.444862	50.0	730900.0	0.068897	Y
7	STD200 460-953473/9	200.0	12.636706	50.0	791389.0	0.063184	Y
8	STD500 460-953473/10	500.0	30.34781	50.0	818751.0	0.060696	Y



Calibration

/ Methylcyclohexane

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

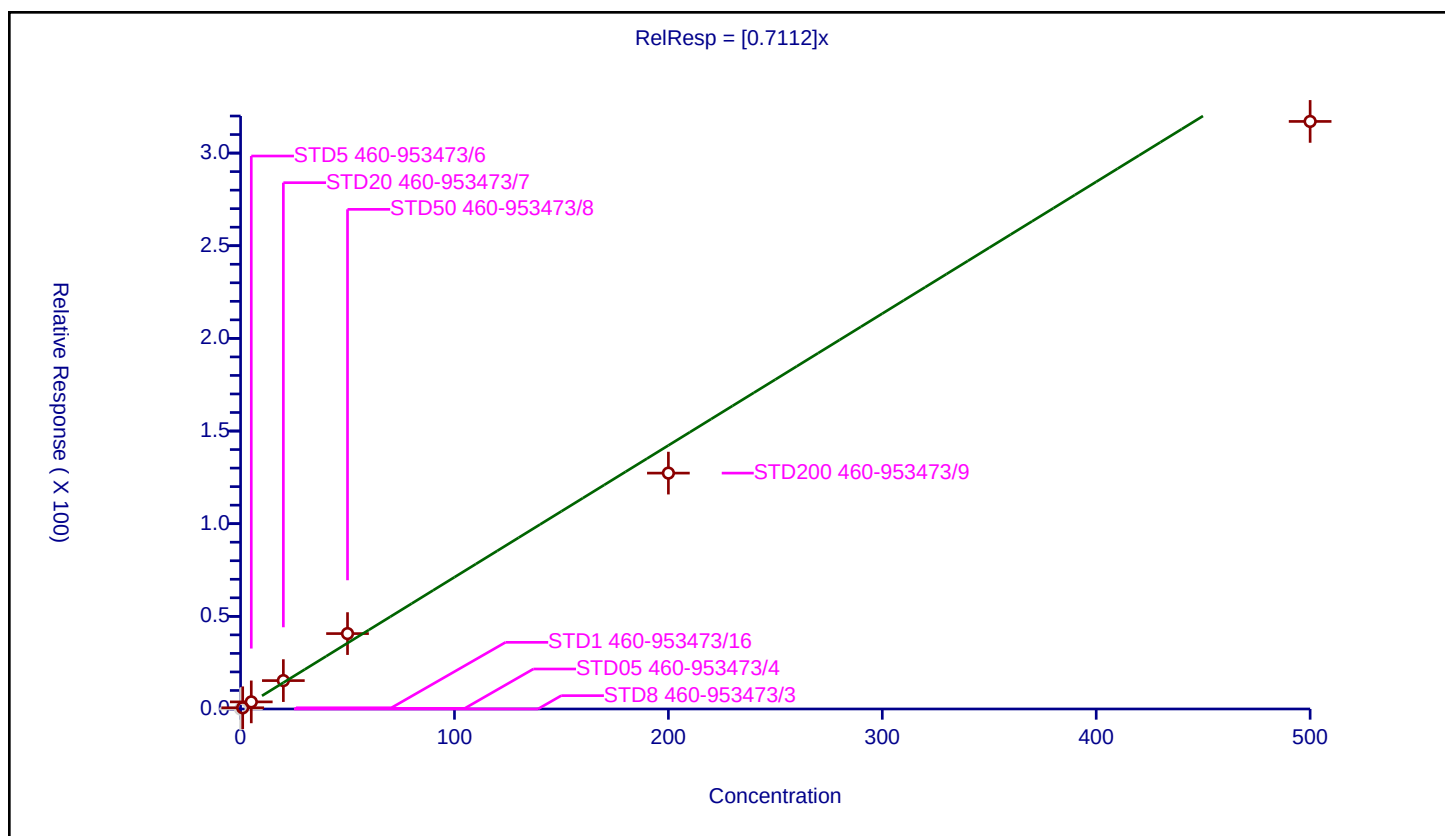
Curve Coefficients

Intercept: 0
Slope: 0.7112

Error Coefficients

Standard Error: 2510000
Relative Standard Error: 11.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.327976	50.0	638918.0	0.655953	N
3	STD1 460-953473/16	1.0	0.651164	50.0	681779.0	0.651164	Y
4	STD5 460-953473/6	5.0	3.829366	50.0	648815.0	0.765873	Y
5	STD20 460-953473/7	20.0	15.32087	50.0	684700.0	0.766044	Y
6	STD50 460-953473/8	50.0	40.686482	50.0	730900.0	0.81373	Y
7	STD200 460-953473/9	200.0	127.294415	50.0	791389.0	0.636472	Y
8	STD500 460-953473/10	500.0	317.080284	50.0	818751.0	0.634161	Y



Calibration

/ 1,2-Dichloropropane

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

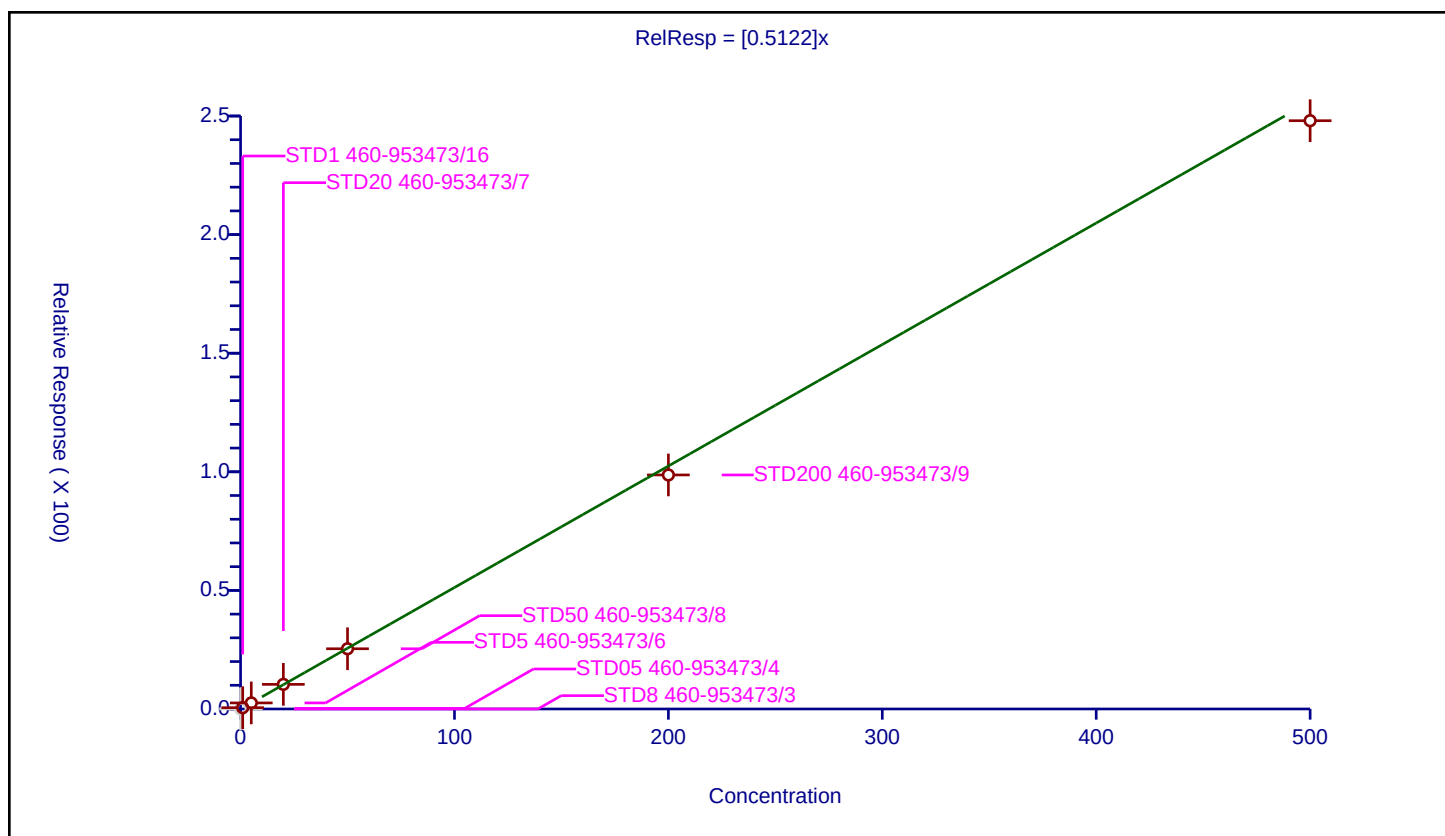
Curve Coefficients

Intercept: 0
Slope: 0.5122

Error Coefficients

Standard Error: 1950000
Relative Standard Error: 3.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.237746	50.0	638918.0	0.475491	N
3	STD1 460-953473/16	1.0	0.545118	50.0	681779.0	0.545118	Y
4	STD5 460-953473/6	5.0	2.556353	50.0	648815.0	0.511271	Y
5	STD20 460-953473/7	20.0	10.387761	50.0	684700.0	0.519388	Y
6	STD50 460-953473/8	50.0	25.395813	50.0	730900.0	0.507916	Y
7	STD200 460-953473/9	200.0	98.669175	50.0	791389.0	0.493346	Y
8	STD500 460-953473/10	500.0	248.026689	50.0	818751.0	0.496053	Y



Calibration

/ Methyl methacrylate

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

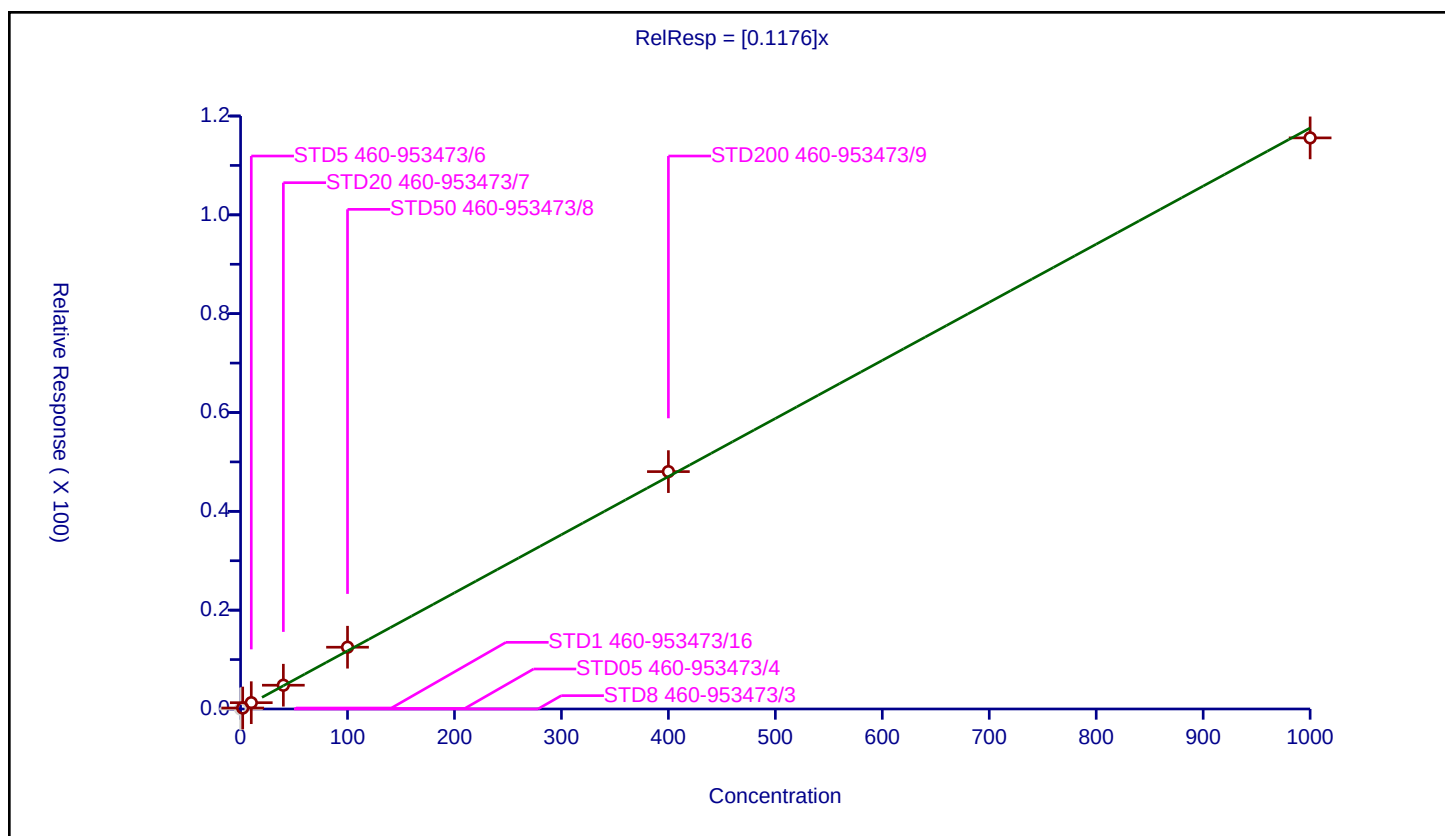
Curve Coefficients

Intercept: 0
Slope: 0.1176

Error Coefficients

Standard Error: 916000
Relative Standard Error: 9.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	1.0	0.098056	50.0	638918.0	0.098056	N
3	STD1 460-953473/16	2.0	0.194418	50.0	681779.0	0.097209	Y
4	STD5 460-953473/6	10.0	1.273707	50.0	648815.0	0.127371	Y
5	STD20 460-953473/7	40.0	4.808529	50.0	684700.0	0.120213	Y
6	STD50 460-953473/8	100.0	12.500479	50.0	730900.0	0.125005	Y
7	STD200 460-953473/9	400.0	48.038196	50.0	791389.0	0.120095	Y
8	STD500 460-953473/10	1000.0	115.577447	50.0	818751.0	0.115577	Y



Calibration

/ 1,4-Dioxane

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

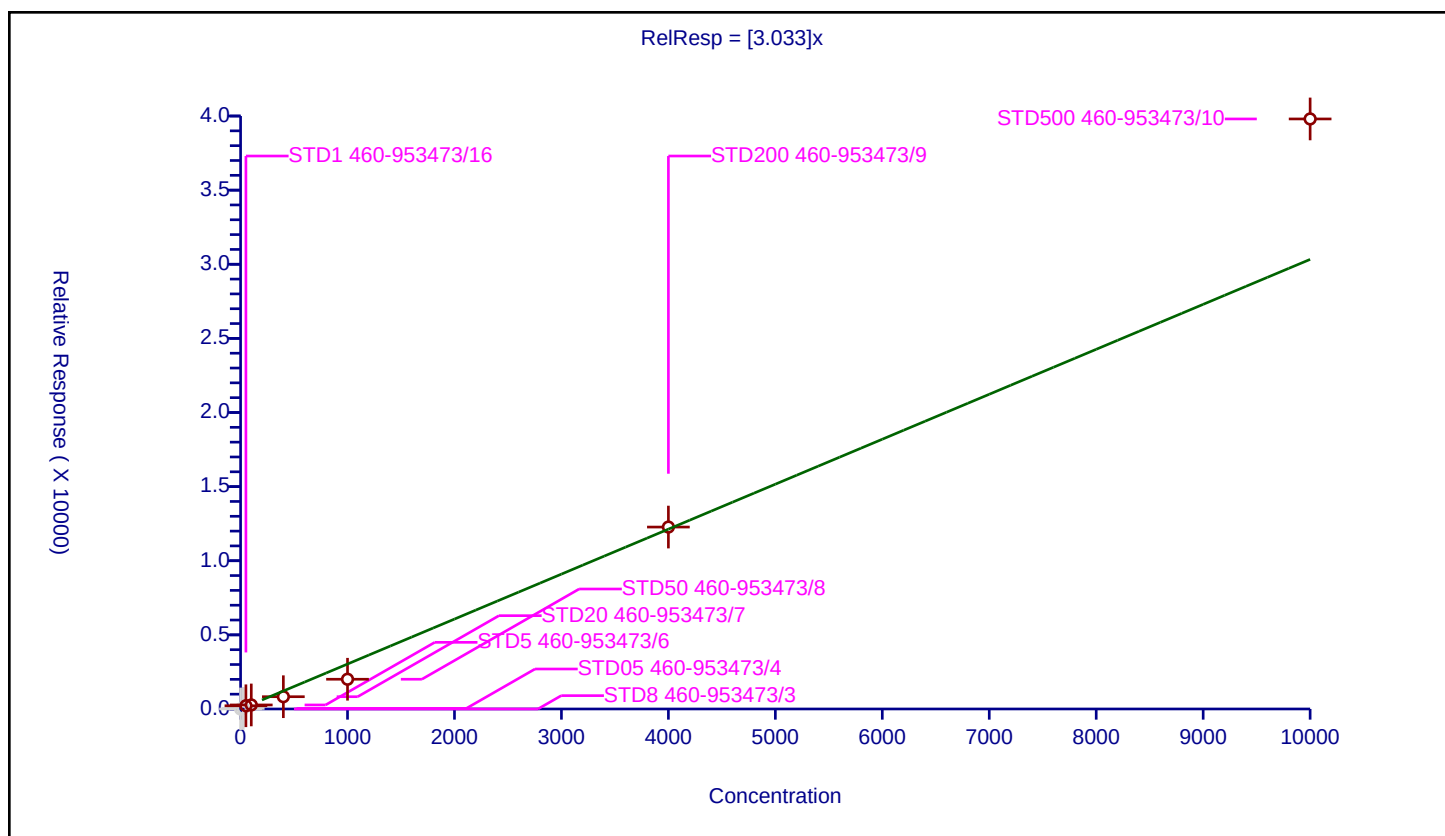
Curve Coefficients

Intercept: 0
Slope: 3.033

Error Coefficients

Standard Error: 270000
Relative Standard Error: 32.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.845

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	1000.0	19650.0	NaN	N
2	STD05 460-953473/4	25.000031	38.777965	1000.0	20785.0	1.551117	N
3	STD1 460-953473/16	50.000062	217.473208	1000.0	23888.0	4.349459	Y
4	STD5 460-953473/6	100.0	271.881919	1000.0	20325.0	2.718819	Y
5	STD20 460-953473/7	400.0	829.173511	1000.0	24961.0	2.072934	Y
6	STD50 460-953473/8	1000.0	2007.361047	1000.0	28121.0	2.007361	Y
7	STD200 460-953473/9	4000.0	12272.761863	1000.0	18397.0	3.06819	Y
8	STD500 460-953473/10	10000.0	39802.515639	1000.0	14867.0	3.980252	Y



Calibration

/ Dibromomethane

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

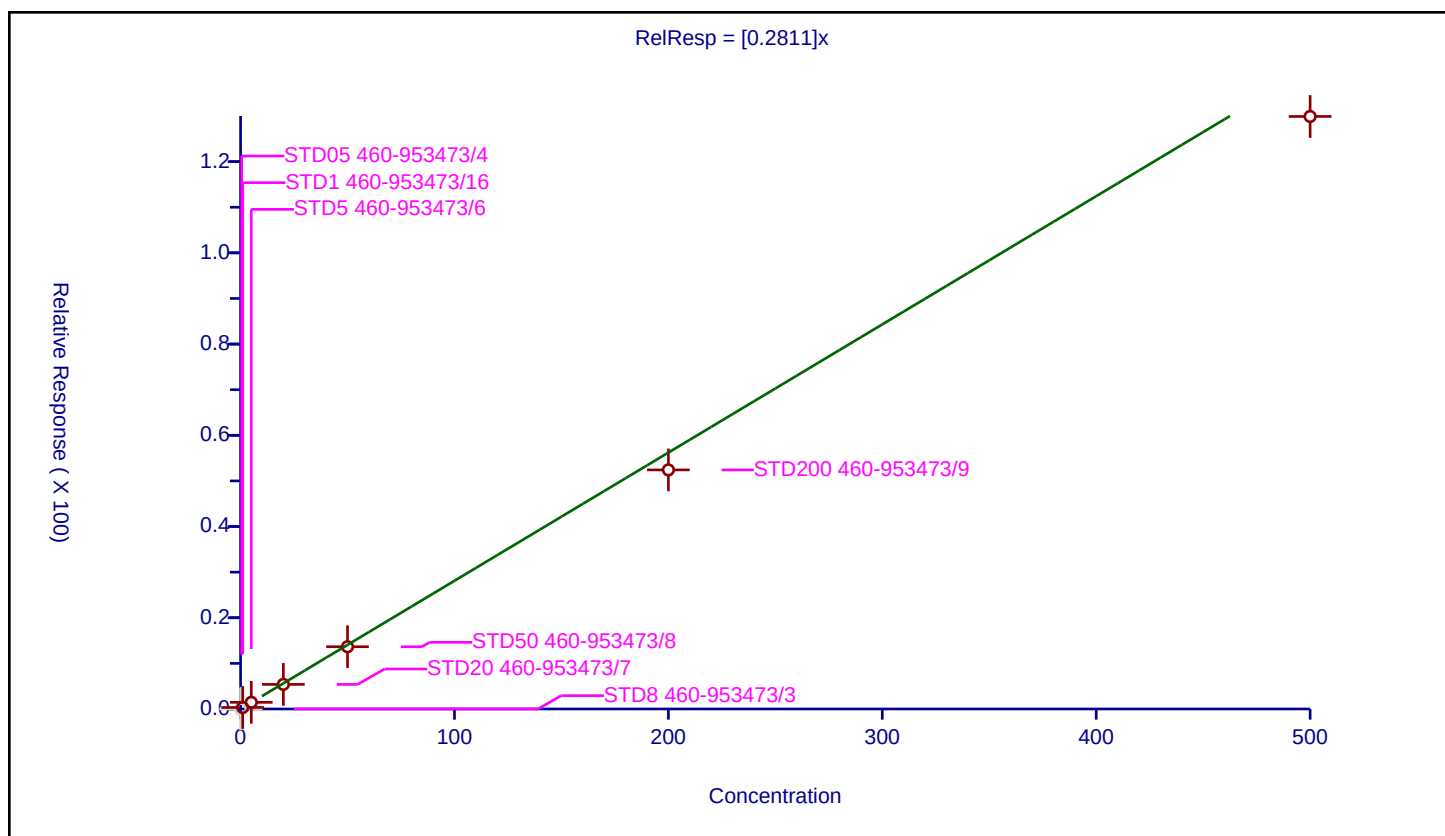
Curve Coefficients

Intercept: 0
Slope: 0.2811

Error Coefficients

Standard Error: 1030000
Relative Standard Error: 9.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.192669	50.0	638918.0	0.385339	N
3	STD1 460-953473/16	1.0	0.329872	50.0	681779.0	0.329872	Y
4	STD5 460-953473/6	5.0	1.460355	50.0	648815.0	0.292071	Y
5	STD20 460-953473/7	20.0	5.391631	50.0	684700.0	0.269582	Y
6	STD50 460-953473/8	50.0	13.648037	50.0	730900.0	0.272961	Y
7	STD200 460-953473/9	200.0	52.415626	50.0	791389.0	0.262078	Y
8	STD500 460-953473/10	500.0	129.900788	50.0	818751.0	0.259802	Y



Calibration

/ n-Propyl acetate

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

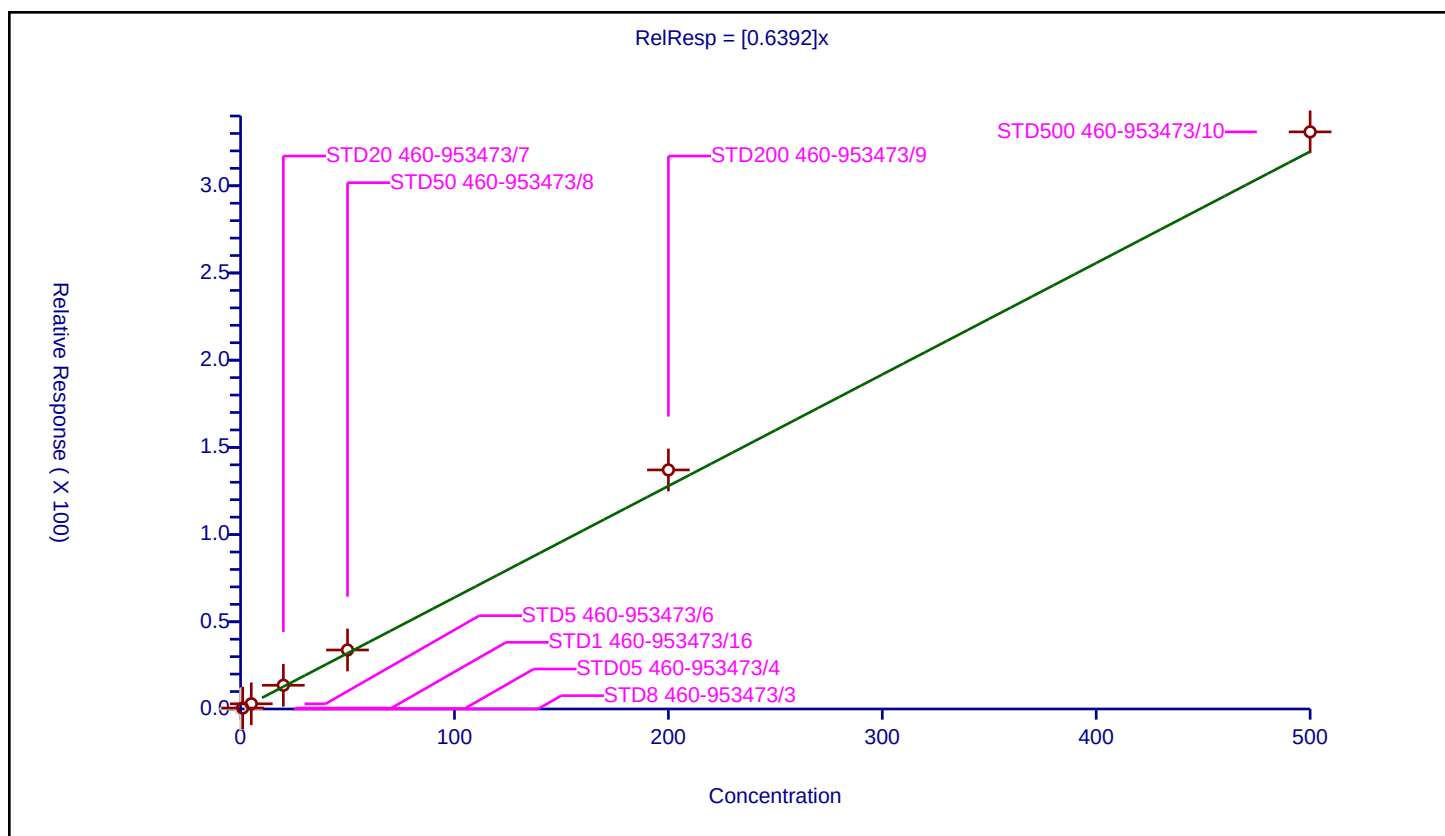
Curve Coefficients

Intercept: 0
 Slope: 0.6392

Error Coefficients

Standard Error: 2620000
 Relative Standard Error: 9.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.230781	50.0	638918.0	0.461562	N
3	STD1 460-953473/16	1.0	0.537051	50.0	681779.0	0.537051	Y
4	STD5 460-953473/6	5.0	2.974731	50.0	648815.0	0.594946	Y
5	STD20 460-953473/7	20.0	13.594202	50.0	684700.0	0.67971	Y
6	STD50 460-953473/8	50.0	33.832467	50.0	730900.0	0.676649	Y
7	STD200 460-953473/9	200.0	137.06698	50.0	791389.0	0.685335	Y
8	STD500 460-953473/10	500.0	330.904145	50.0	818751.0	0.661808	Y



Calibration

/ Dichlorobromomethane

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

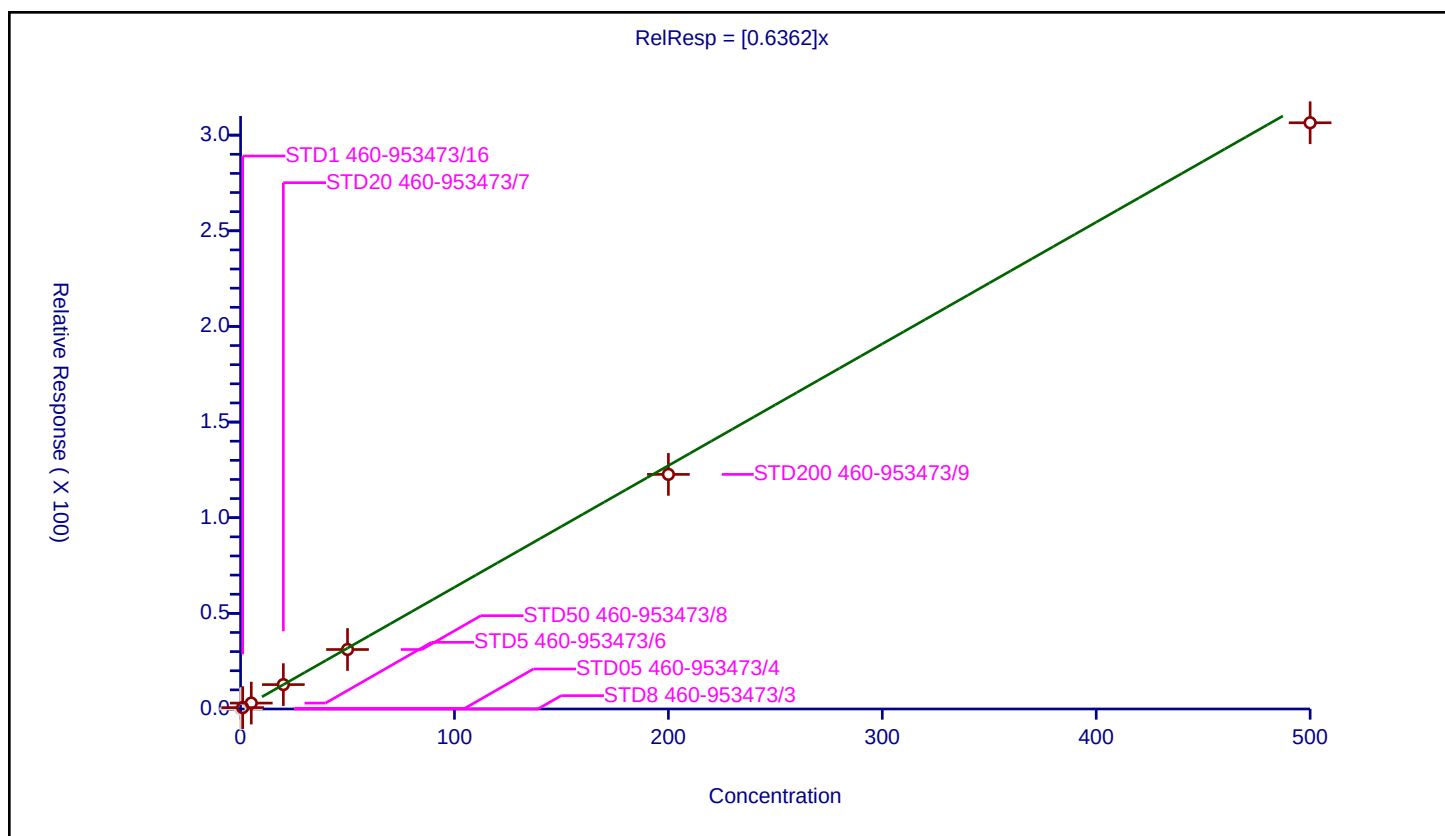
Curve Coefficients

Intercept: 0
Slope: 0.6362

Error Coefficients

Standard Error: 2420000
Relative Standard Error: 6.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5	0.312638	50.0	638918.0	0.625276	N
3	STD1 460-953473/16	1.0	0.714528	50.0	681779.0	0.714528	Y
4	STD5 460-953473/6	5.0	3.087783	50.0	648815.0	0.617557	Y
5	STD20 460-953473/7	20.0	12.747262	50.0	684700.0	0.637363	Y
6	STD50 460-953473/8	50.0	31.088589	50.0	730900.0	0.621772	Y
7	STD200 460-953473/9	200.0	122.645564	50.0	791389.0	0.613228	Y
8	STD500 460-953473/10	500.0	306.477305	50.0	818751.0	0.612955	Y



Calibration

/ 2-Chloroethyl vinyl ether

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

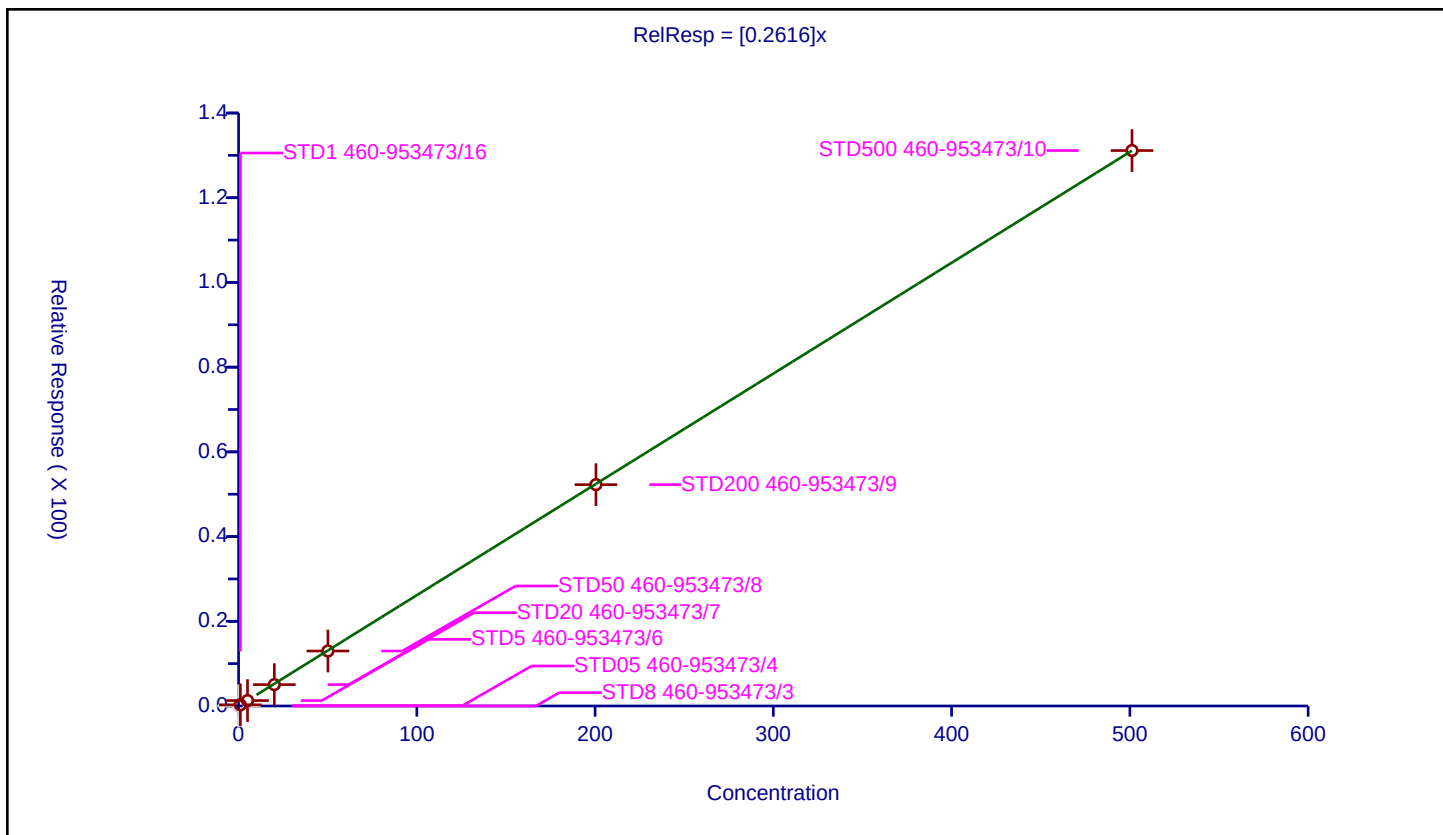
Curve Coefficients

Intercept: 0
 Slope: 0.2616

Error Coefficients

Standard Error: 1030000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	636877.0	NaN	N
2	STD05 460-953473/4	0.5012	0.082796	50.0	638918.0	0.165196	N
3	STD1 460-953473/16	1.0024	0.282056	50.0	681779.0	0.281381	Y
4	STD5 460-953473/6	5.012	1.279564	50.0	648815.0	0.2553	Y
5	STD20 460-953473/7	20.048	5.044326	50.0	684700.0	0.251612	Y
6	STD50 460-953473/8	50.12	12.979067	50.0	730900.0	0.25896	Y
7	STD200 460-953473/9	200.48	52.256918	50.0	791389.0	0.260659	Y
8	STD500 460-953473/10	501.2	131.143534	50.0	818751.0	0.261659	Y



Calibration

/ Epichlorohydrin

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

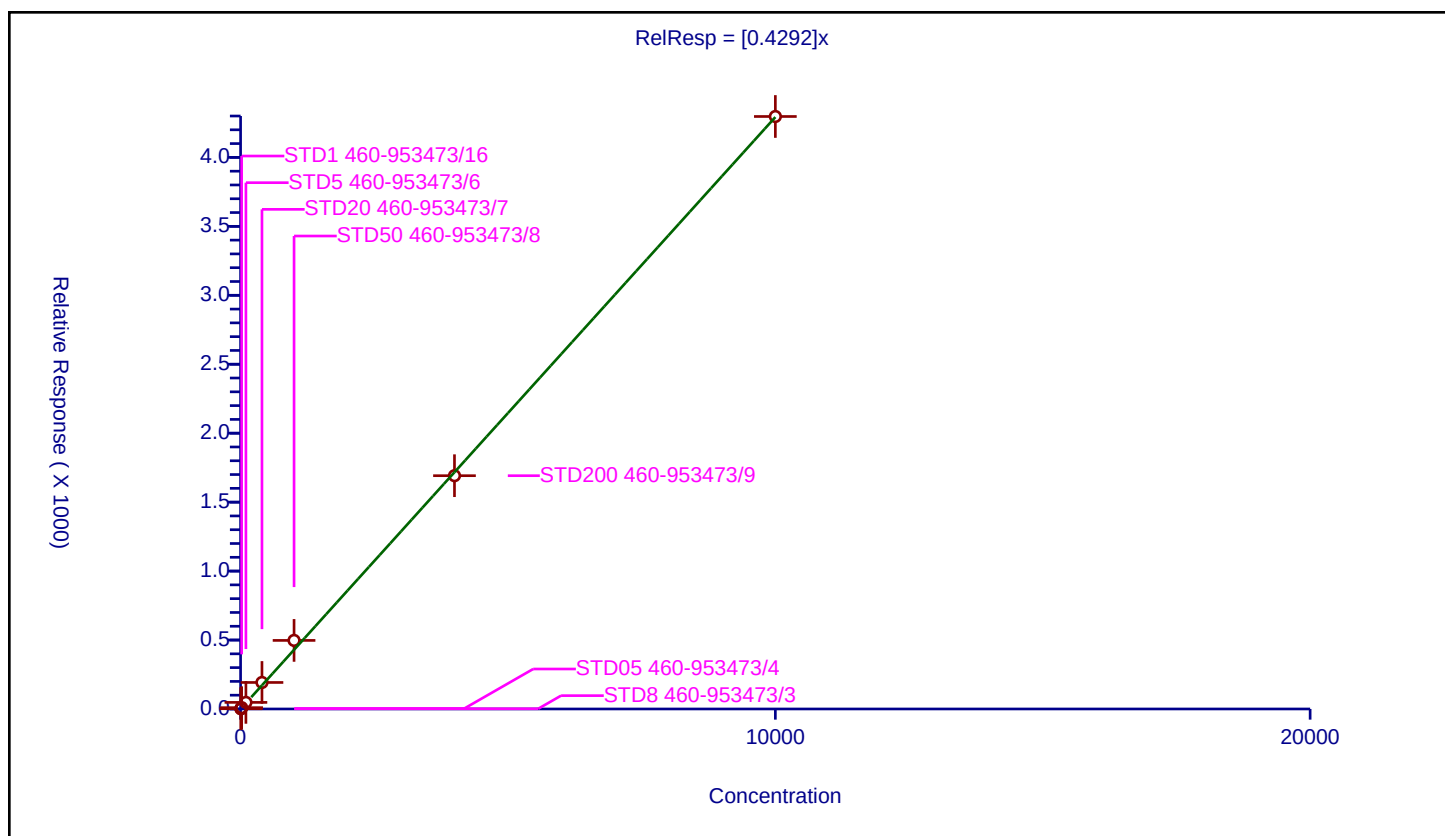
Curve Coefficients

Intercept: 0
Slope: 0.4292

Error Coefficients

Standard Error: 2890000
Relative Standard Error: 17.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	5.000009	1.779201	250.0	313905.0	0.35584	Y
2	STD05 460-953473/4	10.000017	2.872132	250.0	303085.0	0.287213	Y
3	STD1 460-953473/16	20.000035	9.620337	250.0	304823.0	0.481016	Y
4	STD5 460-953473/6	100.000173	47.898484	250.0	299284.0	0.478984	Y
5	STD20 460-953473/7	400.000692	192.335143	250.0	333470.0	0.480837	Y
6	STD50 460-953473/8	1000.00173	497.189908	250.0	343583.0	0.497189	Y
7	STD200 460-953473/9	4000.00692	1691.801596	250.0	414599.0	0.42295	Y
8	STD500 460-953473/10	10000.0173	4296.447806	250.0	412759.0	0.429644	Y



Calibration

/ cis-1,3-Dichloropropene

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

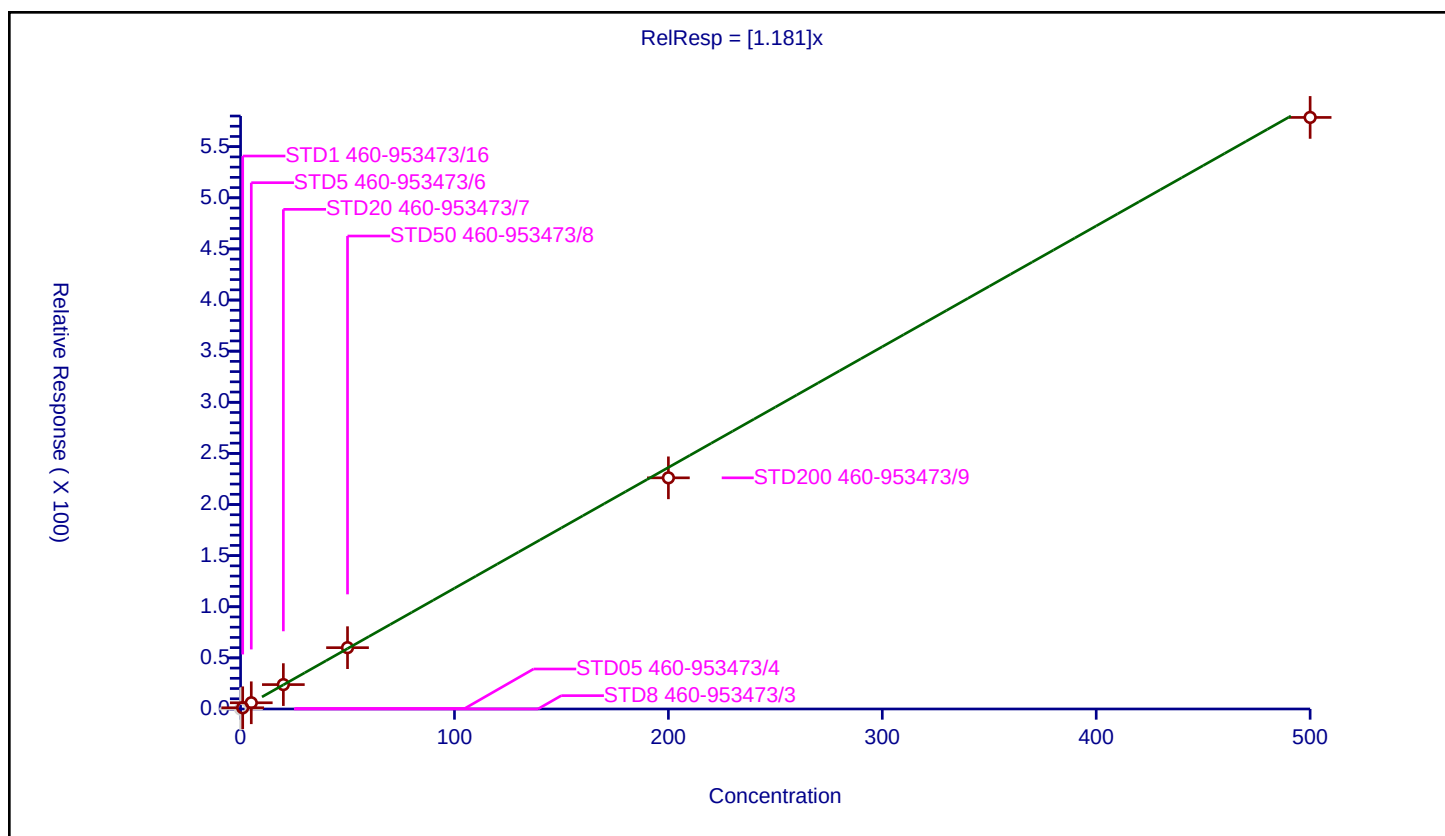
Curve Coefficients

Intercept: 0
Slope: 1.181

Error Coefficients

Standard Error: 3160000
Relative Standard Error: 2.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.490571	50.0	456611.0	0.981141	N
3	STD1 460-953473/16	1.0	1.192274	50.0	483404.0	1.192274	Y
4	STD5 460-953473/6	5.0	6.077544	50.0	452724.0	1.215509	Y
5	STD20 460-953473/7	20.0	23.841662	50.0	477926.0	1.192083	Y
6	STD50 460-953473/8	50.0	59.98044	50.0	501526.0	1.199609	Y
7	STD200 460-953473/9	200.0	226.111425	50.0	560789.0	1.130557	Y
8	STD500 460-953473/10	500.0	578.627026	50.0	568241.0	1.157254	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

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

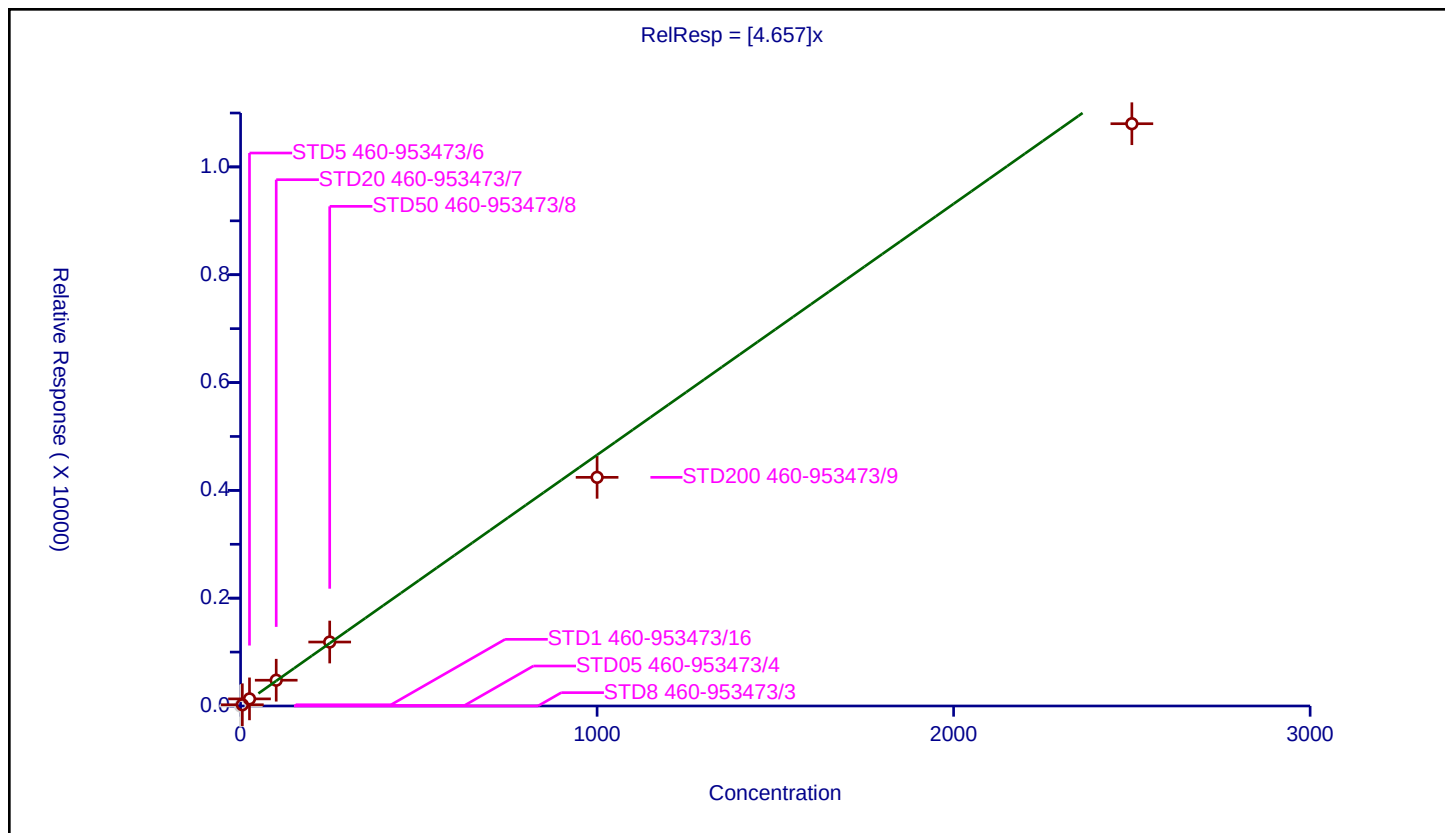
Curve Coefficients

Intercept: 0
Slope: 4.657

Error Coefficients

Standard Error: 8600000
Relative Standard Error: 8.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	2.5	9.756339	250.0	303085.0	3.902536	N
3	STD1 460-953473/16	5.0	22.923139	250.0	304823.0	4.584628	Y
4	STD5 460-953473/6	25.0	131.801232	250.0	299284.0	5.272049	Y
5	STD20 460-953473/7	100.0	478.038504	250.0	333470.0	4.780385	Y
6	STD50 460-953473/8	250.0	1186.349441	250.0	343583.0	4.745398	Y
7	STD200 460-953473/9	1000.0	4241.790863	250.0	414599.0	4.241791	Y
8	STD500 460-953473/10	2500.0	10801.67725	250.0	412759.0	4.320671	Y



Calibration

/ Toluene-d8 (Surr)

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

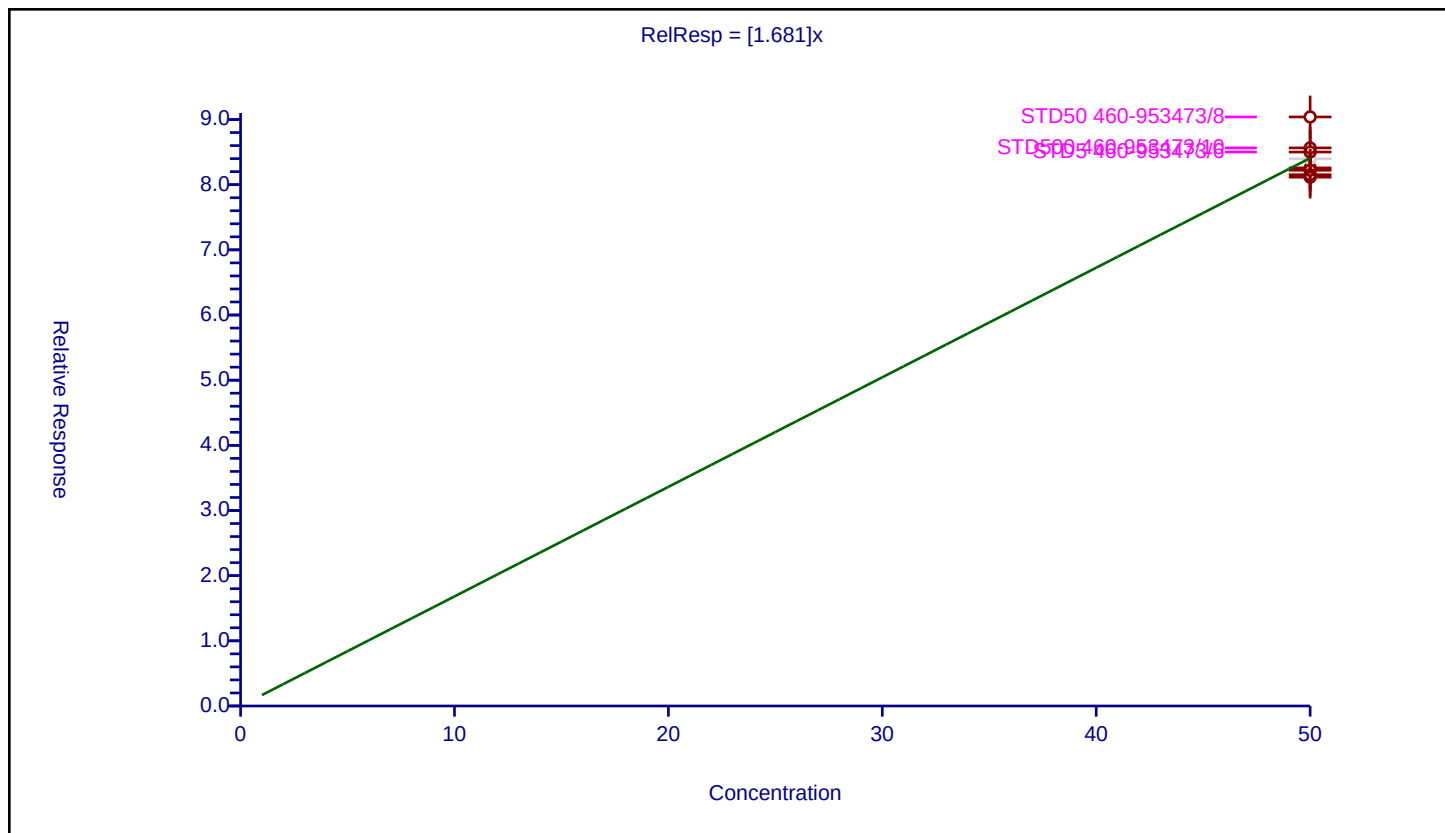
Curve Coefficients

Intercept: 0
 Slope: 1.681

Error Coefficients

Standard Error: 916000
 Relative Standard Error: 3.9
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	50.0	82.576728	50.0	470104.0	1.651535	Y
2	STD05 460-953473/4	50.0	83.97947	50.0	456611.0	1.679589	N
3	STD5 460-953473/6	50.0	85.010956	50.0	452724.0	1.700219	Y
4	STD20 460-953473/7	50.0	82.211995	50.0	477926.0	1.64424	Y
5	STD50 460-953473/8	50.0	90.393718	50.0	501526.0	1.807874	Y
6	STD200 460-953473/9	50.0	81.155301	50.0	560789.0	1.623106	Y
7	STD500 460-953473/10	50.0	85.646583	50.0	568241.0	1.712932	Y
8	STD1 460-953473/16	50.0	81.528907	50.0	483404.0	1.630578	Y



Calibration

/ Toluene

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

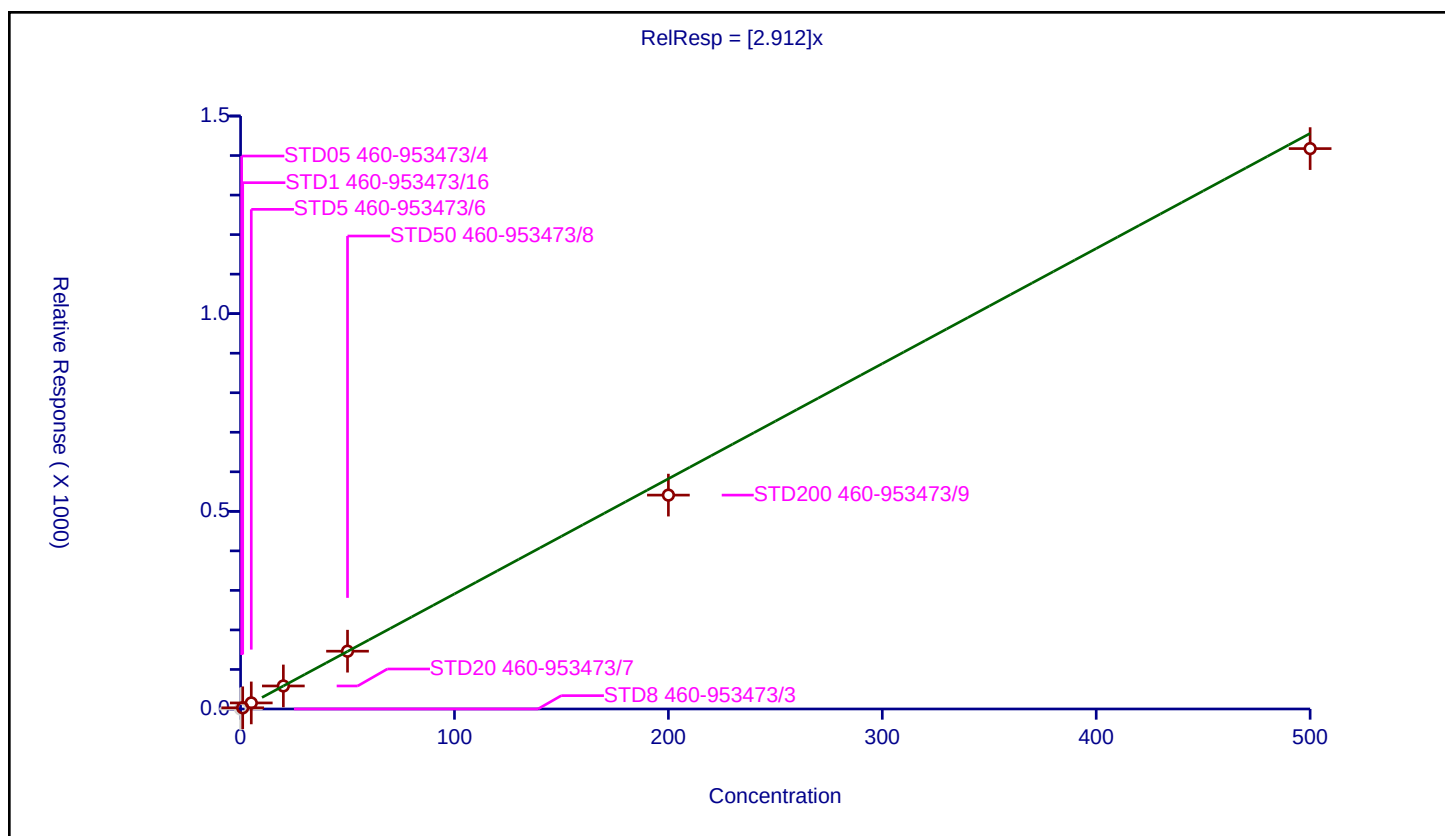
Curve Coefficients

Intercept: 0
Slope: 2.912

Error Coefficients

Standard Error: 7730000
Relative Standard Error: 4.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	1.649544	50.0	456611.0	3.299088	N
3	STD1 460-953473/16	1.0	3.028936	50.0	483404.0	3.028936	Y
4	STD5 460-953473/6	5.0	15.338705	50.0	452724.0	3.067741	Y
5	STD20 460-953473/7	20.0	58.235585	50.0	477926.0	2.911779	Y
6	STD50 460-953473/8	50.0	146.17946	50.0	501526.0	2.923589	Y
7	STD200 460-953473/9	200.0	541.068477	50.0	560789.0	2.705342	Y
8	STD500 460-953473/10	500.0	1417.552324	50.0	568241.0	2.835105	Y



Calibration

/ trans-1,3-Dichloropropene

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

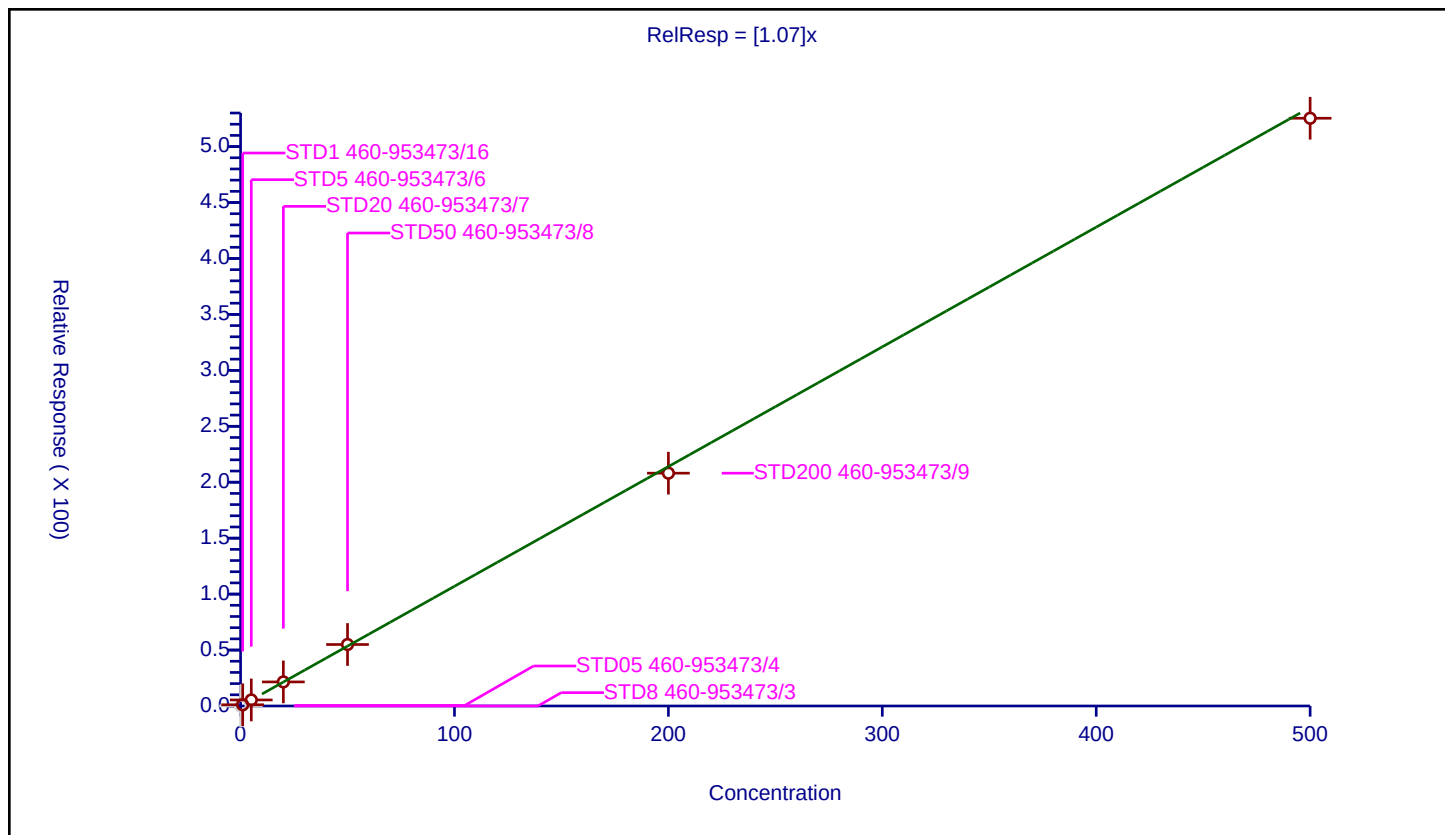
Curve Coefficients

Intercept: 0
Slope: 1.07

Error Coefficients

Standard Error: 2880000
Relative Standard Error: 2.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.470422	50.0	456611.0	0.940845	N
3	STD1 460-953473/16	1.0	1.074464	50.0	483404.0	1.074464	Y
4	STD5 460-953473/6	5.0	5.395451	50.0	452724.0	1.07909	Y
5	STD20 460-953473/7	20.0	21.52101	50.0	477926.0	1.07605	Y
6	STD50 460-953473/8	50.0	54.952286	50.0	501526.0	1.099046	Y
7	STD200 460-953473/9	200.0	208.097609	50.0	560789.0	1.040488	Y
8	STD500 460-953473/10	500.0	525.332737	50.0	568241.0	1.050665	Y



Calibration

/ 1,1,2-Trichloroethane

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

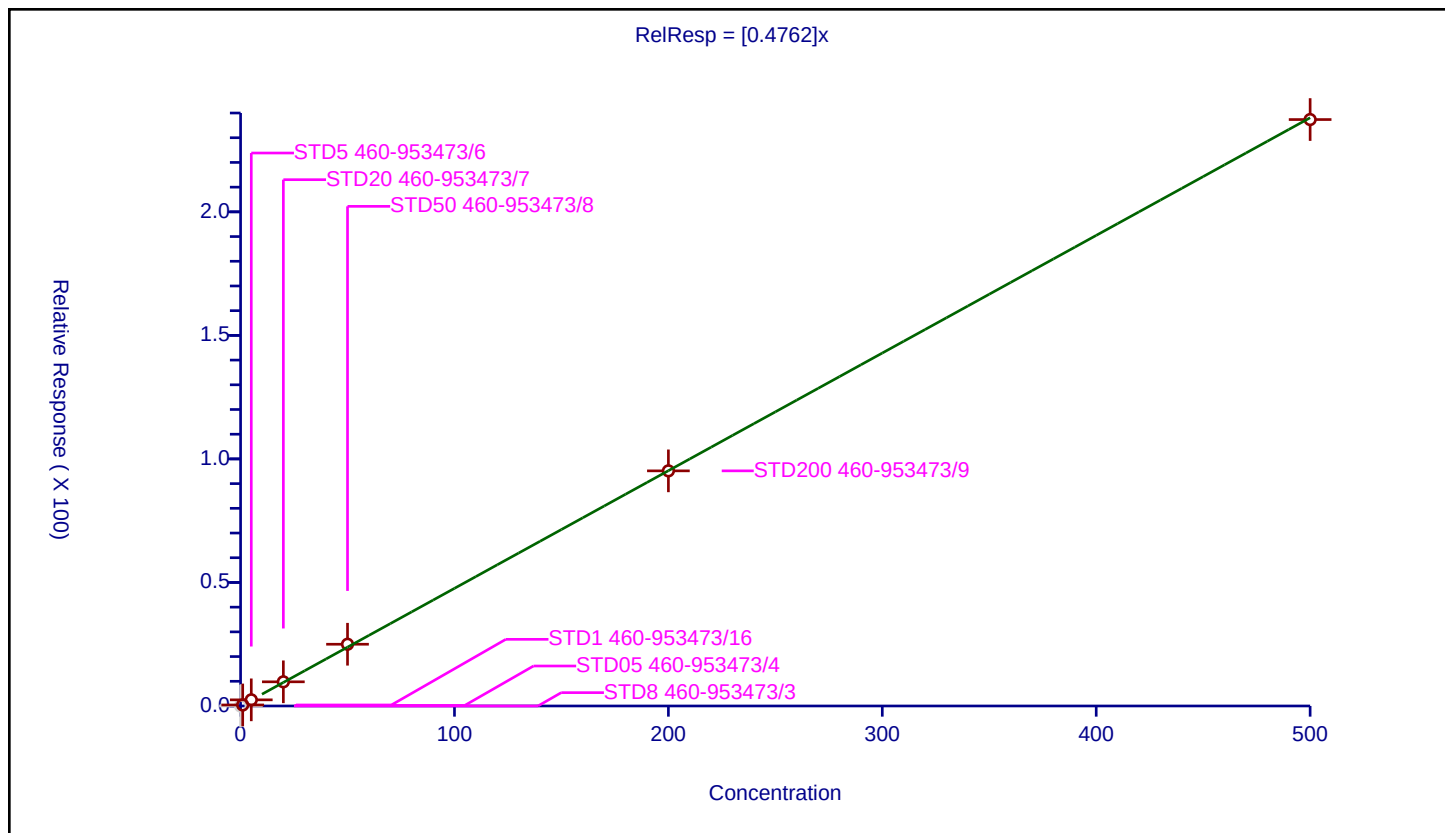
Curve Coefficients

Intercept: 0
 Slope: 0.4762

Error Coefficients

Standard Error: 1300000
 Relative Standard Error: 6.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.219005	50.0	456611.0	0.43801	N
3	STD1 460-953473/16	1.0	0.420456	50.0	483404.0	0.420456	Y
4	STD5 460-953473/6	5.0	2.485841	50.0	452724.0	0.497168	Y
5	STD20 460-953473/7	20.0	9.780175	50.0	477926.0	0.489009	Y
6	STD50 460-953473/8	50.0	24.990728	50.0	501526.0	0.499815	Y
7	STD200 460-953473/9	200.0	95.165205	50.0	560789.0	0.475826	Y
8	STD500 460-953473/10	500.0	237.353165	50.0	568241.0	0.474706	Y



Calibration

/ Tetrachloroethene

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

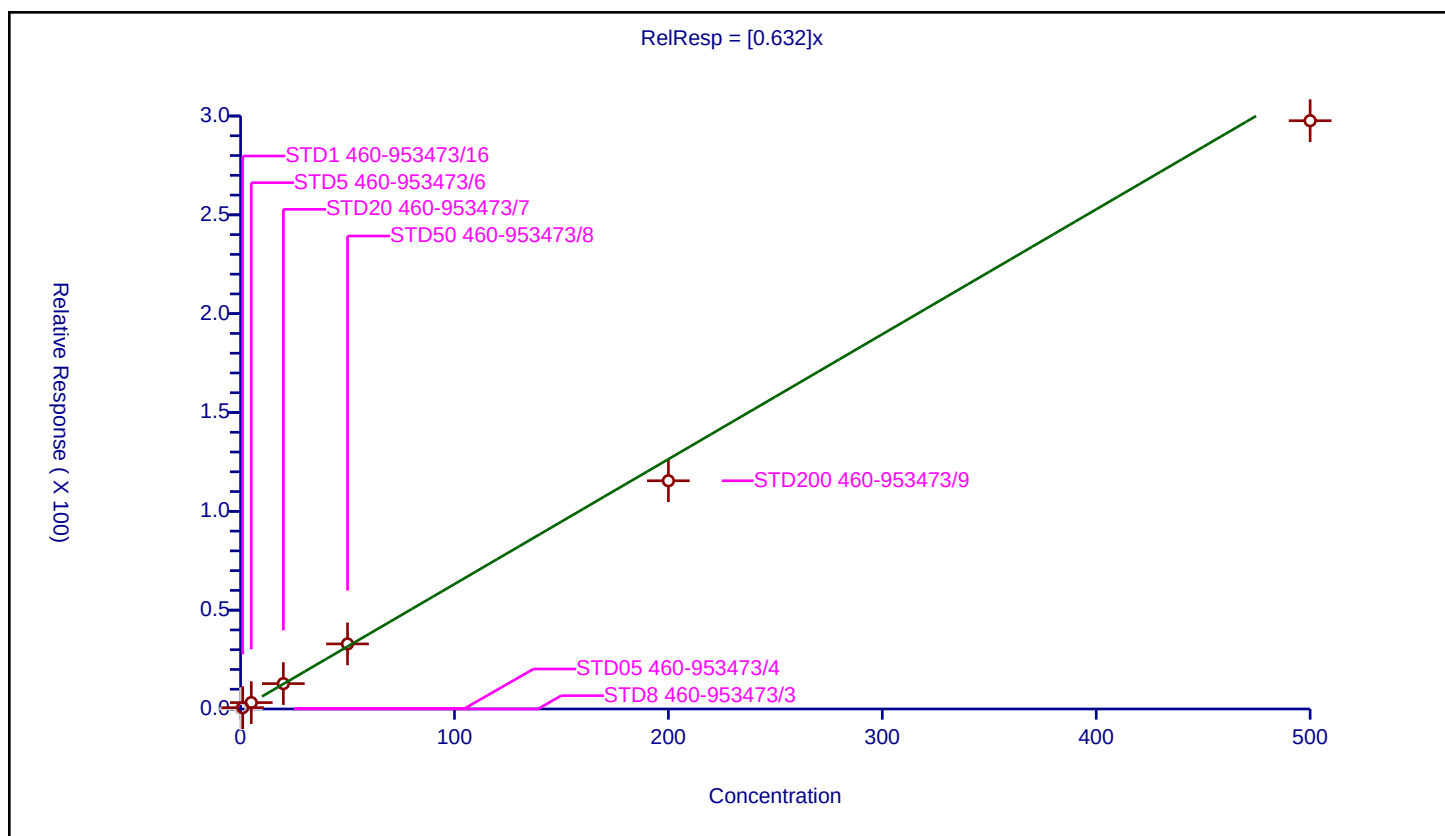
Curve Coefficients

Intercept: 0
Slope: 0.632

Error Coefficients

Standard Error: 1630000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.27277	50.0	456611.0	0.545541	N
3	STD1 460-953473/16	1.0	0.672729	50.0	483404.0	0.672729	Y
4	STD5 460-953473/6	5.0	3.23166	50.0	452724.0	0.646332	Y
5	STD20 460-953473/7	20.0	12.833054	50.0	477926.0	0.641653	Y
6	STD50 460-953473/8	50.0	32.920327	50.0	501526.0	0.658407	Y
7	STD200 460-953473/9	200.0	115.467404	50.0	560789.0	0.577337	Y
8	STD500 460-953473/10	500.0	297.630407	50.0	568241.0	0.595261	Y



Calibration

/ 1,3-Dichloropropane

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

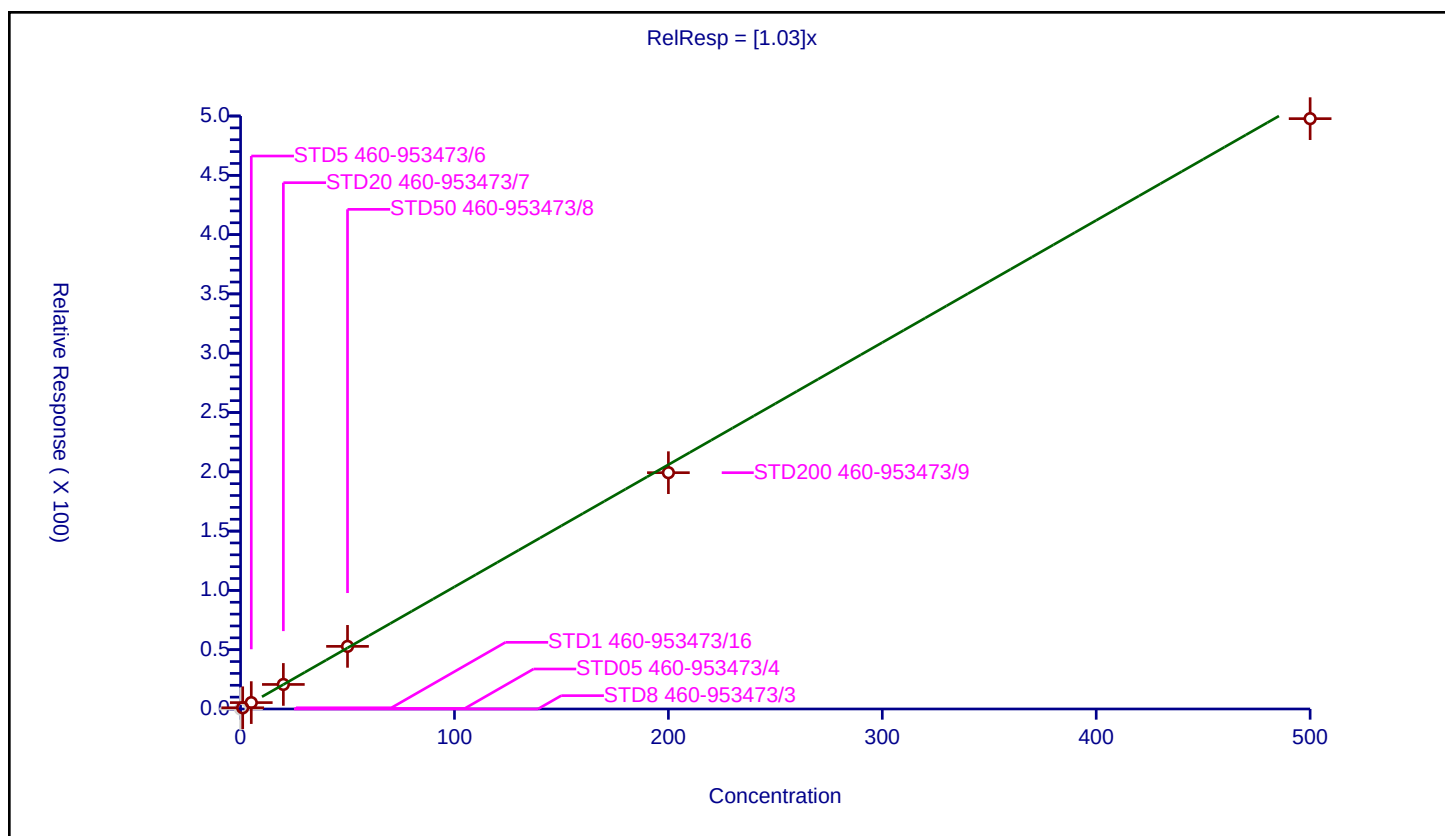
Curve Coefficients

Intercept: 0
Slope: 1.03

Error Coefficients

Standard Error: 2730000
Relative Standard Error: 3.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.42695	50.0	456611.0	0.8539	N
3	STD1 460-953473/16	1.0	1.02285	50.0	483404.0	1.02285	Y
4	STD5 460-953473/6	5.0	5.375129	50.0	452724.0	1.075026	Y
5	STD20 460-953473/7	20.0	20.688558	50.0	477926.0	1.034428	Y
6	STD50 460-953473/8	50.0	52.797163	50.0	501526.0	1.055943	Y
7	STD200 460-953473/9	200.0	199.256226	50.0	560789.0	0.996281	Y
8	STD500 460-953473/10	500.0	497.784567	50.0	568241.0	0.995569	Y



Calibration

/ 2-Hexanone

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

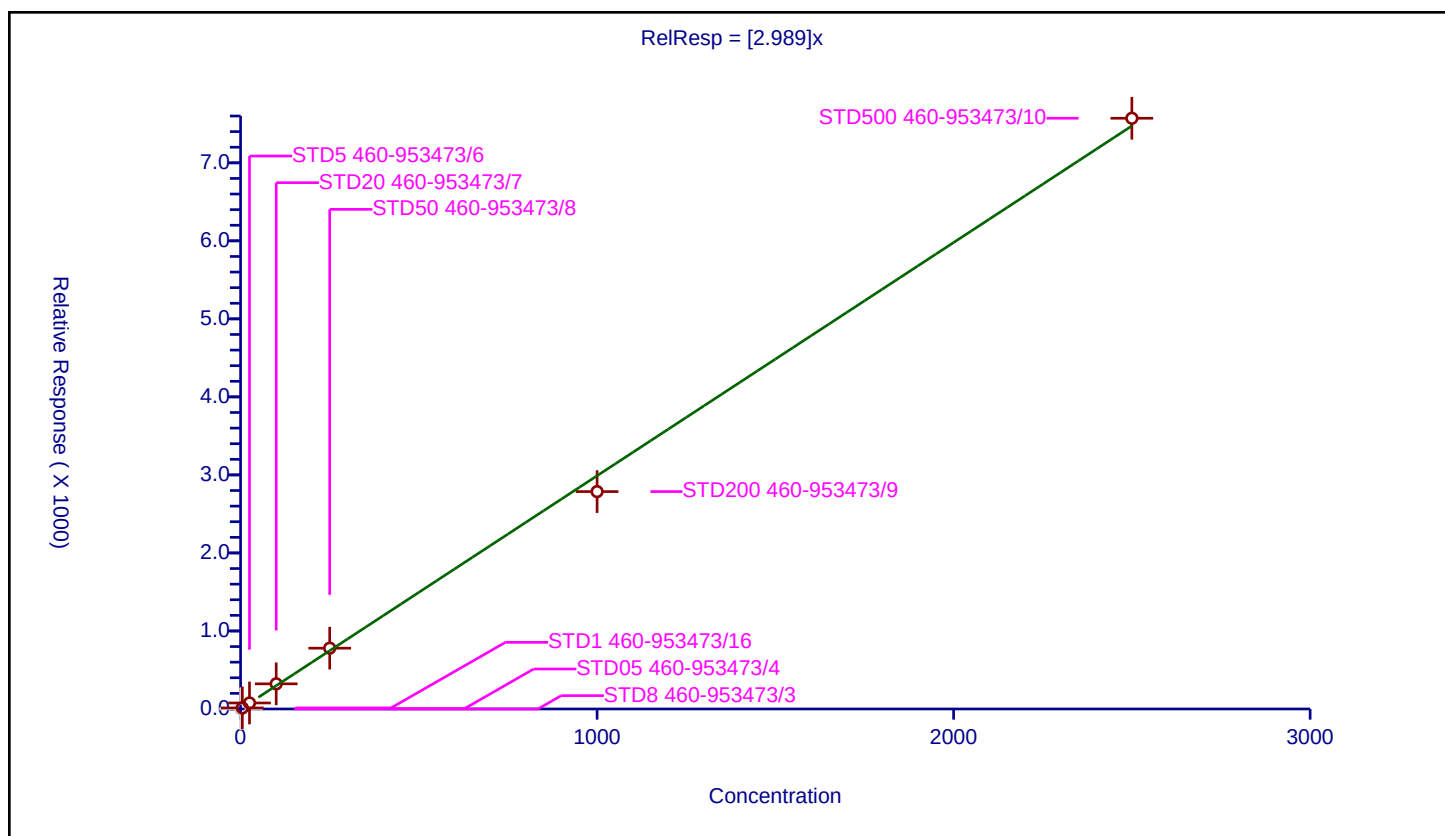
Curve Coefficients

Intercept: 0
Slope: 2.989

Error Coefficients

Standard Error: 5980000
Relative Standard Error: 6.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	250.0	313905.0	NaN	N
2	STD05 460-953473/4	2.5	4.192718	250.0	303085.0	1.677087	N
3	STD1 460-953473/16	5.0	13.493076	250.0	304823.0	2.698615	Y
4	STD5 460-953473/6	25.0	76.987076	250.0	299284.0	3.079483	Y
5	STD20 460-953473/7	100.0	322.461541	250.0	333470.0	3.224615	Y
6	STD50 460-953473/8	250.0	779.527072	250.0	343583.0	3.118108	Y
7	STD200 460-953473/9	1000.0	2786.411689	250.0	414599.0	2.786412	Y
8	STD500 460-953473/10	2500.0	7571.412737	250.0	412759.0	3.028565	Y



Calibration

/ n-Butyl acetate

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

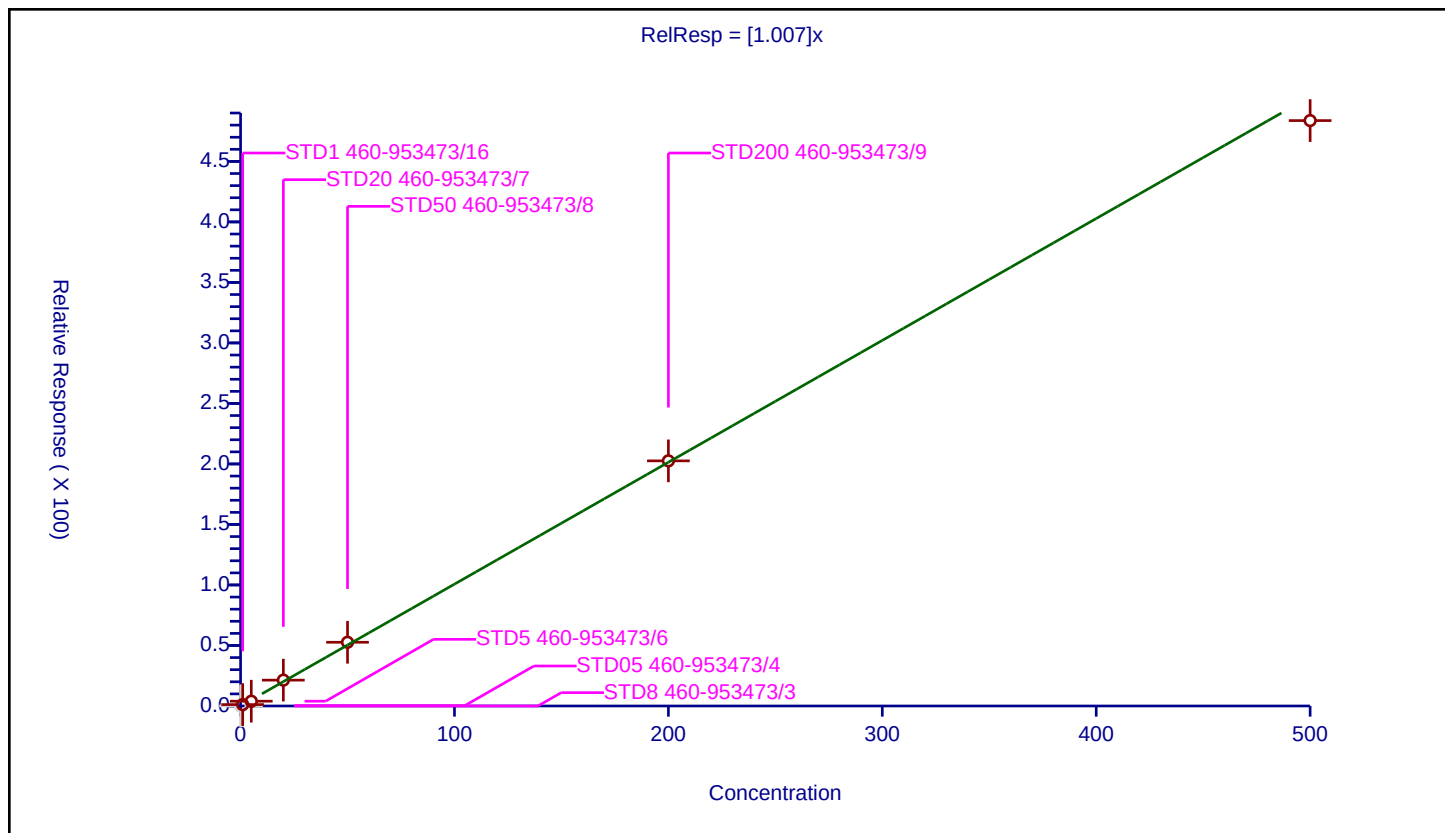
Curve Coefficients

Intercept: 0
 Slope: 1.007

Error Coefficients

Standard Error: 2670000
 Relative Standard Error: 12.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.228203	50.0	456611.0	0.456406	N
3	STD1 460-953473/16	1.0	1.150487	50.0	483404.0	1.150487	Y
4	STD5 460-953473/6	5.0	3.950641	50.0	452724.0	0.790128	Y
5	STD20 460-953473/7	20.0	21.362617	50.0	477926.0	1.068131	Y
6	STD50 460-953473/8	50.0	52.646922	50.0	501526.0	1.052938	Y
7	STD200 460-953473/9	200.0	202.569772	50.0	560789.0	1.012849	Y
8	STD500 460-953473/10	500.0	483.749061	50.0	568241.0	0.967498	Y



Calibration

/ Chlorodibromomethane

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

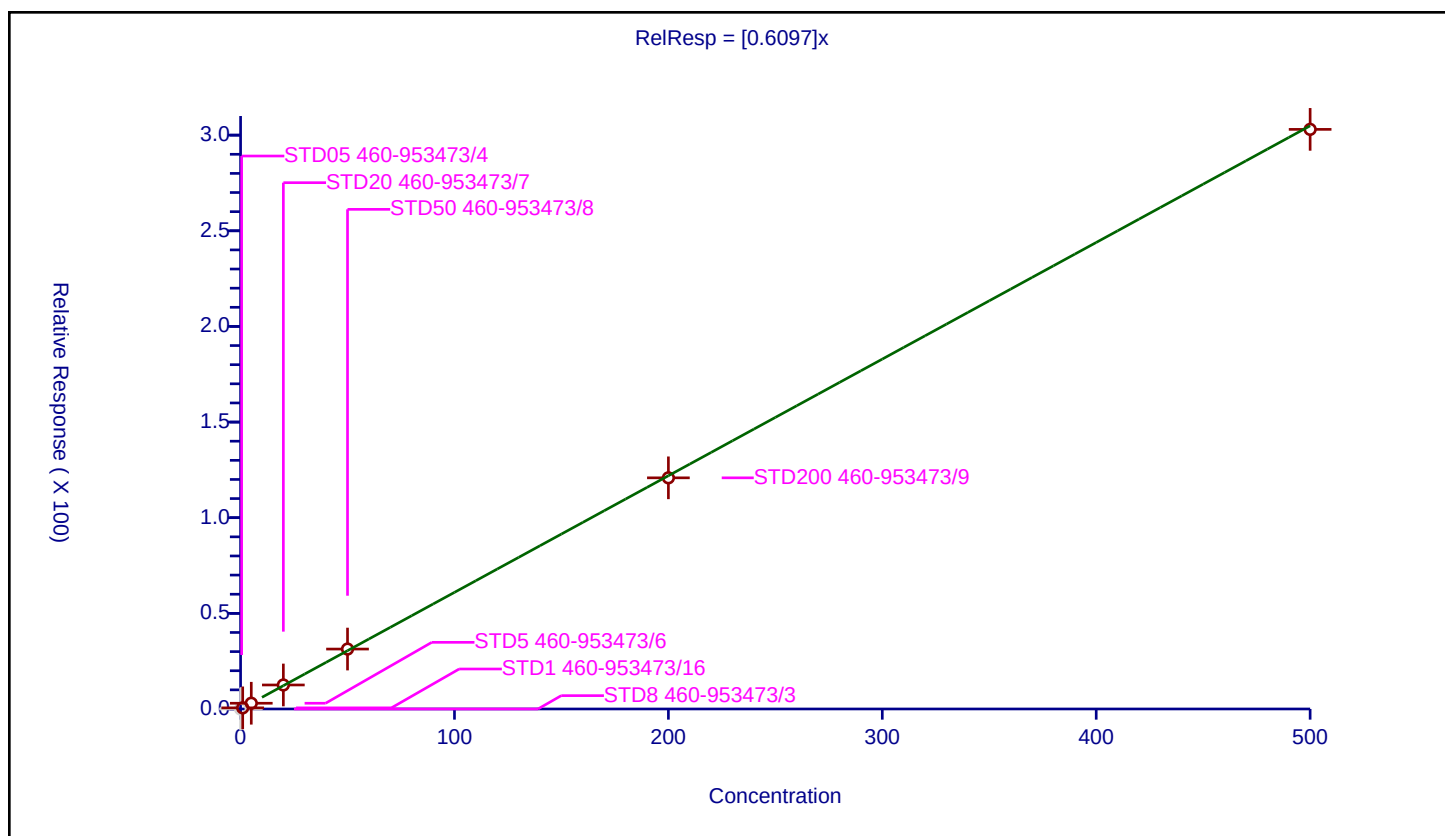
Curve Coefficients

Intercept: 0
Slope: 0.6097

Error Coefficients

Standard Error: 1660000
Relative Standard Error: 2.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.320842	50.0	456611.0	0.641684	N
3	STD1 460-953473/16	1.0	0.592569	50.0	483404.0	0.592569	Y
4	STD5 460-953473/6	5.0	3.006578	50.0	452724.0	0.601316	Y
5	STD20 460-953473/7	20.0	12.551106	50.0	477926.0	0.627555	Y
6	STD50 460-953473/8	50.0	31.332274	50.0	501526.0	0.626645	Y
7	STD200 460-953473/9	200.0	120.846789	50.0	560789.0	0.604234	Y
8	STD500 460-953473/10	500.0	303.017646	50.0	568241.0	0.606035	Y



Calibration

/ Ethylene Dibromide

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

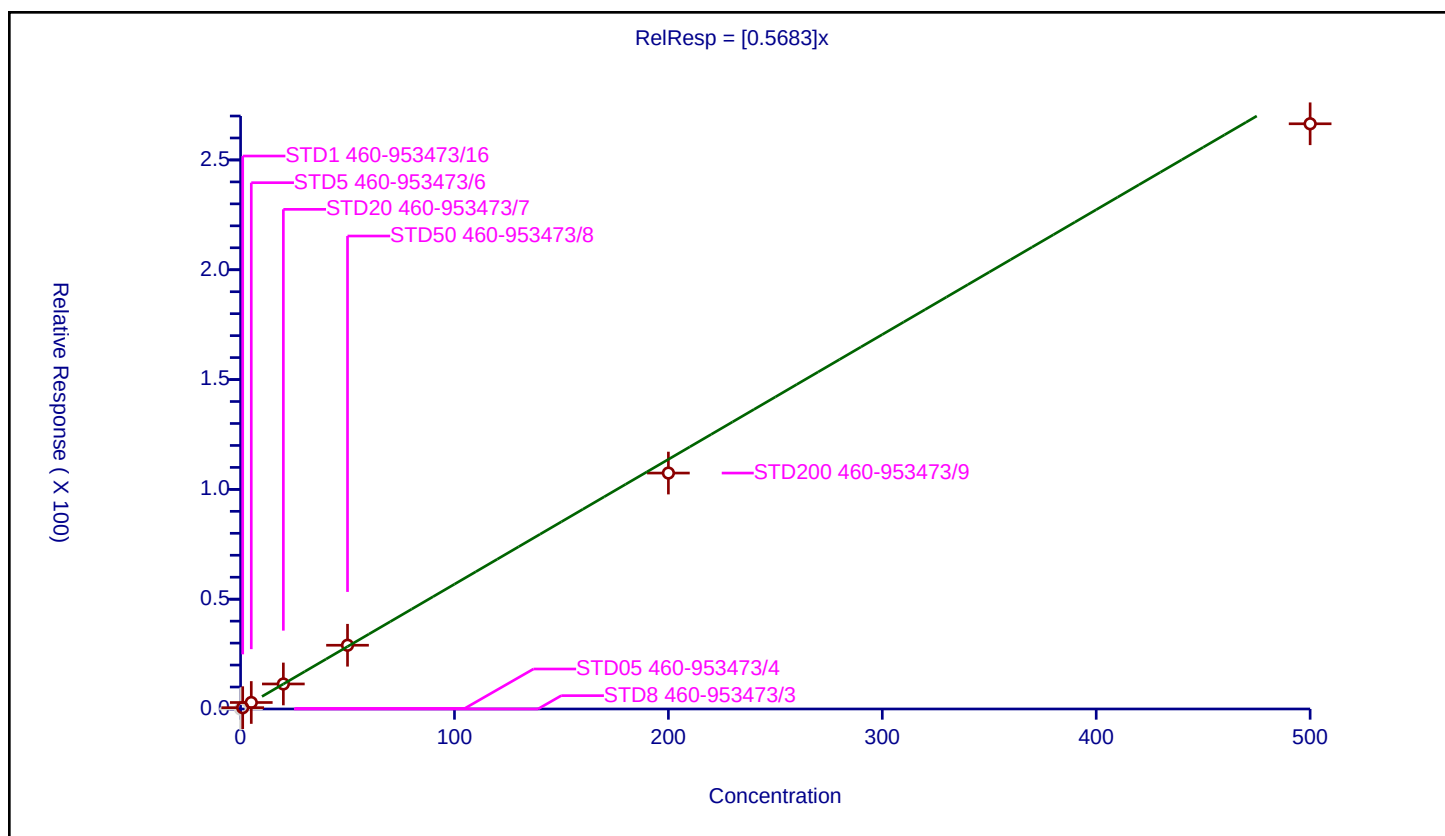
Curve Coefficients

Intercept: 0
Slope: 0.5683

Error Coefficients

Standard Error: 1460000
Relative Standard Error: 4.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.249118	50.0	456611.0	0.498236	N
3	STD1 460-953473/16	1.0	0.599395	50.0	483404.0	0.599395	Y
4	STD5 460-953473/6	5.0	2.952019	50.0	452724.0	0.590404	Y
5	STD20 460-953473/7	20.0	11.394965	50.0	477926.0	0.569748	Y
6	STD50 460-953473/8	50.0	29.022922	50.0	501526.0	0.580458	Y
7	STD200 460-953473/9	200.0	107.431226	50.0	560789.0	0.537156	Y
8	STD500 460-953473/10	500.0	266.465637	50.0	568241.0	0.532931	Y



Calibration

/ Chlorobenzene

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

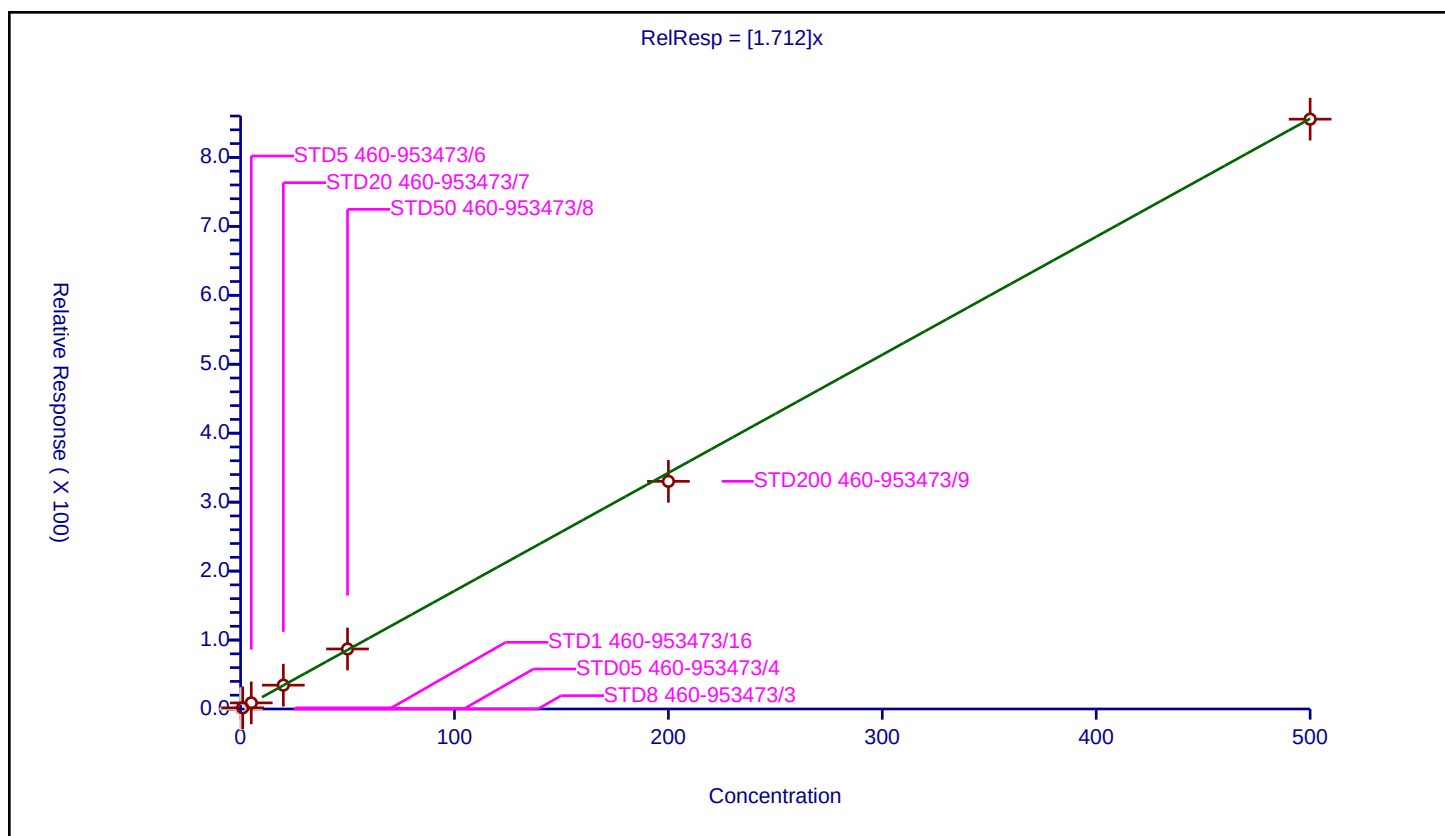
Curve Coefficients

Intercept: 0
Slope: 1.712

Error Coefficients

Standard Error: 4670000
Relative Standard Error: 2.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.806814	50.0	456611.0	1.613627	N
3	STD1 460-953473/16	1.0	1.678617	50.0	483404.0	1.678617	Y
4	STD5 460-953473/6	5.0	8.830877	50.0	452724.0	1.766175	Y
5	STD20 460-953473/7	20.0	34.541017	50.0	477926.0	1.727051	Y
6	STD50 460-953473/8	50.0	87.024302	50.0	501526.0	1.740486	Y
7	STD200 460-953473/9	200.0	330.164019	50.0	560789.0	1.65082	Y
8	STD500 460-953473/10	500.0	855.452088	50.0	568241.0	1.710904	Y



Calibration

/ Ethylbenzene

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

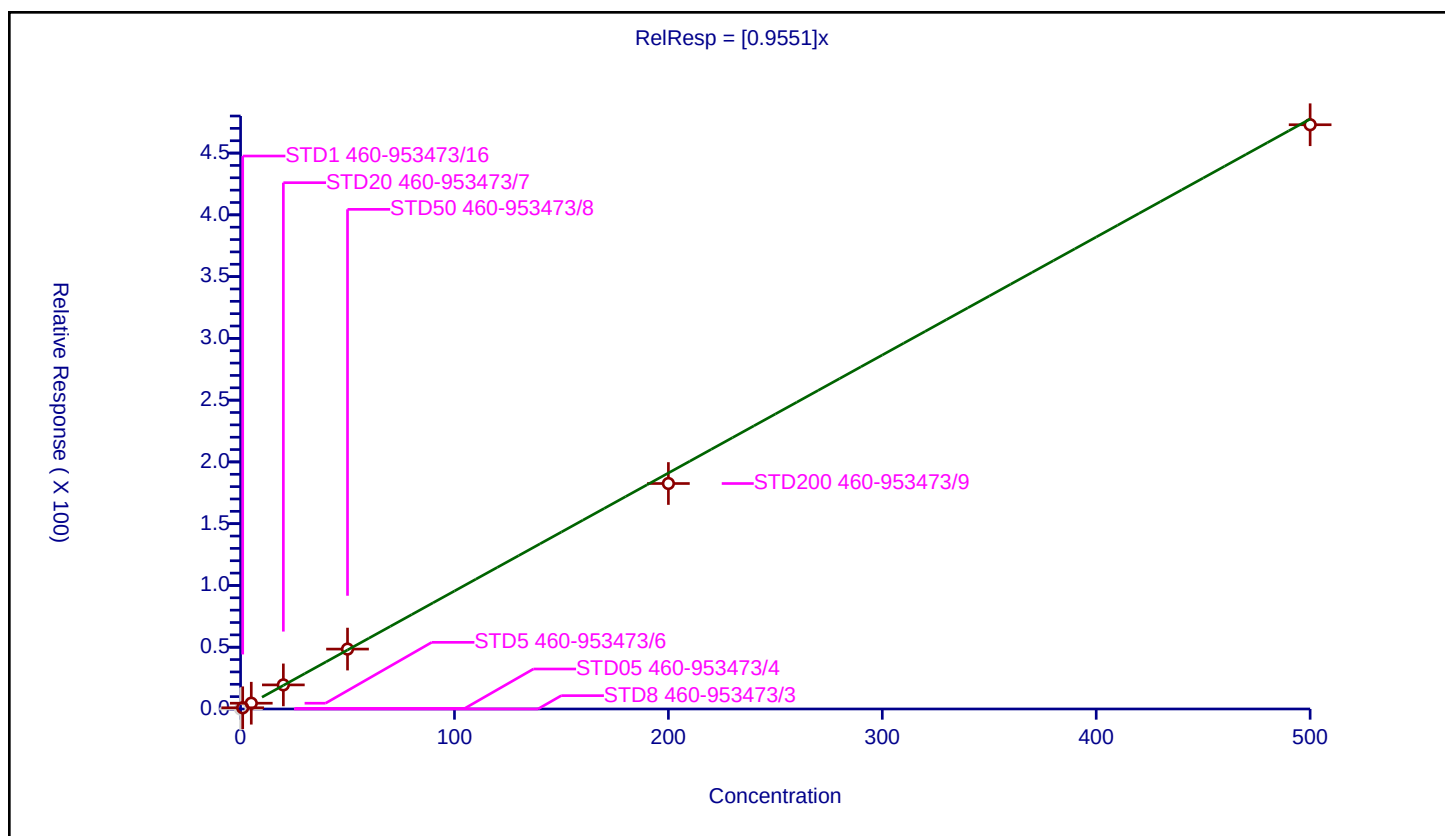
Curve Coefficients

Intercept: 0
Slope: 0.9551

Error Coefficients

Standard Error: 2580000
Relative Standard Error: 3.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.465823	50.0	456611.0	0.931646	N
3	STD1 460-953473/16	1.0	0.990579	50.0	483404.0	0.990579	Y
4	STD5 460-953473/6	5.0	4.683317	50.0	452724.0	0.936663	Y
5	STD20 460-953473/7	20.0	19.502287	50.0	477926.0	0.975114	Y
6	STD50 460-953473/8	50.0	48.48612	50.0	501526.0	0.969722	Y
7	STD200 460-953473/9	200.0	182.515795	50.0	560789.0	0.912579	Y
8	STD500 460-953473/10	500.0	472.944754	50.0	568241.0	0.94589	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

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

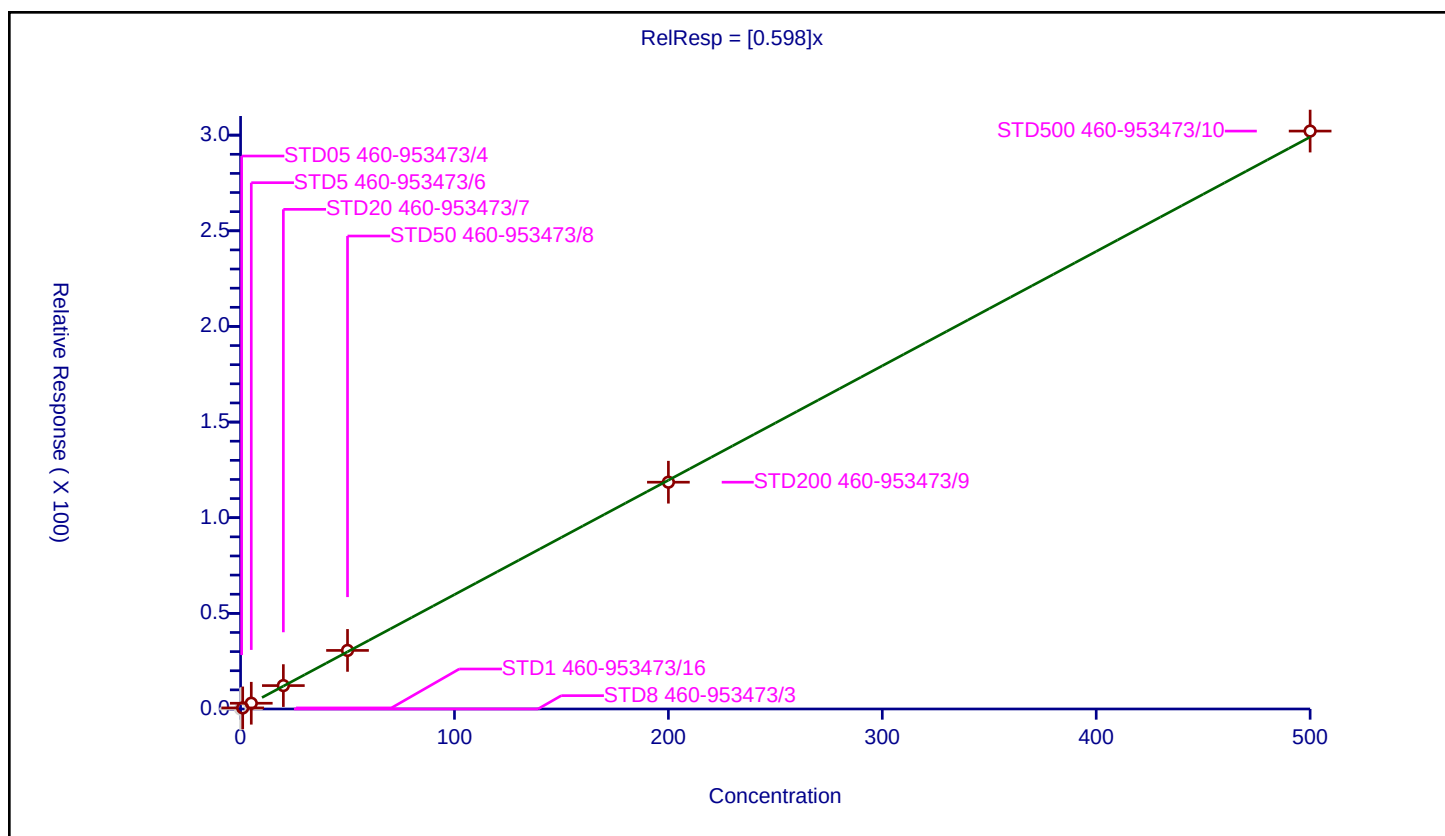
Curve Coefficients

Intercept: 0
Slope: 0.598

Error Coefficients

Standard Error: 1650000
Relative Standard Error: 2.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.300146	50.0	456611.0	0.600292	N
3	STD1 460-953473/16	1.0	0.567124	50.0	483404.0	0.567124	Y
4	STD5 460-953473/6	5.0	2.998737	50.0	452724.0	0.599747	Y
5	STD20 460-953473/7	20.0	12.237669	50.0	477926.0	0.611883	Y
6	STD50 460-953473/8	50.0	30.618452	50.0	501526.0	0.612369	Y
7	STD200 460-953473/9	200.0	118.562686	50.0	560789.0	0.592813	Y
8	STD500 460-953473/10	500.0	302.126826	50.0	568241.0	0.604254	Y



Calibration

/ m-Xylene & p-Xylene

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

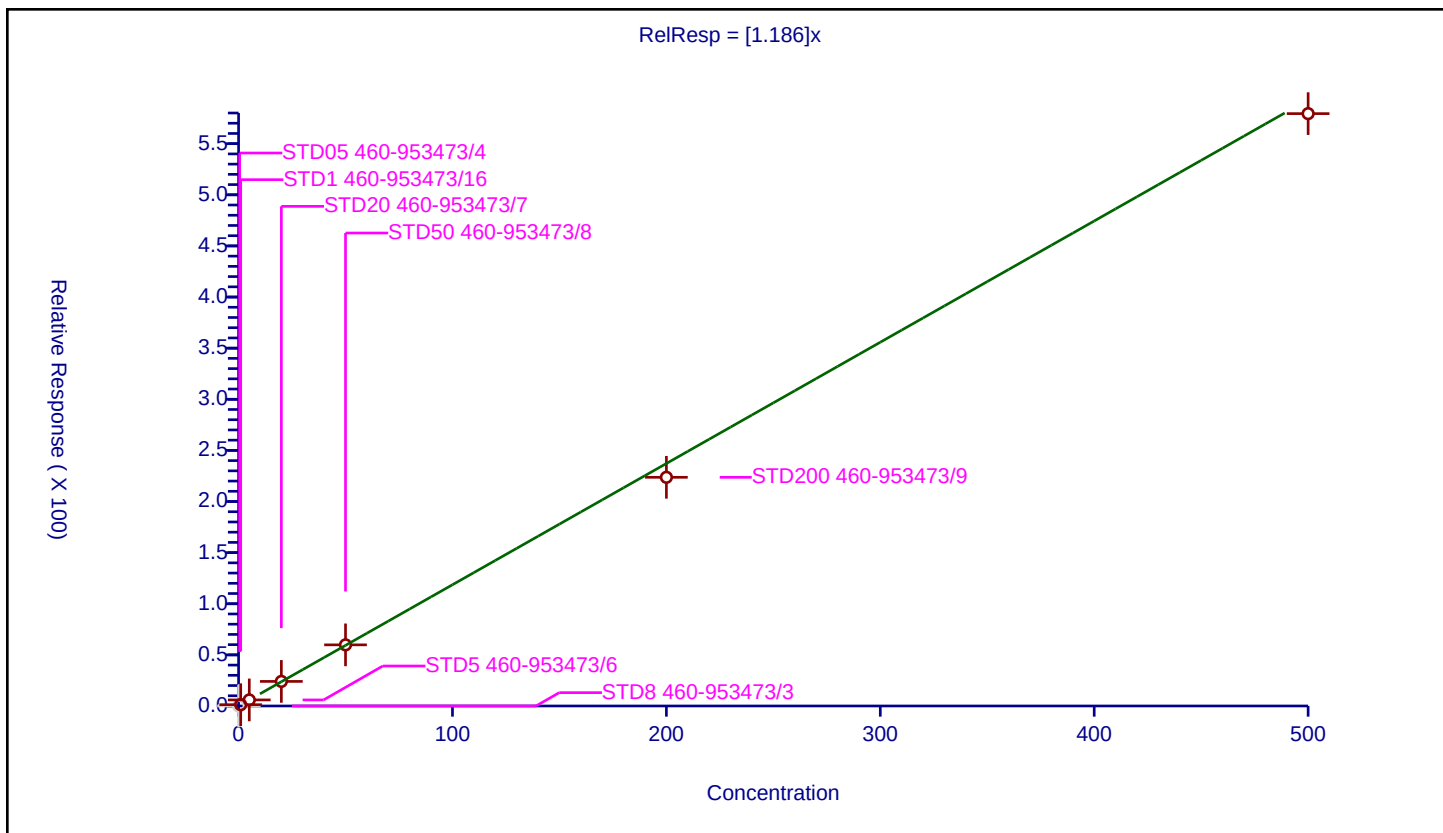
Curve Coefficients

Intercept: 0
Slope: 1.186

Error Coefficients

Standard Error: 3160000
Relative Standard Error: 3.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.668184	50.0	456611.0	1.336367	N
3	STD1 460-953473/16	1.0	1.256713	50.0	483404.0	1.256713	Y
4	STD5 460-953473/6	5.0	5.924691	50.0	452724.0	1.184938	Y
5	STD20 460-953473/7	20.0	24.02464	50.0	477926.0	1.201232	Y
6	STD50 460-953473/8	50.0	59.789622	50.0	501526.0	1.195792	Y
7	STD200 460-953473/9	200.0	223.681278	50.0	560789.0	1.118406	Y
8	STD500 460-953473/10	500.0	579.393778	50.0	568241.0	1.158788	Y



Calibration

/ o-Xylene

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

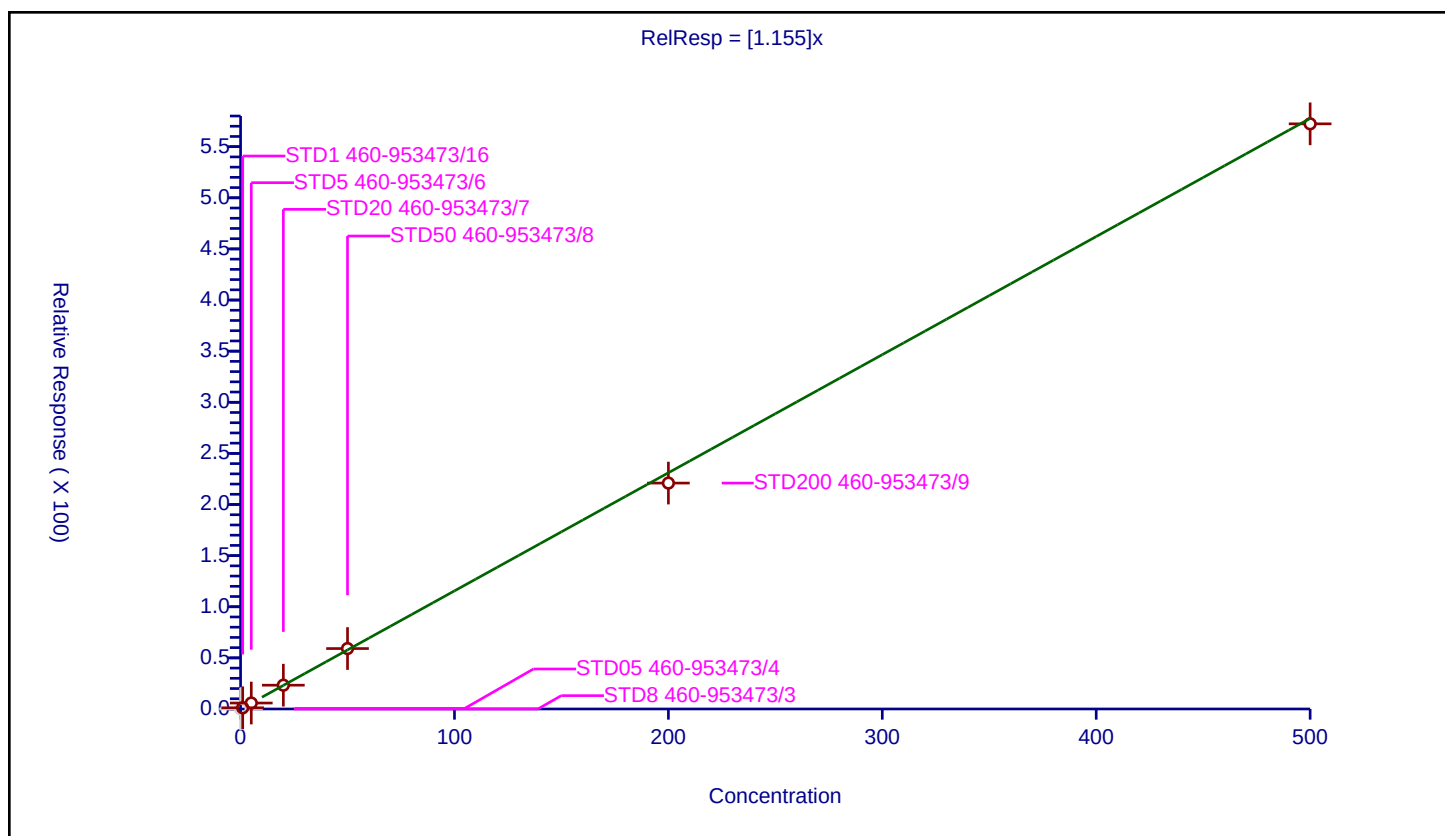
Curve Coefficients

Intercept: 0
Slope: 1.155

Error Coefficients

Standard Error: 3130000
Relative Standard Error: 2.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.548498	50.0	456611.0	1.096995	N
3	STD1 460-953473/16	1.0	1.169208	50.0	483404.0	1.169208	Y
4	STD5 460-953473/6	5.0	5.830926	50.0	452724.0	1.166185	Y
5	STD20 460-953473/7	20.0	23.28373	50.0	477926.0	1.164187	Y
6	STD50 460-953473/8	50.0	59.114682	50.0	501526.0	1.182294	Y
7	STD200 460-953473/9	200.0	220.958507	50.0	560789.0	1.104793	Y
8	STD500 460-953473/10	500.0	572.366918	50.0	568241.0	1.144734	Y



Calibration

/ n-Butyl acrylate

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

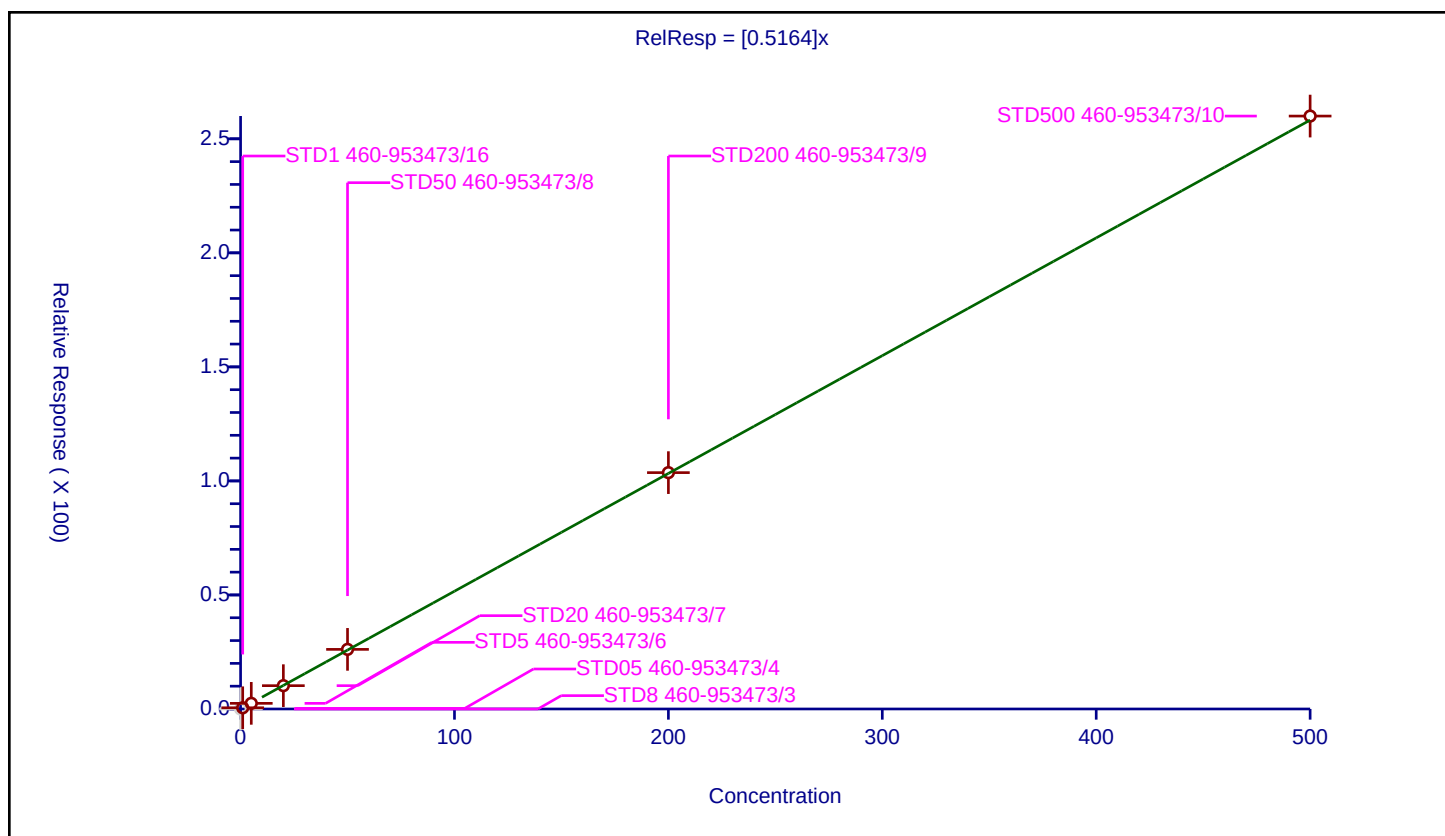
Curve Coefficients

Intercept: 0
 Slope: 0.5164

Error Coefficients

Standard Error: 1430000
 Relative Standard Error: 2.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.251089	50.0	456611.0	0.502178	N
3	STD1 460-953473/16	1.0	0.530922	50.0	483404.0	0.530922	Y
4	STD5 460-953473/6	5.0	2.477116	50.0	452724.0	0.495423	Y
5	STD20 460-953473/7	20.0	10.224177	50.0	477926.0	0.511209	Y
6	STD50 460-953473/8	50.0	26.137528	50.0	501526.0	0.522751	Y
7	STD200 460-953473/9	200.0	103.636573	50.0	560789.0	0.518183	Y
8	STD500 460-953473/10	500.0	259.98124	50.0	568241.0	0.519962	Y



Calibration

/ Styrene

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

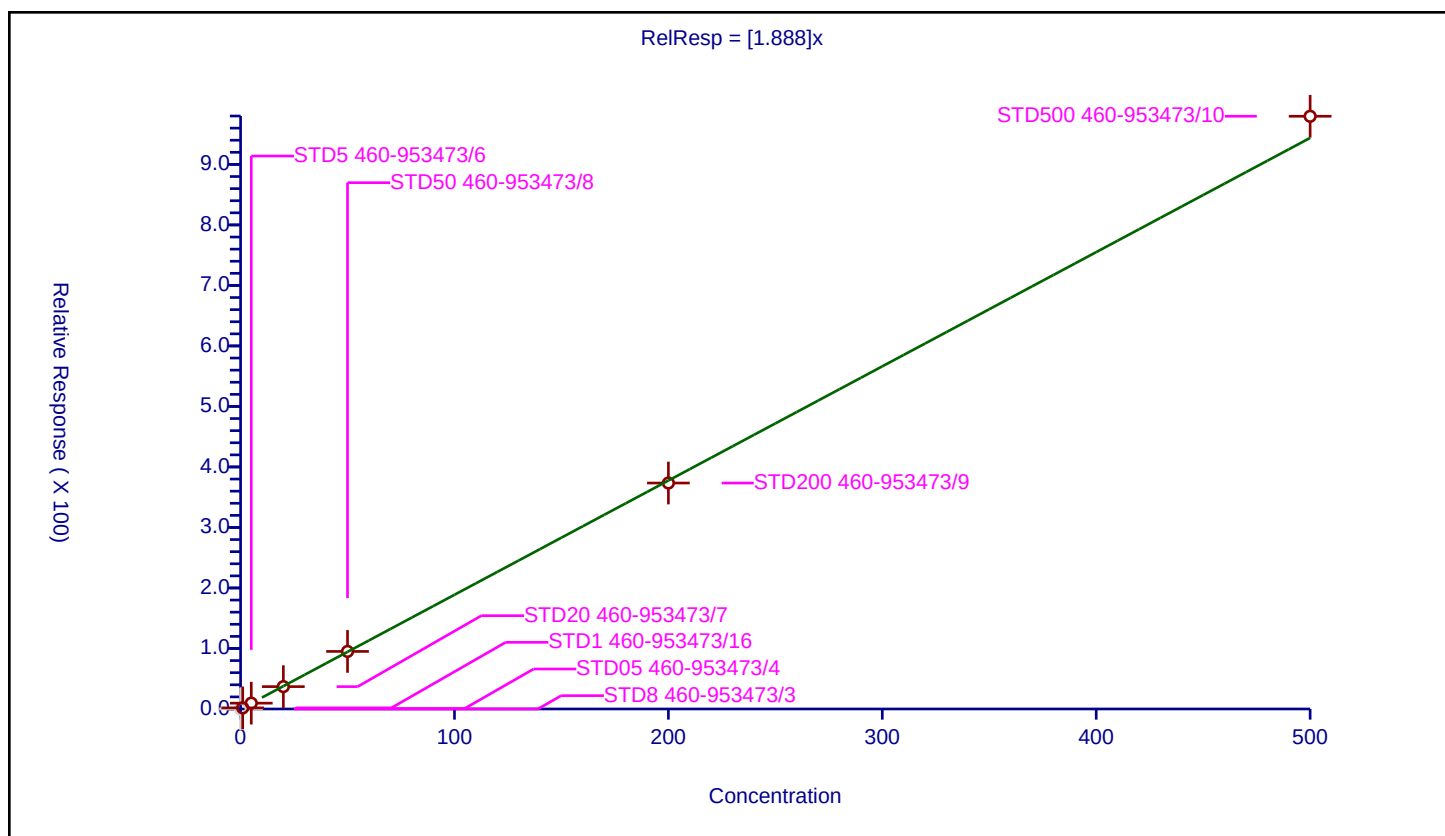
Curve Coefficients

Intercept: 0
Slope: 1.888

Error Coefficients

Standard Error: 5340000
Relative Standard Error: 2.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.776591	50.0	456611.0	1.553182	N
3	STD1 460-953473/16	1.0	1.822182	50.0	483404.0	1.822182	Y
4	STD5 460-953473/6	5.0	9.631365	50.0	452724.0	1.926273	Y
5	STD20 460-953473/7	20.0	36.969426	50.0	477926.0	1.848471	Y
6	STD50 460-953473/8	50.0	95.111619	50.0	501526.0	1.902232	Y
7	STD200 460-953473/9	200.0	373.447411	50.0	560789.0	1.867237	Y
8	STD500 460-953473/10	500.0	979.581023	50.0	568241.0	1.959162	Y



Calibration

/ Amyl acetate (mixed isomers)

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

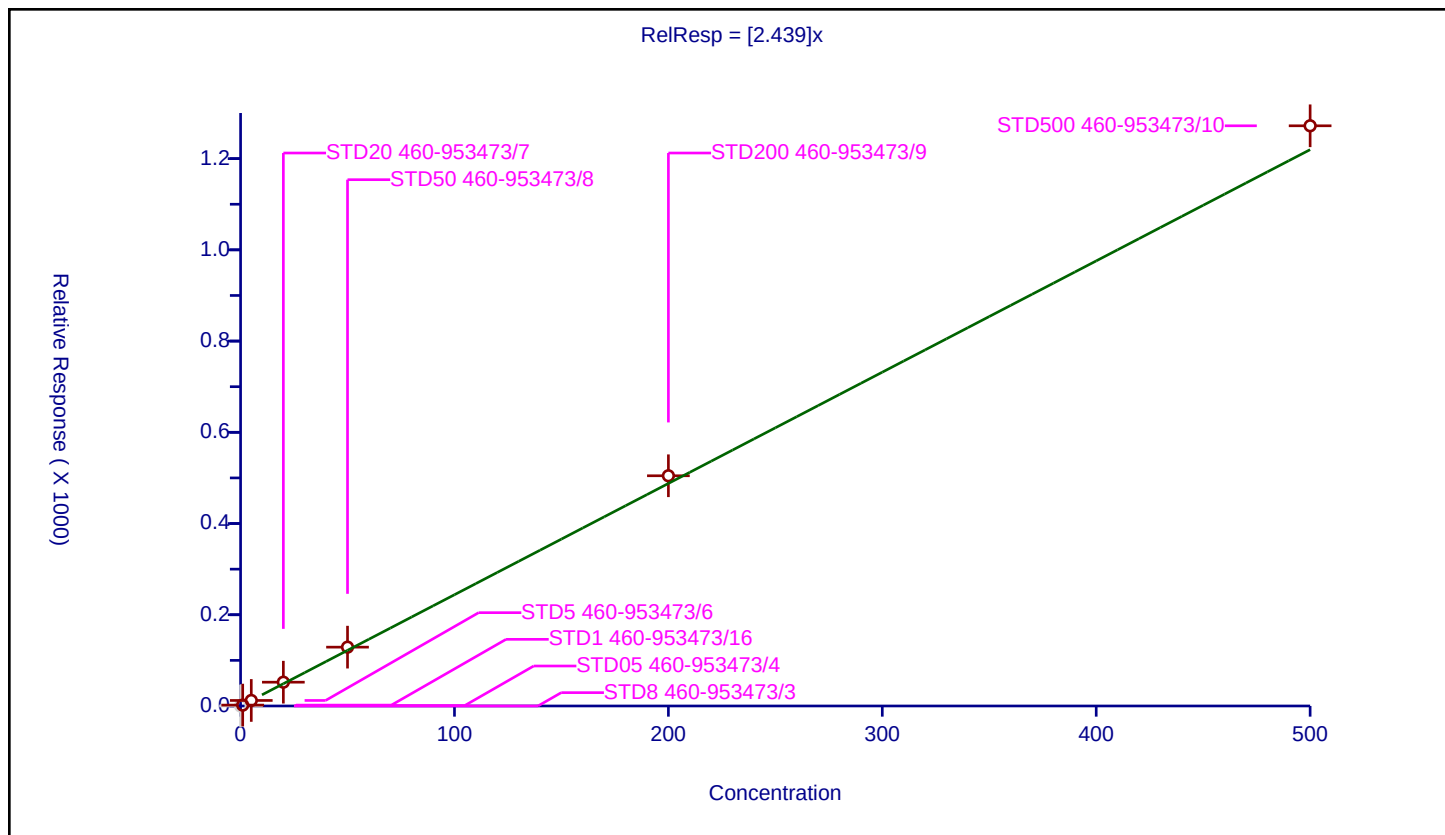
Curve Coefficients

Intercept: 0
 Slope: 2.439

Error Coefficients

Standard Error: 3310000
 Relative Standard Error: 10.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.897915	50.0	212381.0	1.795829	N
3	STD1 460-953473/16	1.0	1.953148	50.0	223767.0	1.953148	Y
4	STD5 460-953473/6	5.0	12.128767	50.0	211188.0	2.425753	Y
5	STD20 460-953473/7	20.0	52.196756	50.0	223170.0	2.609838	Y
6	STD50 460-953473/8	50.0	129.00271	50.0	238707.0	2.580054	Y
7	STD200 460-953473/9	200.0	504.722022	50.0	268762.0	2.52361	Y
8	STD500 460-953473/10	500.0	1271.989599	50.0	269773.0	2.543979	Y



Calibration

/ Bromoform

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

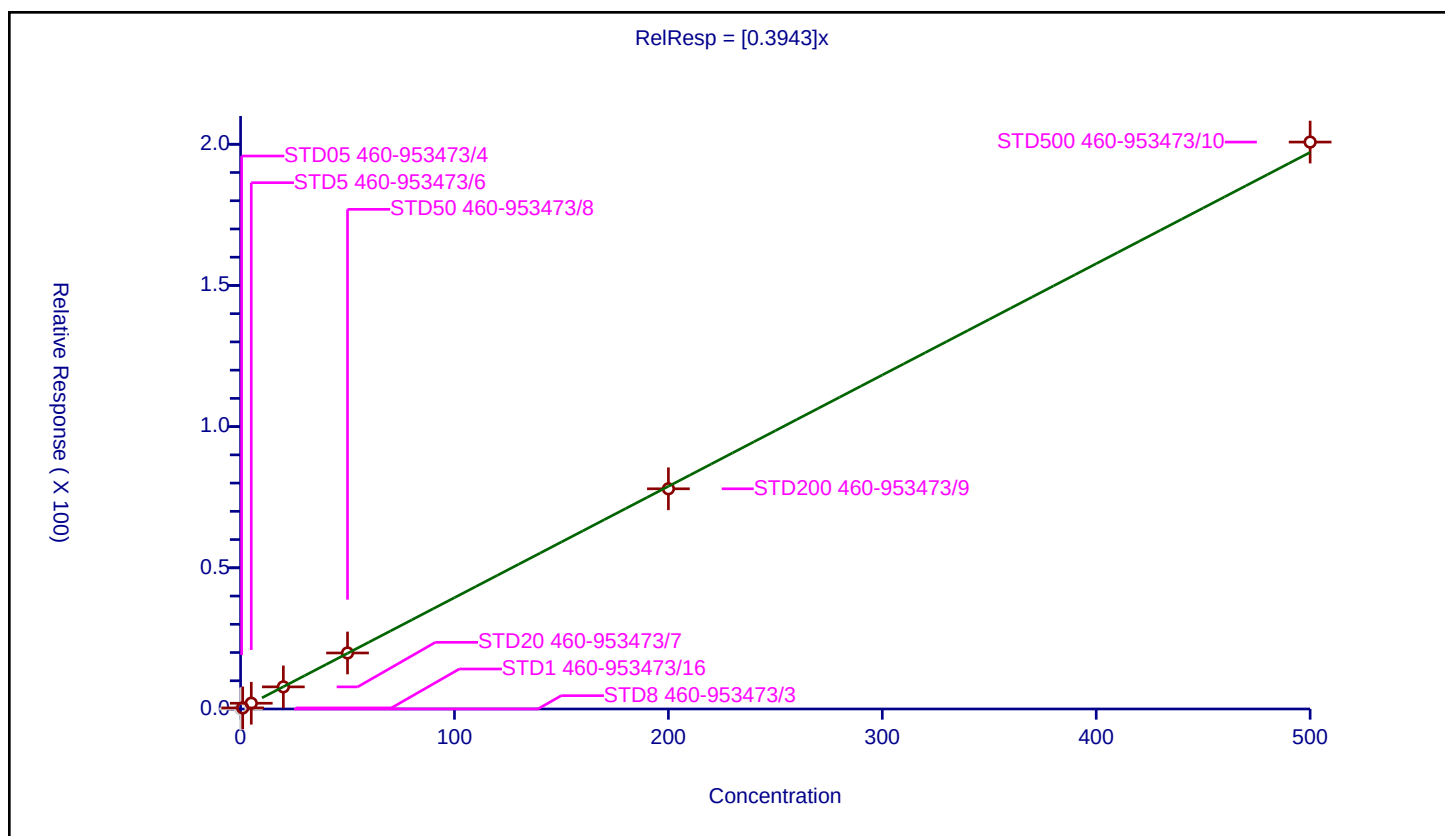
Curve Coefficients

Intercept: 0
Slope: 0.3943

Error Coefficients

Standard Error: 1100000
Relative Standard Error: 2.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	0.204988	50.0	456611.0	0.409977	N
3	STD1 460-953473/16	1.0	0.379393	50.0	483404.0	0.379393	Y
4	STD5 460-953473/6	5.0	2.032254	50.0	452724.0	0.406451	Y
5	STD20 460-953473/7	20.0	7.829559	50.0	477926.0	0.391478	Y
6	STD50 460-953473/8	50.0	19.839051	50.0	501526.0	0.396781	Y
7	STD200 460-953473/9	200.0	77.987532	50.0	560789.0	0.389938	Y
8	STD500 460-953473/10	500.0	200.771416	50.0	568241.0	0.401543	Y



Calibration

/ Isopropylbenzene

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

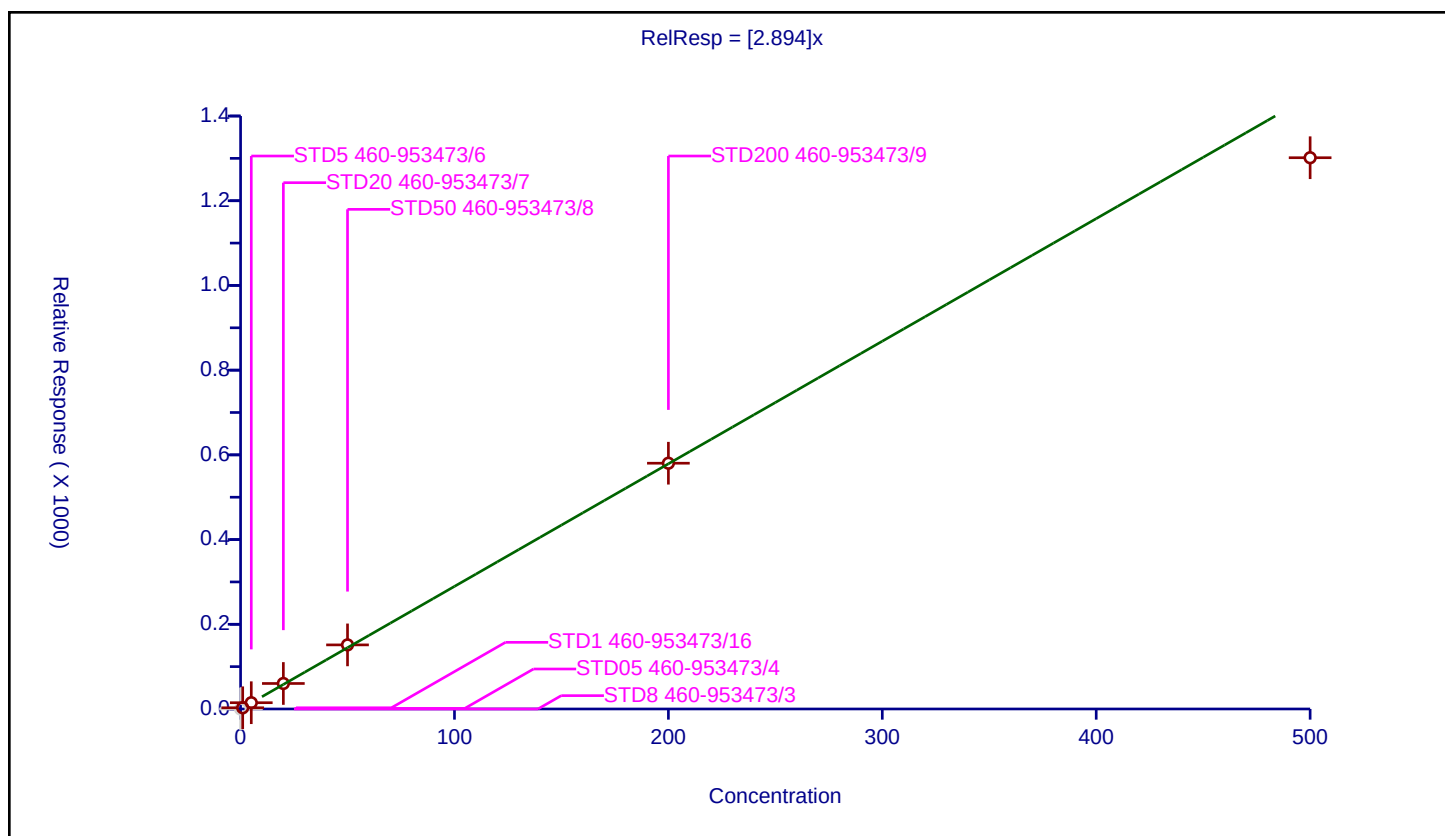
Curve Coefficients

Intercept: 0
Slope: 2.894

Error Coefficients

Standard Error: 7260000
Relative Standard Error: 5.4
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	470104.0	NaN	N
2	STD05 460-953473/4	0.5	1.277674	50.0	456611.0	2.555348	N
3	STD1 460-953473/16	1.0	2.857444	50.0	483404.0	2.857444	Y
4	STD5 460-953473/6	5.0	14.827688	50.0	452724.0	2.965538	Y
5	STD20 460-953473/7	20.0	60.240393	50.0	477926.0	3.01202	Y
6	STD50 460-953473/8	50.0	151.337319	50.0	501526.0	3.026746	Y
7	STD200 460-953473/9	200.0	580.252822	50.0	560789.0	2.901264	Y
8	STD500 460-953473/10	500.0	1301.524089	50.0	568241.0	2.603048	Y



Calibration

/ 4-Bromofluorobenzene

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

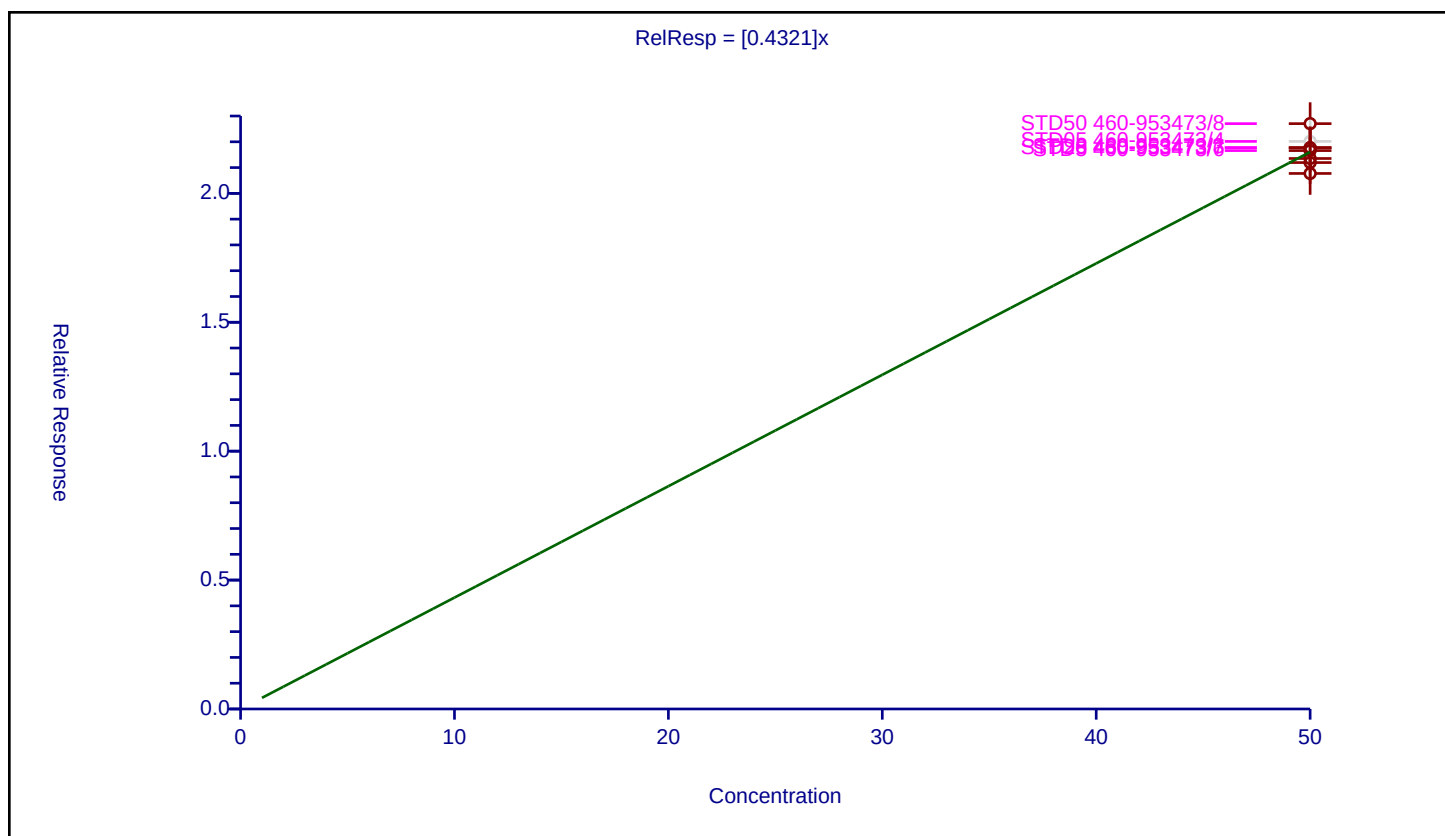
Curve Coefficients

Intercept: 0
Slope: 0.4321

Error Coefficients

Standard Error: 235000
Relative Standard Error: 2.8
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	50.0	21.773799	50.0	470104.0	0.435476	Y
2	STD05 460-953473/4	50.0	22.015129	50.0	456611.0	0.440303	N
3	STD5 460-953473/6	50.0	21.658671	50.0	452724.0	0.433173	Y
4	STD20 460-953473/7	50.0	21.767596	50.0	477926.0	0.435352	Y
5	STD50 460-953473/8	50.0	22.704107	50.0	501526.0	0.454082	Y
6	STD200 460-953473/9	50.0	20.772519	50.0	560789.0	0.41545	Y
7	STD500 460-953473/10	50.0	21.351944	50.0	568241.0	0.427039	Y
8	STD1 460-953473/16	50.0	21.194281	50.0	483404.0	0.423886	Y



Calibration

/ Bromobenzene

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

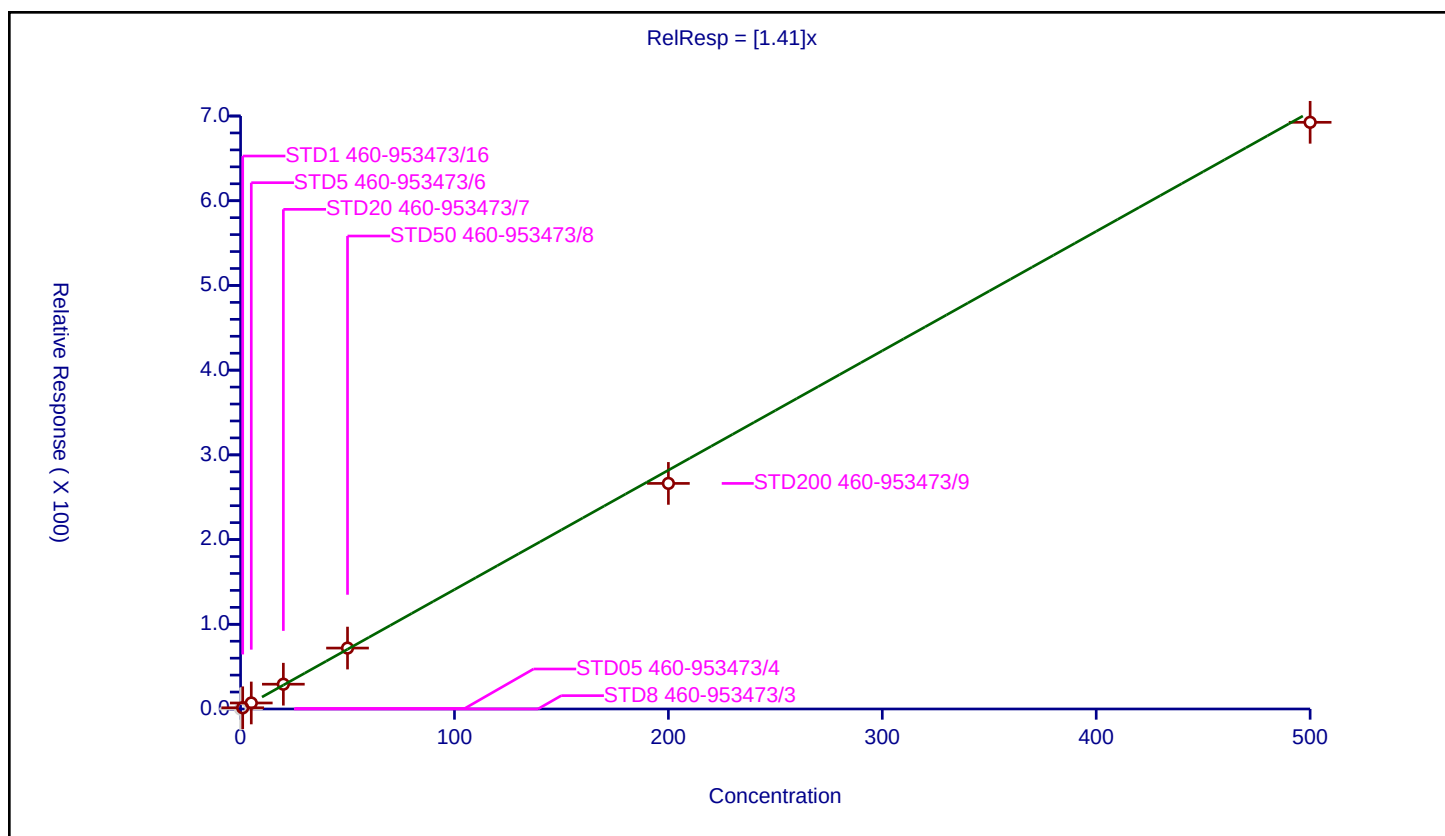
Curve Coefficients

Intercept: 0
 Slope: 1.41

Error Coefficients

Standard Error: 1800000
 Relative Standard Error: 3.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.611637	50.0	212381.0	1.223273	N
3	STD1 460-953473/16	1.0	1.41844	50.0	223767.0	1.41844	Y
4	STD5 460-953473/6	5.0	7.106464	50.0	211188.0	1.421293	Y
5	STD20 460-953473/7	20.0	29.259309	50.0	223170.0	1.462965	Y
6	STD50 460-953473/8	50.0	71.914104	50.0	238707.0	1.438282	Y
7	STD200 460-953473/9	200.0	266.289319	50.0	268762.0	1.331447	Y
8	STD500 460-953473/10	500.0	692.565787	50.0	269773.0	1.385132	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

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

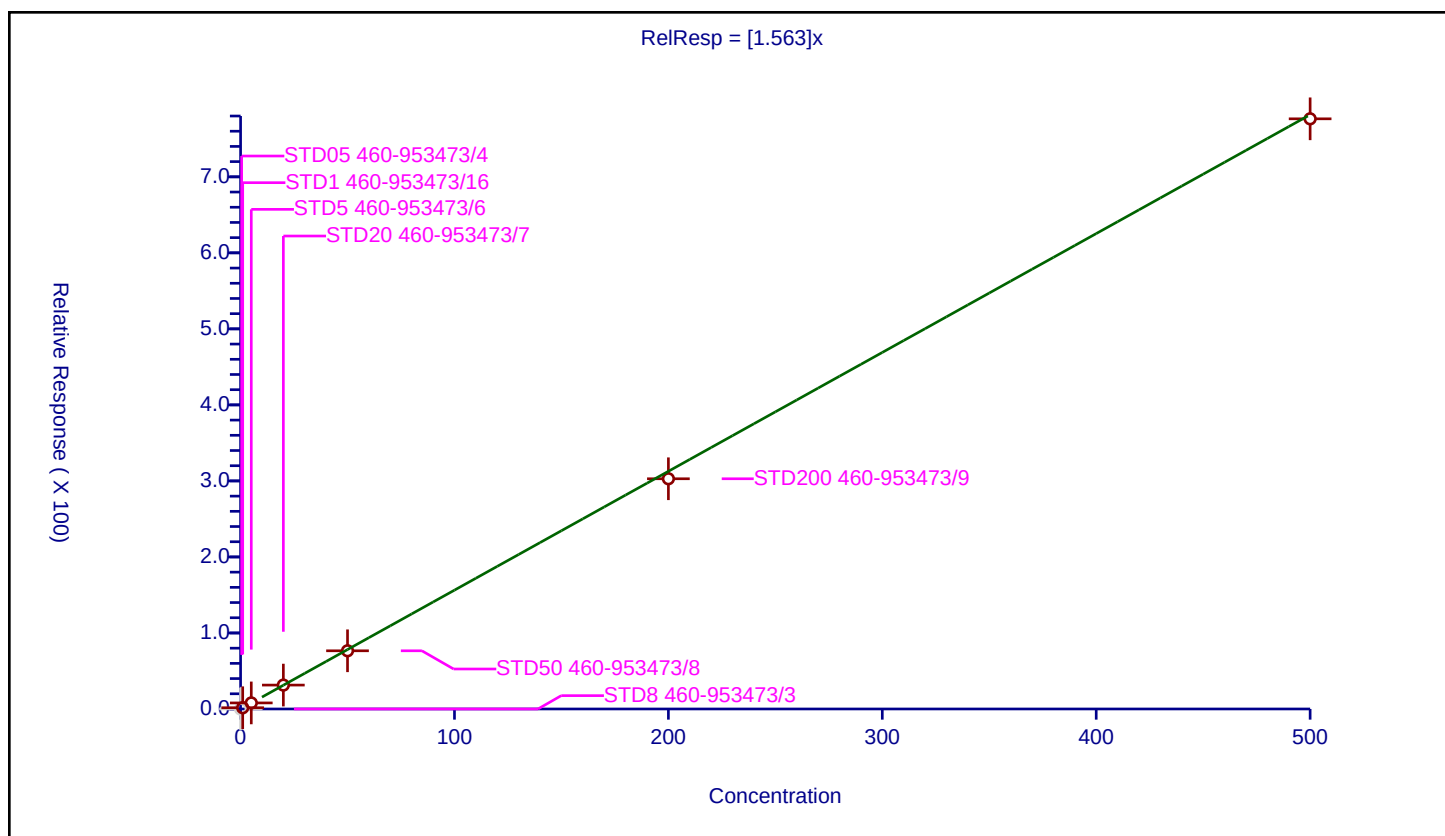
Curve Coefficients

Intercept: 0
Slope: 1.563

Error Coefficients

Standard Error: 2020000
Relative Standard Error: 2.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.983374	50.0	212381.0	1.966748	N
3	STD1 460-953473/16	1.0	1.614179	50.0	223767.0	1.614179	Y
4	STD5 460-953473/6	5.0	7.979147	50.0	211188.0	1.595829	Y
5	STD20 460-953473/7	20.0	31.443742	50.0	223170.0	1.572187	Y
6	STD50 460-953473/8	50.0	76.548027	50.0	238707.0	1.530961	Y
7	STD200 460-953473/9	200.0	302.84378	50.0	268762.0	1.514219	Y
8	STD500 460-953473/10	500.0	776.329729	50.0	269773.0	1.552659	Y



Calibration

/ N-Propylbenzene

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

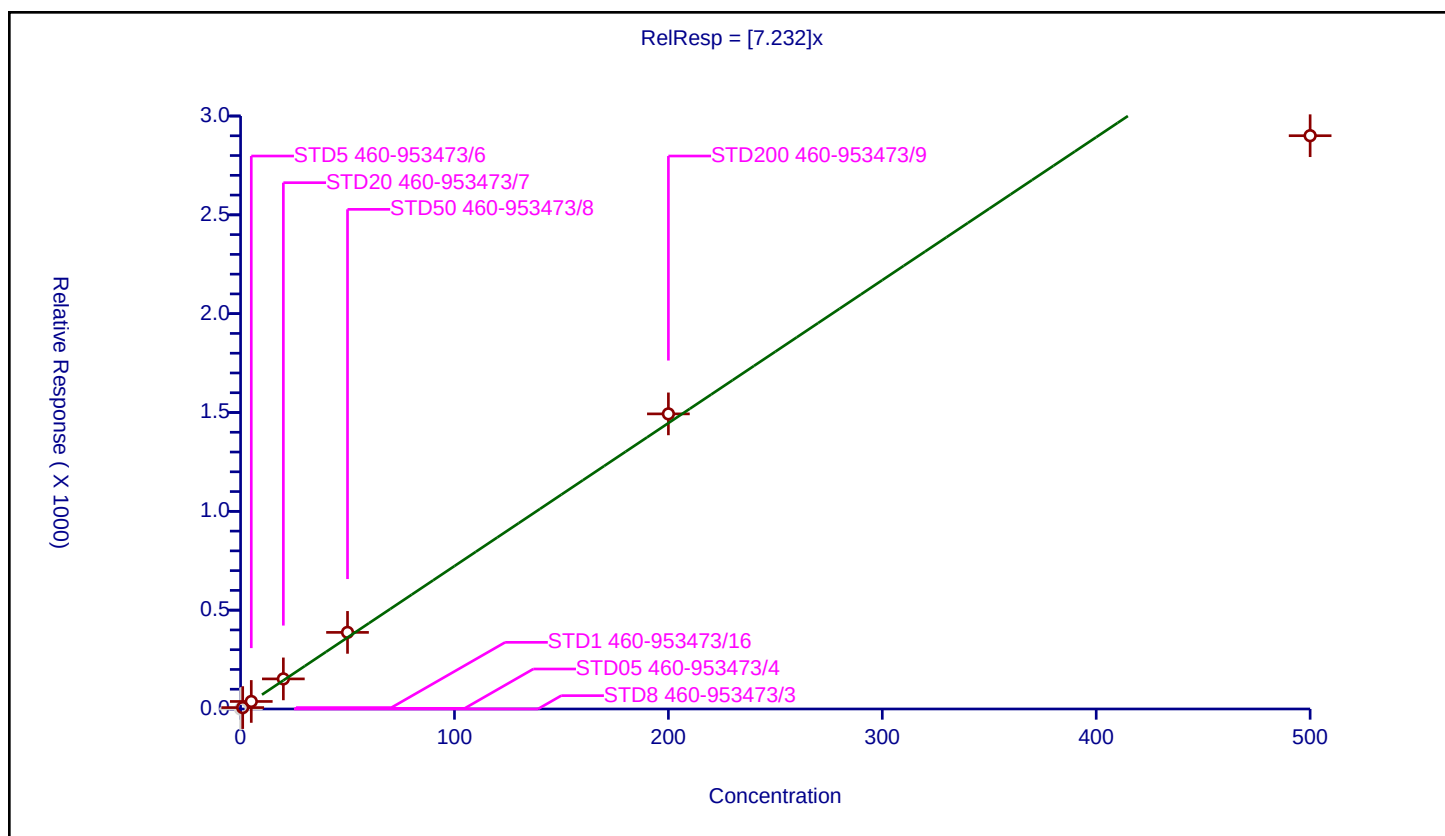
Curve Coefficients

Intercept: 0
Slope: 7.232

Error Coefficients

Standard Error: 7910000
Relative Standard Error: 10.1
Correlation Coefficient: 0.988
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	3.28843	50.0	212381.0	6.57686	N
3	STD1 460-953473/16	1.0	7.147837	50.0	223767.0	7.147837	Y
4	STD5 460-953473/6	5.0	38.09402	50.0	211188.0	7.618804	Y
5	STD20 460-953473/7	20.0	152.196308	50.0	223170.0	7.609815	Y
6	STD50 460-953473/8	50.0	387.555664	50.0	238707.0	7.751113	Y
7	STD200 460-953473/9	200.0	1493.014637	50.0	268762.0	7.465073	Y
8	STD500 460-953473/10	500.0	2900.451491	50.0	269773.0	5.800903	Y



Calibration

/ 1,2,3-Trichloropropane

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

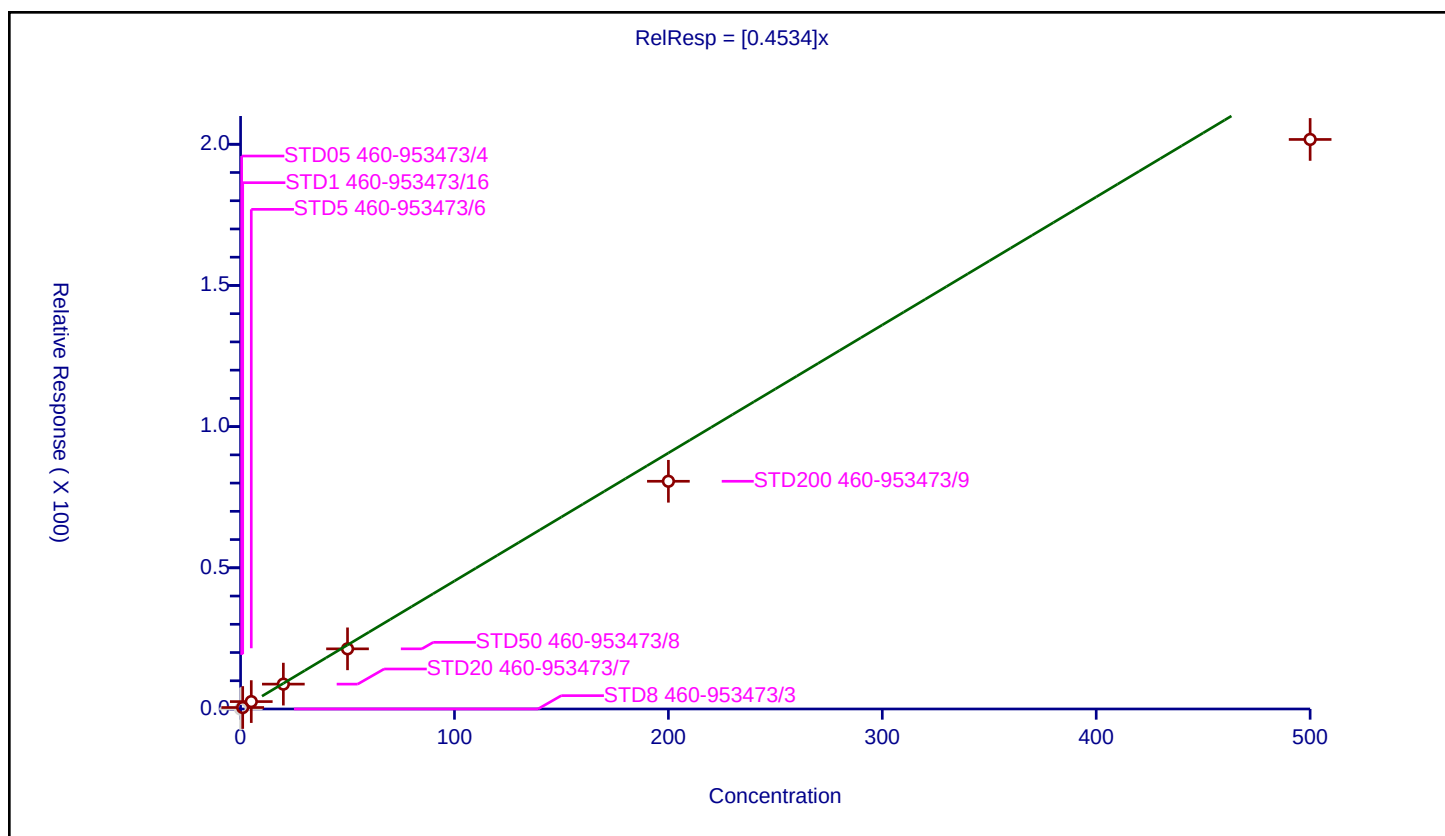
Curve Coefficients

Intercept: 0
Slope: 0.4534

Error Coefficients

Standard Error: 526000
Relative Standard Error: 12.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.27074	50.0	212381.0	0.54148	N
3	STD1 460-953473/16	1.0	0.523089	50.0	223767.0	0.523089	Y
4	STD5 460-953473/6	5.0	2.620414	50.0	211188.0	0.524083	Y
5	STD20 460-953473/7	20.0	8.804723	50.0	223170.0	0.440236	Y
6	STD50 460-953473/8	50.0	21.303732	50.0	238707.0	0.426075	Y
7	STD200 460-953473/9	200.0	80.643469	50.0	268762.0	0.403217	Y
8	STD500 460-953473/10	500.0	201.701616	50.0	269773.0	0.403403	Y



Calibration

/ 2-Chlorotoluene

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

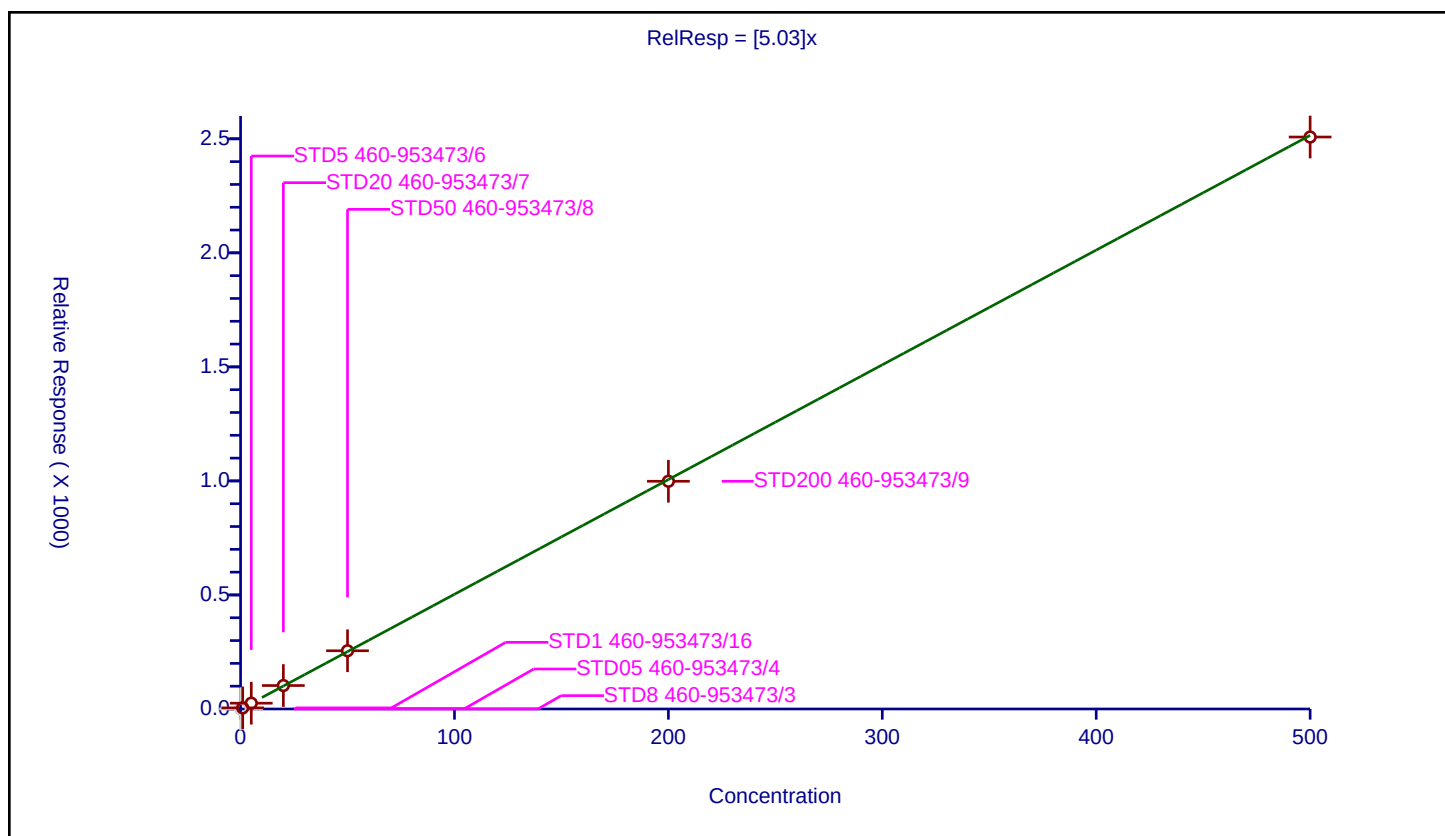
Curve Coefficients

Intercept: 0
Slope: 5.03

Error Coefficients

Standard Error: 6530000
Relative Standard Error: 2.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.814192	50.0	212381.0	3.628385	N
3	STD1 460-953473/16	1.0	4.851698	50.0	223767.0	4.851698	Y
4	STD5 460-953473/6	5.0	25.376205	50.0	211188.0	5.075241	Y
5	STD20 460-953473/7	20.0	102.80414	50.0	223170.0	5.140207	Y
6	STD50 460-953473/8	50.0	255.305668	50.0	238707.0	5.106113	Y
7	STD200 460-953473/9	200.0	998.500346	50.0	268762.0	4.992502	Y
8	STD500 460-953473/10	500.0	2507.832511	50.0	269773.0	5.015665	Y



Calibration

/ 1,3,5-Trimethylbenzene

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

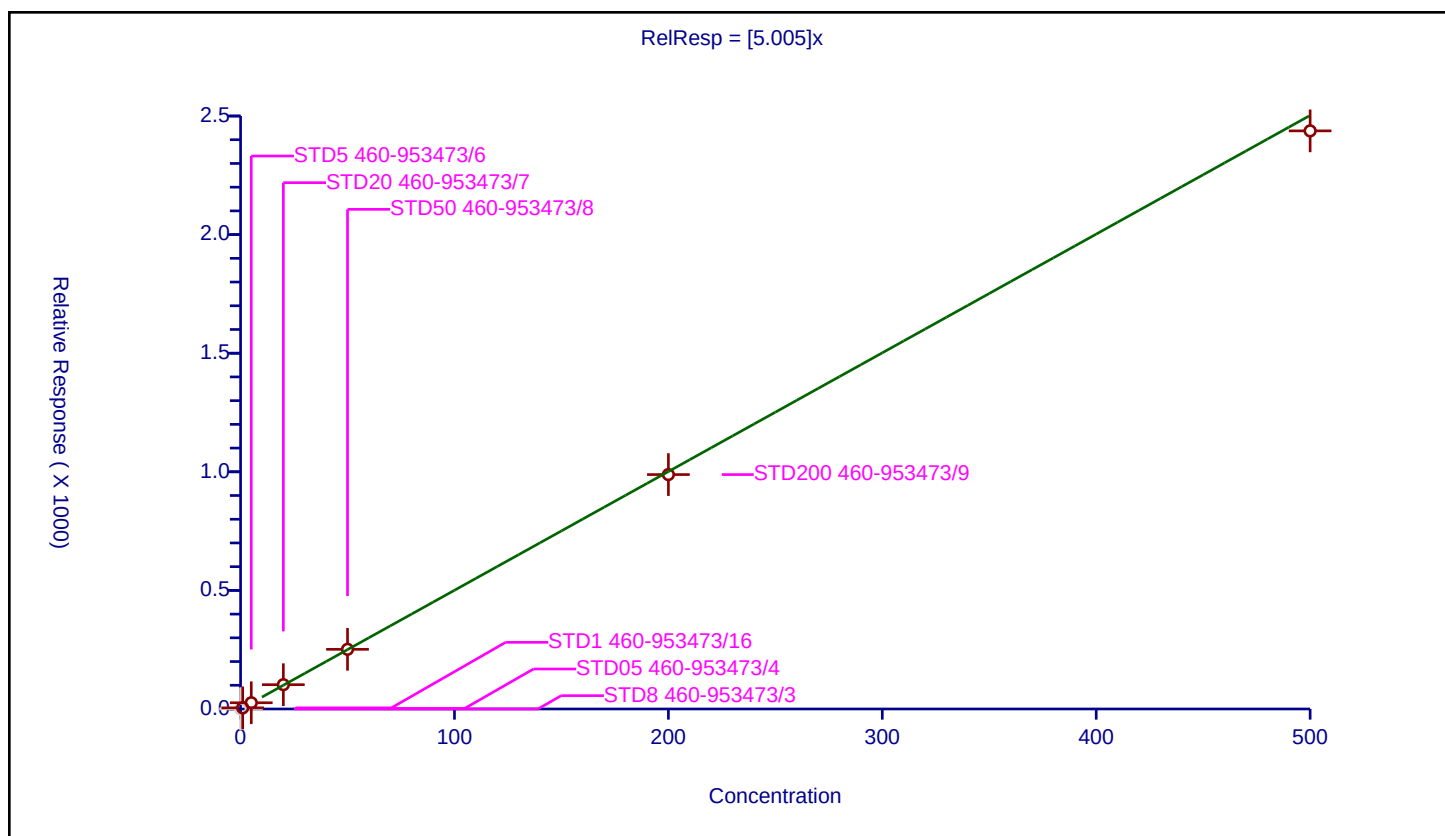
Curve Coefficients

Intercept: 0
Slope: 5.005

Error Coefficients

Standard Error: 6370000
Relative Standard Error: 3.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	2.264327	50.0	212381.0	4.528654	N
3	STD1 460-953473/16	1.0	4.802987	50.0	223767.0	4.802987	Y
4	STD5 460-953473/6	5.0	26.278955	50.0	211188.0	5.255791	Y
5	STD20 460-953473/7	20.0	102.521844	50.0	223170.0	5.126092	Y
6	STD50 460-953473/8	50.0	251.533679	50.0	238707.0	5.030674	Y
7	STD200 460-953473/9	200.0	988.24499	50.0	268762.0	4.941225	Y
8	STD500 460-953473/10	500.0	2437.329347	50.0	269773.0	4.874659	Y



Calibration

/ 4-Chlorotoluene

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

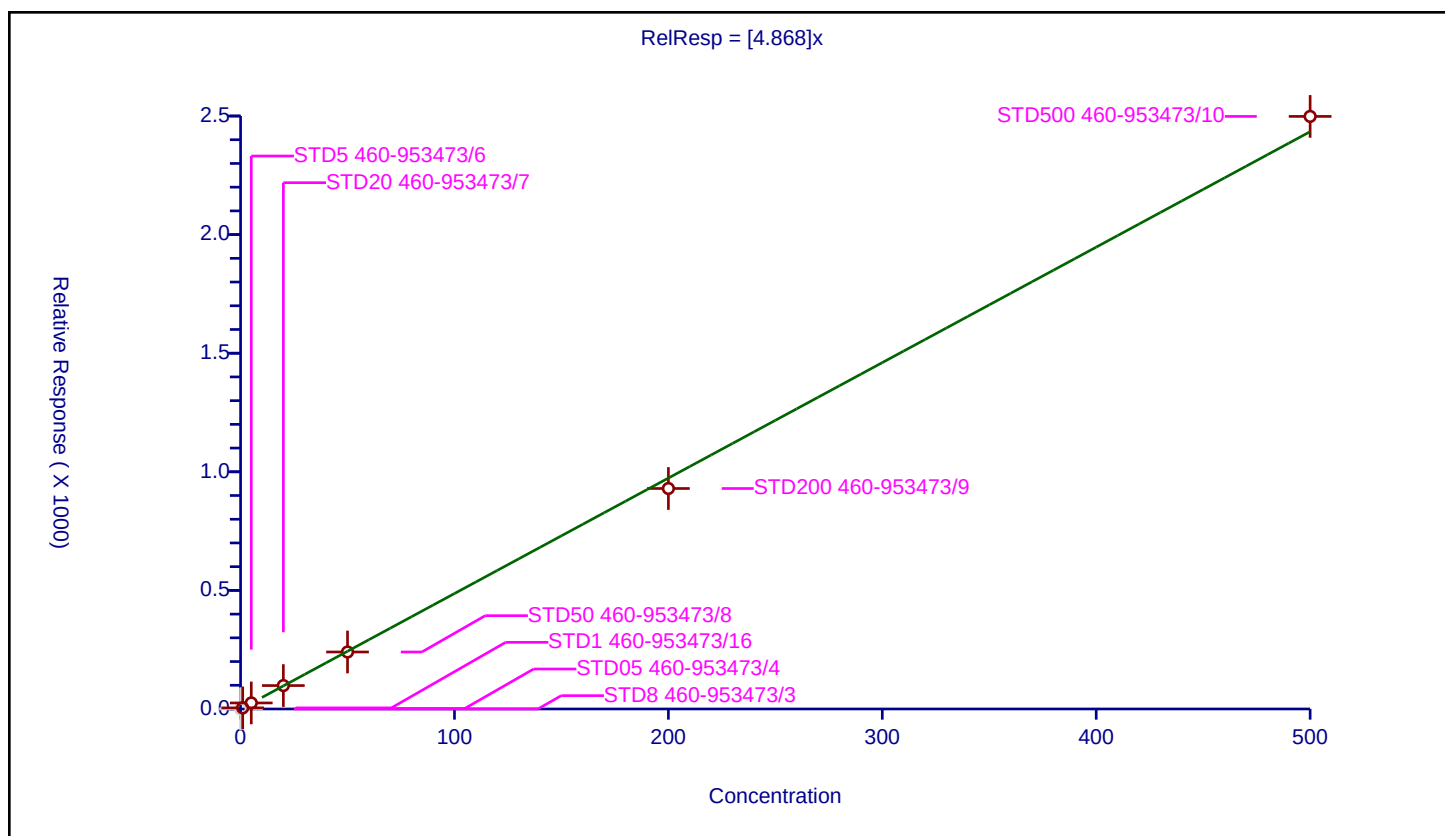
Curve Coefficients

Intercept: 0
Slope: 4.868

Error Coefficients

Standard Error: 6450000
Relative Standard Error: 3.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.820549	50.0	212381.0	3.641098	N
3	STD1 460-953473/16	1.0	4.718971	50.0	223767.0	4.718971	Y
4	STD5 460-953473/6	5.0	25.507368	50.0	211188.0	5.101474	Y
5	STD20 460-953473/7	20.0	98.741766	50.0	223170.0	4.937088	Y
6	STD50 460-953473/8	50.0	240.265891	50.0	238707.0	4.805318	Y
7	STD200 460-953473/9	200.0	929.65542	50.0	268762.0	4.648277	Y
8	STD500 460-953473/10	500.0	2498.313582	50.0	269773.0	4.996627	Y



Calibration

/ Butyl Methacrylate

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

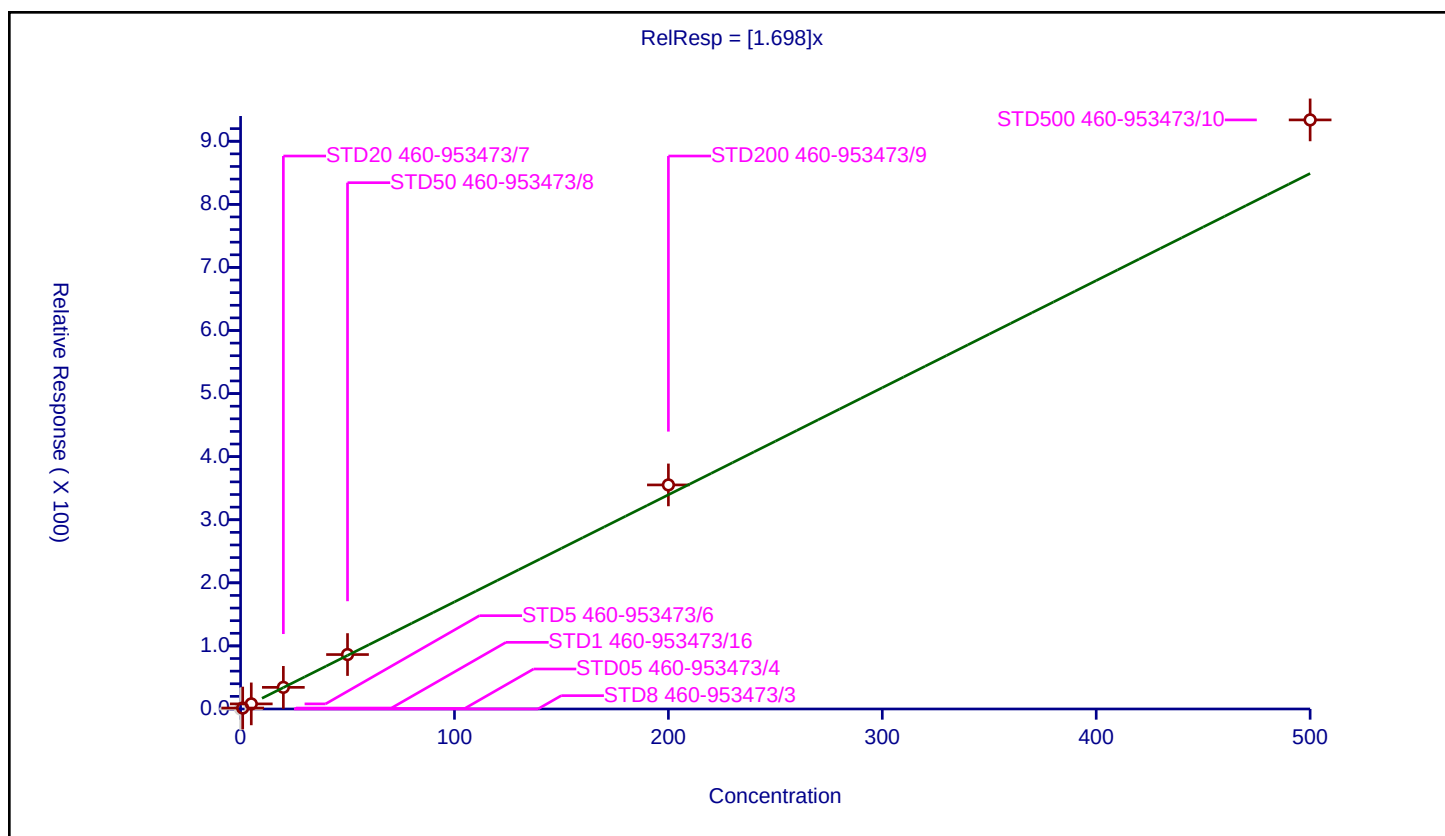
Curve Coefficients

Intercept: 0
 Slope: 1.698

Error Coefficients

Standard Error: 2420000
 Relative Standard Error: 7.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.760661	50.0	212381.0	1.521323	N
3	STD1 460-953473/16	1.0	1.482345	50.0	223767.0	1.482345	Y
4	STD5 460-953473/6	5.0	8.101076	50.0	211188.0	1.620215	Y
5	STD20 460-953473/7	20.0	34.28597	50.0	223170.0	1.714299	Y
6	STD50 460-953473/8	50.0	86.318164	50.0	238707.0	1.726363	Y
7	STD200 460-953473/9	200.0	355.192698	50.0	268762.0	1.775963	Y
8	STD500 460-953473/10	500.0	933.816023	50.0	269773.0	1.867632	Y



Calibration

/ tert-Butylbenzene

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

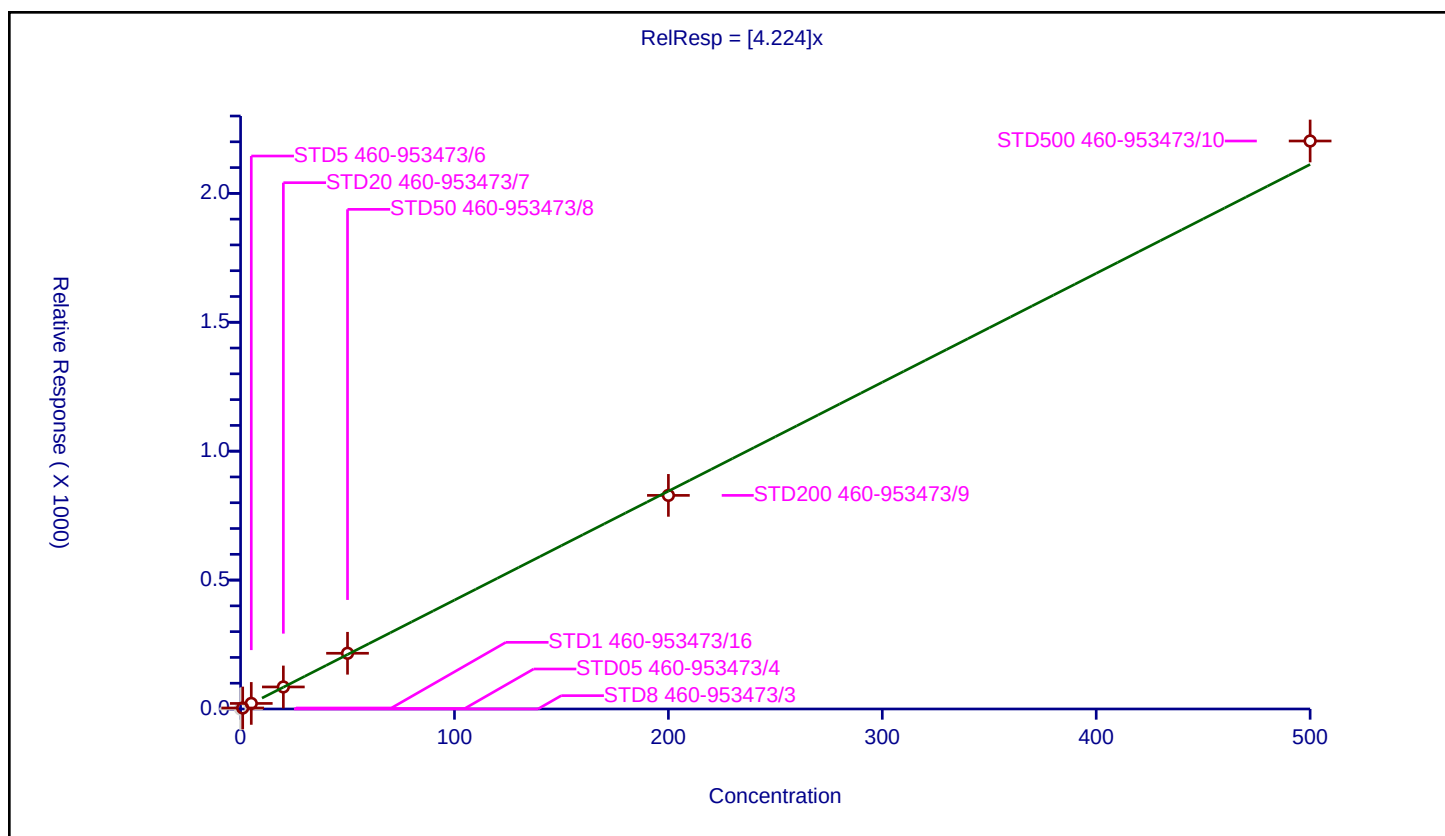
Curve Coefficients

Intercept: 0
Slope: 4.224

Error Coefficients

Standard Error: 5700000
Relative Standard Error: 4.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.739562	50.0	212381.0	3.479125	N
3	STD1 460-953473/16	1.0	3.88194	50.0	223767.0	3.88194	Y
4	STD5 460-953473/6	5.0	21.600896	50.0	211188.0	4.320179	Y
5	STD20 460-953473/7	20.0	85.457499	50.0	223170.0	4.272875	Y
6	STD50 460-953473/8	50.0	216.104052	50.0	238707.0	4.322081	Y
7	STD200 460-953473/9	200.0	828.520029	50.0	268762.0	4.1426	Y
8	STD500 460-953473/10	500.0	2203.035515	50.0	269773.0	4.406071	Y



Calibration

/ 1,2,4-Trimethylbenzene

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

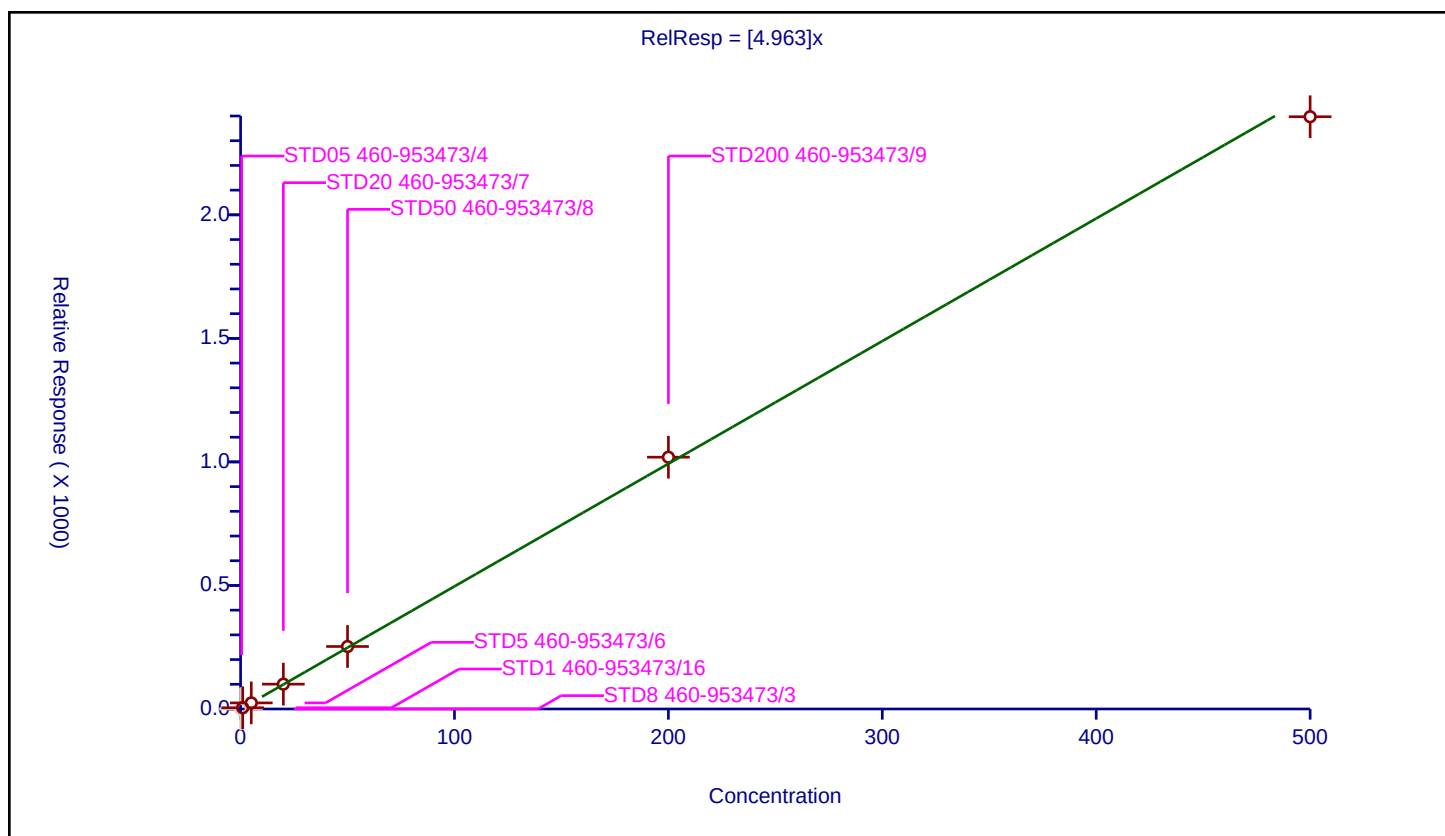
Curve Coefficients

Intercept: 0
Slope: 4.963

Error Coefficients

Standard Error: 6310000
Relative Standard Error: 2.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	2.581916	50.0	212381.0	5.163833	N
3	STD1 460-953473/16	1.0	4.876724	50.0	223767.0	4.876724	Y
4	STD5 460-953473/6	5.0	24.644629	50.0	211188.0	4.928926	Y
5	STD20 460-953473/7	20.0	100.507237	50.0	223170.0	5.025362	Y
6	STD50 460-953473/8	50.0	252.891201	50.0	238707.0	5.057824	Y
7	STD200 460-953473/9	200.0	1019.142215	50.0	268762.0	5.095711	Y
8	STD500 460-953473/10	500.0	2397.039919	50.0	269773.0	4.79408	Y



Calibration

/ sec-Butylbenzene

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

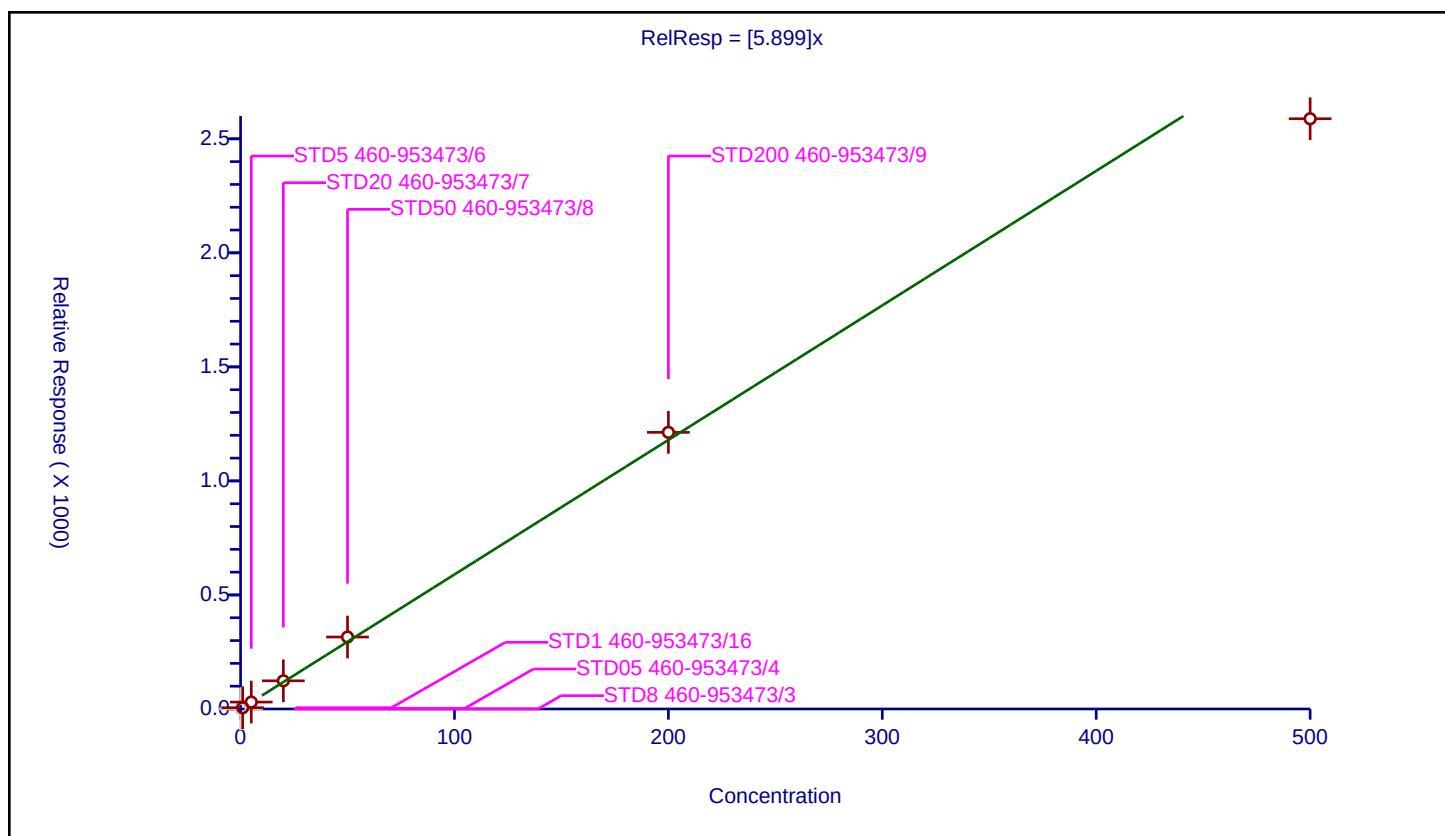
Curve Coefficients

Intercept: 0
Slope: 5.899

Error Coefficients

Standard Error: 6930000
Relative Standard Error: 7.2
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	2.505638	50.0	212381.0	5.011277	N
3	STD1 460-953473/16	1.0	5.599575	50.0	223767.0	5.599575	Y
4	STD5 460-953473/6	5.0	30.336714	50.0	211188.0	6.067343	Y
5	STD20 460-953473/7	20.0	123.47941	50.0	223170.0	6.173971	Y
6	STD50 460-953473/8	50.0	315.537668	50.0	238707.0	6.310753	Y
7	STD200 460-953473/9	200.0	1212.878309	50.0	268762.0	6.064392	Y
8	STD500 460-953473/10	500.0	2588.028083	50.0	269773.0	5.176056	Y



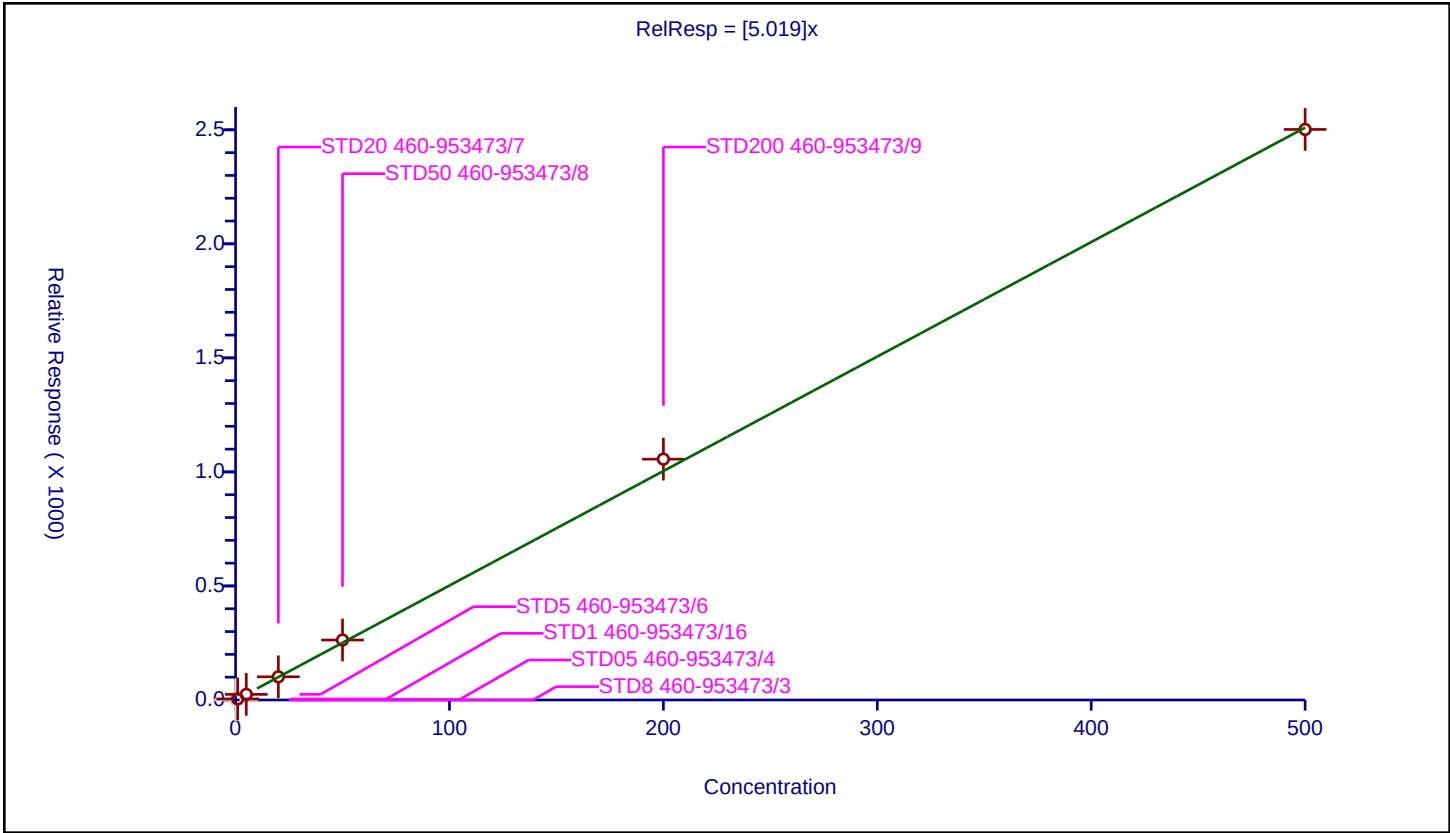
Calibration

/ 4-Isopropyltoluene

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

Curve Coefficients	
Intercept:	0
Slope:	5.019
Error Coefficients	
Standard Error:	6570000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	2.152264	50.0	212381.0	4.304528	N
3	STD1 460-953473/16	1.0	4.566134	50.0	223767.0	4.566134	Y
4	STD5 460-953473/6	5.0	24.638711	50.0	211188.0	4.927742	Y
5	STD20 460-953473/7	20.0	101.615136	50.0	223170.0	5.080757	Y
6	STD50 460-953473/8	50.0	262.900753	50.0	238707.0	5.258015	Y
7	STD200 460-953473/9	200.0	1056.033591	50.0	268762.0	5.280168	Y
8	STD500 460-953473/10	500.0	2501.633225	50.0	269773.0	5.003266	Y



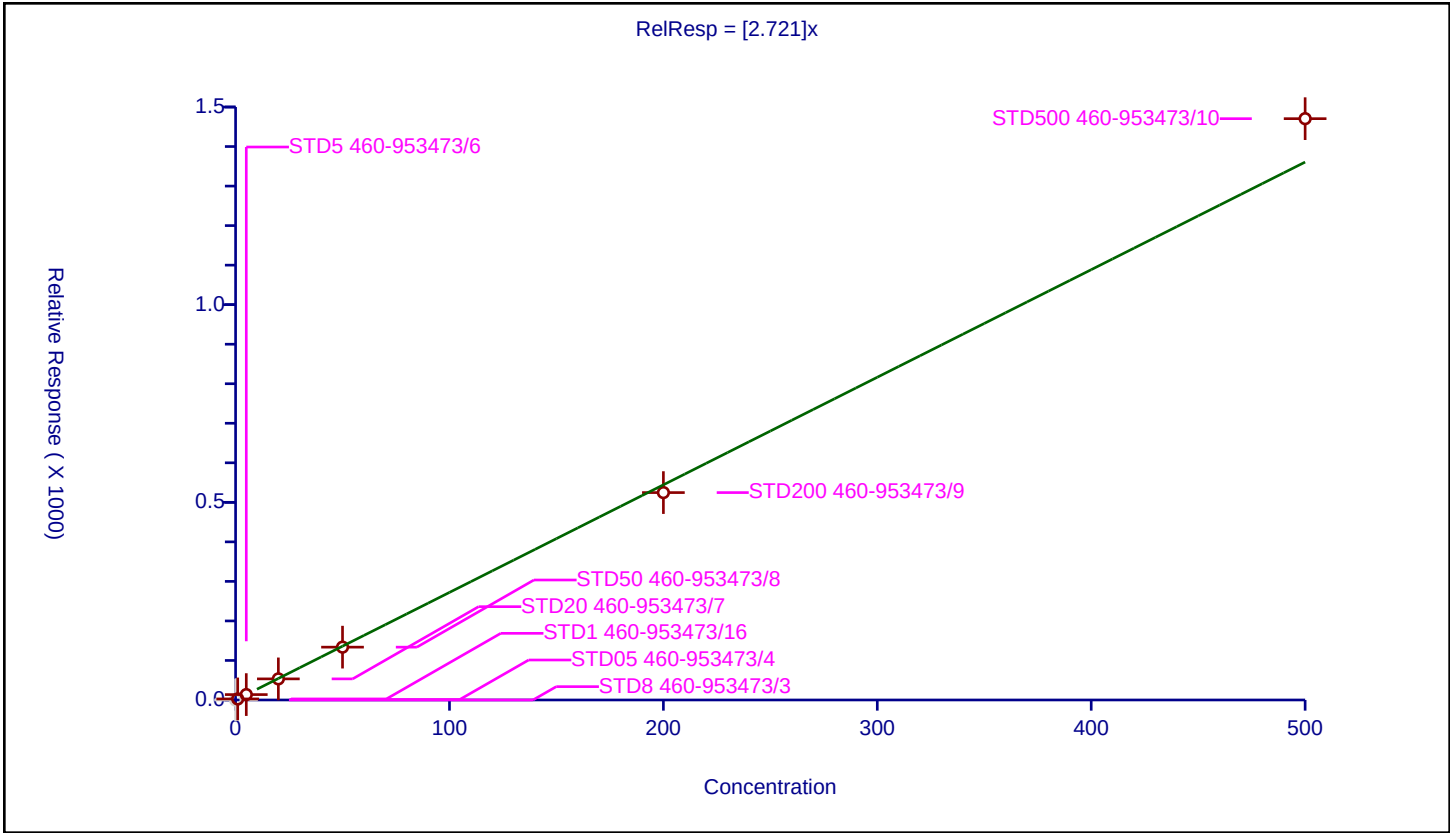
Calibration

/ 1,3-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.721
Error Coefficients	
Standard Error:	3780000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.140168	50.0	212381.0	2.280336	N
3	STD1 460-953473/16	1.0	2.687394	50.0	223767.0	2.687394	Y
4	STD5 460-953473/6	5.0	13.669574	50.0	211188.0	2.733915	Y
5	STD20 460-953473/7	20.0	53.383071	50.0	223170.0	2.669154	Y
6	STD50 460-953473/8	50.0	133.668263	50.0	238707.0	2.673365	Y
7	STD200 460-953473/9	200.0	524.64876	50.0	268762.0	2.623244	Y
8	STD500 460-953473/10	500.0	1470.541344	50.0	269773.0	2.941083	Y



Calibration

/ 1,4-Dichlorobenzene

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

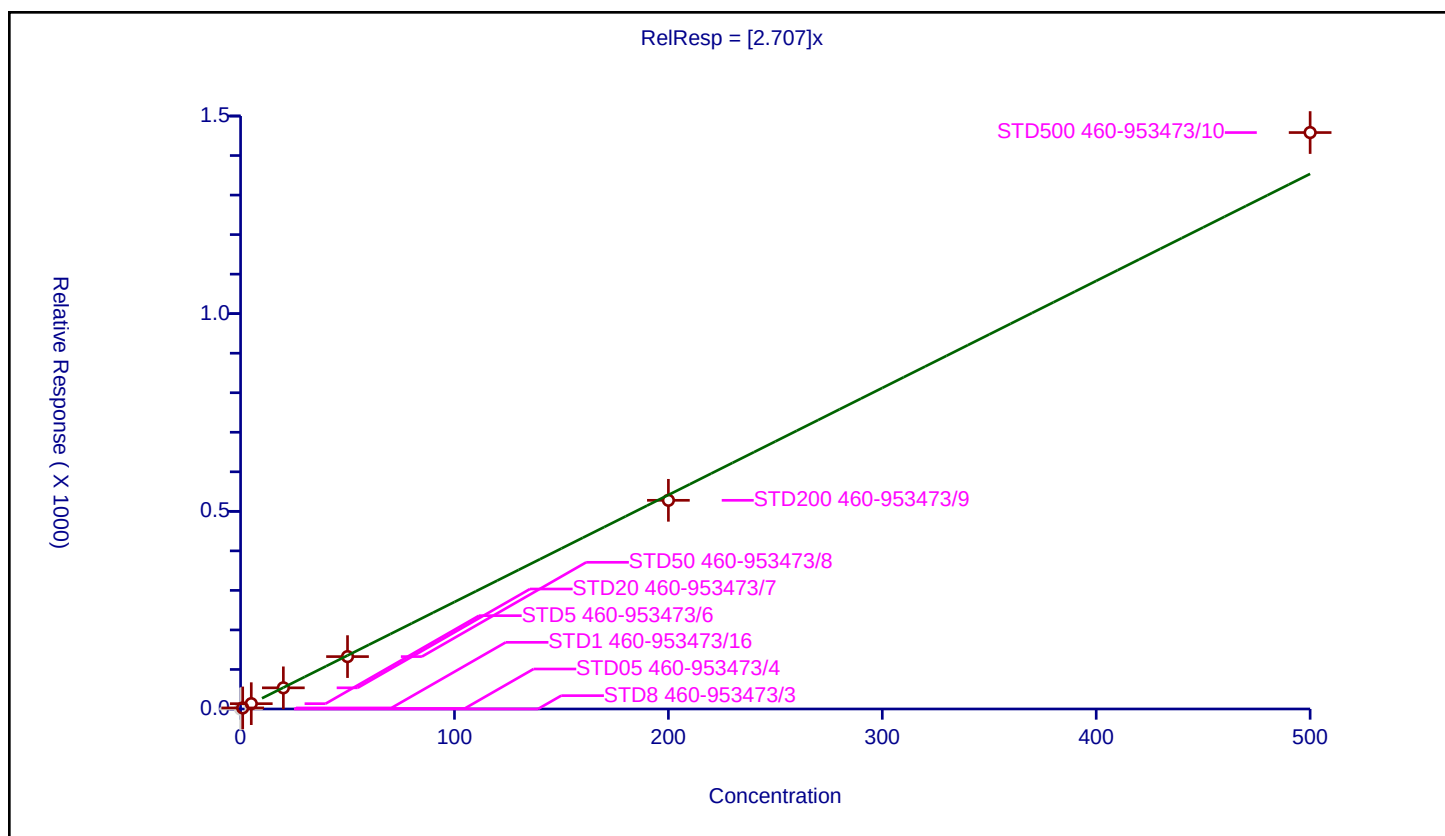
Curve Coefficients

Intercept: 0
Slope: 2.707

Error Coefficients

Standard Error: 3750000
Relative Standard Error: 3.8
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.244462	50.0	212381.0	2.488923	N
3	STD1 460-953473/16	1.0	2.672199	50.0	223767.0	2.672199	Y
4	STD5 460-953473/6	5.0	13.443235	50.0	211188.0	2.688647	Y
5	STD20 460-953473/7	20.0	53.529596	50.0	223170.0	2.67648	Y
6	STD50 460-953473/8	50.0	132.526905	50.0	238707.0	2.650538	Y
7	STD200 460-953473/9	200.0	527.867221	50.0	268762.0	2.639336	Y
8	STD500 460-953473/10	500.0	1458.16631	50.0	269773.0	2.916333	Y



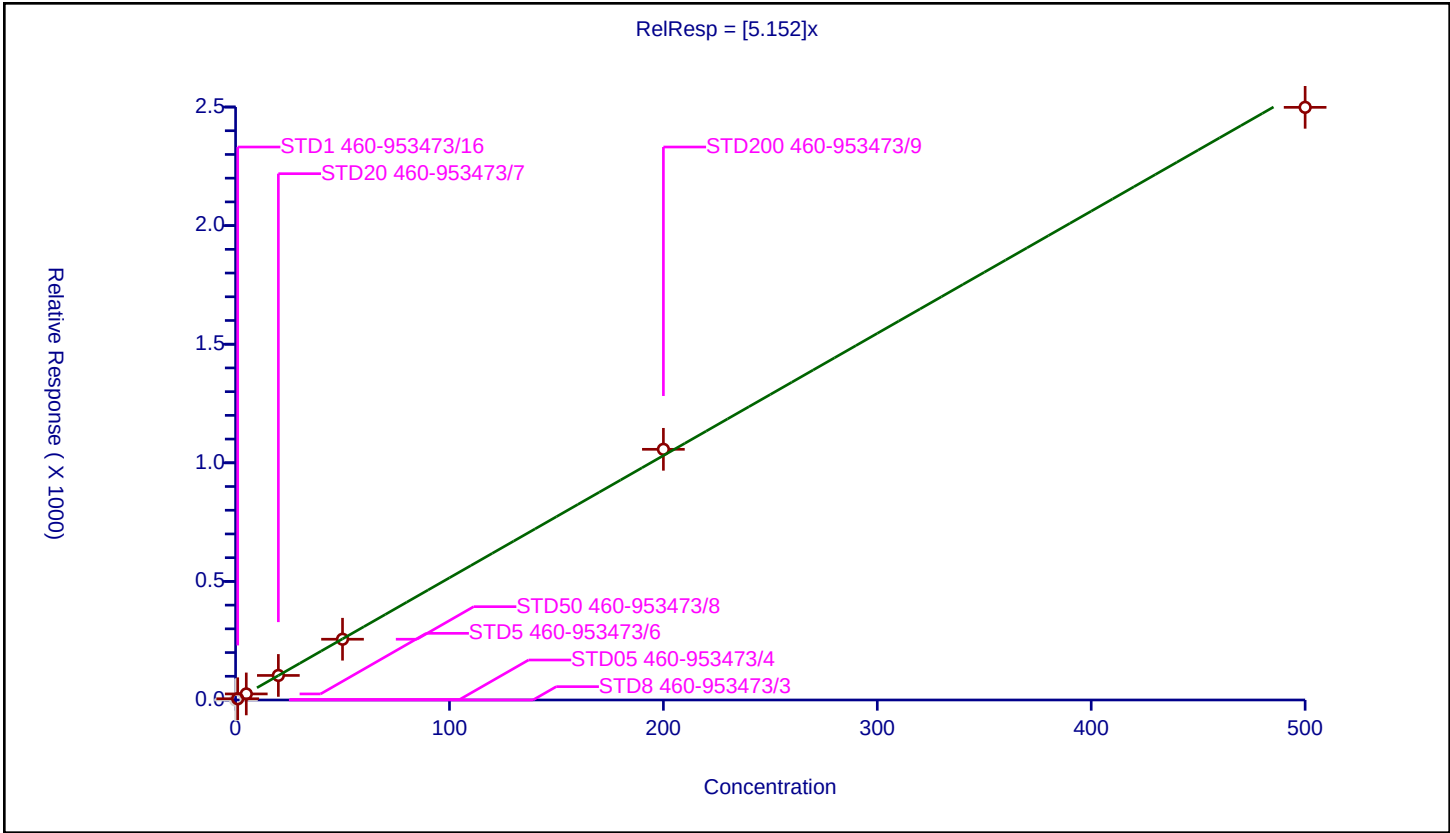
Calibration

/ 1,2,3-Trimethylbenzene

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

Curve Coefficients	
Intercept:	0
Slope:	5.152
Error Coefficients	
Standard Error:	6570000
Relative Standard Error:	1.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	2.143553	50.0	212381.0	4.287107	N
3	STD1 460-953473/16	1.0	5.208096	50.0	223767.0	5.208096	Y
4	STD5 460-953473/6	5.0	25.629534	50.0	211188.0	5.125907	Y
5	STD20 460-953473/7	20.0	103.500246	50.0	223170.0	5.175012	Y
6	STD50 460-953473/8	50.0	256.126548	50.0	238707.0	5.122531	Y
7	STD200 460-953473/9	200.0	1056.873926	50.0	268762.0	5.28437	Y
8	STD500 460-953473/10	500.0	2498.651459	50.0	269773.0	4.997303	Y



Calibration

/ Benzyl chloride

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

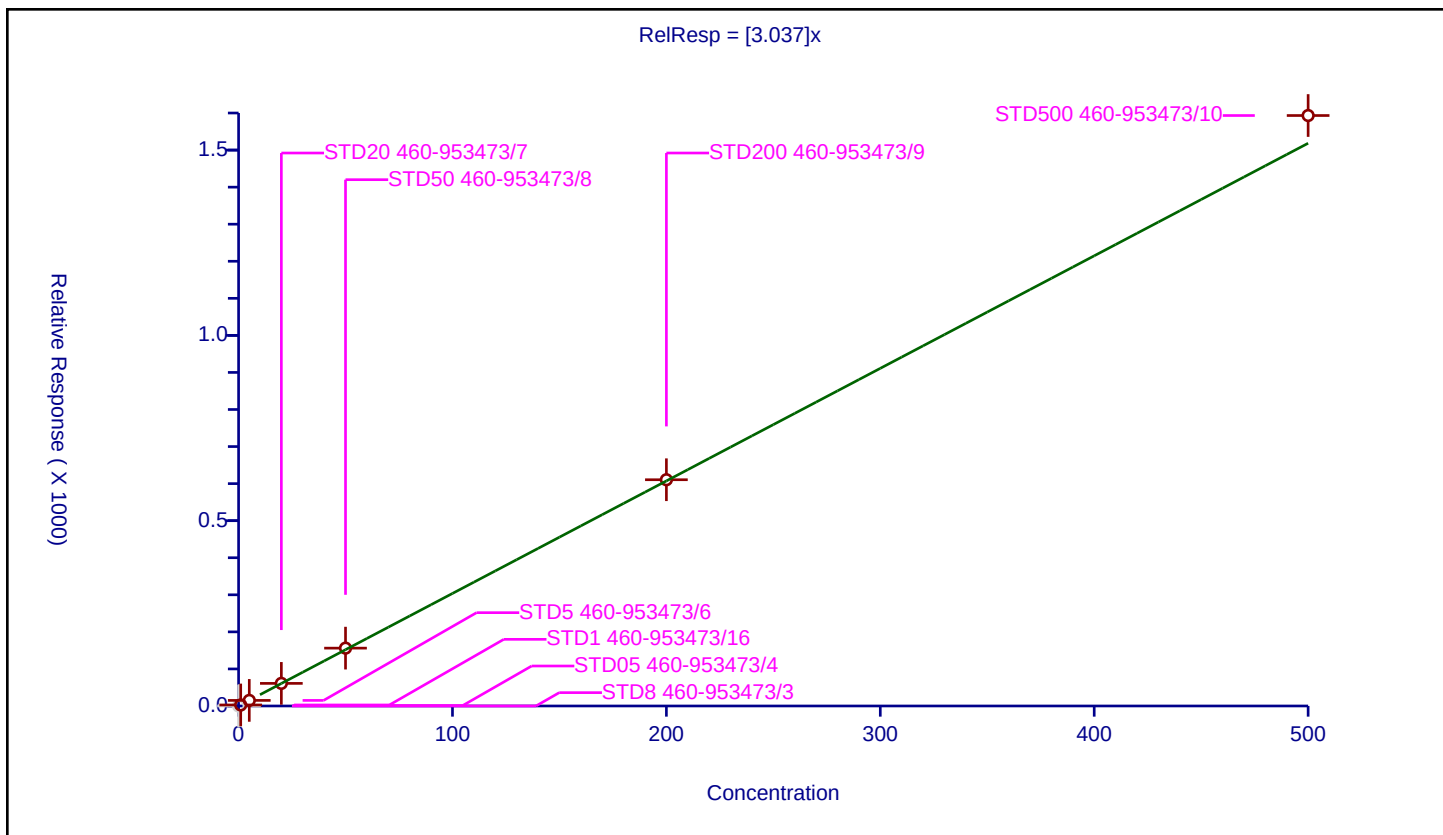
Curve Coefficients

Intercept: 0
 Slope: 3.037

Error Coefficients

Standard Error: 4130000
 Relative Standard Error: 4.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.208912	50.0	212381.0	2.417825	N
3	STD1 460-953473/16	1.0	2.794425	50.0	223767.0	2.794425	Y
4	STD5 460-953473/6	5.0	15.075904	50.0	211188.0	3.015181	Y
5	STD20 460-953473/7	20.0	61.00932	50.0	223170.0	3.050466	Y
6	STD50 460-953473/8	50.0	156.073555	50.0	238707.0	3.121471	Y
7	STD200 460-953473/9	200.0	610.520833	50.0	268762.0	3.052604	Y
8	STD500 460-953473/10	500.0	1593.249324	50.0	269773.0	3.186499	Y



Calibration

/ n-Butylbenzene

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

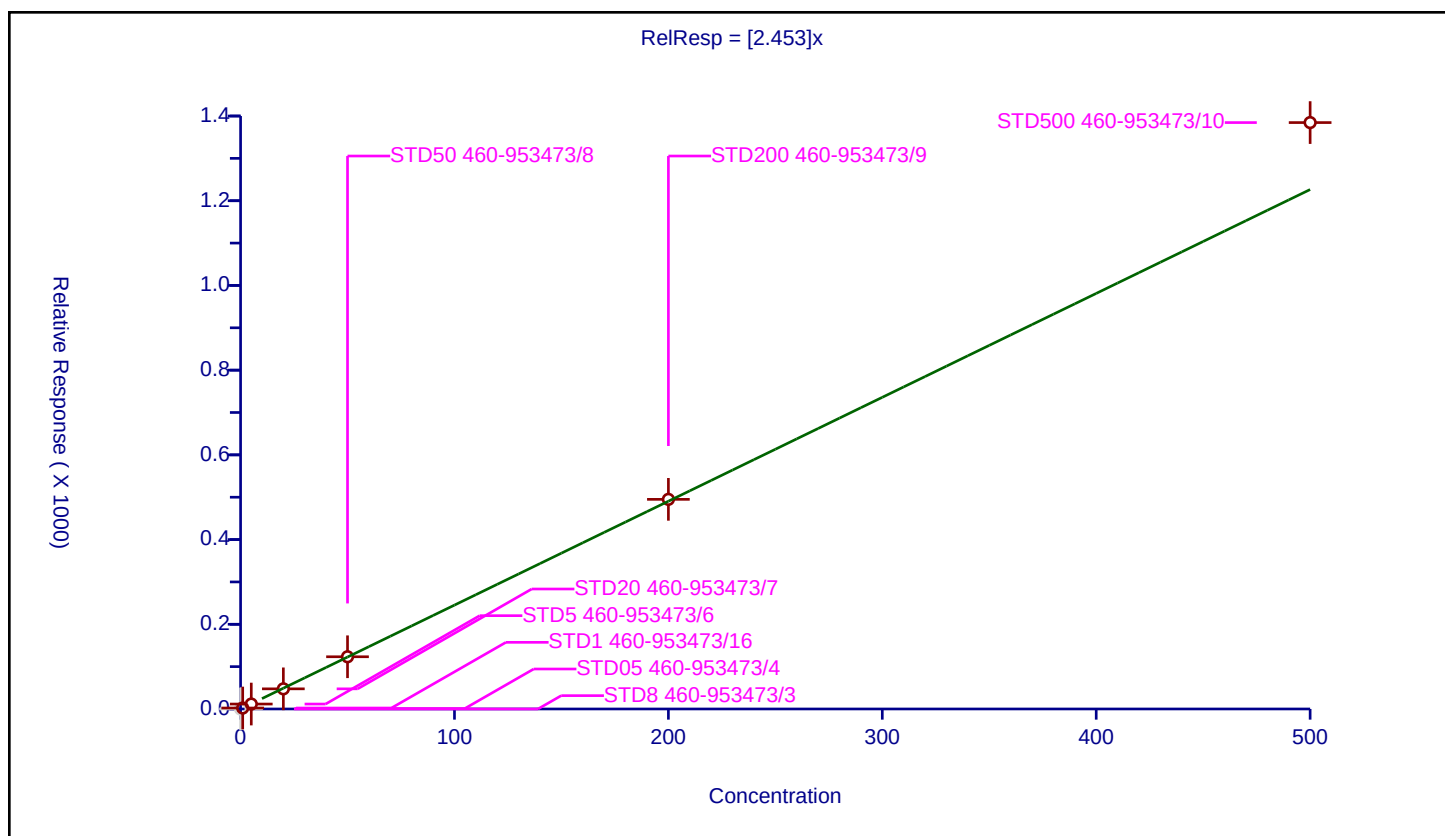
Curve Coefficients

Intercept: 0
Slope: 2.453

Error Coefficients

Standard Error: 3560000
Relative Standard Error: 6.9
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.923811	50.0	212381.0	1.847623	N
3	STD1 460-953473/16	1.0	2.295915	50.0	223767.0	2.295915	Y
4	STD5 460-953473/6	5.0	11.669697	50.0	211188.0	2.333939	Y
5	STD20 460-953473/7	20.0	47.55097	50.0	223170.0	2.377549	Y
6	STD50 460-953473/8	50.0	123.295295	50.0	238707.0	2.465906	Y
7	STD200 460-953473/9	200.0	494.933063	50.0	268762.0	2.474665	Y
8	STD500 460-953473/10	500.0	1384.517353	50.0	269773.0	2.769035	Y



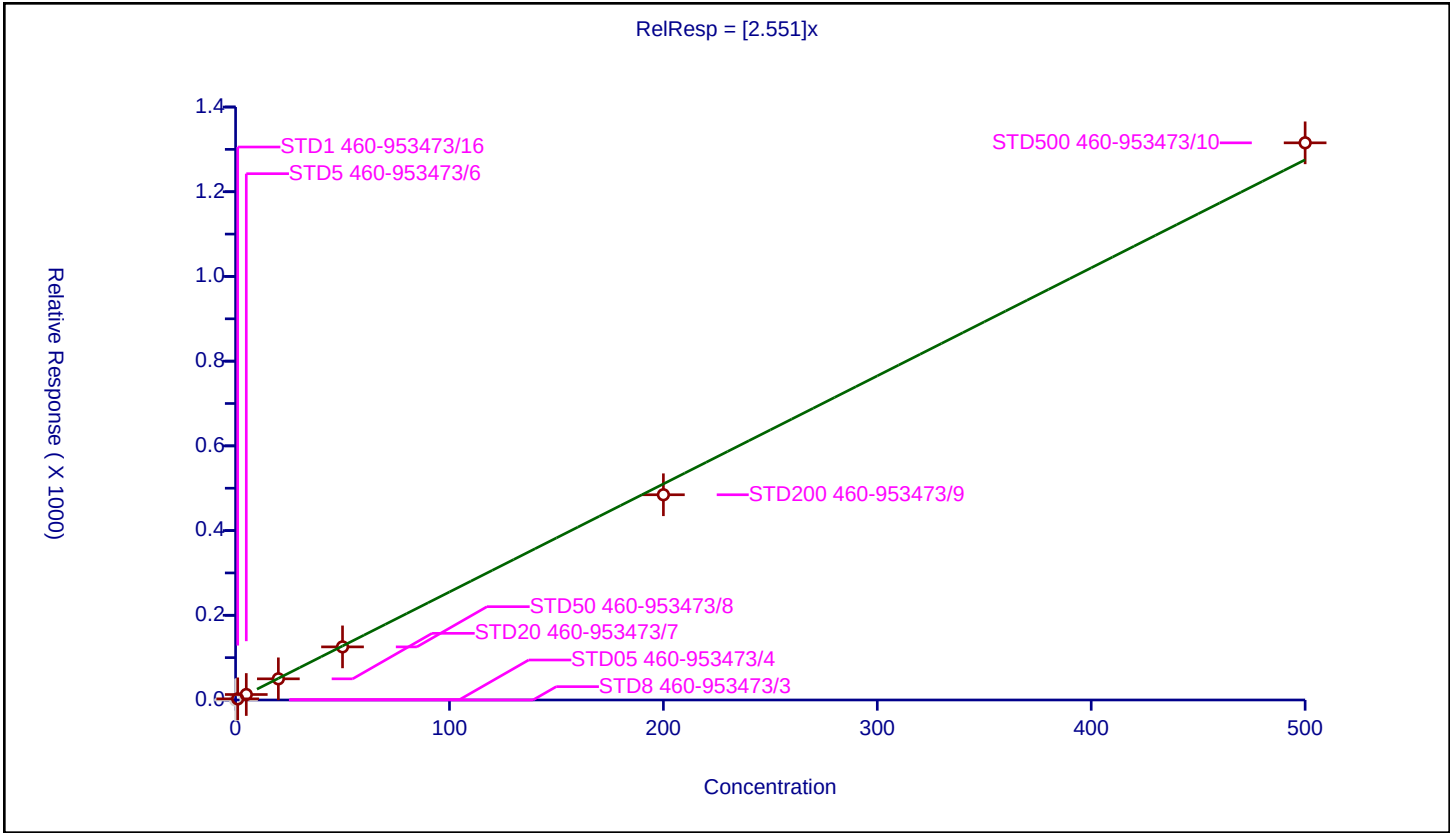
Calibration

/ 1,2-Dichlorobenzene

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

Curve Coefficients	
Intercept:	0
Slope:	2.551
Error Coefficients	
Standard Error:	3390000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.056827	50.0	212381.0	2.113654	N
3	STD1 460-953473/16	1.0	2.654547	50.0	223767.0	2.654547	Y
4	STD5 460-953473/6	5.0	12.960964	50.0	211188.0	2.592193	Y
5	STD20 460-953473/7	20.0	49.938836	50.0	223170.0	2.496942	Y
6	STD50 460-953473/8	50.0	125.363521	50.0	238707.0	2.50727	Y
7	STD200 460-953473/9	200.0	484.539295	50.0	268762.0	2.422696	Y
8	STD500 460-953473/10	500.0	1315.474121	50.0	269773.0	2.630948	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

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

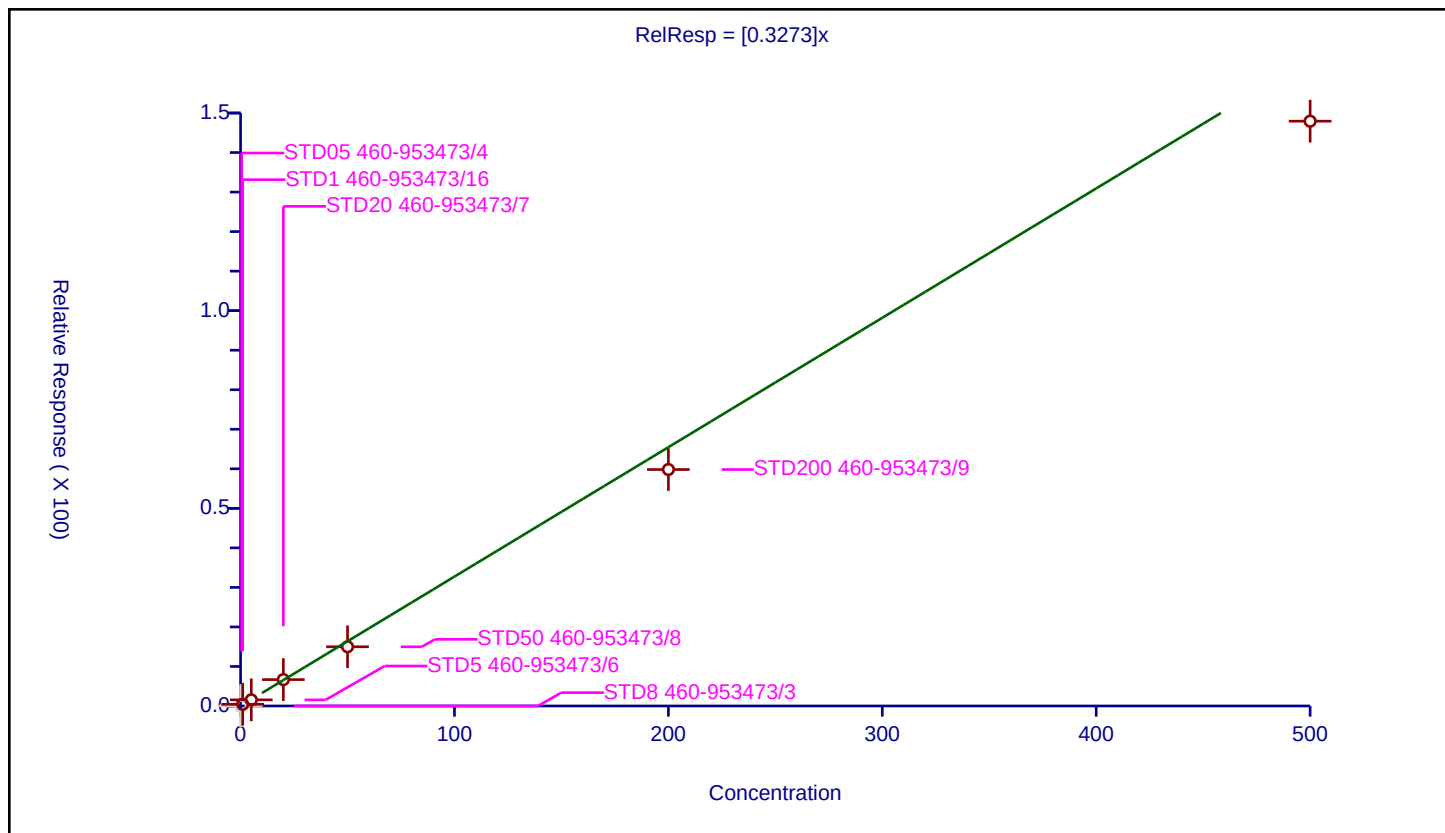
Curve Coefficients

Intercept: 0
Slope: 0.3273

Error Coefficients

Standard Error: 386000
Relative Standard Error: 15.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.1987	50.0	212381.0	0.397399	N
3	STD1 460-953473/16	1.0	0.426336	50.0	223767.0	0.426336	Y
4	STD5 460-953473/6	5.0	1.546726	50.0	211188.0	0.309345	Y
5	STD20 460-953473/7	20.0	6.672492	50.0	223170.0	0.333625	Y
6	STD50 460-953473/8	50.0	14.98008	50.0	238707.0	0.299602	Y
7	STD200 460-953473/9	200.0	59.817236	50.0	268762.0	0.299086	Y
8	STD500 460-953473/10	500.0	147.937896	50.0	269773.0	0.295876	Y



Calibration

/ 1,2,4-Trichlorobenzene

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

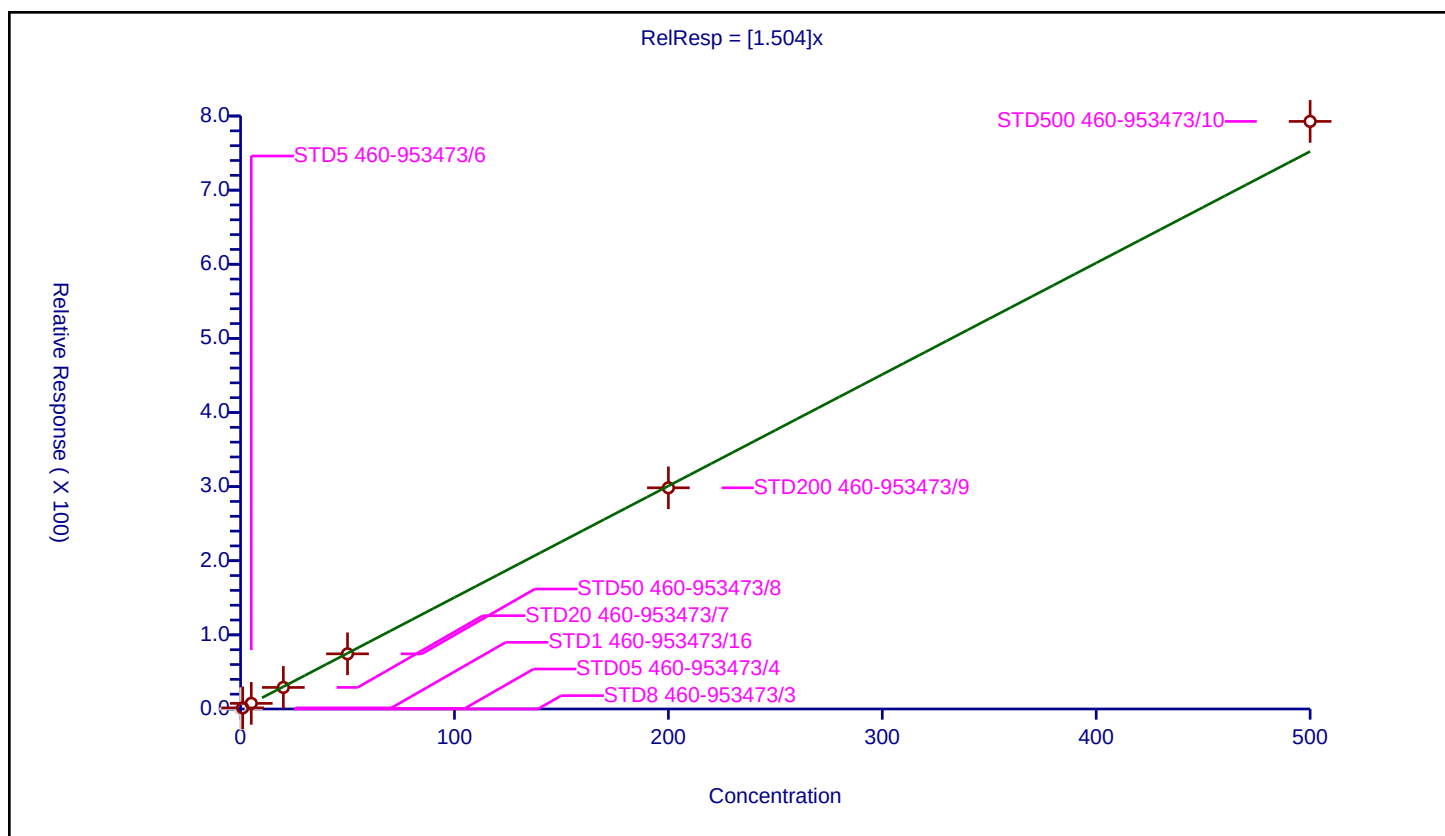
Curve Coefficients

Intercept: 0
Slope: 1.504

Error Coefficients

Standard Error: 2050000
Relative Standard Error: 2.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.653778	50.0	212381.0	1.307556	N
3	STD1 460-953473/16	1.0	1.491507	50.0	223767.0	1.491507	Y
4	STD5 460-953473/6	5.0	7.569559	50.0	211188.0	1.513912	Y
5	STD20 460-953473/7	20.0	29.097101	50.0	223170.0	1.454855	Y
6	STD50 460-953473/8	50.0	74.430788	50.0	238707.0	1.488616	Y
7	STD200 460-953473/9	200.0	298.405653	50.0	268762.0	1.492028	Y
8	STD500 460-953473/10	500.0	792.716284	50.0	269773.0	1.585433	Y



Calibration

/ Hexachlorobutadiene

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

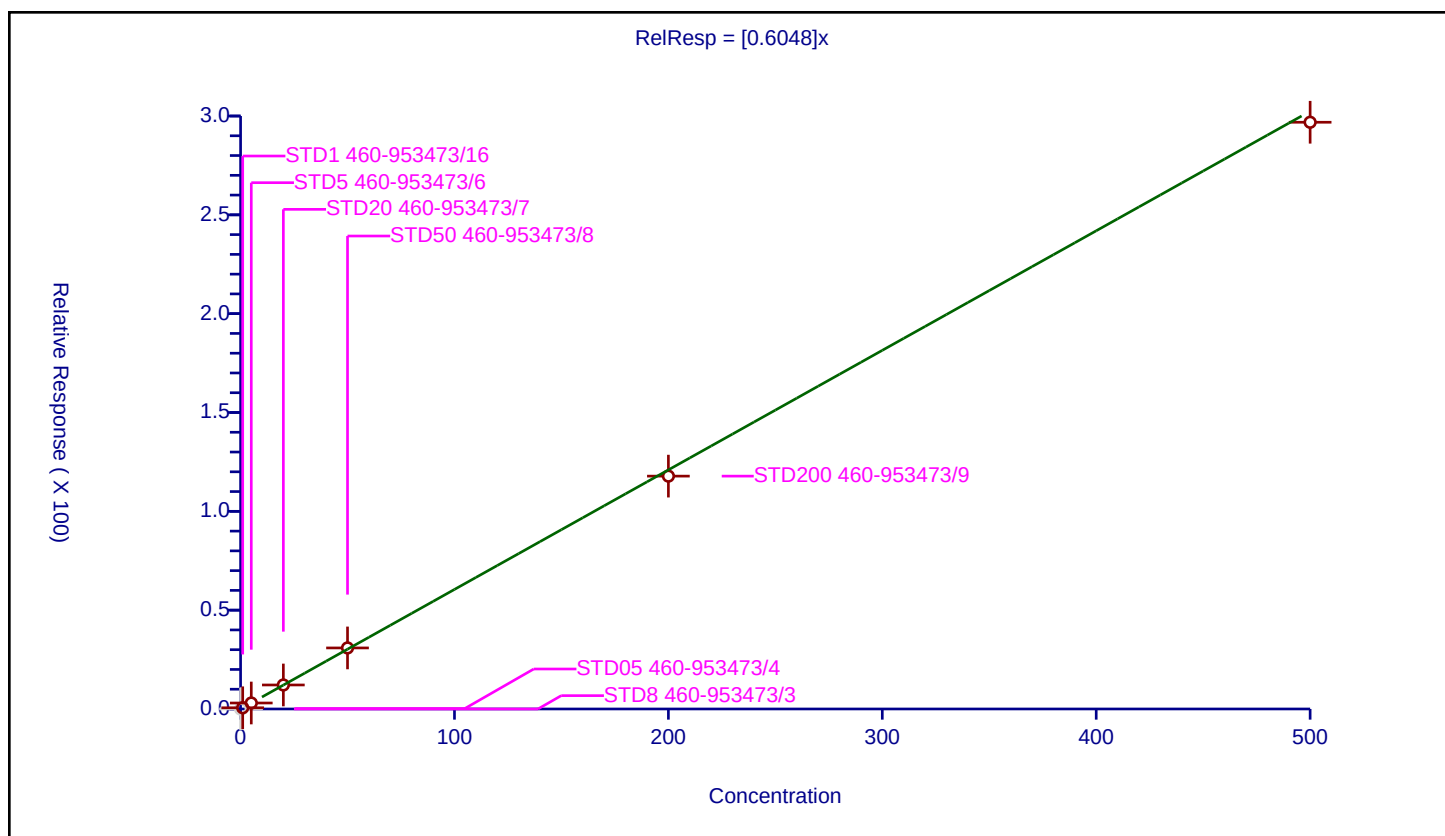
Curve Coefficients

Intercept: 0
Slope: 0.6048

Error Coefficients

Standard Error: 773000
Relative Standard Error: 1.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.197287	50.0	212381.0	0.394574	N
3	STD1 460-953473/16	1.0	0.615372	50.0	223767.0	0.615372	Y
4	STD5 460-953473/6	5.0	3.02645	50.0	211188.0	0.60529	Y
5	STD20 460-953473/7	20.0	12.155084	50.0	223170.0	0.607754	Y
6	STD50 460-953473/8	50.0	30.88661	50.0	238707.0	0.617732	Y
7	STD200 460-953473/9	200.0	117.816879	50.0	268762.0	0.589084	Y
8	STD500 460-953473/10	500.0	296.841419	50.0	269773.0	0.593683	Y



Calibration

/ Naphthalene

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

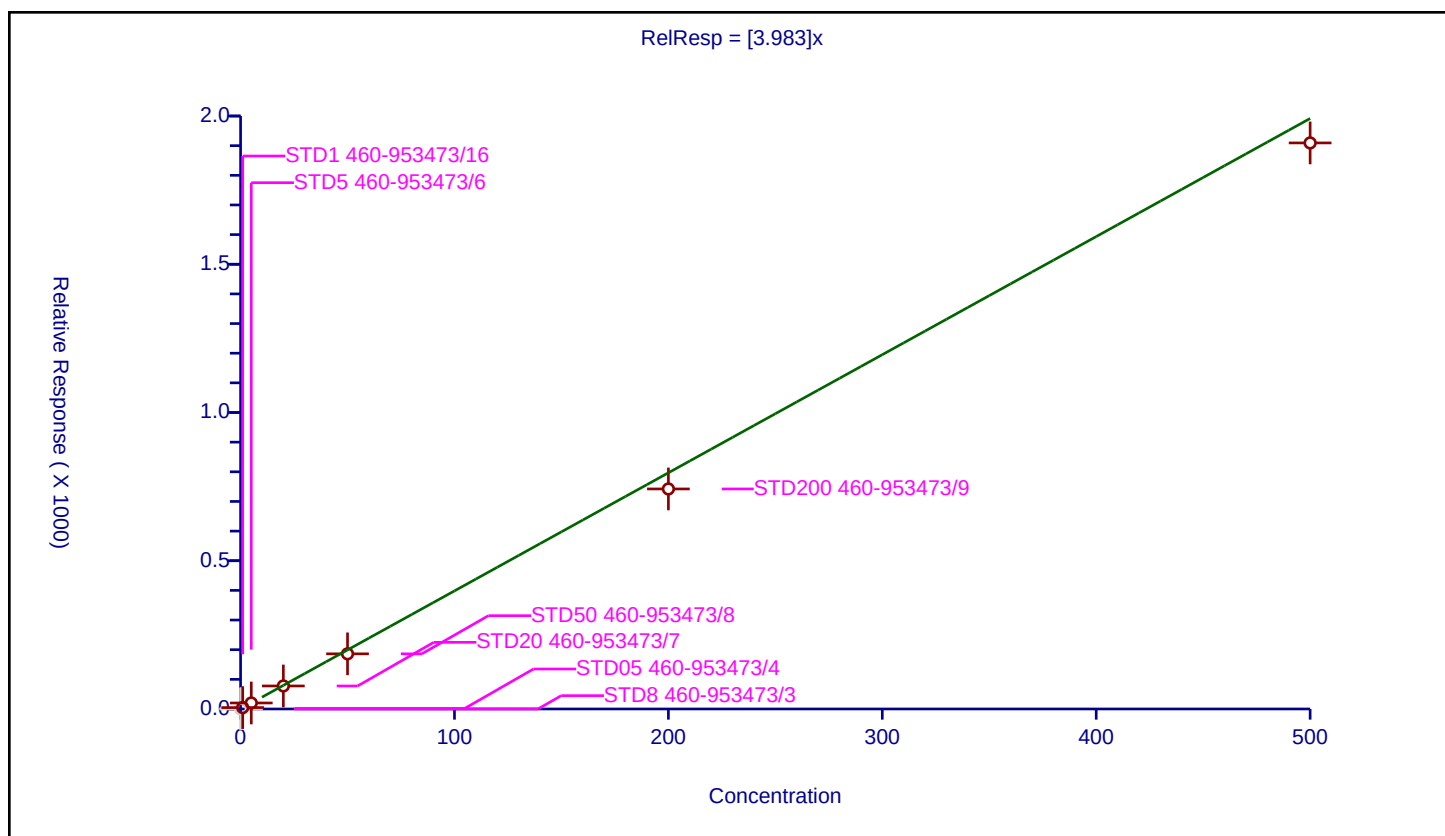
Curve Coefficients

Intercept: 0
Slope: 3.983

Error Coefficients

Standard Error: 4960000
Relative Standard Error: 9.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	1.86834	50.0	212381.0	3.736681	N
3	STD1 460-953473/16	1.0	4.711374	50.0	223767.0	4.711374	Y
4	STD5 460-953473/6	5.0	20.27672	50.0	211188.0	4.055344	Y
5	STD20 460-953473/7	20.0	77.67061	50.0	223170.0	3.88353	Y
6	STD50 460-953473/8	50.0	186.058222	50.0	238707.0	3.721164	Y
7	STD200 460-953473/9	200.0	742.183233	50.0	268762.0	3.710916	Y
8	STD500 460-953473/10	500.0	1909.25315	50.0	269773.0	3.818506	Y



Calibration

/ 1,2,3-Trichlorobenzene

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

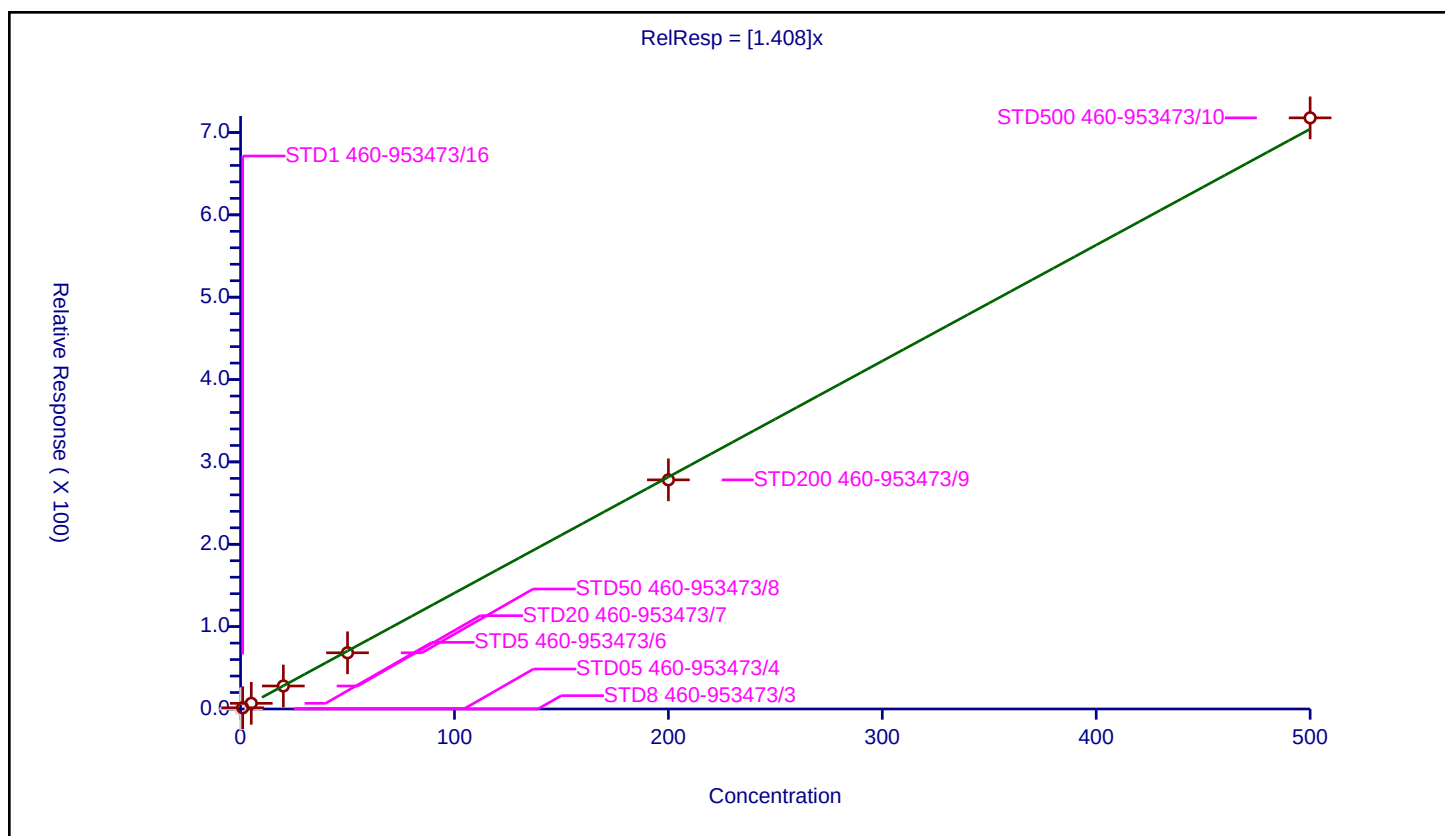
Curve Coefficients

Intercept: 0
Slope: 1.408

Error Coefficients

Standard Error: 1860000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-953473/3	0.0	0.0	50.0	216678.0	NaN	N
2	STD05 460-953473/4	0.5	0.608576	50.0	212381.0	1.217152	N
3	STD1 460-953473/16	1.0	1.486814	50.0	223767.0	1.486814	Y
4	STD5 460-953473/6	5.0	6.875154	50.0	211188.0	1.375031	Y
5	STD20 460-953473/7	20.0	27.941928	50.0	223170.0	1.397096	Y
6	STD50 460-953473/8	50.0	68.234069	50.0	238707.0	1.364681	Y
7	STD200 460-953473/9	200.0	278.209345	50.0	268762.0	1.391047	Y
8	STD500 460-953473/10	500.0	717.757522	50.0	269773.0	1.435515	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-959555/16 Calibration Date: 02/15/2024 15:35

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A09713.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.6070	0.6494		21.4	20.0	107	60-140
Chloromethane	Ave	0.5629	0.6114		21.7	20.0	109	0.1-205
Vinyl chloride	Ave	0.5096	0.5819		22.8	20.0	114	5-195
Butadiene	Ave	0.5080	0.5087		20.0	20.0	100	60-140
Bromomethane	Ave	0.3062	0.3694		24.1	20.0	121	15-185
Ethyl Chloride	Ave	0.2663	0.3075		23.1	20.0	115	40-160
Trichlorofluoromethane	Ave	0.5897	0.6799		23.1	20.0	115	50-150
Pentane	Ave	5.077	3.791		29.9	40.0	75	60-140
Ethanol	Ave	0.0684	0.0815		954	800	119	60-140
Ethyl ether	Ave	0.2259	0.2177		19.3	20.0	96	60-140
2-Methyl-1,3-butadiene	Ave	0.3053	0.2934		19.2	20.0	96	60-140
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3135	0.3053		19.5	20.0	97	60-140
Acrolein	Ave	2.229	1.180		20.9	39.5	53	10-150
1,1-Dichloroethene	Ave	0.3018	0.2750		18.2	20.0	91	50-150
Acetone	Ave	0.2622	0.2376		90.6	100	91	60-140
Isopropyl alcohol	Ave	0.7636	0.7522		197	200	99	60-140
Iodomethane	Ave	0.4146	0.3385		16.3	20.0	82	60-140
Carbon disulfide	Ave	1.054	0.8428		16.0	20.0	80	60-140
3-Chloro-1-propene	Ave	0.2010	0.1830		18.2	20.0	91	60-140
Methyl acetate	Ave	13.07	12.11		37.1	40.0	93	60-140
Acetonitrile	Ave	2.365	2.307		195	200	98	60-140
Methylene Chloride	Ave	0.3409	0.3241		19.0	20.0	95	60-140
TBA	Ave	1.340	1.223		183	200	91	60-140
MTBE	Ave	0.7063	0.6966		19.7	20.0	99	60-140
trans-1,2-Dichloroethene	Ave	0.3370	0.3227		19.2	20.0	96	70-130
Acrylonitrile	Ave	0.0668	0.0658		197	200	99	60-140
Hexane	Ave	0.2621	0.2288		17.5	20.0	87	60-140
Isopropyl ether	Ave	1.012	1.009		19.9	20.0	100	60-140
1,1-Dichloroethane	Ave	0.6196	0.5920		19.1	20.0	96	70-130
Vinyl acetate	Ave	4.260	2.937		27.6	40.0	69	60-140
2,2-Dichloropropane	Ave	0.1139	0.1071		18.8	20.0	94	60-140
cis-1,2-Dichloroethene	Ave	0.3774	0.3665		19.4	20.0	97	60-140
Ethyl acetate	Lin2		0.3395		37.2	40.0	93	60-140
2-Butanone	Ave	0.3617	0.3359		92.9	100	93	60-140
Chlorobromomethane	Ave	0.1669	0.1509		18.1	20.0	90	60-140
Tetrahydrofuran	Ave	1.302	1.151		35.4	40.0	88	60-140
Chloroform	Ave	0.6029	0.5826		19.3	20.0	97	70-135
Cyclohexane	Ave	0.5436	0.4919		18.1	20.0	90	60-140
1,1,1-Trichloroethane	Ave	0.5301	0.5104		19.3	20.0	96	70-130
Carbon tetrachloride	Ave	0.4713	0.4377		18.6	20.0	93	70-130

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-959555/16 Calibration Date: 02/15/2024 15:35

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A09713.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,1-Dichloropropene	Ave	0.4679	0.4211		18.0	20.0	90	60-140
Benzene	Ave	1.579	1.574		19.9	20.0	100	65-135
Isopropyl acetate	Ave	0.1024	0.0999		19.5	20.0	98	60-140
1,2-Dichloroethane	Ave	0.4083	0.3719		18.2	20.0	91	70-130
n-Heptane	Ave	0.1756	0.1731		19.7	20.0	99	60-140
n-Butanol	Ave	0.3220	0.2747		426	500	85	60-140
Trichloroethene	Ave	0.3705	0.3442		18.6	20.0	93	65-135
Ethyl acrylate	Ave	0.0387	0.0352		18.2	20.0	91	60-140
Methylcyclohexane	Ave	0.4982	0.4549		18.3	20.0	91	60-140
1,2-Dichloropropane	Ave	0.3332	0.3262		19.6	20.0	98	35-165
Methyl methacrylate	Ave	0.1505	0.1510		40.2	40.0	100	60-140
1,4-Dioxane	Ave	1.280	1.204		376	400	94	60-140
n-Propyl acetate	Ave	0.2858	0.3038		21.3	20.0	106	60-140
Dibromomethane	Ave	0.1815	0.1720		18.9	20.0	95	60-140
Bromodichloromethane	Ave	0.4615	0.4239		18.4	20.0	92	65-135
2-Chloroethyl vinyl ether	Ave	0.0320	0.0196		12.2	20.0	61	0.1-225
Epichlorohydrin	Ave	0.2543	0.2081		16.4	20.0	82	60-140
cis-1,3-Dichloropropene	Ave	0.6302	0.5916		18.8	20.0	94	25-175
4-Methyl-2-pentanone	Ave	2.817	2.822		100	100	100	60-140
Toluene	Ave	1.684	1.642		19.5	20.0	98	70-130
trans-1,3-Dichloropropene	Ave	0.5341	0.5103		19.1	20.0	96	50-150
1,1,2-Trichloroethane	Ave	0.2620	0.2620		20.0	20.0	100	70-130
Tetrachloroethene	Ave	0.4481	0.4337		19.4	20.0	97	70-130
1,3-Dichloropropane	Ave	0.5192	0.5041		19.4	20.0	97	60-140
2-Hexanone	Ave	0.9617	0.9709		101	100	101	60-140
n-Butyl acetate	Lin2		0.0585		18.1	20.0	90	60-140
Dibromochloromethane	Ave	0.3711	0.3492		18.8	20.0	94	70-135
Ethylene Dibromide	Ave	0.2865	0.2869		20.0	20.0	100	60-140
Chlorobenzene	Ave	1.098	1.048		19.1	20.0	95	65-135
Ethylbenzene	Ave	0.5949	0.5902		19.8	20.0	99	60-140
1,1,1,2-Tetrachloroethane	Ave	0.3677	0.3738		20.3	20.0	102	60-140
m-Xylene & p-Xylene	Ave	0.7334	0.7066		19.3	20.0	96	60-140
n-Butyl acrylate	Ave	0.1971	0.2065		21.0	20.0	105	60-140
o-Xylene	Ave	0.7199	0.7076		19.7	20.0	98	60-140
Styrene	Ave	1.173	1.192		20.3	20.0	102	60-140
Amyl acetate (mixed isomers)	Lin2		0.8401		19.7	20.0	98	60-140
Bromoform	Ave	0.2217	0.2176		19.6	20.0	98	70-130
Isopropylbenzene	Ave	1.814	1.821		20.1	20.0	100	60-140
Bromobenzene	Ave	0.8479	0.8141		19.2	20.0	96	60-140
1,1,2,2-Tetrachloroethane	Ave	0.5569	0.5537		19.9	20.0	99	60-140
N-Propylbenzene	Ave	4.045	4.064		20.1	20.0	100	60-140

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-959555/16 Calibration Date: 02/15/2024 15:35

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A09713.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,2,3-Trichloropropane	Ave	0.1636	0.1684		20.6	20.0	103	60-140
2-Chlorotoluene	Ave	2.707	2.701		20.0	20.0	100	60-140
1,3,5-Trimethylbenzene	Ave	2.717	2.782		20.5	20.0	102	60-140
4-Chlorotoluene	Ave	2.454	2.493		20.3	20.0	102	60-140
Butyl Methacrylate	Lin2		0.7840		19.5	20.0	97	60-140
tert-Butylbenzene	Ave	2.371	2.352		19.8	20.0	99	60-140
1,2,4-Trimethylbenzene	Ave	2.900	2.764		19.1	20.0	95	60-140
sec-Butylbenzene	Ave	0.6961	0.6888		19.8	20.0	99	60-140
4-Isopropyltoluene	Ave	2.898	2.868		19.8	20.0	99	60-140
1,3-Dichlorobenzene	Ave	1.603	1.617		20.2	20.0	101	70-130
1,4-Dichlorobenzene	Ave	1.660	1.645		19.8	20.0	99	65-135
1,2,3-Trimethylbenzene	Ave	2.863	2.882		20.1	20.0	101	60-140
Benzyl chloride	Ave	1.021	0.9297		18.2	20.0	91	60-140
n-Butylbenzene	Ave	1.425	1.437		20.2	20.0	101	60-140
1,2-Dichlorobenzene	Ave	1.469	1.496		20.4	20.0	102	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.1084	0.1125		20.8	20.0	104	60-140
1,2,4-Trichlorobenzene	Ave	0.997	1.043		20.9	20.0	105	60-140
Hexachlorobutadiene	Ave	0.4156	0.4469		21.5	20.0	108	60-140
Naphthalene	Ave	1.664	1.815		21.8	20.0	109	60-140
1,2,3-Trichlorobenzene	Ave	0.7987	0.8710		21.8	20.0	109	60-140
Dibromofluoromethane (Surr)	Ave	0.2869	0.2824		49.2	50.0	98	60-140
1,2-Dichloroethane-d4 (Surr)	Ave	0.3059	0.3094		50.6	50.0	101	60-140
Toluene-d8 (Surr)	Ave	1.324	1.342		50.7	50.0	101	60-140
Bromofluorobenzene	Ave	0.4296	0.4549		52.9	50.0	106	60-140

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09713.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Feb-2024 15:35:30 ALS Bottle#: 15 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 460-0172348-016
 Operator ID: Instrument ID: CVOAMS1
 Sublist:
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Feb-2024 19:31:51 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: W9CM

Date: 15-Feb-2024 19:28:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	93	29815	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	100	146511	20.0	21.4	
165 Chlorodifluoromethane	51	1.593	1.587	0.006	97	126589	NC	NC	
6 Chloromethane	50	1.775	1.746	0.029	99	137918	20.0	21.7	
7 Vinyl chloride	62	1.828	1.828	0.000	98	131268	20.0	22.8	
172 Butadiene	39	1.852	1.852	0.000	98	114752	20.0	20.0	
9 Bromomethane	94	2.116	2.116	0.000	96	83333	20.0	24.1	
10 Chloroethane	64	2.193	2.193	0.000	100	69368	20.0	23.1	
174 Dichlorofluoromethane	67	2.352	2.352	0.000	99	189496	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	98	153390	20.0	23.1	
13 Pentane	72	2.410	2.405	0.005	96	21336	40.0	29.9	
14 Ethanol	46	2.528	2.528	0.000	94	9171	800.0	953.7	
15 Ethyl ether	59	2.587	2.581	0.006	97	49113	20.0	19.3	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	92	66193	20.0	19.2	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	96	61238	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.669	2.663	0.006	96	103494	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	68864	20.0	19.5	
19 Acrolein	56	2.751	2.757	-0.006	33	6555	39.5	20.9	
21 1,1-Dichloroethene	96	2.793	2.787	0.006	95	62031	20.0	18.2	
22 Acetone	58	2.863	2.863	0.000	86	17986	100.0	90.6	
24 Isopropyl alcohol	45	2.928	2.928	0.000	98	21164	200.0	197.0	
23 Iodomethane	142	2.951	2.946	0.005	100	76371	20.0	16.3	
25 Carbon disulfide	76	2.987	2.987	0.000	99	190128	20.0	16.0	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	93	41286	20.0	18.2	
27 Methyl acetate	43	3.099	3.099	0.000	87	68175	40.0	37.1	
166 Cyclopentene	67	3.122	3.122	0.000	94	136129	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	99	64914	200.0	195.1	
* 30 TBA-d9 (IS)	65	3.181	3.175	0.006	0	140687	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	93	73126	20.0	19.0	
32 2-Methyl-2-propanol	59	3.251	3.252	-0.001	99	34414	200.0	182.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.369	3.369	0.000	97	157143	20.0	19.7	
34 trans-1,2-Dichloroethene	96	3.404	3.404	0.000	94	72798	20.0	19.2	
35 Acrylonitrile	53	3.475	3.475	0.000	95	148545	200.0	197.0	
36 Hexane	43	3.557	3.557	0.000	92	51615	20.0	17.5	
37 Isopropyl ether	45	3.757	3.757	0.000	97	227513	20.0	19.9	
39 Vinyl acetate	86	3.804	3.804	0.000	99	16527	40.0	27.6	
38 1,1-Dichloroethane	63	3.804	3.810	-0.006	84	133560	20.0	19.1	
40 2-Chloro-1,3-butadiene	88	3.857	3.852	0.005	92	66396	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	88	200575	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	189248	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.328	-0.012	97	24152	20.0	18.8	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	95	82690	20.0	19.4	
46 Ethyl acetate	70	4.346	4.346	0.000	92	10279	40.0	37.2	
45 2-Butanone (MEK)	72	4.357	4.346	0.011	97	25429	100.0	92.9	
47 Methyl acrylate	55	4.404	4.410	-0.006	99	41876	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	99	57711	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	83	34037	20.0	18.1	
49 Tetrahydrofuran	42	4.581	4.587	-0.006	51	34847	40.0	35.4	
51 Methacrylonitrile	67	4.604	4.599	0.005	94	201687	NC	NC	
52 Chloroform	83	4.628	4.622	0.006	98	131425	20.0	19.3	
53 Cyclohexane	56	4.781	4.775	0.006	92	110961	20.0	18.1	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	76	115151	20.0	19.3	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	159288	50.0	49.2	
56 Carbon tetrachloride	117	4.916	4.916	0.000	97	98754	20.0	18.6	
57 1,1-Dichloropropene	75	4.945	4.951	-0.006	96	95006	20.0	18.0	
58 Isobutyl alcohol	43	5.040	5.040	0.000	96	35815	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	98	165262	NC	NC	
60 Benzene	78	5.169	5.163	0.006	95	285521	20.0	19.9	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.175	0.000	0	174497	50.0	50.6	
62 Isopropyl acetate	61	5.193	5.193	-0.001	97	22539	20.0	19.5	
63 Tert-amyl methyl ether	87	5.216	5.216	0.000	94	52308	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	96	83894	20.0	18.2	
65 n-Heptane	71	5.310	5.310	0.000	94	39061	20.0	19.7	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	563987	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	91	19320	500.0	426.5	
68 Trichloroethene	95	5.857	5.857	0.000	99	77657	20.0	18.6	
69 Ethyl acrylate	99	5.981	5.993	-0.012	92	7937	20.0	18.2	
70 Methylcyclohexane	83	5.998	6.004	-0.006	91	102625	20.0	18.3	
71 1,2-Dichloropropane	63	6.181	6.187	-0.006	88	73600	20.0	19.6	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	18034	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.257	-0.006	90	68150	40.0	40.2	
75 1,4-Dioxane	88	6.310	6.298	0.012	27	8688	400.0	376.4	
74 n-Propyl acetate	43	6.310	6.310	0.000	99	68528	20.0	21.3	
76 Dibromomethane	93	6.328	6.328	0.000	94	38800	20.0	18.9	
77 Dichlorobromomethane	83	6.492	6.487	0.005	99	95620	20.0	18.4	
78 2-Chloroethyl vinyl ether	63	6.875	6.869	0.006	45	4421	20.0	12.2	
79 2-Nitropropane	41	6.875	6.875	0.000	97	22082	NC	NC	
80 Epichlorohydrin	57	6.998	6.992	0.006	20	3151	20.0	16.4	
81 cis-1,3-Dichloropropene	75	7.063	7.057	0.006	94	107304	20.0	18.8	
82 4-Methyl-2-pentanone (MIBK)	43	7.245	7.251	-0.006	98	213654	100.0	100.2	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	608287	50.0	50.7	
84 Toluene	91	7.434	7.434	0.000	93	297798	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.839	7.839	0.000	97	92549	20.0	19.1	
85 Ethyl methacrylate	69	7.875	7.875	0.000	90	61613	NC	NC	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	95	47512	20.0	20.0	
88 Tetrachloroethene	166	8.175	8.169	0.006	97	78652	20.0	19.4	
89 1,3-Dichloropropane	76	8.398	8.392	0.006	95	91431	20.0	19.4	
90 2-Hexanone	58	8.481	8.481	0.000	97	73498	100.0	101.0	
91 n-Butyl acetate	73	8.628	8.628	0.000	97	10613	20.0	18.1	
92 Chlorodibromomethane	129	8.698	8.698	0.000	97	63341	20.0	18.8	
93 Ethylene Dibromide	107	8.886	8.881	0.005	97	52042	20.0	20.0	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	453430	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	190006	20.0	19.1	
96 Ethylbenzene	106	9.522	9.528	-0.006	98	107046	20.0	19.8	
97 1,1,1,2-Tetrachloroethane	131	9.533	9.534	-0.001	95	67792	20.0	20.3	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	128156	20.0	19.3	
99 n-Butyl acrylate	73	10.010	10.004	0.006	98	37460	20.0	21.0	
100 o-Xylene	106	10.022	10.028	-0.006	93	128343	20.0	19.7	
101 Styrene	104	10.051	10.051	0.000	94	216261	20.0	20.3	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	89	85236	20.0	19.7	
103 Bromoform	173	10.227	10.228	-0.001	96	39475	20.0	19.6	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	330241	20.0	20.1	
\$ 105 4-Bromofluorobenzene	174	10.480	10.480	0.000	92	206266	50.0	52.9	
107 Bromobenzene	156	10.592	10.592	0.000	95	82594	20.0	19.2	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	98	56173	20.0	19.9	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	412358	20.0	20.1	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	97	17085	20.0	20.6	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	76	17986	NC	NC	
169 4-Ethyltoluene	105	10.722	10.722	0.000	88	341209	NC	NC	
112 2-Chlorotoluene	91	10.722	10.728	-0.006	95	274003	20.0	20.0	
113 1,3,5-Trimethylbenzene	105	10.769	10.775	-0.006	92	282247	20.0	20.5	
115 4-Chlorotoluene	91	10.804	10.810	-0.006	97	252888	20.0	20.3	
114 Butyl Methacrylate	87	10.833	10.839	-0.006	93	79540	20.0	19.5	
116 tert-Butylbenzene	119	10.986	10.992	-0.006	94	238667	20.0	19.8	
117 1,2,4-Trimethylbenzene	105	11.027	11.033	-0.006	98	280447	20.0	19.1	
118 sec-Butylbenzene	134	11.133	11.139	-0.006	99	69880	20.0	19.8	
119 4-Isopropyltoluene	119	11.227	11.233	-0.006	98	290941	20.0	19.8	
120 1,3-Dichlorobenzene	146	11.233	11.239	-0.006	96	164023	20.0	20.2	
* 121 1,4-Dichlorobenzene-d4	152	11.286	11.292	-0.006	95	253639	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.310	-0.006	94	166916	20.0	19.8	
123 1,2,3-Trimethylbenzene	105	11.310	11.316	-0.006	98	292415	20.0	20.1	
124 Benzyl chloride	91	11.404	11.410	-0.006	98	94326	20.0	18.2	
162 2,3-Dihydroindene	117	11.451	11.457	-0.006	94	298339	NC	NC	
164 p-Diethylbenzene	119	11.480	11.486	-0.006	94	184022	NC	NC	
127 n-Butylbenzene	92	11.498	11.504	-0.006	98	145791	20.0	20.2	
128 1,2-Dichlorobenzene	146	11.563	11.569	-0.006	95	151809	20.0	20.4	
163 1,2,4,5-Tetramethylbenzene	119	12.039	12.045	-0.006	97	275412	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.145	12.145	0.000	95	11417	20.0	20.8	
131 1,3,5-Trichlorobenzene	180	12.251	12.257	-0.006	96	120972	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.792	12.798	-0.006	94	105785	20.0	20.9	
133 Hexachlorobutadiene	225	12.880	12.886	-0.006	97	45340	20.0	21.5	
134 Naphthalene	128	13.045	13.051	-0.006	99	184100	20.0	21.8	
135 1,2,3-Trichlorobenzene	180	13.274	13.286	-0.012	95	88366	20.0	21.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		40.0	38.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

7 Freons SS_00010	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00161	Amount Added: 4.00	Units: uL	
GAS C SP_00554	Amount Added: 20.00	Units: uL	
8260 SP_00176	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00244	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09713.D

Injection Date: 15-Feb-2024 15:35:30

Instrument ID: CVOAMS1

Lims ID: ICV

Operator ID:

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

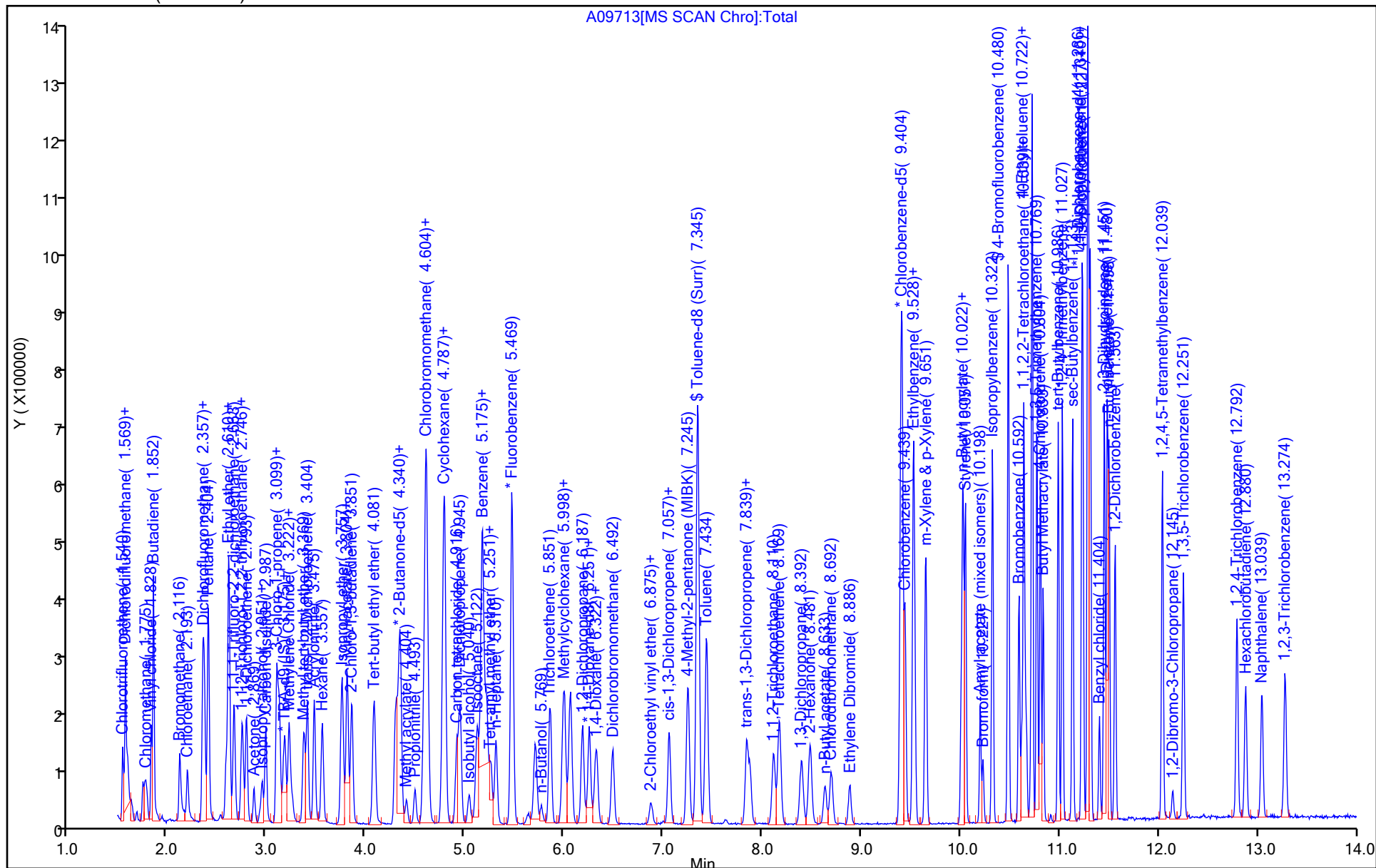
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964280/2 Calibration Date: 03/15/2024 10:03

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A10712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.6070	0.5961		19.6	20.0	98	60-140
Chloromethane	Ave	0.5629	0.5465		19.4	20.0	97	0.1-205
Vinyl chloride	Ave	0.5096	0.4639		18.2	20.0	91	5-195
Butadiene	Ave	0.5080	0.4886		19.2	20.0	96	60-140
Bromomethane	Ave	0.3062	0.3145		20.5	20.0	103	15-185
Ethyl Chloride	Ave	0.2663	0.2609		19.6	20.0	98	40-160
Trichlorofluoromethane	Ave	0.5897	0.6225		21.1	20.0	106	50-150
Acrolein	Ave	2.229	2.089		37.5	40.0	94	10-150
Pentane	Ave	5.077	6.822		53.8	40.0	134	60-140
Ethanol	Ave	0.0684	0.0664		777	800	97	60-140
Ethyl ether	Ave	0.2259	0.2306		20.4	20.0	102	60-140
2-Methyl-1,3-butadiene	Ave	0.3053	0.3465		22.7	20.0	113	60-140
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3135	0.3530		22.5	20.0	113	60-140
1,1-Dichloroethene	Ave	0.3018	0.3179		21.1	20.0	105	50-150
Acetone	Ave	0.2622	0.2487		94.9	100	95	60-140
Isopropyl alcohol	Ave	0.7636	0.8255		216	200	108	60-140
Iodomethane	Ave	0.4146	0.4300		20.7	20.0	104	60-140
Carbon disulfide	Ave	1.054	1.182		22.4	20.0	112	60-140
Methyl acetate	Ave	13.07	13.62		41.7	40.0	104	60-140
3-Chloro-1-propene	Ave	0.2010	0.2160		21.5	20.0	107	60-140
Acetonitrile	Ave	2.365	2.603		220	200	110	60-140
Methylene Chloride	Ave	0.3409	0.3640		21.4	20.0	107	60-140
TBA	Ave	1.340	1.416		211	200	106	60-140
MTBE	Ave	0.7063	0.6803		19.3	20.0	96	60-140
trans-1,2-Dichloroethene	Ave	0.3370	0.3710		22.0	20.0	110	70-130
Acrylonitrile	Ave	0.0668	0.0639		191	200	96	60-140
Hexane	Ave	0.2621	0.3021		23.1	20.0	115	60-140
Isopropyl ether	Ave	1.012	1.002		19.8	20.0	99	60-140
1,1-Dichloroethane	Ave	0.6196	0.6630		21.4	20.0	107	70-130
Vinyl acetate	Ave	4.260	5.088		47.8	40.0	119	60-140
2,2-Dichloropropane	Ave	0.1139	0.1332		23.4	20.0	117	60-140
cis-1,2-Dichloroethene	Ave	0.3774	0.3895		20.6	20.0	103	60-140
Ethyl acetate	Lin2		0.3464		37.9	40.0	95	60-140
2-Butanone	Ave	0.3617	0.3296		91.1	100	91	60-140
Chlorobromomethane	Ave	0.1669	0.1776		21.3	20.0	106	60-140
Tetrahydrofuran	Ave	1.302	1.122		34.5	40.0	86	60-140
Chloroform	Ave	0.6029	0.6473		21.5	20.0	107	70-135
Cyclohexane	Ave	0.5436	0.5828		21.4	20.0	107	60-140
1,1,1-Trichloroethane	Ave	0.5301	0.5482		20.7	20.0	103	70-130
Carbon tetrachloride	Ave	0.4713	0.5247		22.3	20.0	111	70-130

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964280/2 Calibration Date: 03/15/2024 10:03

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A10712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,1-Dichloropropene	Ave	0.4679	0.4768		20.4	20.0	102	60-140
Benzene	Ave	1.579	1.752		22.2	20.0	111	65-135
Isopropyl acetate	Ave	0.1024	0.0905		17.7	20.0	88	60-140
1,2-Dichloroethane	Ave	0.4083	0.4229		20.7	20.0	104	70-130
n-Heptane	Ave	0.1756	0.2255		25.7	20.0	128	60-140
n-Butanol	Ave	0.3220	0.3171		492	500	98	60-140
Trichloroethene	Ave	0.3705	0.3694		19.9	20.0	100	65-135
Ethyl acrylate	Ave	0.0387	0.0392		20.3	20.0	101	60-140
Methylcyclohexane	Ave	0.4982	0.5490		22.0	20.0	110	60-140
1,2-Dichloropropane	Ave	0.3332	0.3403		20.4	20.0	102	35-165
Methyl methacrylate	Ave	0.1505	0.1348		35.8	40.0	90	60-140
1,4-Dioxane	Ave	1.280	1.438		449	400	112	60-140
n-Propyl acetate	Ave	0.2858	0.2444		17.1	20.0	86	60-140
Dibromomethane	Ave	0.1815	0.1834		20.2	20.0	101	60-140
Bromodichloromethane	Ave	0.4615	0.4719		20.5	20.0	102	65-135
2-Chloroethyl vinyl ether	Ave	0.0320	0.0100		6.24	20.0	31	0.1-225
Epichlorohydrin	Ave	0.2543	0.2486		391	400	98	60-140
cis-1,3-Dichloropropene	Ave	0.6302	0.6442		20.4	20.0	102	25-175
4-Methyl-2-pentanone	Ave	2.817	2.739		97.2	100	97	60-140
Toluene	Ave	1.684	1.742		20.7	20.0	103	70-130
trans-1,3-Dichloropropene	Ave	0.5341	0.5194		19.5	20.0	97	50-150
1,1,2-Trichloroethane	Ave	0.2620	0.2600		19.8	20.0	99	70-130
Tetrachloroethene	Ave	0.4481	0.4784		21.3	20.0	107	70-130
1,3-Dichloropropane	Ave	0.5192	0.4932		19.0	20.0	95	60-140
2-Hexanone	Ave	0.9617	0.8988		93.5	100	93	60-140
n-Butyl acetate	Lin2		0.0568		17.5	20.0	88	60-140
Dibromochloromethane	Ave	0.3711	0.3859		20.8	20.0	104	70-135
Ethylene Dibromide	Ave	0.2865	0.2847		19.9	20.0	99	60-140
Chlorobenzene	Ave	1.098	1.100		20.0	20.0	100	65-135
Ethylbenzene	Ave	0.5949	0.5962		20.0	20.0	100	60-140
1,1,1,2-Tetrachloroethane	Ave	0.3677	0.3999		21.8	20.0	109	60-140
m-Xylene & p-Xylene	Ave	0.7334	0.7733		21.1	20.0	105	60-140
n-Butyl acrylate	Ave	0.1971	0.1733		17.6	20.0	88	60-140
o-Xylene	Ave	0.7199	0.7341		20.4	20.0	102	60-140
Styrene	Ave	1.173	1.211		20.6	20.0	103	60-140
Amyl acetate (mixed isomers)	Lin2		0.7616		17.9	20.0	89	60-140
Bromoform	Ave	0.2217	0.2360		21.3	20.0	106	70-130
Isopropylbenzene	Ave	1.814	1.857		20.5	20.0	102	60-140
Bromobenzene	Ave	0.8479	0.8638		20.4	20.0	102	60-140
1,1,2,2-Tetrachloroethane	Ave	0.5569	0.5415		19.4	20.0	97	60-140
N-Propylbenzene	Ave	4.045	4.258		21.1	20.0	105	60-140

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964280/2 Calibration Date: 03/15/2024 10:03

Instrument ID: CVOAMS1 Calib Start Date: 02/15/2024 10:32

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 02/15/2024 12:52

Lab File ID: A10712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,2,3-Trichloropropane	Ave	0.1636	0.1561		19.1	20.0	95	60-140
2-Chlorotoluene	Ave	2.707	2.843		21.0	20.0	105	60-140
1,3,5-Trimethylbenzene	Ave	2.717	2.779		20.5	20.0	102	60-140
4-Chlorotoluene	Ave	2.454	2.571		21.0	20.0	105	60-140
Butyl Methacrylate	Lin2		0.7558		18.8	20.0	94	60-140
tert-Butylbenzene	Ave	2.371	2.406		20.3	20.0	101	60-140
1,2,4-Trimethylbenzene	Ave	2.900	2.848		19.6	20.0	98	60-140
sec-Butylbenzene	Ave	0.6961	0.7402		21.3	20.0	106	60-140
4-Isopropyltoluene	Ave	2.898	3.028		20.9	20.0	104	60-140
1,3-Dichlorobenzene	Ave	1.603	1.738		21.7	20.0	108	70-130
1,4-Dichlorobenzene	Ave	1.660	1.720		20.7	20.0	104	65-135
1,2,3-Trimethylbenzene	Ave	2.863	2.911		20.3	20.0	102	60-140
Benzyl chloride	Ave	1.021	1.187		23.2	20.0	116	60-140
n-Butylbenzene	Ave	1.425	1.493		21.0	20.0	105	60-140
1,2-Dichlorobenzene	Ave	1.469	1.529		20.8	20.0	104	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.1084	0.1035		19.1	20.0	96	60-140
1,2,4-Trichlorobenzene	Ave	0.997	0.9326		18.7	20.0	94	60-140
Hexachlorobutadiene	Ave	0.4156	0.4337		20.9	20.0	104	60-140
Naphthalene	Ave	1.664	1.619		19.5	20.0	97	60-140
1,2,3-Trichlorobenzene	Ave	0.7987	0.7936		19.9	20.0	99	60-140
Dibromofluoromethane (Surr)	Ave	0.2869	0.2885		50.3	50.0	101	55-150
1,2-Dichloroethane-d4 (Surr)	Ave	0.3059	0.3016		49.3	50.0	99	49-149
Toluene-d8 (Surr)	Ave	1.324	1.276		48.2	50.0	96	69-121
Bromofluorobenzene	Ave	0.4296	0.4275		49.7	50.0	99	66-132

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10712.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 15-Mar-2024 10:03:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0173435-002
 Operator ID: Instrument ID: CVOAMS1
 Sublist: chrom-8260624W_1*sub63
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 10:45:36 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 10:45:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	92	22387	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	99	117262	20.0	19.6	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	98	105510	NC	NC	
6 Chloromethane	50	1.746	1.746	0.000	98	107499	20.0	19.4	
7 Vinyl chloride	62	1.828	1.828	0.000	98	91252	20.0	18.2	
172 Butadiene	39	1.852	1.852	0.000	96	96114	20.0	19.2	
9 Bromomethane	94	2.116	2.116	0.000	95	61864	20.0	20.5	
10 Chloroethane	64	2.193	2.193	0.000	98	51326	20.0	19.6	
174 Dichlorofluoromethane	67	2.346	2.346	0.000	98	146766	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	99	122447	20.0	21.1	
13 Pentane	72	2.405	2.405	0.000	95	26676	40.0	53.8	
19 Acrolein	56	2.405	2.405	0.000	28	8167	40.0	37.5	
14 Ethanol	46	2.528	2.528	0.000	97	5193	800.0	777.1	M
15 Ethyl ether	59	2.587	2.587	0.000	96	45362	20.0	20.4	a
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	85	68152	20.0	22.7	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	84	59388	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	96	92035	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	69432	20.0	22.5	
21 1,1-Dichloroethene	96	2.793	2.793	0.000	96	62528	20.0	21.1	
22 Acetone	58	2.875	2.875	0.000	85	14609	100.0	94.9	
24 Isopropyl alcohol	45	2.922	2.922	0.000	98	16140	200.0	216.2	a
23 Iodomethane	142	2.952	2.952	0.000	99	84585	20.0	20.7	
25 Carbon disulfide	76	2.987	2.987	0.000	100	232507	20.0	22.4	
27 Methyl acetate	43	3.093	3.093	0.000	76	53247	40.0	41.7	
161 3-Chloro-1-propene	76	3.099	3.099	0.000	92	42491	20.0	21.5	
166 Cyclopentene	67	3.122	3.122	0.000	93	142339	NC	NC	
29 Acetonitrile	41	3.163	3.163	0.000	95	50891	200.0	220.1	
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	97758	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	95	71601	20.0	21.4	
32 2-Methyl-2-propanol	59	3.246	3.246	0.000	97	27690	200.0	211.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.375	3.375	0.000	97	133817	20.0	19.3	
34 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	93	72977	20.0	22.0	
35 Acrylonitrile	53	3.475	3.475	0.000	93	125743	200.0	191.3	
36 Hexane	43	3.557	3.557	0.000	91	59430	20.0	23.1	
37 Isopropyl ether	45	3.757	3.757	0.000	98	197090	20.0	19.8	
39 Vinyl acetate	86	3.810	3.810	0.000	99	19894	40.0	47.8	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	76	130421	20.0	21.4	
40 2-Chloro-1,3-butadiene	88	3.857	3.857	0.000	92	65074	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	89	165799	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	146833	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.316	0.000	97	26203	20.0	23.4	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	95	76624	20.0	20.6	
46 Ethyl acetate	70	4.346	4.346	0.000	93	8139	40.0	37.9	
45 2-Butanone (MEK)	72	4.352	4.352	0.000	96	19361	100.0	91.1	
47 Methyl acrylate	55	4.404	4.404	0.000	100	31371	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	98	47987	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	87	34944	20.0	21.3	
49 Tetrahydrofuran	42	4.587	4.587	0.000	79	26363	40.0	34.5	
51 Methacrylonitrile	67	4.604	4.604	0.000	95	159264	NC	NC	
52 Chloroform	83	4.628	4.628	0.000	98	127333	20.0	21.5	
53 Cyclohexane	56	4.775	4.775	0.000	93	114654	20.0	21.4	
54 1,1,1-Trichloroethane	97	4.787	4.787	0.000	82	107843	20.0	20.7	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	141899	50.0	50.3	
56 Carbon tetrachloride	117	4.916	4.916	0.000	97	103213	20.0	22.3	
57 1,1-Dichloropropene	75	4.946	4.946	0.000	94	93789	20.0	20.4	
58 Isobutyl alcohol	43	5.040	5.040	0.000	97	27739	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	98	172956	NC	NC	
60 Benzene	78	5.169	5.169	0.000	95	277159	20.0	22.2	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	148302	50.0	49.3	
62 Isopropyl acetate	61	5.193	5.193	0.000	96	17796	20.0	17.7	
63 Tert-amyl methyl ether	87	5.210	5.210	0.000	97	41185	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	97	83185	20.0	20.7	
65 n-Heptane	71	5.310	5.310	0.000	91	44359	20.0	25.7	
* 66 Fluorobenzene	96	5.469	5.469	0.000	98	491786	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	93	15500	500.0	492.4	
68 Trichloroethene	95	5.857	5.857	0.000	96	72659	20.0	19.9	
69 Ethyl acrylate	99	5.975	5.975	0.000	81	7706	20.0	20.3	
70 Methylcyclohexane	83	5.998	5.998	0.000	95	107995	20.0	22.0	
71 1,2-Dichloropropane	63	6.181	6.181	0.000	88	66947	20.0	20.4	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	14309	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.251	0.000	87	53046	40.0	35.8	
75 1,4-Dioxane	88	6.298	6.298	0.000	35	8230	400.0	449.4	
74 n-Propyl acetate	43	6.316	6.316	0.000	98	48076	20.0	17.1	
76 Dibromomethane	93	6.328	6.328	0.000	96	36072	20.0	20.2	
77 Dichlorobromomethane	83	6.487	6.487	0.000	99	92825	20.0	20.5	
78 2-Chloroethyl vinyl ether	63	6.863	6.863	0.000	41	1963	20.0	6.24	
79 2-Nitropropane	41	6.875	6.875	0.000	99	23336	NC	NC	
80 Epichlorohydrin	57	6.993	6.993	0.000	99	58400	400.0	391.1	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	95	101902	20.0	20.4	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	98	160860	100.0	97.2	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	100	504434	50.0	48.2	
84 Toluene	91	7.440	7.440	0.000	93	275515	20.0	20.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 trans-1,3-Dichloropropene	75	7.845	7.845	0.000	97	82153	20.0	19.5	
85 Ethyl methacrylate	69	7.875	7.875	0.000	87	49650	NC	NC	
87 1,1,2-Trichloroethane	83	8.110	8.110	0.000	94	41120	20.0	19.8	
88 Tetrachloroethene	166	8.181	8.181	0.000	95	75664	20.0	21.3	
89 1,3-Dichloropropane	76	8.398	8.398	0.000	96	78019	20.0	19.0	
90 2-Hexanone	58	8.487	8.487	0.000	97	52792	100.0	93.5	
91 n-Butyl acetate	73	8.634	8.634	0.000	99	8978	20.0	17.5	
92 Chlorodibromomethane	129	8.692	8.692	0.000	98	61042	20.0	20.8	
93 Ethylene Dibromide	107	8.881	8.881	0.000	99	45028	20.0	19.9	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	395437	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	173946	20.0	20.0	
96 Ethylbenzene	106	9.522	9.522	0.000	99	94305	20.0	20.0	
97 1,1,1,2-Tetrachloroethane	131	9.539	9.539	0.000	93	63253	20.0	21.8	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	122324	20.0	21.1	
99 n-Butyl acrylate	73	10.010	10.010	0.000	96	27411	20.0	17.6	
100 o-Xylene	106	10.028	10.028	0.000	94	116122	20.0	20.4	
101 Styrene	104	10.051	10.051	0.000	96	191522	20.0	20.6	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	66422	20.0	17.9	
103 Bromoform	173	10.228	10.228	0.000	95	37333	20.0	21.3	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	293689	20.0	20.5	
\$ 105 4-Bromofluorobenzene	174	10.481	10.481	0.000	92	169030	50.0	49.7	
107 Bromobenzene	156	10.592	10.592	0.000	94	75331	20.0	20.4	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	97	47226	20.0	19.4	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	371376	20.0	21.1	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	95	13618	20.0	19.1	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	85	14782	NC	NC	
112 2-Chlorotoluene	91	10.722	10.722	0.000	95	247931	20.0	21.0	
169 4-Ethyltoluene	105	10.728	10.728	0.000	89	301355	NC	NC	
113 1,3,5-Trimethylbenzene	105	10.775	10.775	0.000	94	242348	20.0	20.5	
115 4-Chlorotoluene	91	10.810	10.810	0.000	97	224262	20.0	21.0	
114 Butyl Methacrylate	87	10.839	10.839	0.000	93	65914	20.0	18.8	
116 tert-Butylbenzene	119	10.992	10.992	0.000	94	209802	20.0	20.3	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	98	248370	20.0	19.6	
118 sec-Butylbenzene	134	11.139	11.139	0.000	99	64552	20.0	21.3	
119 4-Isopropyltoluene	119	11.233	11.233	0.000	98	264067	20.0	20.9	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	95	151571	20.0	21.7	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	94	218030	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.304	0.000	94	150033	20.0	20.7	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	98	253849	20.0	20.3	
124 Benzyl chloride	91	11.410	11.410	0.000	99	103525	20.0	23.2	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	93	239315	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	93	158710	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	98	130212	20.0	21.0	
128 1,2-Dichlorobenzene	146	11.569	11.569	0.000	96	133380	20.0	20.8	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	98	219311	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.151	12.151	0.000	93	9028	20.0	19.1	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	97	105534	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	94	81337	20.0	18.7	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	95	37826	20.0	20.9	
134 Naphthalene	128	13.051	13.051	0.000	99	141200	20.0	19.5	
135 1,2,3-Trichlorobenzene	180	13.286	13.286	0.000	95	69214	20.0	19.9	
S 136 1,2-Dichloroethene, Total	100				0		40.0	42.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

S 137 Xylenes, Total	100				0		40.0	41.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

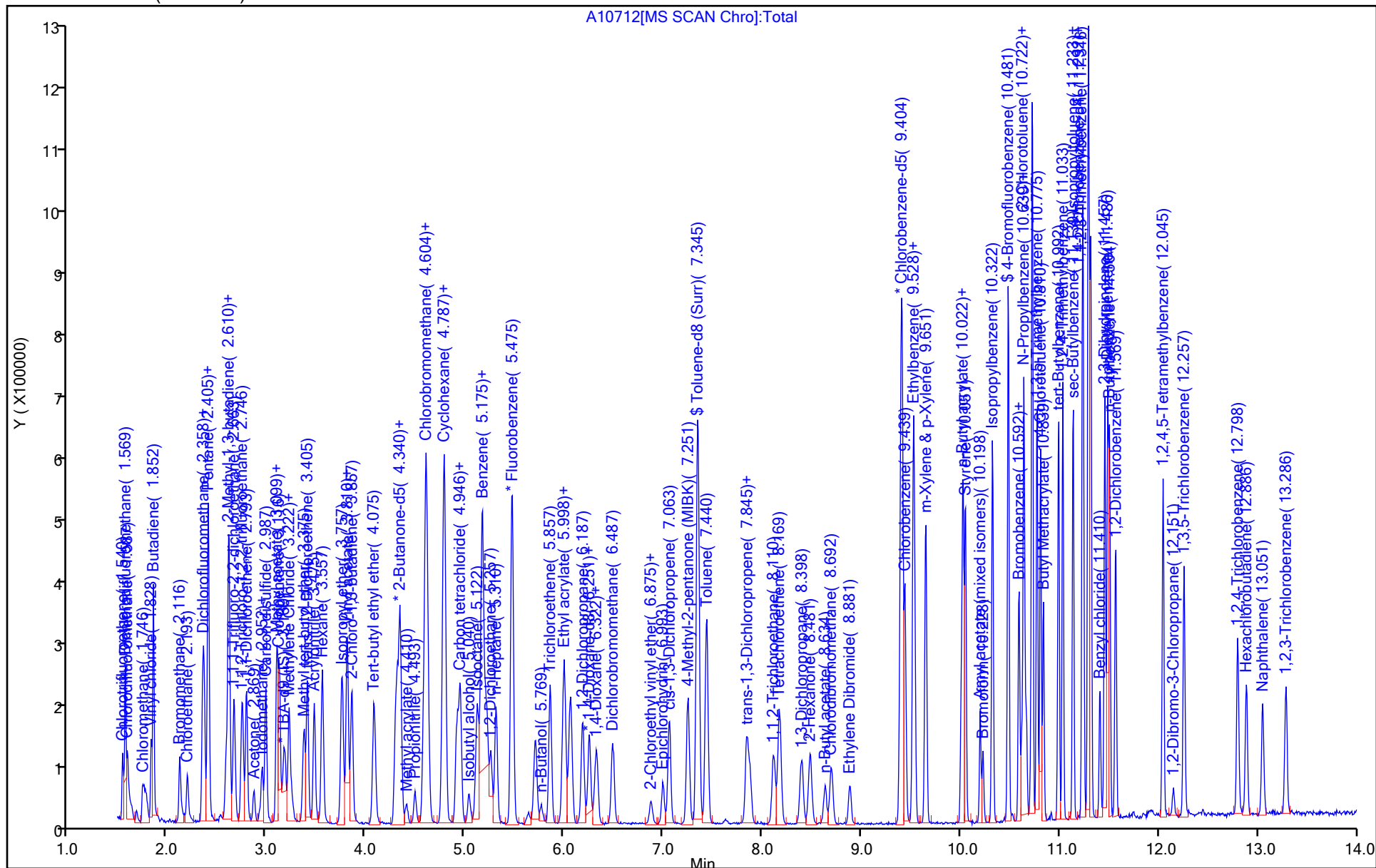
a - User Assigned ID

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Chrom Revision: 2.3 23-Feb-2024 16:51:14

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10712.D
Injection Date: 15-Mar-2024 10:03:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

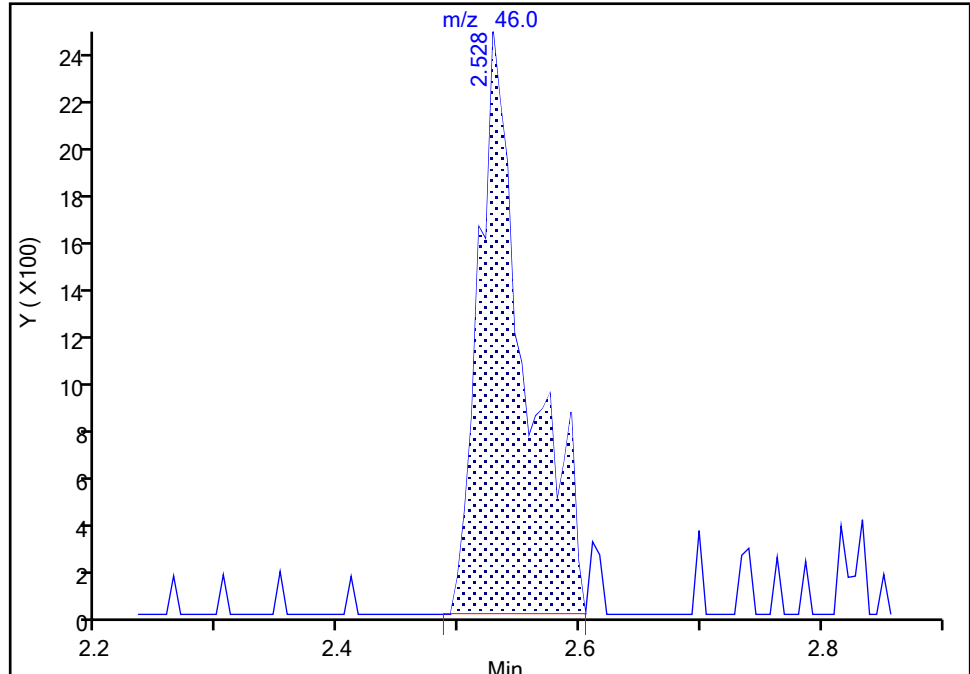
ALS Bottle#: 1 Worklist Smp#: 2
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

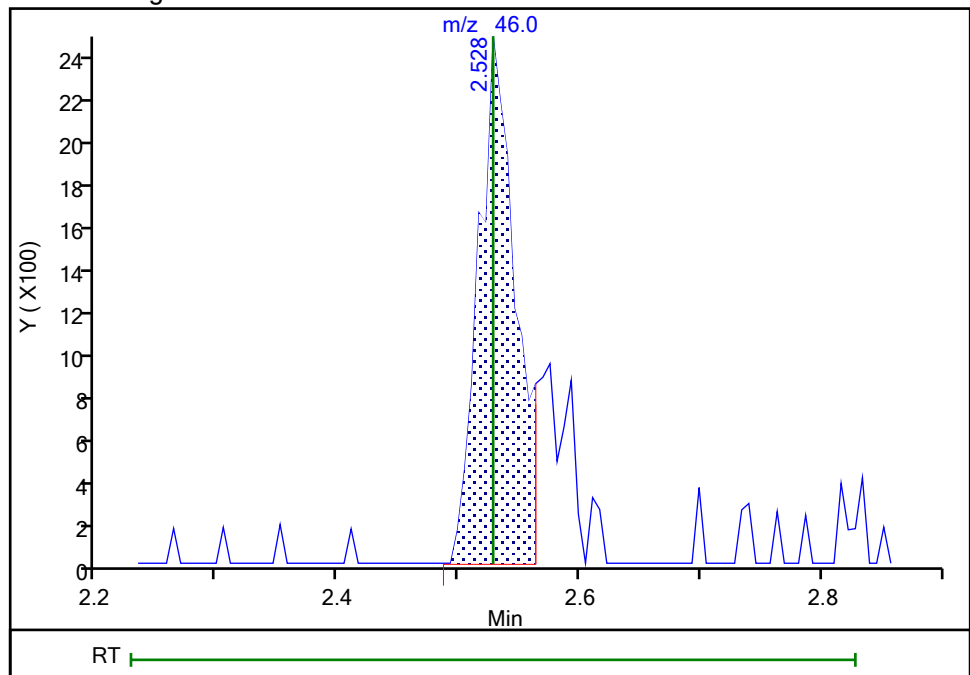
RT: 2.53
Area: 6574
Amount: 983.7965
Amount Units: ug/l

Processing Integration Results



RT: 2.53
Area: 5193
Amount: 777.1304
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 10:45:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10712.D
Injection Date: 15-Mar-2024 10:03:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

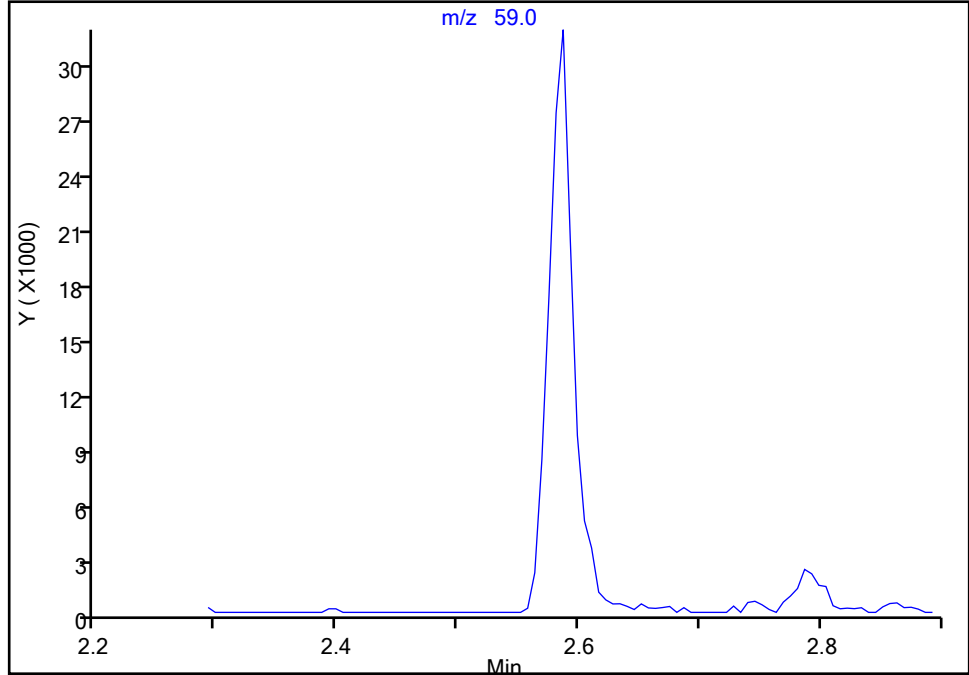
ALS Bottle#: 1 Worklist Smp#: 2
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

15 Ethyl ether, CAS: 60-29-7

Signal: 1

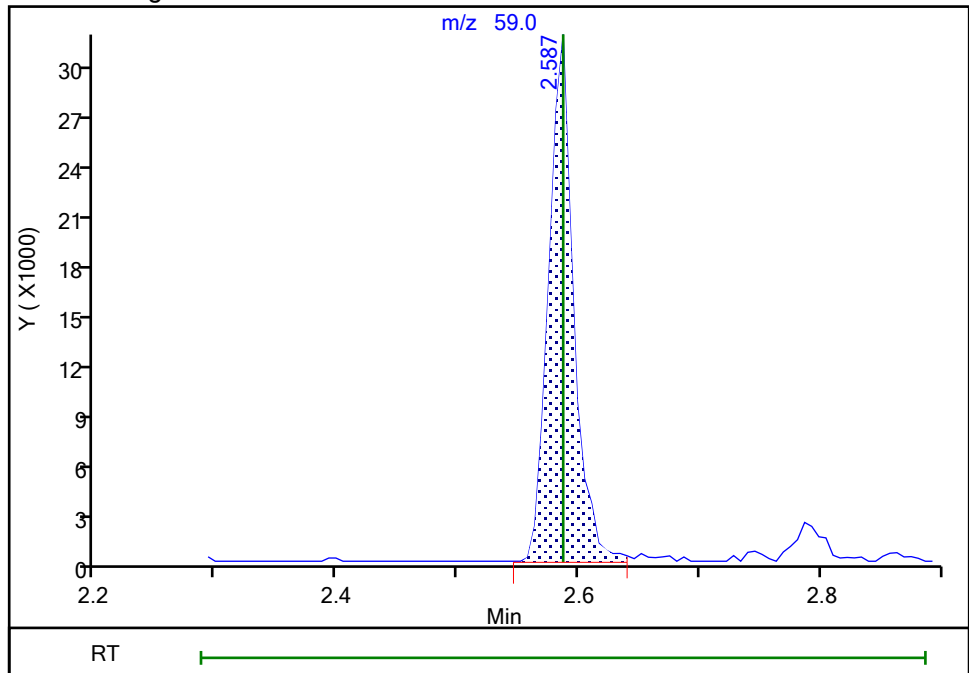
Not Detected
Expected RT: 2.59

Processing Integration Results



RT: 2.59
Area: 45362
Amount: 20.411523
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 10:24:27 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10712.D

Injection Date: 15-Mar-2024 10:03:30

Instrument ID: CVOAMS1

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#:

1

Worklist Smp#:

2

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260624W_1

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

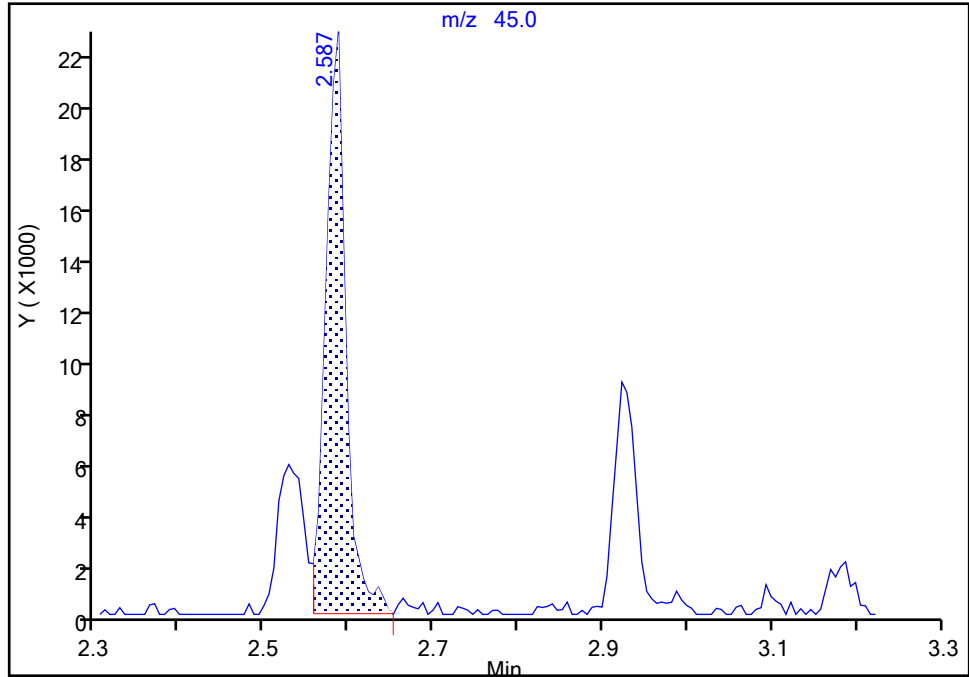
MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

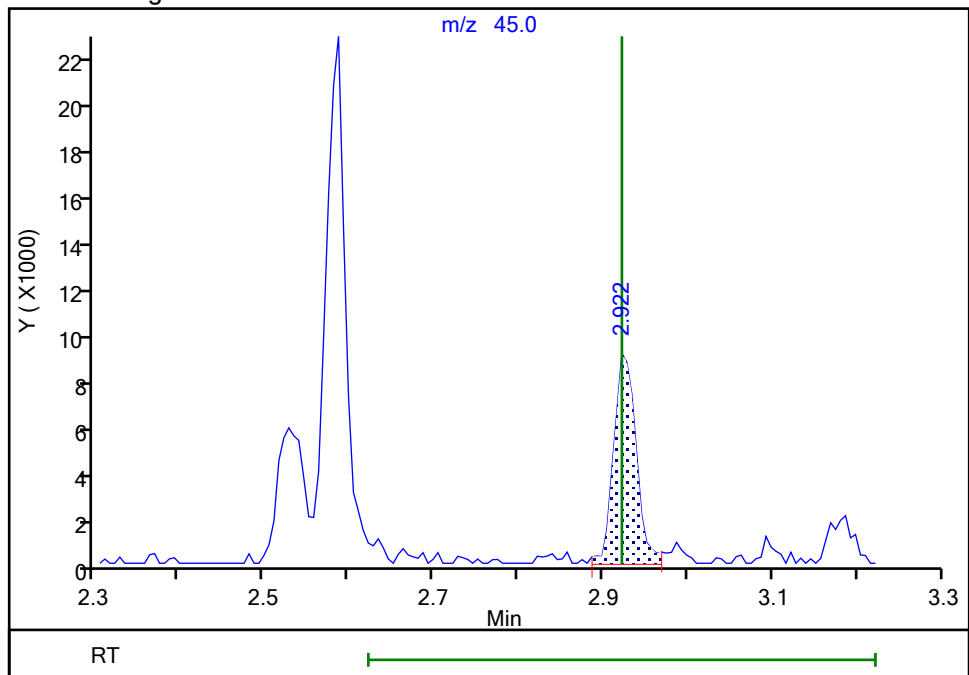
RT: 2.59
Area: 36563
Amount: 489.8360
Amount Units: ug/l

Processing Integration Results



RT: 2.92
Area: 16140
Amount: 216.2282
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 10:25:08 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-953473/18 Calibration Date: 01/05/2024 09:46

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V49198.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.5385	0.5082		18.9	20.0	94	60-140
Chloromethane	Ave	0.6378	0.5875		18.4	20.0	92	0.1-205
Vinyl chloride	Ave	0.6540	0.5949		18.2	20.0	91	5-195
Butadiene	Ave	0.6174	0.5974		19.4	20.0	97	60-140
Bromomethane	Ave	0.3043	0.2486		16.3	20.0	82	15-185
Ethyl Chloride	Ave	0.4092	0.3849		18.8	20.0	94	40-160
Trichlorofluoromethane	Ave	0.6592	0.6695		20.3	20.0	102	50-150
Pentane	Ave	0.0798	0.0908		45.5	40.0	114	60-140
Ethanol	Ave	0.5916	0.5882		796	800	99	60-140
Ethyl ether	Ave	0.2956	0.2654		18.0	20.0	90	60-140
2-Methyl-1,3-butadiene	Ave	0.4828	0.5030		20.8	20.0	104	60-140
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4046	0.4020		19.9	20.0	99	60-140
Acrolein	Ave	0.0378	0.0244		25.6	39.5	65	10-150
1,1-Dichloroethene	Ave	0.3874	0.3727		19.2	20.0	96	50-150
Acetone	Ave	1.444	1.243		86.1	100	86	60-140
Iodomethane	Lin2		0.2652		14.3	20.0	71	60-140
Isopropyl alcohol	Ave	7.770	7.618		196	200	98	60-140
Carbon disulfide	Ave	1.558	1.254		16.1	20.0	81	60-140
3-Chloro-1-propene	Ave	0.3085	0.2858		18.5	20.0	93	60-140
Methyl acetate	Ave	0.3449	0.3342		38.8	40.0	97	60-140
Acetonitrile	Ave	0.4917	0.4955		202	200	101	60-140
Methylene Chloride	Ave	0.4547	0.4252		18.7	20.0	93	60-140
TBA	Ave	15.56	13.08		168	200	84	60-140
MTBE	Ave	1.377	1.309		19.0	20.0	95	60-140
trans-1,2-Dichloroethene	Ave	0.4524	0.4186		18.5	20.0	93	70-130
Acrylonitrile	Ave	0.1518	0.1628		215	200	107	60-140
Hexane	Ave	0.6004	0.6204		20.7	20.0	103	60-140
Isopropyl ether	Ave	1.696	1.618		19.1	20.0	95	60-140
1,1-Dichloroethane	Ave	0.9267	0.8824		19.0	20.0	95	70-130
Vinyl acetate	Ave	10.46	10.67		40.8	40.0	102	60-140
2,2-Dichloropropane	Ave	0.1726	0.1647		19.1	20.0	95	60-140
cis-1,2-Dichloroethene	Ave	0.5012	0.4588		18.3	20.0	92	60-140
2-Butanone	Ave	0.5358	0.4714		88.0	100	88	60-140
Ethyl acetate	Lin2		0.4955		41.5	40.0	104	60-140
Chlorobromomethane	Ave	0.2276	0.2097		18.4	20.0	92	60-140
Tetrahydrofuran	Ave	0.0604	0.0540		35.8	40.0	90	60-140
Chloroform	Ave	0.8252	0.7740		18.8	20.0	94	70-135
Cyclohexane	Ave	0.6765	0.6804		20.1	20.0	101	60-140
1,1,1-Trichloroethane	Ave	0.7350	0.6814		18.5	20.0	93	70-130
Carbon tetrachloride	Ave	0.6137	0.5785		18.9	20.0	94	70-130

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-953473/18 Calibration Date: 01/05/2024 09:46

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V49198.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,1-Dichloropropene	Ave	0.6797	0.6388		18.8	20.0	94	60-140
Benzene	Ave	2.768	2.563		18.5	20.0	93	65-135
Isopropyl acetate	Ave	0.4246	0.4295		20.2	20.0	101	60-140
1,2-Dichloroethane	Ave	0.6774	0.6169		18.2	20.0	91	70-130
n-Heptane	Ave	0.2593	0.2845		21.9	20.0	110	60-140
n-Butanol	Ave	2.705	2.328		430	500	86	60-140
Trichloroethene	Ave	0.4644	0.4640		20.0	20.0	100	65-135
Ethyl acrylate	Ave	0.0668	0.0686		20.6	20.0	103	60-140
Methylcyclohexane	Ave	0.7112	0.7263		20.4	20.0	102	60-140
1,2-Dichloropropane	Ave	0.5122	0.4889		19.1	20.0	95	35-165
Methyl methacrylate	Ave	0.1176	0.1218		41.4	40.0	104	60-140
1,4-Dioxane	Ave	3.033	2.372		313	400	78	60-140
Dibromomethane	Ave	0.2811	0.2769		19.7	20.0	99	60-140
n-Propyl acetate	Ave	0.6392	0.6101		19.1	20.0	95	60-140
Bromodichloromethane	Ave	0.6362	0.5928		18.6	20.0	93	65-135
2-Chloroethyl vinyl ether	Ave	0.2616	0.2607		19.9	20.0	100	0.1-225
Epichlorohydrin	Ave	0.4292	0.4187		19.5	20.0	98	60-140
cis-1,3-Dichloropropene	Ave	1.181	1.044		17.7	20.0	88	25-175
4-Methyl-2-pentanone	Ave	4.657	4.550		97.7	100	98	60-140
Toluene	Ave	2.912	2.631		18.1	20.0	90	70-130
trans-1,3-Dichloropropene	Ave	1.070	1.014		19.0	20.0	95	50-150
1,1,2-Trichloroethane	Ave	0.4762	0.4638		19.5	20.0	97	70-130
Tetrachloroethene	Ave	0.6320	0.6033		19.1	20.0	95	70-130
1,3-Dichloropropane	Ave	1.030	0.9754		18.9	20.0	95	60-140
2-Hexanone	Ave	2.989	2.997		100	100	100	60-140
n-Butyl acetate	Ave	1.007	1.024		20.3	20.0	102	60-140
Dibromochloromethane	Ave	0.6097	0.5698		18.7	20.0	93	70-135
Ethylene Dibromide	Ave	0.5683	0.5452		19.2	20.0	96	60-140
Chlorobenzene	Ave	1.712	1.603		18.7	20.0	94	65-135
Ethylbenzene	Ave	0.9551	0.8981		18.8	20.0	94	60-140
1,1,1,2-Tetrachloroethane	Ave	0.5980	0.5778		19.3	20.0	97	60-140
m-Xylene & p-Xylene	Ave	1.186	1.106		18.7	20.0	93	60-140
o-Xylene	Ave	1.155	1.073		18.6	20.0	93	60-140
n-Butyl acrylate	Ave	0.5164	0.5189		20.1	20.0	100	60-140
Styrene	Ave	1.888	1.793		19.0	20.0	95	60-140
Amyl acetate (mixed isomers)	Ave	2.439	2.640		21.6	20.0	108	60-140
Bromoform	Ave	0.3943	0.3705		18.8	20.0	94	70-130
Isopropylbenzene	Ave	2.894	2.768		19.1	20.0	96	60-140
Bromobenzene	Ave	1.410	1.408		20.0	20.0	100	60-140
1,1,2,2-Tetrachloroethane	Ave	1.563	1.595		20.4	20.0	102	60-140
N-Propylbenzene	Ave	7.232	7.357		20.3	20.0	102	60-140

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: ICV 460-953473/18 Calibration Date: 01/05/2024 09:46

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V49198.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,2,3-Trichloropropane	Ave	0.4534	0.4418		19.5	20.0	97	60-140
2-Chlorotoluene	Ave	5.030	4.801		19.1	20.0	95	60-140
1,3,5-Trimethylbenzene	Ave	5.005	4.705		18.8	20.0	94	60-140
4-Chlorotoluene	Ave	4.868	4.655		19.1	20.0	96	60-140
Butyl Methacrylate	Ave	1.698	1.634		19.2	20.0	96	60-140
tert-Butylbenzene	Ave	4.224	4.008		19.0	20.0	95	60-140
1,2,4-Trimethylbenzene	Ave	4.963	4.716		19.0	20.0	95	60-140
sec-Butylbenzene	Ave	5.899	5.959		20.2	20.0	101	60-140
1,3-Dichlorobenzene	Ave	2.721	2.562		18.8	20.0	94	70-130
4-Isopropyltoluene	Ave	5.019	4.778		19.0	20.0	95	60-140
1,4-Dichlorobenzene	Ave	2.707	2.562		18.9	20.0	95	65-135
1,2,3-Trimethylbenzene	Ave	5.152	4.836		18.8	20.0	94	60-140
Benzyl chloride	Ave	3.037	3.301		21.7	20.0	109	60-140
n-Butylbenzene	Ave	2.453	2.227		18.2	20.0	91	60-140
1,2-Dichlorobenzene	Ave	2.551	2.428		19.0	20.0	95	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.3273	0.3083		18.8	20.0	94	60-140
1,2,4-Trichlorobenzene	Ave	1.504	1.429		19.0	20.0	95	60-140
Hexachlorobutadiene	Ave	0.6048	0.6056		20.0	20.0	100	60-140
Naphthalene	Ave	3.983	3.822		19.2	20.0	96	60-140
1,2,3-Trichlorobenzene	Ave	1.408	1.341		19.0	20.0	95	60-140
Dibromofluoromethane (Surr)	Ave	0.2665	0.2650		49.7	50.0	99	60-140
1,2-Dichloroethane-d4 (Surr)	Ave	0.3324	0.3306		49.7	50.0	99	60-140
Toluene-d8 (Surr)	Ave	1.681	1.685		50.1	50.0	100	60-140
Bromofluorobenzene	Ave	0.4321	0.4520		52.3	50.0	105	60-140

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49198.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 05-Jan-2024 09:46:30 ALS Bottle#: 67 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 460-0170980-018
 Operator ID: Instrument ID: CVOAMS7
 Sublist:
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 08-Jan-2024 11:29:20 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1690

First Level Reviewer: W9CM

Date: 05-Jan-2024 13:30:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.163	1.151	0.012	82	10225	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	98	59220	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	94	79215	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	100	145804	20.0	18.9	
2 Chlorodifluoromethane	67	1.277	1.265	0.012	100	23768	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	168547	20.0	18.4	
7 Vinyl chloride	62	1.448	1.437	0.011	99	170690	20.0	18.2	
8 Butadiene	54	1.460	1.460	0.000	98	171400	20.0	19.4	
9 Bromomethane	94	1.654	1.654	0.000	98	71318	20.0	16.3	
10 Chloroethane	64	1.711	1.711	0.000	100	110440	20.0	18.8	
11 Dichlorofluoromethane	67	1.837	1.825	0.012	99	260851	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	192099	20.0	20.3	
13 Pentane	72	1.871	1.871	0.000	97	52093	40.0	45.5	
17 Ethanol	46	1.974	1.974	0.000	93	19144	800.0	795.5	
14 Ethyl ether	74	2.008	2.008	0.000	97	76160	20.0	18.0	
15 2-Methyl-1,3-butadiene	53	2.031	2.020	0.011	99	144306	20.0	20.8	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.043	2.031	0.012	91	98583	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	97	178962	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	95	115330	20.0	19.9	
52 Acrolein	56	2.145	2.146	-0.001	97	13847	39.5	25.6	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	96	106938	20.0	19.2	
23 Acetone	43	2.225	2.226	-0.001	86	176182	100.0	86.1	
21 Iodomethane	142	2.294	2.294	0.000	98	76100	20.0	14.3	
24 Isopropyl alcohol	45	2.294	2.294	0.000	98	61984	200.0	196.1	
22 Carbon disulfide	76	2.328	2.317	0.011	100	359885	20.0	16.1	
30 Methyl acetate	43	2.420	2.408	0.012	98	191749	40.0	38.8	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	88	82007	20.0	18.5	
25 Cyclopentene	67	2.431	2.431	0.000	94	347974	NC	NC	
27 Acetonitrile	41	2.466	2.454	0.012	96	140436	200.0	201.6	a
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	40680	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	97	121984	20.0	18.7	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	98	106448	200.0	168.2	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	97	375431	20.0	19.0	
33 trans-1,2-Dichloroethene	96	2.671	2.660	0.011	98	120102	20.0	18.5	
35 Acrylonitrile	53	2.717	2.706	0.011	94	467222	200.0	214.6	
36 Hexane	57	2.786	2.786	0.000	93	178008	20.0	20.7	
37 Isopropyl ether	45	2.946	2.946	0.000	98	464135	20.0	19.1	
38 1,1-Dichloroethane	63	2.991	2.991	0.000	67	253185	20.0	19.0	
40 Vinyl acetate	43	2.991	2.991	0.000	100	604686	40.0	40.8	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	126160	NC	NC	
41 Tert-butyl ethyl ether	59	3.220	3.220	0.000	88	443246	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	97	354247	250.0	250.0	
43 2,2-Dichloropropane	97	3.414	3.403	0.011	96	47245	20.0	19.1	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	92	131642	20.0	18.3	
44 2-Butanone (MEK)	72	3.448	3.437	0.011	96	66798	100.0	88.0	
47 Ethyl acetate	70	3.448	3.449	0.000	95	28087	40.0	41.5	
46 Methyl acrylate	55	3.506	3.494	0.012	99	106113	NC	NC	
48 Propionitrile	54	3.563	3.563	0.000	97	173531	NC	NC	
50 Tetrahydrofuran	72	3.643	3.643	0.000	66	31005	40.0	35.8	
54 Methacrylonitrile	67	3.654	3.643	0.011	95	558788	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	96	60169	20.0	18.4	
51 Chloroform	83	3.688	3.689	-0.001	98	222074	20.0	18.8	
53 Cyclohexane	84	3.803	3.803	0.000	93	195206	20.0	20.1	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	195512	20.0	18.5	
\$ 56 Dibromofluoromethane (Surr)	113	3.837	3.837	0.000	96	190097	50.0	49.7	
57 Carbon tetrachloride	117	3.929	3.929	-0.001	97	165989	20.0	18.9	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	94	183286	20.0	18.8	
61 Isobutyl alcohol	43	4.089	4.089	0.000	92	207396	NC	NC	
64 Isooctane	57	4.111	4.100	0.011	98	393729	NC	NC	
59 Benzene	78	4.146	4.134	0.012	98	518557	20.0	18.5	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	98	237117	50.0	49.7	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	91	412211	NC	NC	
66 Isopropyl acetate	87	4.191	4.191	0.000	95	123222	20.0	20.2	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	98	176987	20.0	18.2	
65 n-Heptane	57	4.283	4.283	0.000	96	81615	20.0	21.9	
* 67 Fluorobenzene	96	4.420	4.420	0.000	98	717280	50.0	50.0	
70 n-Butanol	56	4.763	4.763	0.000	90	47350	500.0	430.4	
69 Trichloroethene	95	4.774	4.774	0.000	98	133127	20.0	20.0	
72 Methylcyclohexane	83	4.889	4.877	0.012	82	208388	20.0	20.4	
71 Ethyl acrylate	99	4.889	4.889	0.000	94	19682	20.0	20.6	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	91	140269	20.0	19.1	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	86	23217	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	93	69892	40.0	41.4	
78 1,4-Dioxane	88	5.174	5.174	0.000	38	22028	400.0	312.8	
77 n-Propyl acetate	43	5.197	5.186	0.011	99	175048	20.0	19.1	
75 Dibromomethane	93	5.186	5.186	0.000	96	79434	20.0	19.7	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	170074	20.0	18.6	
34 2-Nitropropane	41	5.677	5.677	0.000	97	91512	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	96	74787	20.0	19.9	
80 Epichlorohydrin	57	5.826	5.803	0.023	97	11867	20.0	19.5	a
81 cis-1,3-Dichloropropene	75	5.872	5.860	0.012	97	211183	20.0	17.7	
84 4-Methyl-2-pentanone (MIBK)	43	6.032	6.032	0.000	98	644744	100.0	97.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	852376	50.0	50.1	
83 Toluene	91	6.192	6.192	0.000	93	532323	20.0	18.1	
85 trans-1,3-Dichloropropene	75	6.603	6.603	0.000	98	205235	20.0	19.0	
86 Ethyl methacrylate	69	6.626	6.626	0.000	91	164180	NC	NC	
87 1,1,2-Trichloroethane	83	6.832	6.832	0.000	94	93848	20.0	19.5	
88 Tetrachloroethene	166	6.866	6.866	0.000	95	122090	20.0	19.1	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	96	197388	20.0	18.9	
91 2-Hexanone	43	7.129	7.129	0.000	97	424713	100.0	100.3	
92 n-Butyl acetate	43	7.277	7.277	0.000	99	207264	20.0	20.3	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	115298	20.0	18.7	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	110322	20.0	19.2	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	88	505900	50.0	50.0	
95 Chlorobenzene	112	8.077	8.078	-0.001	93	324342	20.0	18.7	
97 Ethylbenzene	106	8.180	8.180	0.000	99	181736	20.0	18.8	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.203	-0.011	94	116920	20.0	19.3	
98 m-Xylene & p-Xylene	106	8.329	8.329	0.000	97	223892	20.0	18.7	
100 o-Xylene	106	8.763	8.763	0.000	93	217071	20.0	18.6	
99 n-Butyl acrylate	73	8.775	8.775	0.000	96	105008	20.0	20.1	
101 Styrene	104	8.809	8.798	0.011	94	362820	20.0	19.0	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	90	246779	20.0	21.6	
103 Bromoform	173	9.015	9.015	0.000	57	74968	20.0	18.8	
104 Isopropylbenzene	105	9.140	9.140	0.000	96	560216	20.0	19.1	
\$ 105 4-Bromofluorobenzene	174	9.346	9.346	0.000	0	228690	50.0	52.3	
107 Bromobenzene	156	9.472	9.472	0.000	98	131639	20.0	20.0	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	98	149115	20.0	20.4	
109 N-Propylbenzene	91	9.540	9.541	-0.001	99	687826	20.0	20.3	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	98	41305	20.0	19.5	
112 trans-1,4-Dichloro-2-butene	53	9.598	9.598	0.000	81	42683	NC	NC	a
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	448878	20.0	19.1	
113 4-Ethyltoluene	105	9.655	9.655	0.000	98	566994	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	439892	20.0	18.8	
110 4-Chlorotoluene	91	9.758	9.758	0.000	98	435168	20.0	19.1	
117 Butyl Methacrylate	87	9.826	9.826	0.000	96	152772	20.0	19.2	
118 tert-Butylbenzene	119	9.986	9.986	0.000	93	374686	20.0	19.0	
119 1,2,4-Trimethylbenzene	105	10.055	10.055	0.000	98	440865	20.0	19.0	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	557073	20.0	20.2	
121 4-Isopropyltoluene	119	10.318	10.306	0.012	97	446687	20.0	19.0	
122 1,3-Dichlorobenzene	146	10.318	10.318	0.000	77	239503	20.0	18.8	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	98	233729	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	92	239499	20.0	18.9	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	452162	20.0	18.8	
125 Benzyl chloride	91	10.523	10.523	0.000	98	308591	20.0	21.7	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	95	462798	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	94	269982	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	208225	20.0	18.2	
128 1,2-Dichlorobenzene	146	10.706	10.706	0.000	95	226951	20.0	19.0	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	98	416414	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	94	28827	20.0	18.8	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	155675	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.906	11.906	0.000	93	133639	20.0	19.0	
133 Hexachlorobutadiene	225	11.986	11.986	0.000	92	56618	20.0	20.0	
134 Naphthalene	128	12.089	12.089	0.000	99	357345	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	95	125403	20.0	19.0	
S 136 1,2-Dichloroethene, Total	100				0		40.0	36.8	
S 137 Xylenes, Total	100				0		40.0	37.2	
S 138 1,3-Dichloropropene, Total	1				0		40.0	36.6	
S 139 Total BTEX	1				0		100.0	92.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

7 Freons SS_00009	Amount Added: 20.00	Units: uL	
GAS C SP_00548	Amount Added: 20.00	Units: uL	
8260 SP_00175	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00160	Amount Added: 4.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00243	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49198.D

Injection Date: 05-Jan-2024 09:46:30

Instrument ID: CVOAMS7

Lims ID: ICV

Client ID:

Operator ID:

ALS Bottle#:

67

Worklist Smp#:

18

Purge Vol: 5.000 mL

Dil. Factor:

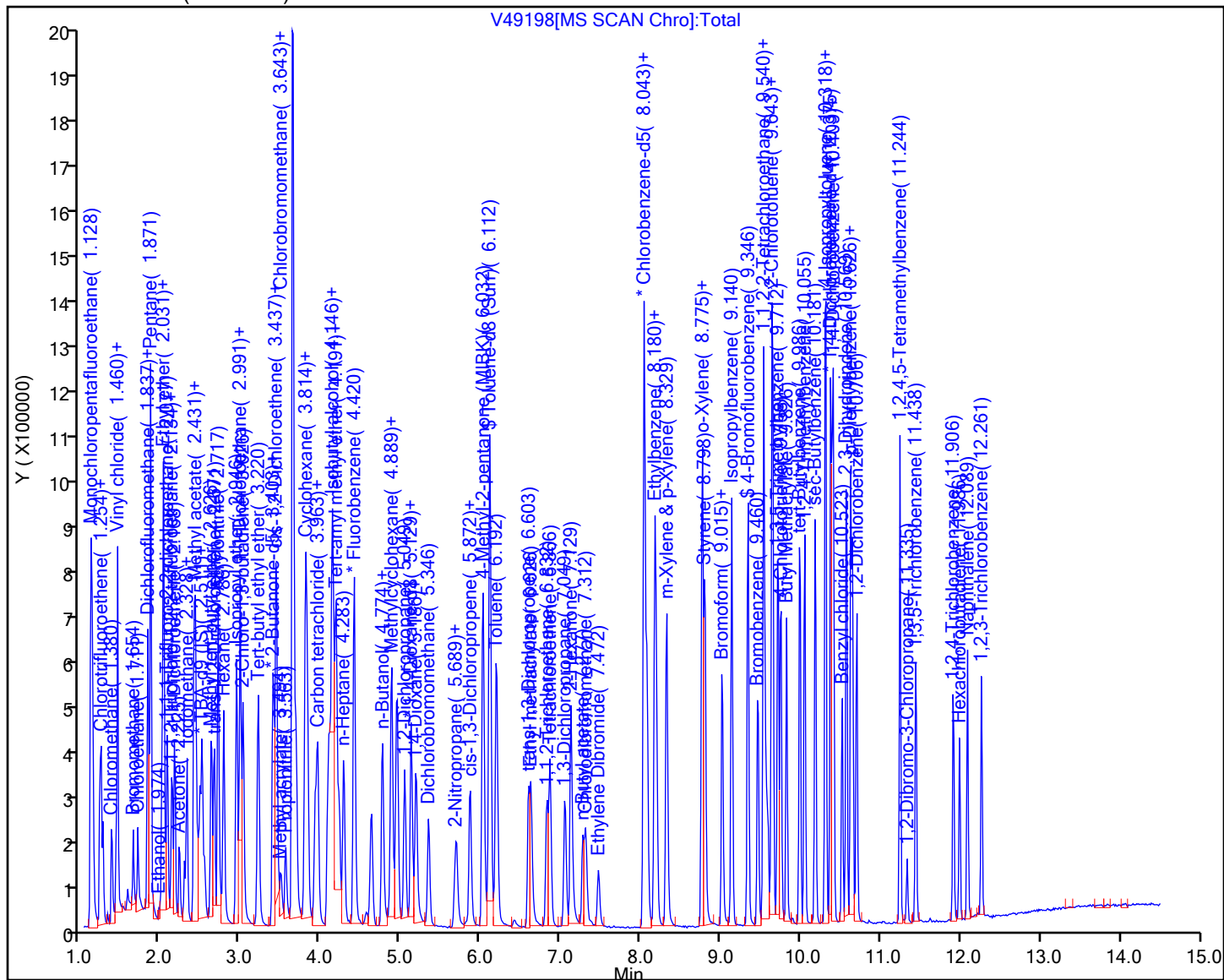
1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49198.D
Injection Date: 05-Jan-2024 09:46:30 Instrument ID: CVOAMS7
Lims ID: ICV
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

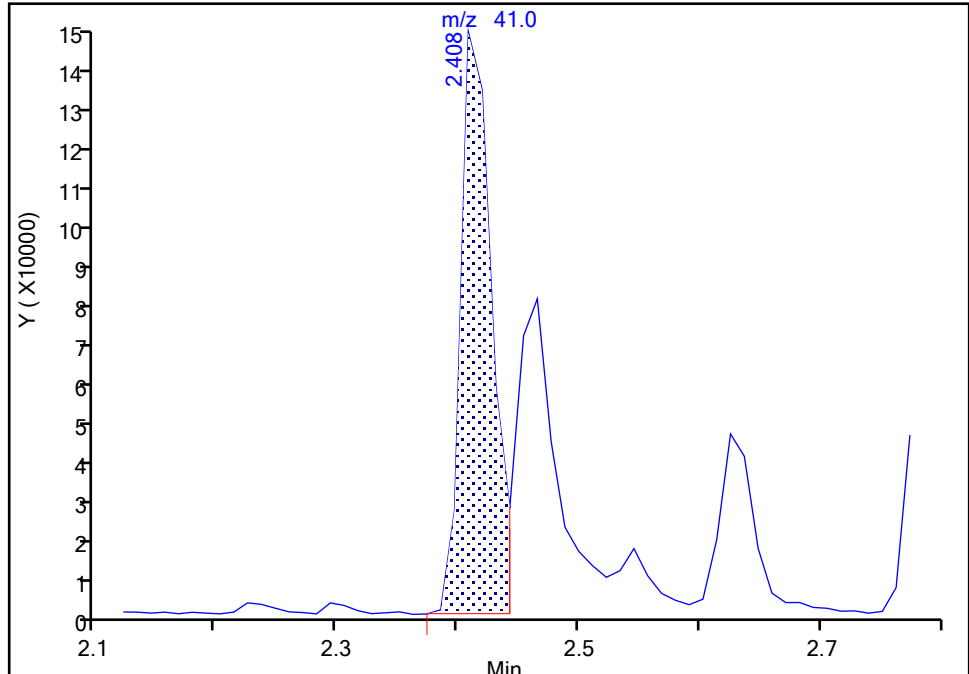
ALS Bottle#: 67 Worklist Smp#: 18
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

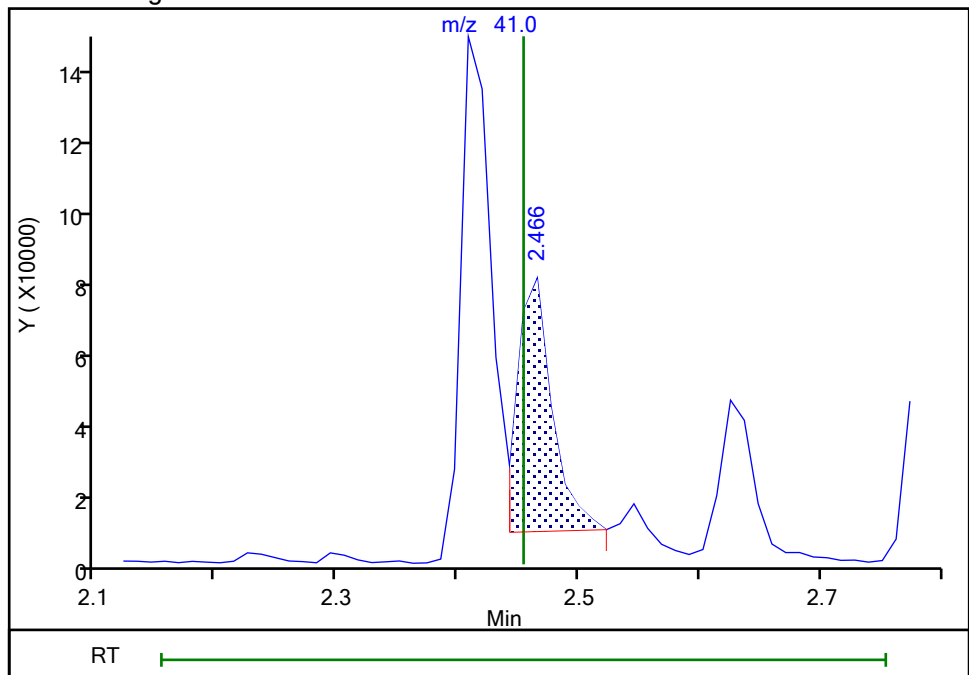
RT: 2.41
Area: 263595
Amount: 370.8029
Amount Units: ug/l

Processing Integration Results



RT: 2.47
Area: 140436
Amount: 201.5741
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 13:29:33 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49198.D

Injection Date: 05-Jan-2024 09:46:30

Instrument ID: CVOAMS7

Lims ID: ICV

Client ID:

Operator ID:

ALS Bottle#:

67

Worklist Smp#:

18

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector

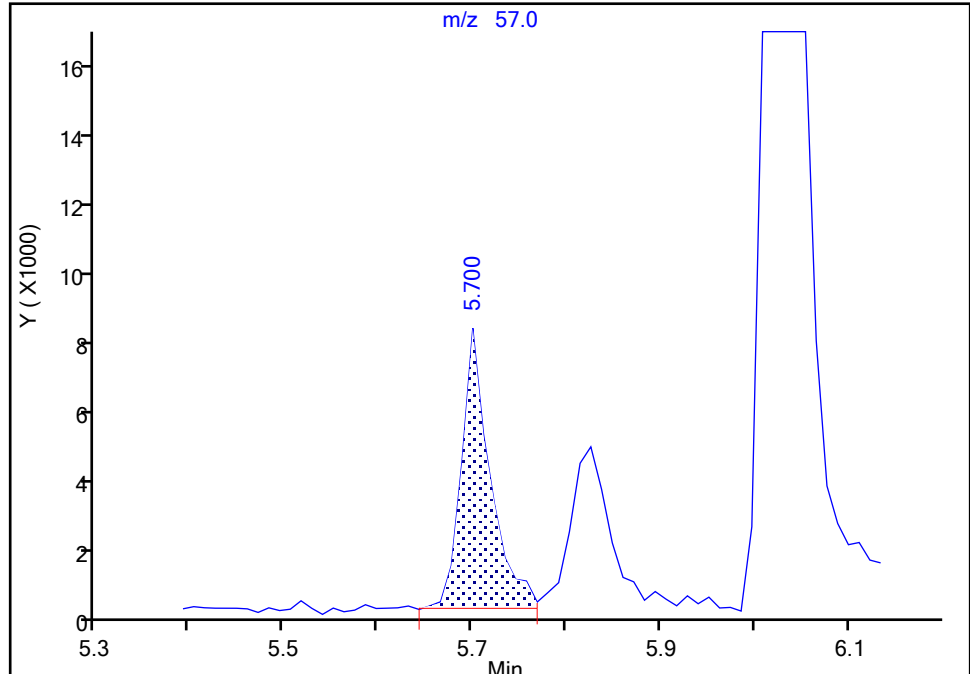
MS Quad

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

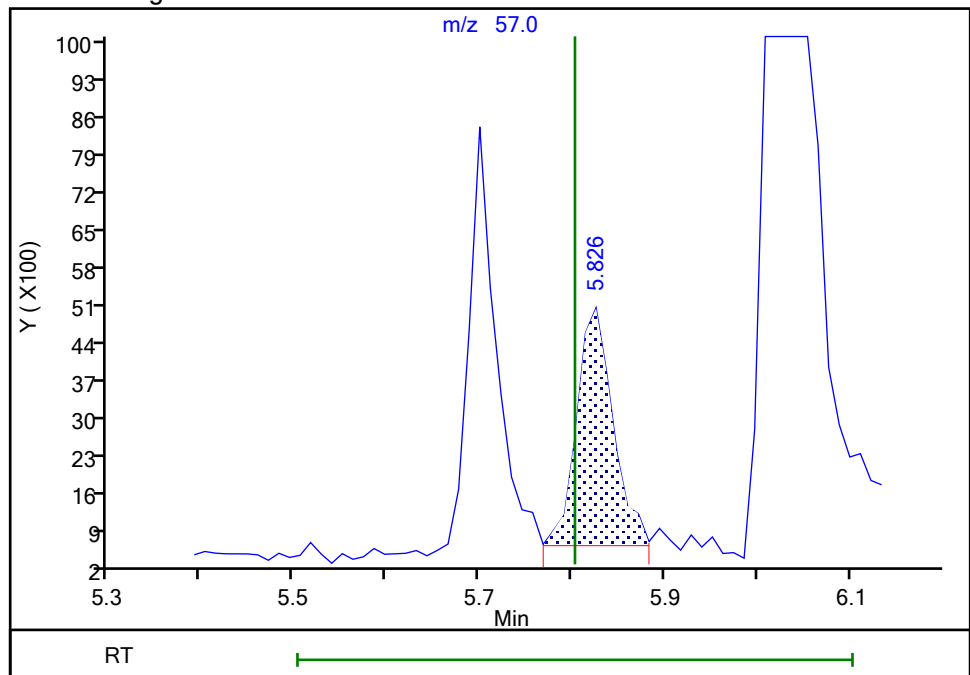
RT: 5.70
Area: 17152
Amount: 28.201991
Amount Units: ug/l

Processing Integration Results



RT: 5.83
Area: 11867
Amount: 19.512187
Amount Units: ug/l

Manual Integration Results



Reviewer: W9CM, 05-Jan-2024 13:46:51 -05:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964128/3 Calibration Date: 03/14/2024 19:51

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V51767.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
Dichlorodifluoromethane	Ave	0.5385	0.6336		23.5	20.0	118	60-140
Chloromethane	Ave	0.6378	0.7042		22.1	20.0	110	0.1-205
Vinyl chloride	Ave	0.6540	0.6225		19.0	20.0	95	5-195
Butadiene	Ave	0.6174	0.6059		19.6	20.0	98	60-140
Bromomethane	Ave	0.3043	0.2501		16.4	20.0	82	15-185
Ethyl Chloride	Ave	0.4092	0.3737		18.3	20.0	91	40-160
Trichlorofluoromethane	Ave	0.6592	0.6640		20.1	20.0	101	50-150
Pentane	Ave	0.0798	0.0859		43.1	40.0	108	60-140
Ethanol	Ave	0.5916	0.8534		1150	800	144 *	60-140
Ethyl ether	Ave	0.2956	0.2717		18.4	20.0	92	60-140
2-Methyl-1,3-butadiene	Ave	0.4828	0.4807		19.9	20.0	100	60-140
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4046	0.4135		20.4	20.0	102	60-140
Acrolein	Ave	0.0378	0.0314		33.3	40.0	83	10-150
1,1-Dichloroethene	Ave	0.3874	0.3709		19.1	20.0	96	50-150
Acetone	Ave	1.444	1.321		91.5	100	92	60-140
Iodomethane	Lin2		0.3574		19.0	20.0	95	60-140
Isopropyl alcohol	Ave	7.770	8.018		206	200	103	60-140
Carbon disulfide	Ave	1.558	1.435		18.4	20.0	92	60-140
3-Chloro-1-propene	Ave	0.3085	0.3213		20.8	20.0	104	60-140
Methyl acetate	Ave	0.3449	0.3333		38.7	40.0	97	60-140
Acetonitrile	Ave	0.4917	0.5729		233	200	117	60-140
Methylene Chloride	Ave	0.4547	0.4834		21.3	20.0	106	60-140
TBA	Ave	15.56	13.43		173	200	86	60-140
MTBE	Ave	1.377	1.282		18.6	20.0	93	60-140
trans-1,2-Dichloroethene	Ave	0.4524	0.4553		20.1	20.0	101	70-130
Acrylonitrile	Ave	0.1518	0.1631		215	200	108	60-140
Hexane	Ave	0.6004	0.6828		22.7	20.0	114	60-140
Isopropyl ether	Ave	1.696	1.829		21.6	20.0	108	60-140
1,1-Dichloroethane	Ave	0.9267	0.9485		20.5	20.0	102	70-130
Vinyl acetate	Ave	10.46	12.16		46.5	40.0	116	60-140
2,2-Dichloropropane	Ave	0.1726	0.1565		18.1	20.0	91	60-140
2-Butanone	Ave	0.5358	0.5006		93.4	100	93	60-140
cis-1,2-Dichloroethene	Ave	0.5012	0.4974		19.8	20.0	99	60-140
Ethyl acetate	Lin2		0.4878		40.8	40.0	102	60-140
Chlorobromomethane	Ave	0.2276	0.2185		19.2	20.0	96	60-140
Tetrahydrofuran	Ave	0.0604	0.0497		32.9	40.0	82	60-140
Chloroform	Ave	0.8252	0.8148		19.7	20.0	99	70-135
Cyclohexane	Ave	0.6765	0.6973		20.6	20.0	103	60-140
1,1,1-Trichloroethane	Ave	0.7350	0.6701		18.2	20.0	91	70-130
Carbon tetrachloride	Ave	0.6137	0.5428		17.7	20.0	88	70-130

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964128/3 Calibration Date: 03/14/2024 19:51

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V51767.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,1-Dichloropropene	Ave	0.6797	0.6774		19.9	20.0	100	60-140
Benzene	Ave	2.768	2.771		20.0	20.0	100	65-135
Isopropyl acetate	Ave	0.4246	0.3827		18.0	20.0	90	60-140
1,2-Dichloroethane	Ave	0.6774	0.6477		19.1	20.0	96	70-130
n-Heptane	Ave	0.2593	0.2806		21.6	20.0	108	60-140
Trichloroethene	Ave	0.4644	0.4561		19.6	20.0	98	65-135
n-Butanol	Ave	2.705	1.531		283	500	57*	60-140
Methylcyclohexane	Ave	0.7112	0.7091		19.9	20.0	100	60-140
Ethyl acrylate	Ave	0.0668	0.0584		17.5	20.0	87	60-140
1,2-Dichloropropane	Ave	0.5122	0.5021		19.6	20.0	98	35-165
Methyl methacrylate	Ave	0.1176	0.1054		35.9	40.0	90	60-140
1,4-Dioxane	Ave	3.033	2.345		309	400	77	60-140
Dibromomethane	Ave	0.2811	0.2658		18.9	20.0	95	60-140
n-Propyl acetate	Ave	0.6392	0.6669		20.9	20.0	104	60-140
Bromodichloromethane	Ave	0.6362	0.6094		19.2	20.0	96	65-135
2-Chloroethyl vinyl ether	Ave	0.2616	0.2675		20.5	20.0	102	0.1-225
Epichlorohydrin	Ave	0.4292	0.4490		418	400	105	60-140
cis-1,3-Dichloropropene	Ave	1.181	1.162		19.7	20.0	98	25-175
4-Methyl-2-pentanone	Ave	4.657	5.145		110	100	110	60-140
Toluene	Ave	2.912	2.832		19.4	20.0	97	70-130
trans-1,3-Dichloropropene	Ave	1.070	1.004		18.8	20.0	94	50-150
1,1,2-Trichloroethane	Ave	0.4762	0.4742		19.9	20.0	100	70-130
Tetrachloroethene	Ave	0.6320	0.5874		18.6	20.0	93	70-130
1,3-Dichloropropane	Ave	1.030	1.055		20.5	20.0	102	60-140
2-Hexanone	Ave	2.989	3.098		104	100	104	60-140
n-Butyl acetate	Ave	1.007	1.044		20.7	20.0	104	60-140
Dibromochloromethane	Ave	0.6097	0.5496		18.0	20.0	90	70-135
Ethylene Dibromide	Ave	0.5683	0.5402		19.0	20.0	95	60-140
Chlorobenzene	Ave	1.712	1.717		20.1	20.0	100	65-135
Ethylbenzene	Ave	0.9551	0.9246		19.4	20.0	97	60-140
1,1,1,2-Tetrachloroethane	Ave	0.5980	0.5642		18.9	20.0	94	60-140
m-Xylene & p-Xylene	Ave	1.186	1.133		19.1	20.0	96	60-140
o-Xylene	Ave	1.155	1.131		19.6	20.0	98	60-140
n-Butyl acrylate	Ave	0.5164	0.4292		16.6	20.0	83	60-140
Styrene	Ave	1.888	1.774		18.8	20.0	94	60-140
Amyl acetate (mixed isomers)	Ave	2.439	2.472		20.3	20.0	101	60-140
Bromoform	Ave	0.3943	0.3036		15.4	20.0	77	70-130
Isopropylbenzene	Ave	2.894	2.798		19.3	20.0	97	60-140
Bromobenzene	Ave	1.410	1.406		20.0	20.0	100	60-140
1,1,2,2-Tetrachloroethane	Ave	1.563	1.428		18.3	20.0	91	60-140
N-Propylbenzene	Ave	7.232	7.335		20.3	20.0	101	60-140

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Lab Sample ID: CCVIS 460-964128/3 Calibration Date: 03/14/2024 19:51

Instrument ID: CVOAMS7 Calib Start Date: 01/04/2024 23:54

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 01/05/2024 09:04

Lab File ID: V51767.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,2,3-Trichloropropane	Ave	0.4534	0.4030		17.8	20.0	89	60-140
2-Chlorotoluene	Ave	5.030	4.929		19.6	20.0	98	60-140
1,3,5-Trimethylbenzene	Ave	5.005	4.853		19.4	20.0	97	60-140
4-Chlorotoluene	Ave	4.868	4.658		19.1	20.0	96	60-140
Butyl Methacrylate	Ave	1.698	1.453		17.1	20.0	86	60-140
tert-Butylbenzene	Ave	4.224	4.045		19.2	20.0	96	60-140
1,2,4-Trimethylbenzene	Ave	4.963	4.951		20.0	20.0	100	60-140
sec-Butylbenzene	Ave	5.899	5.841		19.8	20.0	99	60-140
1,3-Dichlorobenzene	Ave	2.721	2.687		19.7	20.0	99	70-130
4-Isopropyltoluene	Ave	5.019	4.840		19.3	20.0	96	60-140
1,4-Dichlorobenzene	Ave	2.707	2.584		19.1	20.0	95	65-135
1,2,3-Trimethylbenzene	Ave	5.152	5.026		19.5	20.0	98	60-140
Benzyl chloride	Ave	3.037	2.338		15.4	20.0	77	60-140
n-Butylbenzene	Ave	2.453	2.293		18.7	20.0	93	60-140
1,2-Dichlorobenzene	Ave	2.551	2.483		19.5	20.0	97	65-135
1,2-Dibromo-3-Chloropropane	Ave	0.3273	0.2281		13.9	20.0	70	60-140
1,2,4-Trichlorobenzene	Ave	1.504	1.399		18.6	20.0	93	60-140
Hexachlorobutadiene	Ave	0.6048	0.5183		17.1	20.0	86	60-140
Naphthalene	Ave	3.983	3.801		19.1	20.0	95	60-140
1,2,3-Trichlorobenzene	Ave	1.408	1.273		18.1	20.0	90	60-140
Dibromofluoromethane (Surr)	Ave	0.2665	0.2689		50.5	50.0	101	55-150
1,2-Dichloroethane-d4 (Surr)	Ave	0.3324	0.3200		48.1	50.0	96	49-149
Toluene-d8 (Surr)	Ave	1.681	1.720		51.2	50.0	102	69-121
Bromofluorobenzene	Ave	0.4321	0.4128		47.8	50.0	96	66-132

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51767.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 14-Mar-2024 19:51:30 ALS Bottle#: 52 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0173397-003
 Operator ID: Instrument ID: CVOAMS7
 Sublist: chrom-8260W_7*sub7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:24:45 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 20:11:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.163	1.163	0.000	70	8798	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	96	46646	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	91	96824	NC	NC	
5 Dichlorodifluoromethane	85	1.254	1.254	0.000	100	280203	20.0	23.5	
2 Chlorodifluoromethane	67	1.265	1.265	0.000	100	37262	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	311386	20.0	22.1	
7 Vinyl chloride	62	1.437	1.437	0.000	99	275293	20.0	19.0	
8 Butadiene	54	1.460	1.460	0.000	97	267946	20.0	19.6	
9 Bromomethane	94	1.654	1.654	0.000	98	110578	20.0	16.4	
10 Chloroethane	64	1.711	1.711	0.000	99	165247	20.0	18.3	
11 Dichlorofluoromethane	67	1.825	1.825	0.000	98	426329	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	99	293615	20.0	20.1	
13 Pentane	72	1.871	1.871	0.000	98	75966	40.0	43.1	
17 Ethanol	46	1.974	1.974	0.000	96	30912	800.0	1154.0	
14 Ethyl ether	74	2.008	2.008	0.000	95	120163	20.0	18.4	
15 2-Methyl-1,3-butadiene	53	2.031	2.031	0.000	97	212584	20.0	19.9	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	86	162796	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	279652	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	94	182858	20.0	20.4	
52 Acrolein	56	2.145	2.145	0.000	98	27770	40.0	33.3	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	94	164024	20.0	19.1	
23 Acetone	43	2.225	2.225	0.000	85	251514	100.0	91.5	
21 Iodomethane	142	2.294	2.294	0.000	98	158046	20.0	19.0	
24 Isopropyl alcohol	45	2.294	2.294	0.000	53	72613	200.0	206.4	
22 Carbon disulfide	76	2.317	2.317	0.000	100	634534	20.0	18.4	
30 Methyl acetate	43	2.408	2.408	0.000	99	294787	40.0	38.7	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	95	142068	20.0	20.8	
25 Cyclopentene	67	2.431	2.431	0.000	94	472416	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	96	218118	200.0	233.0	a
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	99	45280	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Methylene Chloride	84	2.511	2.511	0.000	98	213778	20.0	21.3	
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	99	121619	200.0	172.7	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	98	566713	20.0	18.6	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	201345	20.0	20.1	
35 Acrylonitrile	53	2.706	2.706	0.000	93	721420	200.0	215.0	
36 Hexane	57	2.786	2.786	0.000	95	301918	20.0	22.7	
37 Isopropyl ether	45	2.946	2.946	0.000	96	808848	20.0	21.6	
38 1,1-Dichloroethane	63	2.980	2.980	0.000	99	419414	20.0	20.5	
40 Vinyl acetate	43	2.991	2.991	0.000	100	925678	40.0	46.5	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	183257	NC	NC	
41 Tert-butyl ethyl ether	59	3.208	3.208	0.000	88	673093	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	99	475889	250.0	250.0	
43 2,2-Dichloropropane	97	3.403	3.403	0.000	96	69202	20.0	18.1	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	93	219935	20.0	19.8	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	95	95301	100.0	93.4	
47 Ethyl acetate	70	3.448	3.448	0.000	94	37140	40.0	40.8	
46 Methyl acrylate	55	3.494	3.494	0.000	99	145205	NC	NC	
48 Propionitrile	54	3.563	3.563	0.000	98	247881	NC	NC	
54 Methacrylonitrile	67	3.643	3.643	0.000	96	815071	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	98	96634	20.0	19.2	
50 Tetrahydrofuran	72	3.643	3.643	0.000	48	43948	40.0	32.9	a
51 Chloroform	83	3.688	3.688	0.000	98	360325	20.0	19.7	
53 Cyclohexane	84	3.803	3.803	0.000	96	308358	20.0	20.6	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	98	296335	20.0	18.2	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	95	297307	50.0	50.5	
57 Carbon tetrachloride	117	3.929	3.929	0.000	98	240037	20.0	17.7	
58 1,1-Dichloropropene	75	3.963	3.963	0.000	95	299556	20.0	19.9	
61 Isobutyl alcohol	43	4.089	4.089	0.000	57	263458	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	98	599082	NC	NC	
59 Benzene	78	4.134	4.134	0.000	98	850239	20.0	20.0	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	353720	50.0	48.1	
66 Isopropyl acetate	87	4.191	4.191	0.000	96	169249	20.0	18.0	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	92	590761	NC	NC	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	286413	20.0	19.1	
65 n-Heptane	57	4.283	4.283	0.000	98	124079	20.0	21.6	
* 67 Fluorobenzene	96	4.409	4.409	0.000	98	1105515	50.0	50.0	
69 Trichloroethene	95	4.763	4.763	0.000	98	201711	20.0	19.6	
70 n-Butanol	56	4.786	4.786	0.000	22	34668	500.0	283.1	a
72 Methylcyclohexane	83	4.877	4.877	0.000	89	313552	20.0	19.9	
71 Ethyl acrylate	99	4.889	4.889	0.000	96	25816	20.0	17.5	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	89	222028	20.0	19.6	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	45	32725	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	95	93225	40.0	35.9	
78 1,4-Dioxane	88	5.174	5.174	0.000	36	30690	400.0	309.2	
75 Dibromomethane	93	5.186	5.186	0.000	97	117526	20.0	18.9	
77 n-Propyl acetate	43	5.197	5.197	0.000	98	294919	20.0	20.9	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	269488	20.0	19.2	
34 2-Nitropropane	41	5.677	5.677	0.000	98	91327	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	99	118596	20.0	20.5	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	341911	400.0	418.5	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	96	356383	20.0	19.7	
84 4-Methyl-2-pentanone (MIBK)	43	6.020	6.020	0.000	99	979379	100.0	110.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	1319576	50.0	51.2	
83 Toluene	91	6.192	6.192	0.000	94	868832	20.0	19.4	
85 trans-1,3-Dichloropropene	75	6.592	6.592	0.000	98	308178	20.0	18.8	
86 Ethyl methacrylate	69	6.626	6.626	0.000	92	237251	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.820	0.000	94	145498	20.0	19.9	
88 Tetrachloroethene	166	6.866	6.866	0.000	97	180212	20.0	18.6	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	97	323580	20.0	20.5	
91 2-Hexanone	43	7.129	7.129	0.000	99	589756	100.0	103.6	
92 n-Butyl acetate	43	7.277	7.277	0.000	98	320423	20.0	20.7	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	168631	20.0	18.0	
93 Ethylene Dibromide	107	7.472	7.472	0.000	99	165752	20.0	19.0	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	87	767030	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	93	526710	20.0	20.1	
97 Ethylbenzene	106	8.169	8.169	0.000	99	283680	20.0	19.4	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.192	0.000	94	173112	20.0	18.9	
98 m-Xylene & p-Xylene	106	8.318	8.318	0.000	98	347686	20.0	19.1	
100 o-Xylene	106	8.763	8.763	0.000	93	346911	20.0	19.6	
99 n-Butyl acrylate	73	8.775	8.775	0.000	95	131690	20.0	16.6	
101 Styrene	104	8.798	8.798	0.000	94	544299	20.0	18.8	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	89	354132	20.0	20.3	
103 Bromoform	173	9.015	9.015	0.000	94	93145	20.0	15.4	
104 Isopropylbenzene	105	9.140	9.140	0.000	96	858552	20.0	19.3	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	316629	50.0	47.8	
107 Bromobenzene	156	9.460	9.460	0.000	95	201439	20.0	20.0	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	96	204592	20.0	18.3	
109 N-Propylbenzene	91	9.541	9.541	0.000	99	1050848	20.0	20.3	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	96	57726	20.0	17.8	
112 trans-1,4-Dichloro-2-butene	53	9.586	9.586	0.000	90	54217	NC	NC	
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	706072	20.0	19.6	
113 4-Ethyltoluene	105	9.643	9.643	0.000	98	845102	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	695201	20.0	19.4	
110 4-Chlorotoluene	91	9.746	9.746	0.000	99	667348	20.0	19.1	
117 Butyl Methacrylate	87	9.826	9.826	0.000	95	208166	20.0	17.1	
118 tert-Butylbenzene	119	9.986	9.986	0.000	94	579492	20.0	19.2	
119 1,2,4-Trimethylbenzene	105	10.043	10.043	0.000	98	709228	20.0	20.0	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	836711	20.0	19.8	
121 4-Isopropyltoluene	119	10.306	10.306	0.000	98	693389	20.0	19.3	
122 1,3-Dichlorobenzene	146	10.306	10.306	0.000	73	384930	20.0	19.7	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	358143	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	92	370185	20.0	19.1	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	719992	20.0	19.5	
125 Benzyl chloride	91	10.512	10.512	0.000	98	334969	20.0	15.4	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	94	694375	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	93	391314	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	328455	20.0	18.7	
128 1,2-Dichlorobenzene	146	10.695	10.695	0.000	95	355665	20.0	19.5	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	97	610698	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	95	32682	20.0	13.9	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	97	226110	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.906	11.906	0.000	93	200401	20.0	18.6	
133 Hexachlorobutadiene	225	11.986	11.986	0.000	92	74246	20.0	17.1	
134 Naphthalene	128	12.089	12.089	0.000	99	544592	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	96	182318	20.0	18.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.0	
S 137 Xylenes, Total	100				0		40.0	38.7	
S 138 1,3-Dichloropropene, Total	1				0		40.0	38.4	
S 139 Total BTEX	1				0		100.0	97.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51767.D

Injection Date: 14-Mar-2024 19:51:30

Instrument ID: CVOAMS7

Lims ID: CCVIS

Client ID:

Operator ID:

ALS Bottle#: 52

Worklist Smp#: 3

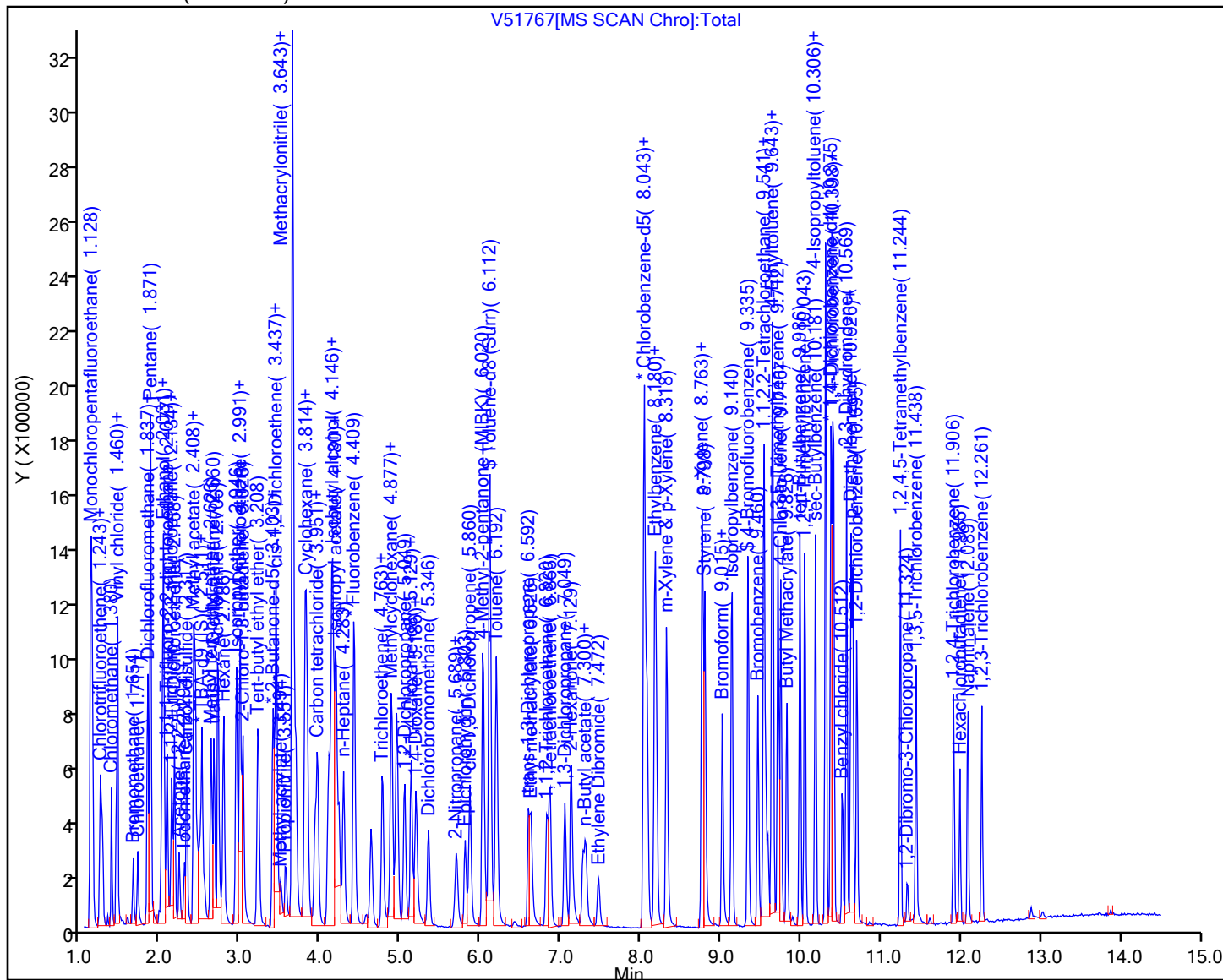
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W 7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51767.D
Injection Date: 14-Mar-2024 19:51:30 Instrument ID: CVOAMS7
Lims ID: CCVIS
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

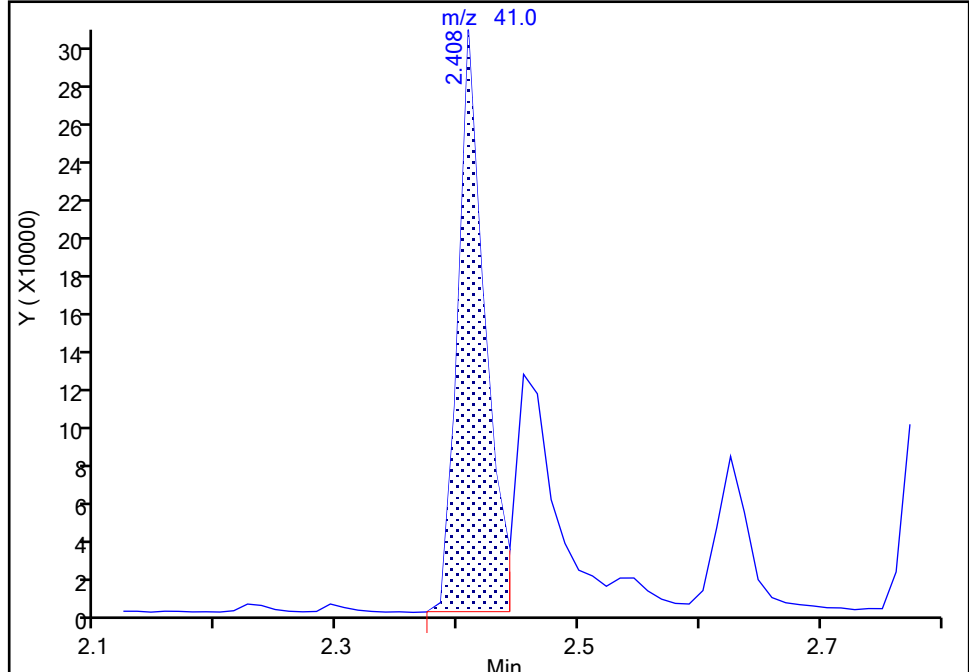
ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

27 Acetonitrile, CAS: 75-05-8

Signal: 1

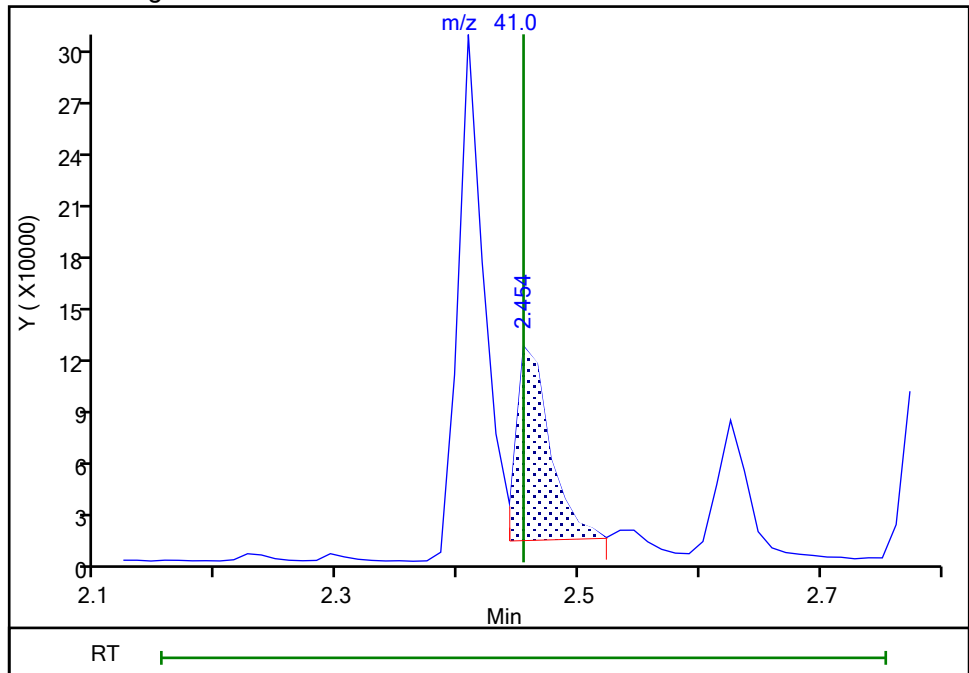
RT: 2.41
Area: 477992
Amount: 500.5265
Amount Units: ug/l

Processing Integration Results



RT: 2.45
Area: 218118
Amount: 233.0496
Amount Units: ug/l

Manual Integration Results



Reviewer: C1JX, 14-Mar-2024 20:09:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51767.D
Injection Date: 14-Mar-2024 19:51:30 Instrument ID: CVOAMS7
Lims ID: CCVIS
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

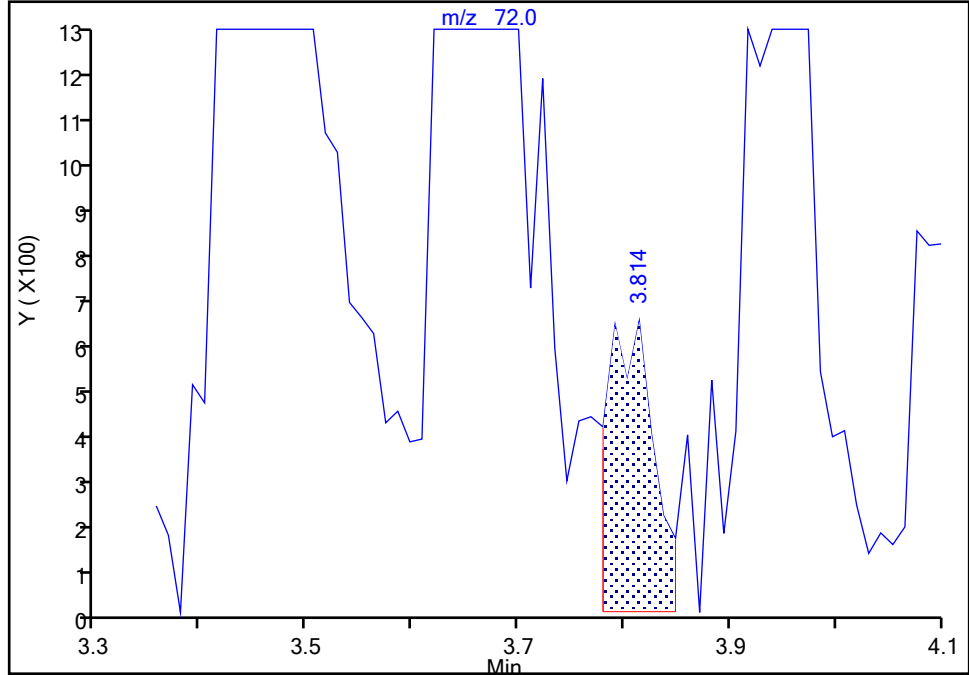
ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

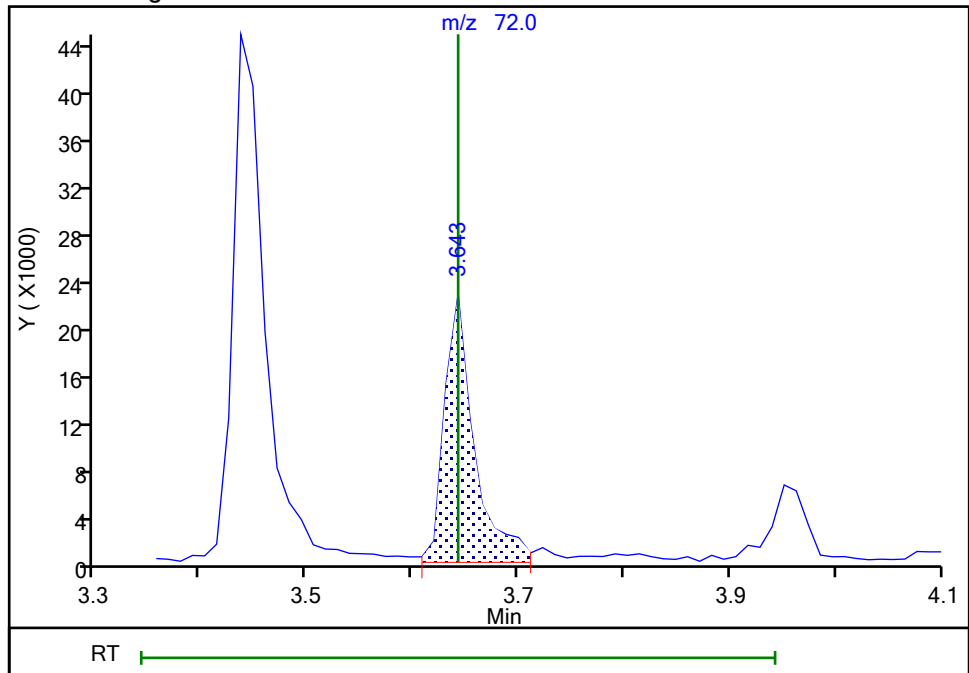
RT: 3.81
Area: 1987
Amount: 1.497432
Amount Units: ug/l

Processing Integration Results



RT: 3.64
Area: 43948
Amount: 32.934553
Amount Units: ug/l

Manual Integration Results



Reviewer: C1JX, 14-Mar-2024 20:09:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51767.D
Injection Date: 14-Mar-2024 19:51:30 Instrument ID: CVOAMS7
Lims ID: CCVIS
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260W_7
Column: Rtx-624 (0.25 mm)

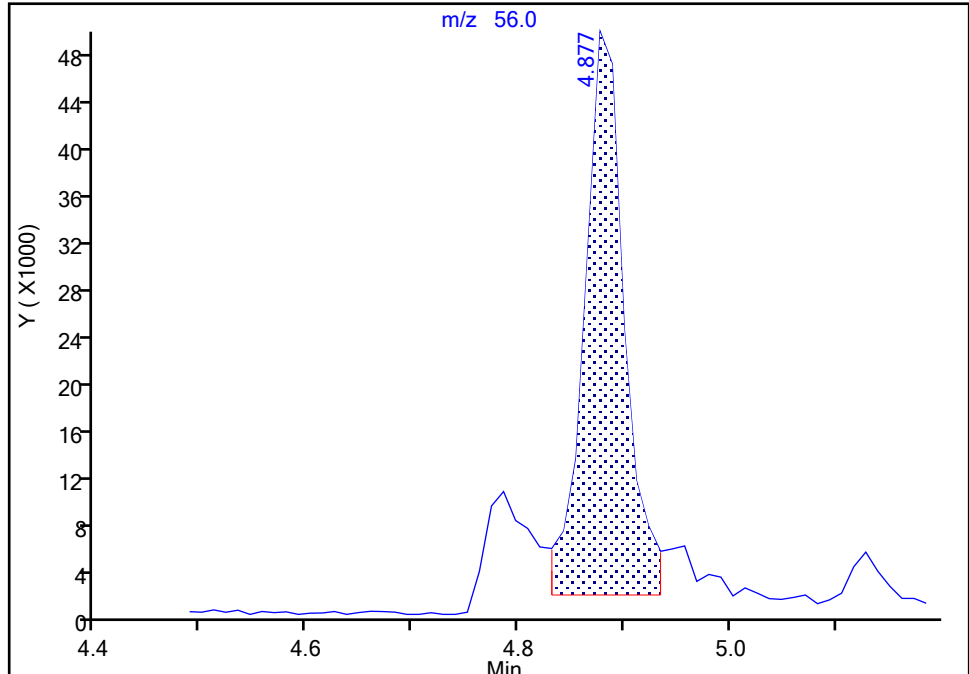
ALS Bottle#: 52 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS Quad

70 n-Butanol, CAS: 71-36-3

Signal: 1

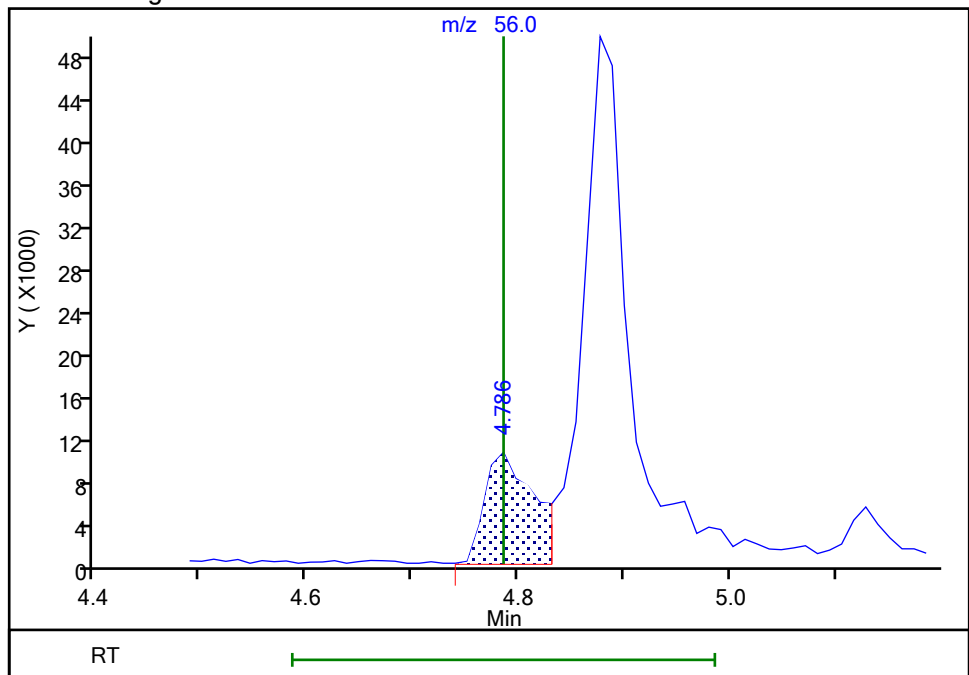
RT: 4.88
Area: 128304
Amount: 1047.6580
Amount Units: ug/l

Processing Integration Results



RT: 4.79
Area: 34668
Amount: 283.0793
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 12:24:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09698.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Feb-2024 09:48:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0172348-001
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Feb-2024 19:31:51 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1675

First Level Reviewer: KG2Q

Date: 15-Feb-2024 10:31:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB	95	2.665	2.665	0.000	83	224632	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00035

Amount Added: 1.00

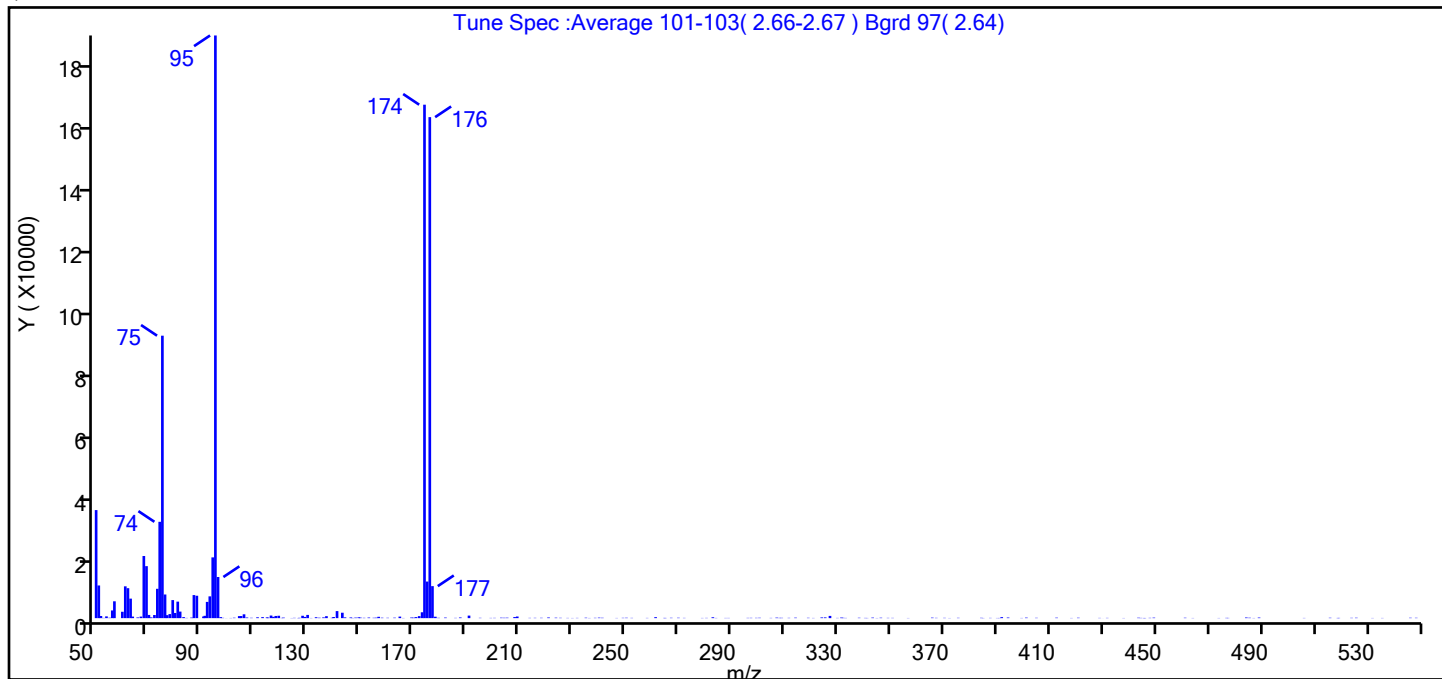
Units: uL

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09698.D
Injection Date: 15-Feb-2024 09:48:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260624W_1
Tune Method: BFB Method 8260

ALS Bottle#: 99 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	1.0 (1.1)
174	50 to 120% of m/z 95	88.1
175	5 to 9% of m/z 174	6.3 (7.1)
176	Greater than 95% but less than 101% of m/z 174	86.0 (97.6)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09698.D\8260624W_1.rsl\spectra.d
Injection Date: 15-Feb-2024 09:48:30
Spectrum: Tune Spec :Average 101-103(2.66-2.67) Bgrd 97(2.64)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 224

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	33872	116.00	816	200.00	86	338.00	125
51.00	10243	117.00	416	203.00	144	340.00	73
52.00	670	118.00	687	204.00	121	341.00	60
53.00	76	119.00	748	205.00	142	343.00	170
54.00	553	120.00	83	208.00	341	345.00	51
55.00	127	121.00	165	209.00	508	346.00	135
56.00	2409	124.00	51	214.00	84	349.00	85
57.00	5279	125.00	93	216.00	97	351.00	81
60.00	2001	126.00	54	218.00	109	356.00	53
61.00	9973	127.00	96	221.00	208	366.00	159
62.00	9391	128.00	743	224.00	145	367.00	91
63.00	6118	129.00	387	225.00	103	370.00	94
64.00	483	130.00	1013	228.00	72	372.00	51
66.00	221	131.00	55	230.00	55	375.00	102
67.00	485	133.00	282	232.00	76	384.00	101
68.00	19480	134.00	134	235.00	137	385.00	55
69.00	16299	136.00	236	236.00	58	388.00	80
70.00	1003	137.00	617	238.00	100	390.00	57
71.00	236	139.00	113	240.00	162	391.00	62
72.00	982	140.00	360	241.00	117	392.00	310
73.00	9200	141.00	2210	246.00	60	394.00	192
74.00	30200	143.00	1698	249.00	100	399.00	61
75.00	88544	144.00	238	250.00	123	401.00	162
76.00	7415	146.00	216	252.00	81	405.00	103
77.00	941	147.00	62	258.00	72	412.00	148
78.00	1277	148.00	169	261.00	303	418.00	58
79.00	5662	149.00	256	264.00	71	421.00	130
80.00	1622	150.00	167	265.00	62	429.00	74
81.00	5175	151.00	101	267.00	114	430.00	9
82.00	2054	153.00	188	270.00	127	432.00	79
83.00	322	155.00	117	272.00	79	438.00	53
84.00	72	156.00	147	279.00	63	443.00	134
86.00	173	157.00	421	280.00	79	444.00	76

Report Date: 15-Feb-2024 19:31:51

Chrom Revision: 2.3 14-Feb-2024 16:13:40

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09698.D\8260624W_1.rslt\spectra.d

Injection Date: 15-Feb-2024 09:48:30

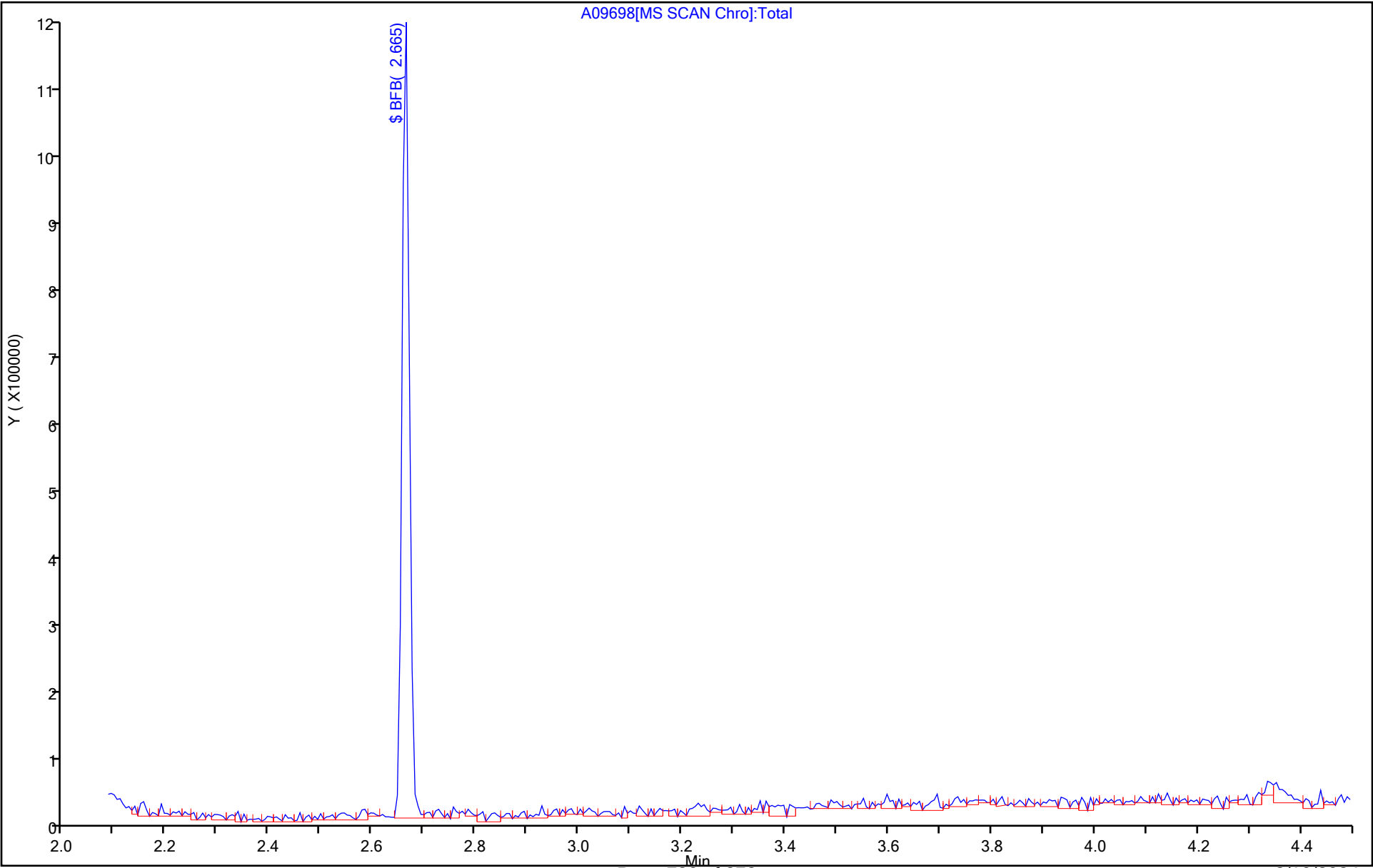
Spectrum: Tune Spec :Average 101-103(2.66-2.67) Bgrd 97(2.64)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 224

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	7232	158.00	138	283.00	274	446.00	58
88.00	7021	160.00	111	284.00	62	446.00	52
91.00	508	163.00	148	288.00	66	448.00	92
91.00	729	165.00	483	289.00	70	449.00	158
92.00	5092	166.00	55	296.00	85	461.00	127
93.00	6832	169.00	194	297.00	96	464.00	56
94.00	19048	170.00	148	299.00	95	474.00	56
95.00	182656	171.00	324	300.00	121	477.00	79
96.00	12896	172.00	631	305.00	74	477.00	72
97.00	318	173.00	1839	307.00	161	484.00	200
98.00	100	174.00	160960	308.00	92	485.00	130
99.00	21	175.00	11472	309.00	96	487.00	54
101.00	56	176.00	157056	312.00	93	489.00	185
102.00	136	177.00	10033	314.00	150	506.00	64
104.00	632	178.00	447	319.00	111	516.00	121
105.00	657	179.00	102	321.00	63	519.00	61
106.00	1203	182.00	180	324.00	220	519.00	75
107.00	198	186.00	83	325.00	227	524.00	97
109.00	110	188.00	210	327.00	700	526.00	127
111.00	264	191.00	795	330.00	71	532.00	57
113.00	318	193.00	1	331.00	171	535.00	61
115.00	237	195.00	100	332.00	111	546.00	125
115.00	141	199.00	73	333.00	69	548.00	112



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10711.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Mar-2024 09:47:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0173435-001
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 10:26:06 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 10:26:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB	95	2.665	2.665	0.000	85	209909	NR	NR	a

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

a - User Assigned ID

Reagents:

BFB_00035

Amount Added: 1.00

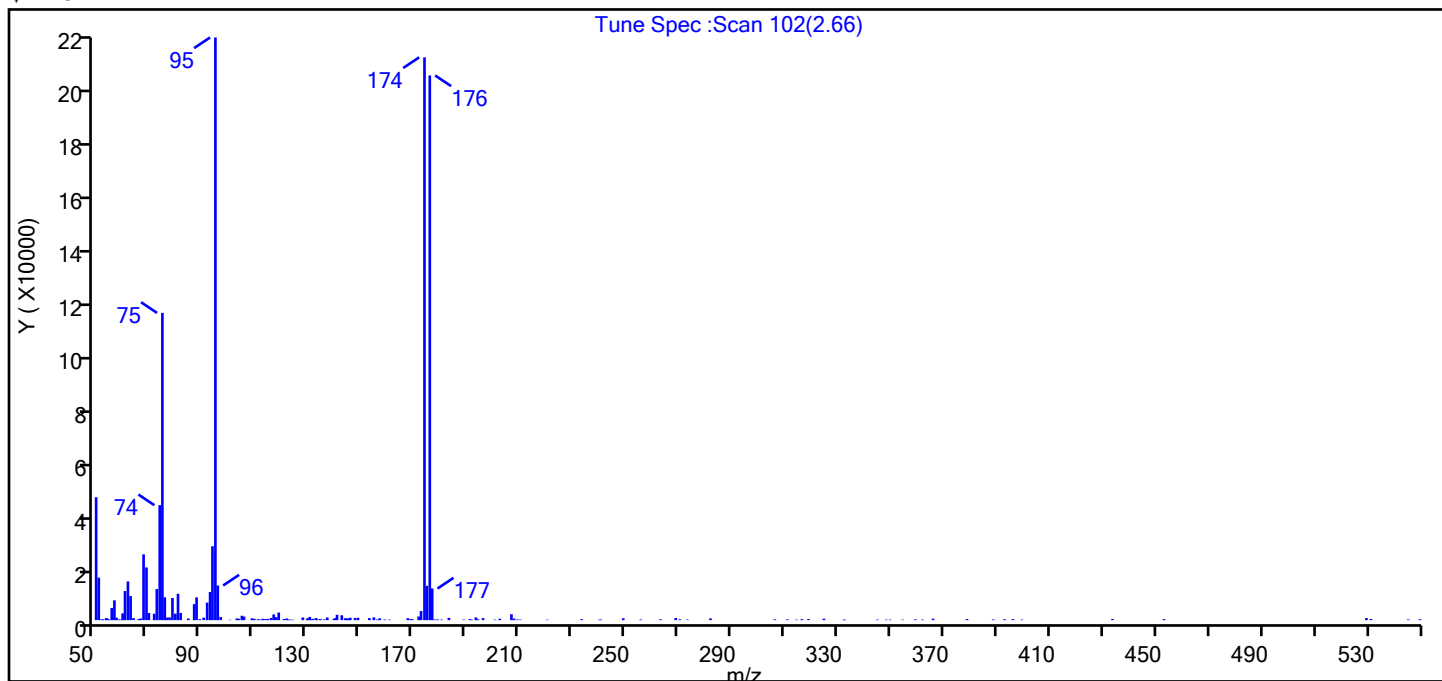
Units: uL

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10711.D
Injection Date: 15-Mar-2024 09:47:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260624W_1
Tune Method: BFB Method 8260

ALS Bottle#: 99 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.1
75	30 to 60% of m/z 95	52.7
96	5 to 9% of m/z 95	5.9
173	Less than 2% of m/z 174	1.6 (1.6)
174	50 to 120% of m/z 95	96.6
175	5 to 9% of m/z 174	5.9 (6.1)
176	Greater than 95% but less than 101% of m/z 174	93.5 (96.8)
177	5 to 9% of m/z 176	5.4 (5.8)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10711.D\8260624W_1.rslt\spectra.d
Injection Date: 15-Mar-2024 09:47:30
Spectrum: Tune Spec :Scan 102(2.66)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	44728	93.00	10242	141.00	1952	220.00	178
51.00	15469	94.00	26896	143.00	1776	233.00	349
52.00	221	95.00	212096	144.00	678	240.00	174
53.00	344	96.00	12608	145.00	694	240.00	189
54.00	733	97.00	1129	146.00	376	249.00	678
54.00	557	101.00	150	146.00	872	256.00	254
55.00	207	103.00	618	148.00	772	263.00	308
56.00	4442	104.00	487	149.00	868	269.00	779
57.00	7204	105.00	1596	153.00	747	270.00	315
58.00	887	106.00	1293	155.00	1022	273.00	199
59.00	270	109.00	645	156.00	251	282.00	633
59.00	180	110.00	495	157.00	668	306.00	285
60.00	2454	111.00	352	159.00	233	311.00	275
61.00	10596	112.00	191	161.00	194	314.00	194
62.00	14110	113.00	490	168.00	708	316.00	373
63.00	8754	114.00	362	169.00	376	319.00	389
64.00	720	115.00	455	169.00	340	325.00	518
66.00	425	116.00	798	172.00	1314	332.00	178
67.00	590	117.00	2068	173.00	3309	333.00	153
68.00	23944	118.00	1077	174.00	204864	345.00	220
69.00	19176	119.00	2762	175.00	12496	348.00	200
70.00	2590	121.00	440	176.00	198272	350.00	194
72.00	2347	122.00	593	177.00	11511	354.00	171
73.00	11328	123.00	171	178.00	244	359.00	281
74.00	41840	123.00	190	179.00	274	362.00	222
75.00	111840	124.00	189	180.00	203	366.00	536
76.00	8308	128.00	978	183.00	834	379.00	413
77.00	932	130.00	505	189.00	204	389.00	245
78.00	999	130.00	709	191.00	380	393.00	321
79.00	8050	131.00	1172	192.00	185	396.00	370
80.00	2369	131.00	363	193.00	983	399.00	205
81.00	9597	132.00	489	194.00	305	434.00	412
82.00	2590	133.00	756	196.00	734	453.00	393

Report Date: 15-Mar-2024 10:26:06

Chrom Revision: 2.3 23-Feb-2024 16:51:14

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10711.D\8260624W_1.rslt\spectra.d

Injection Date: 15-Mar-2024 09:47:30

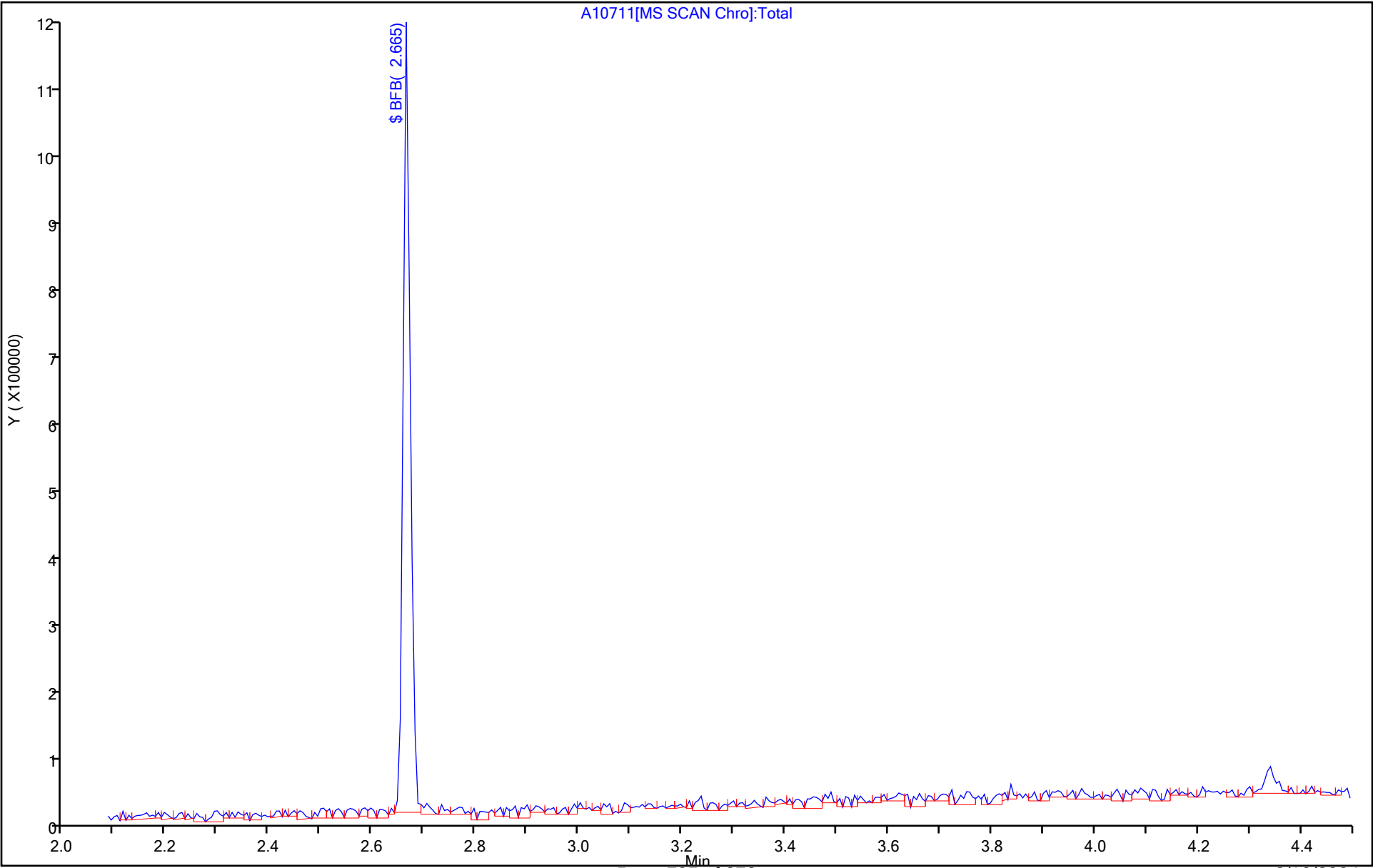
Spectrum: Tune Spec :Scan 102(2.66)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	606	134.00	225	201.00	180	529.00	761
87.00	5834	135.00	404	202.00	499	531.00	421
88.00	8308	136.00	278	207.00	2151	545.00	251
89.00	356	137.00	983	208.00	587	550.00	328
91.00	896	140.00	511	209.00	236		
92.00	6369	140.00	763	210.00	195		



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49181.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Jan-2024 23:02:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0170980-001
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 08-Jan-2024 12:57:44 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1672

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB

Reagents:

BFB_00035

Amount Added: 1.00

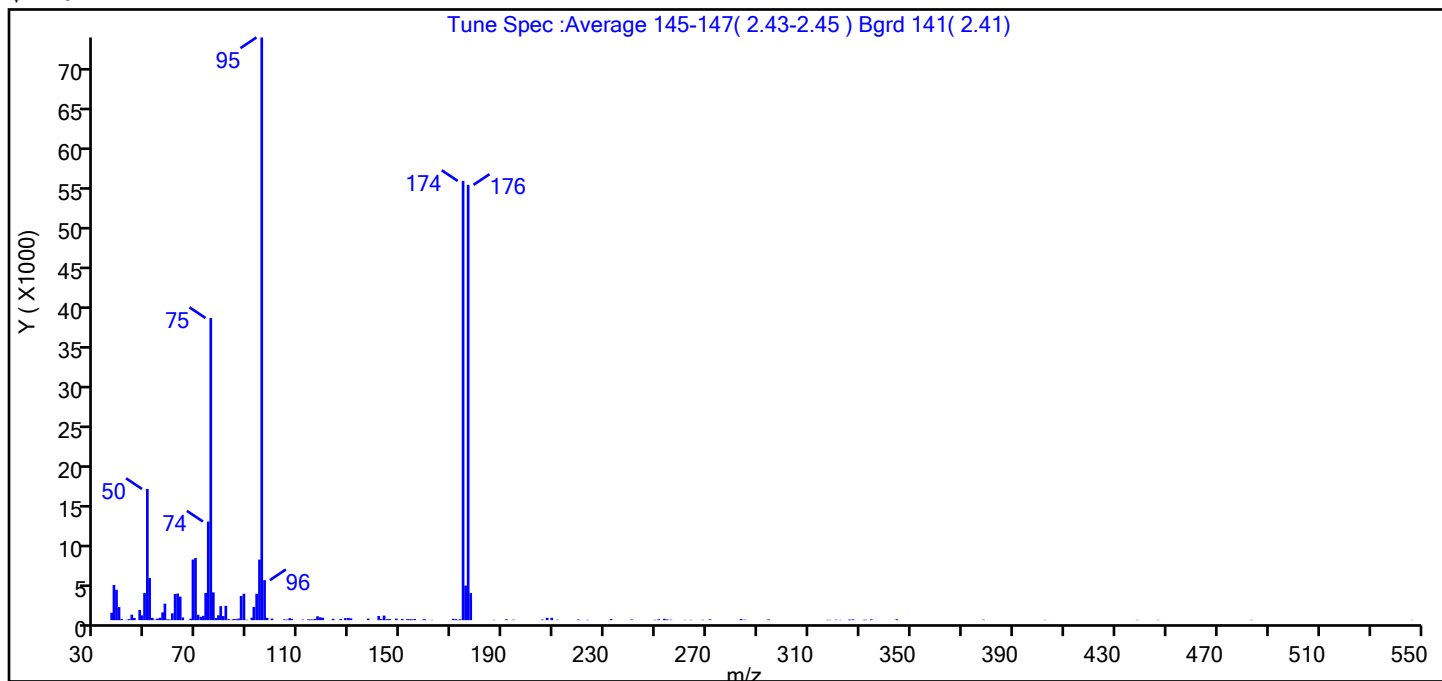
Units: uL

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49181.D
Injection Date: 04-Jan-2024 23:02:30 Instrument ID: CVOAMS7
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260W_7
Tune Method: BFB Method 624

ALS Bottle#: 99 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% Relative Abundance	100.0
50	15-40% of mass 95	22.5
75	30-60% of mass 95	51.9
96	5-9% of mass 95	6.9
173	<2% of mass 174	0.2 (0.2)
174	>50% of mass 95	75.4
175	5-9% of mass 174	5.9 (7.9)
176	>95% but <101% of mass 174	74.7 (99.1)
177	5-9% of mass 176	4.6 (6.2)

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49181.D\8260W_7.rslt\spectra.d
Injection Date: 04-Jan-2024 23:02:30
Spectrum: Tune Spec :Average 145-147(2.43-2.45) Bgrd 141(2.41)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	921	75.00	37904	123.00	164	209.00	293
37.00	4415	76.00	3488	126.00	139	211.00	52
38.00	3806	77.00	269	127.00	2	219.00	80
39.00	1632	78.00	608	128.00	252	223.00	46
40.00	155	79.00	1753	129.00	285	232.00	135
42.00	48	80.00	507	130.00	218	240.00	79
43.00	134	81.00	1791	135.00	2	249.00	50
44.00	685	82.00	121	137.00	187	251.00	114
45.00	274	83.00	38	141.00	517	253.00	167
47.00	1277	84.00	135	142.00	131	254.00	91
48.00	601	85.00	116	143.00	571	256.00	49
49.00	3410	86.00	195	144.00	114	261.00	34
50.00	16456	87.00	3032	145.00	139	264.00	40
51.00	5286	88.00	3310	148.00	191	268.00	51
52.00	292	89.00	55	150.00	144	271.00	101
53.00	65	91.00	300	152.00	127	283.00	143
54.00	194	92.00	1658	153.00	105	285.00	54
55.00	295	93.00	3314	154.00	98	294.00	92
56.00	976	94.00	7590	155.00	136	317.00	44
57.00	2072	95.00	73096	158.00	55	318.00	36
58.00	99	96.00	5018	159.00	113	320.00	54
59.00	77	97.00	291	162.00	34	322.00	34
60.00	855	99.00	194	170.00	162	326.00	34
61.00	3288	104.00	94	171.00	125	326.00	73
62.00	3335	105.00	72	172.00	24	327.00	94
63.00	2950	106.00	245	173.00	113	331.00	37
64.00	333	107.00	138	174.00	55096	332.00	55
67.00	174	111.00	67	175.00	4334	334.00	93
68.00	7604	113.00	96	176.00	54608	344.00	114
69.00	7788	114.00	83	177.00	3397	378.00	55
70.00	675	115.00	75	186.00	43	402.00	34
71.00	420	116.00	160	191.00	107	439.00	39
72.00	541	117.00	487	194.00	55	447.00	37

Report Date: 08-Jan-2024 12:57:46

Chrom Revision: 2.3 15-Nov-2023 20:54:34

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49181.D\8260W_7.rslt\spectra.d

Injection Date: 04-Jan-2024 23:02:30

Spectrum: Tune Spec :Average 145-147(2.43-2.45) Bgrd 141(2.41)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3412	118.00	354	205.00	74	484.00	41
74.00	12368	119.00	302	207.00	290	546.00	33

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49181.D

Injection Date: 04-Jan-2024 23:02:30

Instrument ID: CVOAMS7

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99

Worklist Smp#: 1

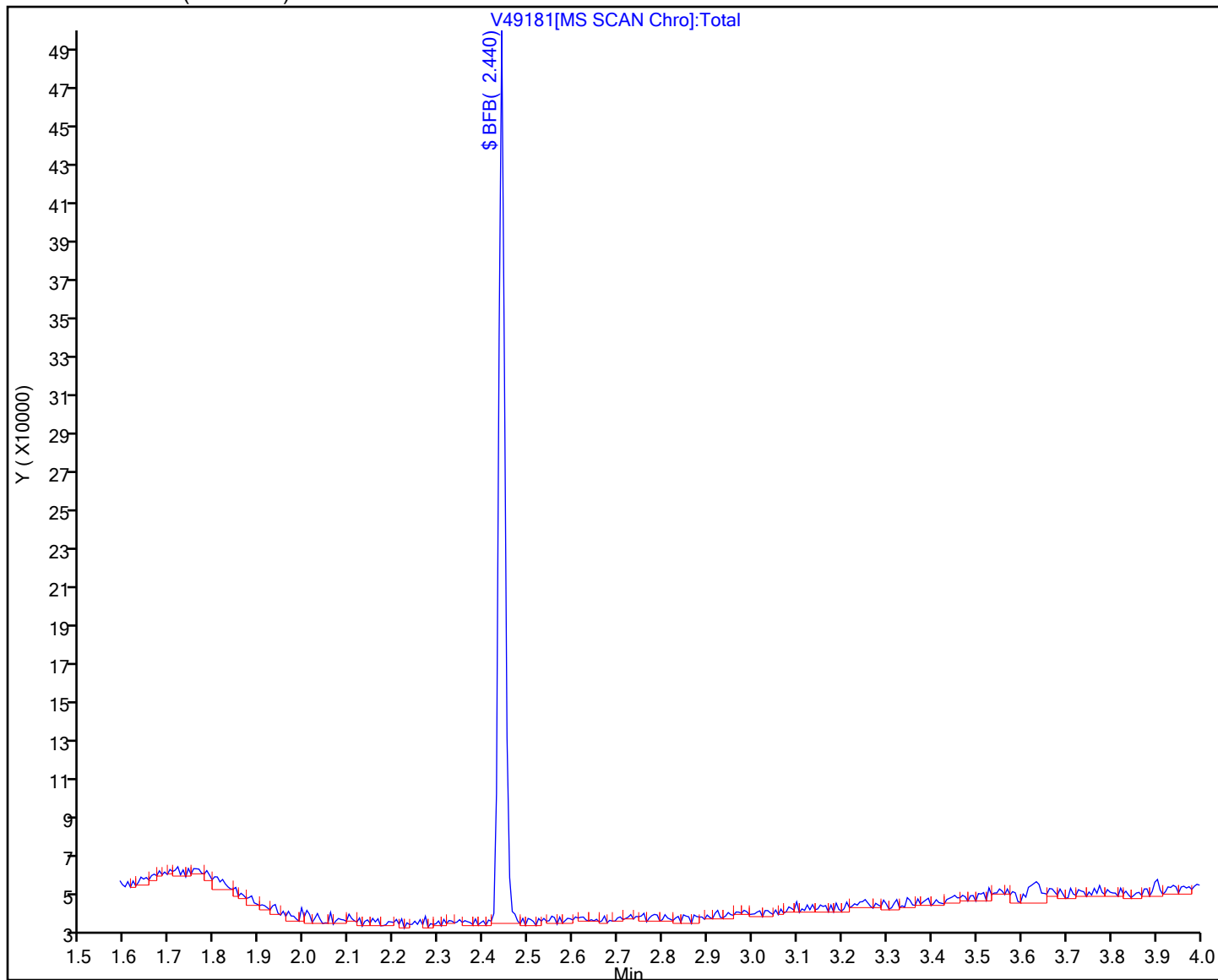
Injection Vol: 5.0 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51765.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Mar-2024 19:13:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0173397-001
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 14-Mar-2024 19:35:05 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1619

First Level Reviewer: C1JX

Date: 14-Mar-2024 19:35:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 140 BFB

QC Flag Legend

Processing Flags

Reagents:

BFB_00035

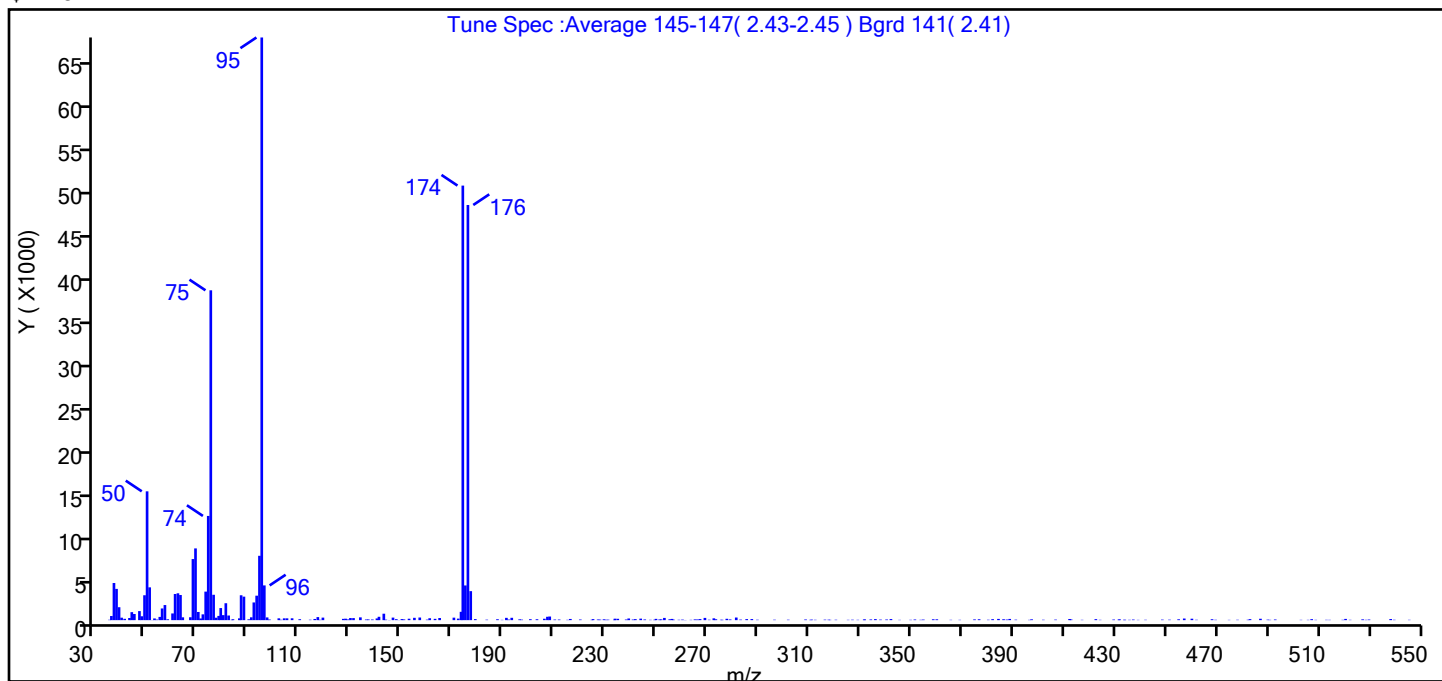
Amount Added: 1.00

Units: uL

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51765.D
Injection Date: 14-Mar-2024 19:13:30 Instrument ID: CVOAMS7
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_7 Limit Group: VOA 624.1 ICAL
Tune Method: BFB Method 624

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% Relative Abundance	100.0
50	15-40% of mass 95	22.1
75	30-60% of mass 95	56.6
96	5-9% of mass 95	6.0
173	<2% of mass 174	1.4 (1.9)
174	>50% of mass 95	74.6
175	5-9% of mass 174	6.0 (8.0)
176	>95% but <101% of mass 174	71.3 (95.5)
177	5-9% of mass 176	5.0 (7.0)

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51765.D\8260W_7.rslt\spectra.d
Injection Date: 14-Mar-2024 19:13:30
Spectrum: Tune Spec :Average 145-147(2.43-2.45) Bgrd 141(2.41)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	44	114.00	49	234.00	39	360.00	96
36.00	478	116.00	136	234.00	168	366.00	38
37.00	4290	117.00	351	235.00	155	369.00	37
38.00	3610	118.00	41	238.00	72	375.00	85
39.00	1493	119.00	292	239.00	191	377.00	102
40.00	284	127.00	148	241.00	69	380.00	47
41.00	154	128.00	166	242.00	118	382.00	113
43.00	248	129.00	83	244.00	173	384.00	143
44.00	923	130.00	244	245.00	79	386.00	102
45.00	709	131.00	237	248.00	38	388.00	68
47.00	1045	134.00	322	249.00	43	389.00	139
48.00	448	136.00	73	250.00	147	391.00	56
49.00	2875	137.00	82	251.00	70	396.00	34
50.00	14881	138.00	75	252.00	90	397.00	95
51.00	3789	140.00	197	253.00	257	402.00	47
52.00	14	141.00	388	255.00	98	407.00	63
53.00	197	143.00	744	256.00	142	412.00	133
54.00	67	144.00	58	257.00	52	413.00	78
55.00	374	145.00	18	259.00	44	417.00	37
56.00	1349	147.00	293	260.00	62	422.00	114
57.00	1743	148.00	112	261.00	19	424.00	37
58.00	99	149.00	14	264.00	36	429.00	69
60.00	773	150.00	122	265.00	86	431.00	54
61.00	3021	151.00	83	266.00	79	432.00	91
62.00	3103	153.00	163	267.00	122	434.00	43
63.00	2903	155.00	270	269.00	259	434.00	38
64.00	326	157.00	303	271.00	49	436.00	39
67.00	334	160.00	57	272.00	210	437.00	69
68.00	7056	161.00	220	273.00	102	439.00	33
69.00	8288	163.00	151	275.00	45	442.00	43
70.00	944	165.00	246	276.00	36	448.00	61
71.00	192	170.00	287	278.00	156	451.00	54
72.00	670	172.00	177	279.00	81	455.00	98

Report Date: 14-Mar-2024 19:35:06

Chrom Revision: 2.3 23-Feb-2024 16:51:14

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51765.D\8260W_7.rslt\spectra.d

Injection Date: 14-Mar-2024 19:13:30

Spectrum: Tune Spec :Average 145-147(2.43-2.45) Bgrd 141(2.41)

Base Peak: 95.10

Minimum % Base Peak: 0

Number of Points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3296	173.00	962	281.00	302	457.00	187
74.00	12038	174.00	50200	283.00	64	460.00	165
75.00	38104	175.00	4007	285.00	121	462.00	44
76.00	2931	176.00	47960	287.00	124	468.00	103
77.00	281	177.00	3350	290.00	48	469.00	43
78.00	489	179.00	118	296.00	51	475.00	33
79.00	1395	183.00	55	302.00	51	478.00	45
80.00	579	188.00	104	308.00	77	482.00	46
81.00	1954	189.00	33	310.00	35	483.00	116
82.00	535	191.00	265	311.00	60	487.00	160
83.00	42	192.00	66	312.00	42	490.00	57
84.00	104	193.00	271	316.00	58	491.00	36
86.00	206	196.00	91	318.00	52	493.00	75
87.00	2874	197.00	59	318.00	37	503.00	36
88.00	2715	200.00	108	320.00	48	506.00	36
90.00	96	203.00	103	325.00	38	507.00	113
91.00	327	206.00	162	327.00	52	509.00	36
92.00	2044	207.00	389	329.00	40	513.00	41
93.00	2826	208.00	418	332.00	63	514.00	37
94.00	7433	210.00	69	332.00	80	519.00	38
95.00	67312	212.00	70	334.00	82	520.00	143
96.00	4012	215.00	37	336.00	120	522.00	38
97.00	314	216.00	137	338.00	64	527.00	90
98.00	76	220.00	72	340.00	75	528.00	41
102.00	209	225.00	36	342.00	125	530.00	71
103.00	45	225.00	118	345.00	34	538.00	128
104.00	207	227.00	74	350.00	39	540.00	44
105.00	208	228.00	57	351.00	75	545.00	39
106.00	2	229.00	95	354.00	40		
107.00	214	230.00	46	355.00	65		
110.00	107	231.00	56	359.00	99		

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51765.D

Injection Date: 14-Mar-2024 19:13:30

Instrument ID: CVOAMS7

Lims ID: BFB

Client ID:

Operator ID:

ALS Bottle#: 99

Worklist Smp#: 1

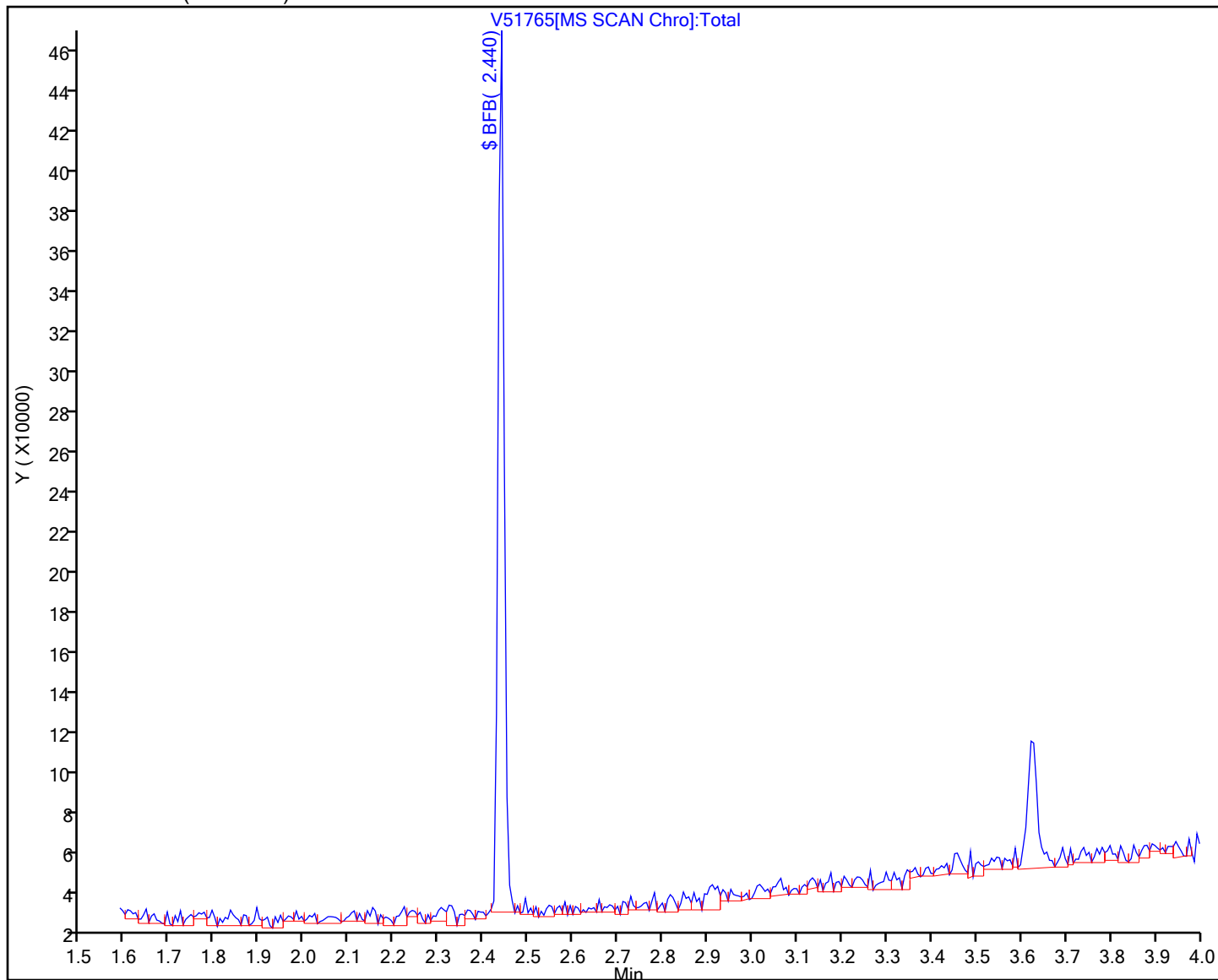
Injection Vol: 5.0 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-964128/9</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51773.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 21:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	1.0	U	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-964128/9
Matrix: Water Lab File ID: V51773.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 21:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		49-149
460-00-4	Bromofluorobenzene	87		66-132
1868-53-7	Dibromofluoromethane (Surr)	101		55-150
2037-26-5	Toluene-d8 (Surr)	92		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-964128/9</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51773.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 21:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51773.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 14-Mar-2024 21:57:30 ALS Bottle#: 58 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0173397-009
 Operator ID: Instrument ID: CVOAMS7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:31:00 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:31:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
14 Ethyl ether	74	2.008	2.008	0.000	61	1140		0.1834	
* 28 TBA-d9 (IS)	66	2.488	2.488	0.000	97	34155	1000.0	1000.0	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	99	417425	250.0	250.0	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	96	281666	50.0	50.3	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	96	338407	50.0	48.4	
* 67 Fluorobenzene	96	4.409	4.409	0.000	98	1051317	50.0	50.0	
* 68 1,4-Dioxane-d8	96	5.140	5.117	0.023	89	21778	1000.0	1000.0	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	99	1201449	50.0	46.0	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	87	776058	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	291563	50.0	43.5	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	96	348175	50.0	50.0	

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51773.D

Injection Date: 14-Mar-2024 21:57:30

Instrument ID: CVOAMS7

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

58

Worklist Smp#:

9

Purge Vol: 5.000 mL

Dil. Factor:

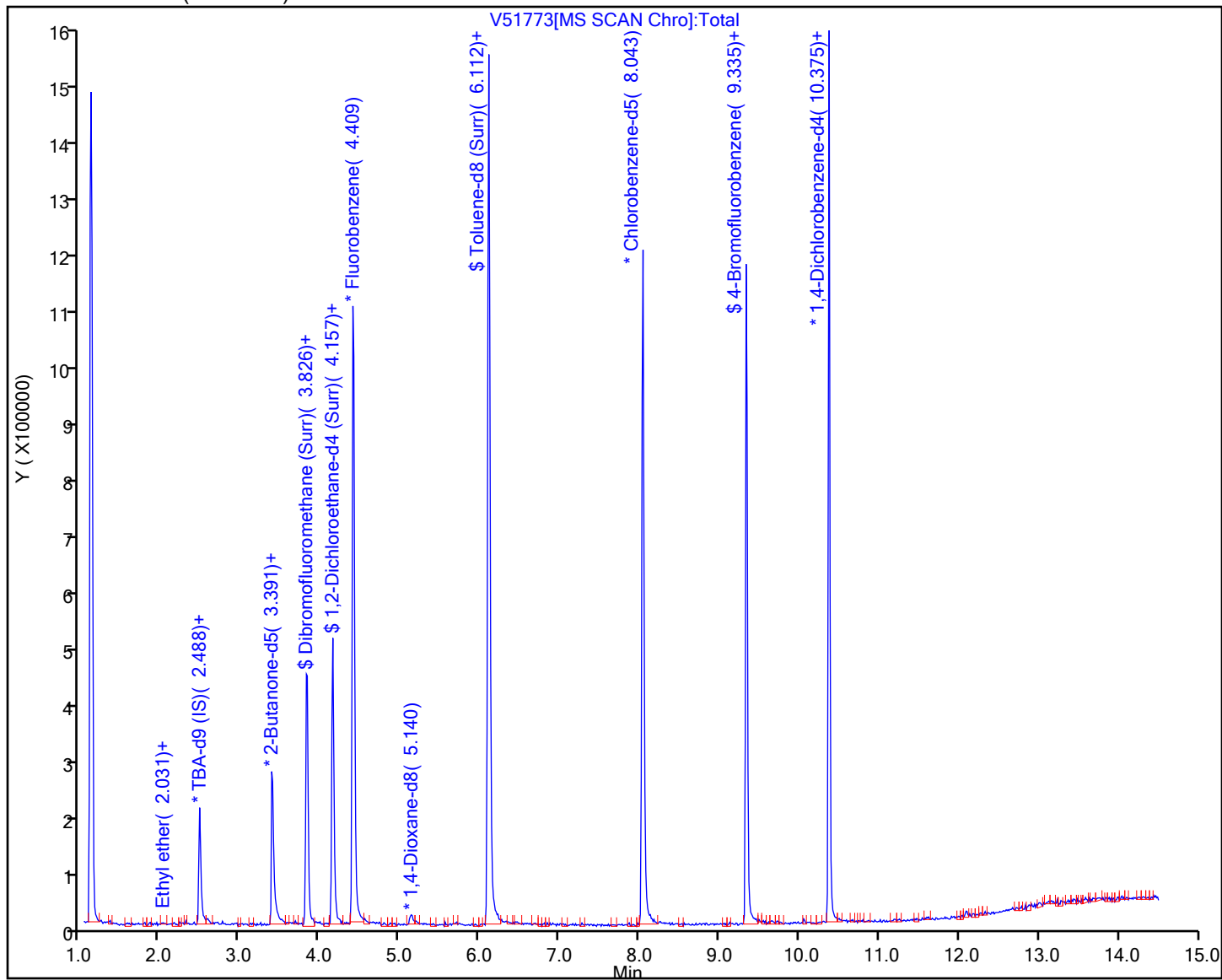
1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51773.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 14-Mar-2024 21:57:30 ALS Bottle#: 58 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173397-009
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:31:00 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:31:00

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	50.3	100.55
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	48.4	96.82
\$ 82 Toluene-d8 (Surr)	50.0	46.0	92.07
\$ 105 4-Bromofluorobenzene	50.0	43.5	86.95

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51773.D

Injection Date: 14-Mar-2024 21:57:30

Instrument ID: CVOAMS7

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

58

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260W_7

Limit Group:

VOA 624.1 ICAL

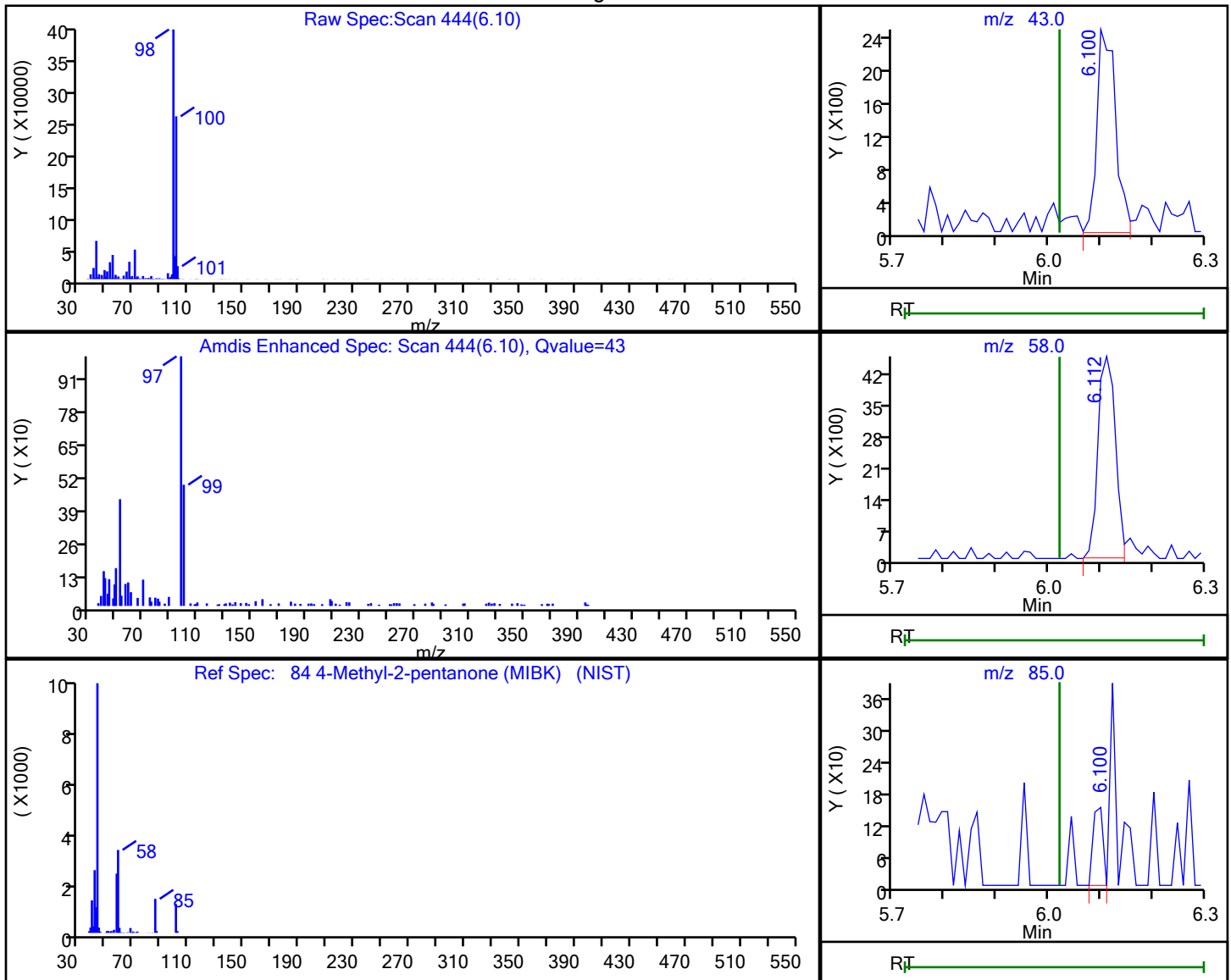
Column: Rtx-624 (0.25 mm)

Detector

MS Quad

84 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.10	43.00	6071	0.799181
6.11	58.00	10800	
6.10	85.00	197	
6.11	100.00	798990	

Reviewer: C1JX, 14-Mar-2024 22:17:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-964280/7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10717.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 12:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.15
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.84
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	2.9
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	2.7
67-64-1	Acetone	6.0	U	6.0	5.0
71-43-2	Benzene	1.0	U	1.0	0.43
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.45
75-15-0	Carbon disulfide	1.0	U	1.0	0.16
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.43
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.46
124-48-1	Dibromochloromethane	1.0	U	1.0	0.13
75-00-3	Ethyl Chloride	1.0	U	1.0	0.32
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
1634-04-4	MTBE	1.0	U	1.0	0.20
100-42-5	Styrene	1.0	U	1.0	0.42
75-65-0	TBA	10	U	10	8.3
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-964280/7
Matrix: Water Lab File ID: A10717.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 12:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.34
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		49-149
460-00-4	Bromofluorobenzene	101		66-132
1868-53-7	Dibromofluoromethane (Surr)	104		55-150
2037-26-5	Toluene-d8 (Surr)	100		69-121

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-964280/7</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10717.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 12:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>
Number TICs Found: <u>0</u>	TIC Result Total: <u>0</u>

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10717.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Mar-2024 12:00:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0173435-007
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:18:35 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:18:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	89173	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	128343	250.0	250.0	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	139435	50.0	52.2	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	140986	50.0	49.5	
* 66 Fluorobenzene	96	5.475	5.469	0.006	99	465531	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	12344	1000.0	1000.0	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	496236	50.0	49.8	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	376263	50.0	50.0	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	92	162658	50.0	50.3	
* 121 1,4-Dichlorobenzene-d4	152	11.304	11.292	0.012	96	208770	50.0	50.0	

QC Flag Legend

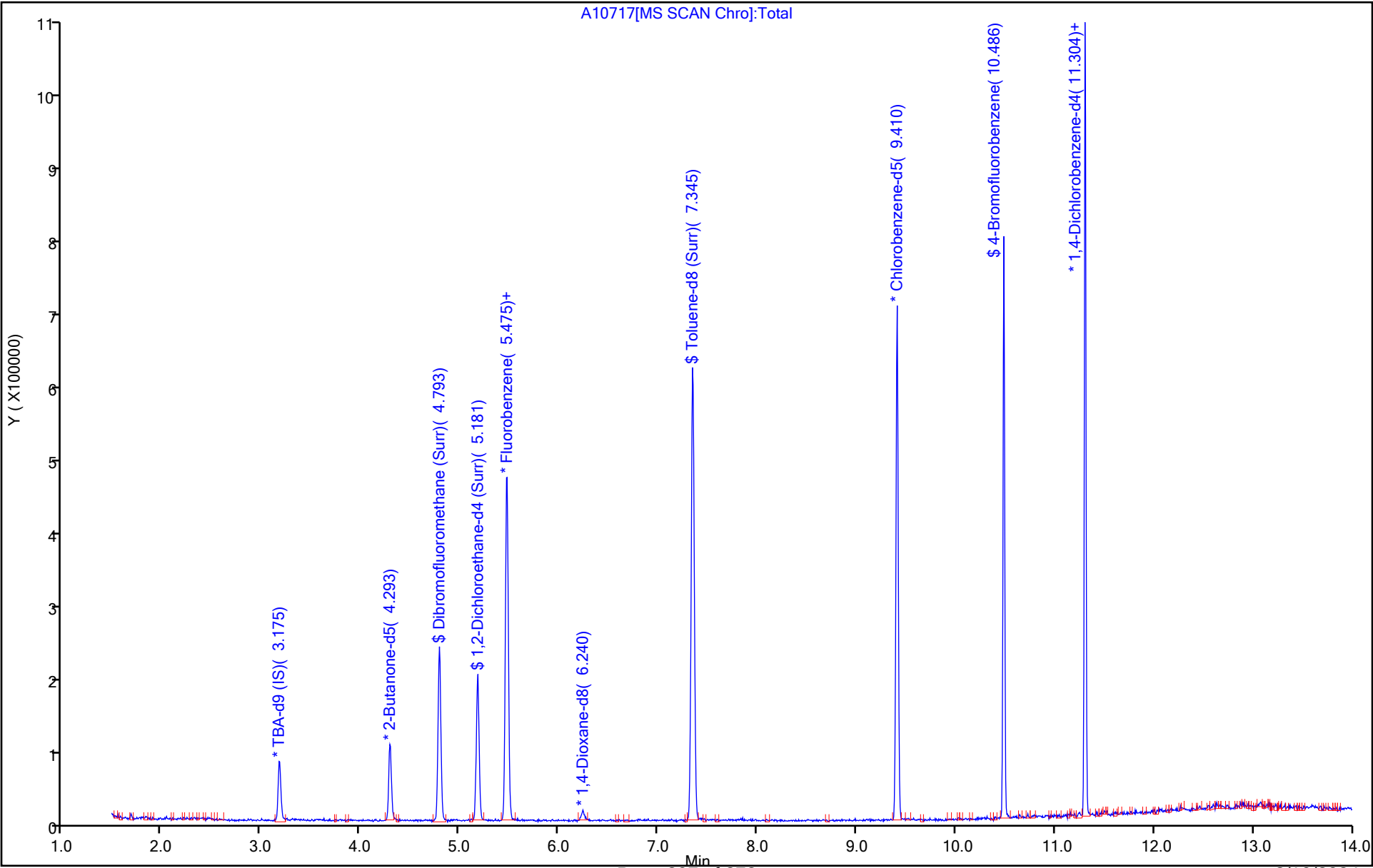
Processing Flags

Reagents:

8260ISNEW_00192
 8260SURR250_00245

Amount Added: 1.00
 Amount Added: 1.00

Units: uL Run Reagent
 Units: uL Run Reagent



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10717.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Mar-2024 12:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173435-007
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:18:35 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 12:18:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	52.2	104.41
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.5	99.00
\$ 83 Toluene-d8 (Surr)	50.0	49.8	99.59
\$ 105 4-Bromofluorobenzene	50.0	50.3	100.63

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10717.D

Injection Date: 15-Mar-2024 12:00:30

Instrument ID: CVOAMS1

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

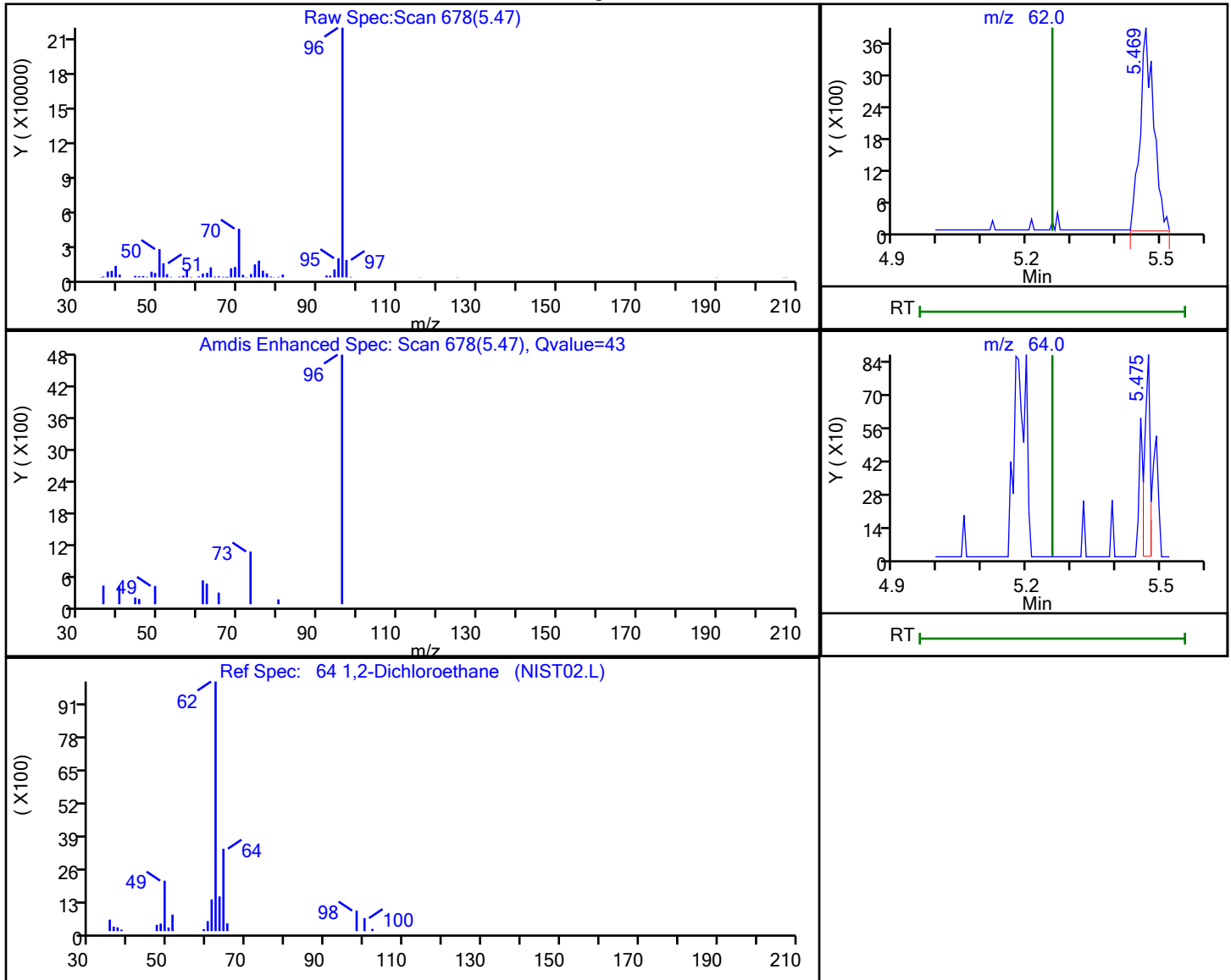
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.47	62.00	8257	2.171938
5.47	64.00	721	

Reviewer: NN6A, 15-Mar-2024 12:17:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10717.D

Injection Date: 15-Mar-2024 12:00:30

Instrument ID: CVOAMS1

Lims ID: MB

Client ID:

Operator ID:

ALS Bottle#:

6

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260624W_1

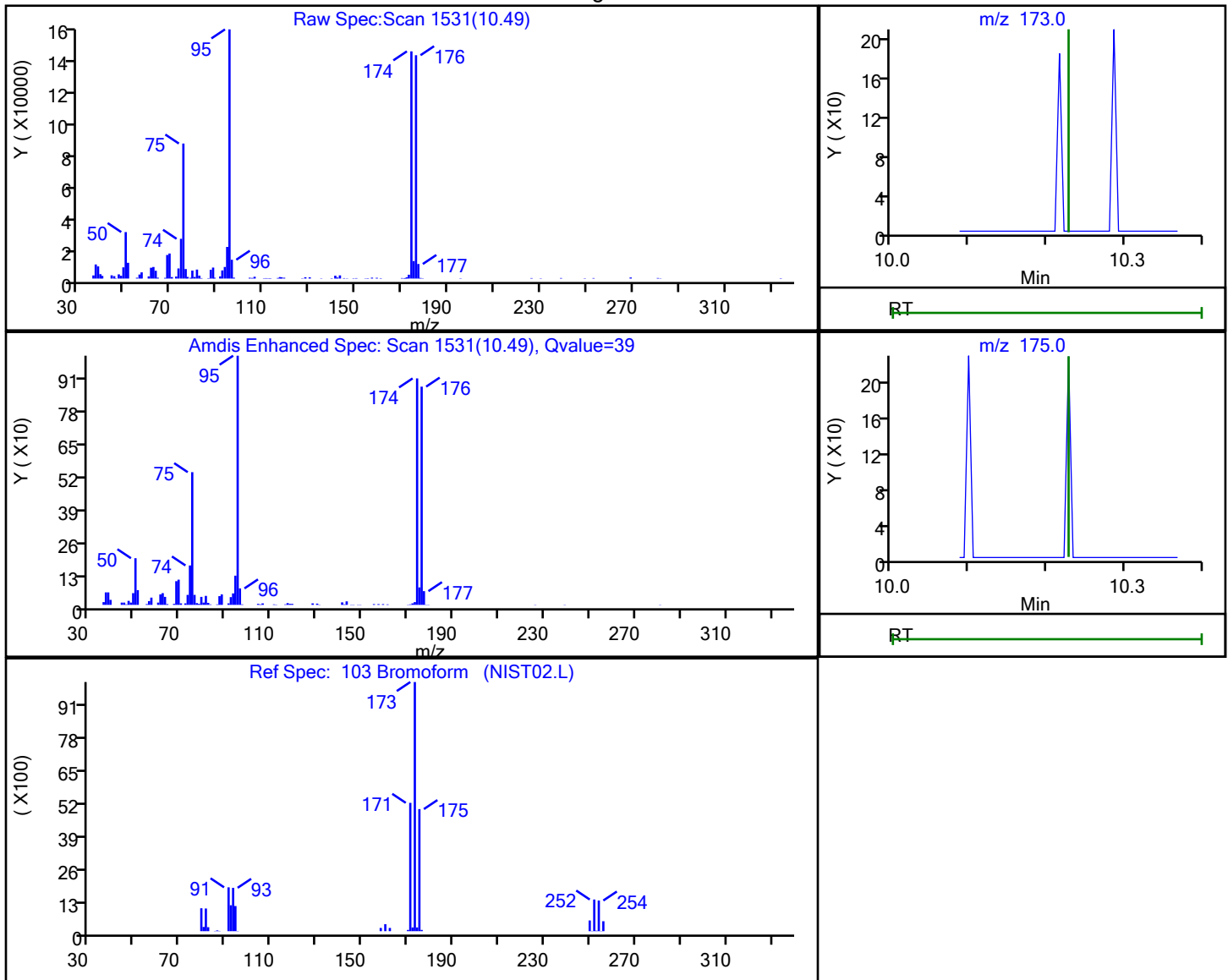
Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.49	173.00	1642	0.984411
10.49	175.00	13078	

Reviewer: NN6A, 15-Mar-2024 12:18:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-964128/4</u>
Matrix: <u>Water</u>	Lab File ID: <u>V51768.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/14/2024 20:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964128</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.0	0.37
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.15
75-34-3	1,1-Dichloroethane	20.7		1.0	0.26
75-35-4	1,1-Dichloroethene	21.2		1.0	0.12
107-06-2	1,2-Dichloroethane	18.4		1.0	0.84
78-87-5	1,2-Dichloropropane	20.1		1.0	0.35
78-93-3	2-Butanone	90.1		5.0	1.9
591-78-6	2-Hexanone	106		5.0	2.9
108-10-1	4-Methyl-2-pentanone	109		5.0	2.7
67-64-1	Acetone	98.6		6.0	5.0
71-43-2	Benzene	20.9		1.0	0.43
75-27-4	Bromodichloromethane	19.0		1.0	0.34
75-25-2	Bromoform	16.1		1.0	0.54
74-83-9	Bromomethane	17.6		1.0	0.45
75-15-0	Carbon disulfide	19.3		1.0	0.16
56-23-5	Carbon tetrachloride	18.7		1.0	0.21
108-90-7	Chlorobenzene	20.2		1.0	0.38
67-66-3	Chloroform	19.9		1.0	0.33
74-87-3	Chloromethane	23.0		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	20.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.0		1.0	0.46
124-48-1	Dibromochloromethane	18.1		1.0	0.13
75-00-3	Ethyl Chloride	18.6		1.0	0.32
100-41-4	Ethylbenzene	19.5		1.0	0.30
75-09-2	Methylene Chloride	20.9		1.0	0.32
1634-04-4	MTBE	18.0		1.0	0.20
100-42-5	Styrene	19.2		1.0	0.42
75-65-0	TBA	177		10	8.3
127-18-4	Tetrachloroethene	19.9		1.0	0.25
108-88-3	Toluene	20.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.6		1.0	0.22
79-01-6	Trichloroethene	21.0		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-964128/4
Matrix: Water Lab File ID: V51768.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 20:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	21.1		1.0	0.34
1330-20-7	Xylenes, Total	39.5		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		49-149
460-00-4	Bromofluorobenzene	90		66-132
1868-53-7	Dibromofluoromethane (Surr)	93		55-150
2037-26-5	Toluene-d8 (Surr)	96		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51768.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 14-Mar-2024 20:12:30 ALS Bottle#: 53 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0173397-004
 Operator ID: Instrument ID: CVOAMS7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:24:45 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 20:34:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.151	1.163	-0.012	73	8022	NC	NC	
3 Chlorotrifluoroethene	116	1.231	1.231	0.000	88	49699	NC	NC	
4 1,1-Difluoroethane	65	1.243	1.243	0.000	92	106631	NC	NC	
5 Dichlorodifluoromethane	85	1.243	1.254	-0.011	100	334022	20.0	26.0	
2 Chlorodifluoromethane	67	1.266	1.265	0.001	100	44655	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	99	349773	20.0	23.0	
7 Vinyl chloride	62	1.437	1.437	0.000	99	329447	20.0	21.1	
8 Butadiene	54	1.460	1.460	0.000	98	320413	20.0	21.8	
9 Bromomethane	94	1.654	1.654	0.000	98	127598	20.0	17.6	
10 Chloroethane	64	1.711	1.711	0.000	100	181140	20.0	18.6	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	99	463963	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	343775	20.0	21.9	
13 Pentane	72	1.871	1.871	0.000	97	84278	40.0	44.3	
17 Ethanol	46	1.974	1.974	0.000	99	29784	800.0	1143.6	
14 Ethyl ether	74	2.009	2.008	0.001	96	129537	20.0	18.4	
15 2-Methyl-1,3-butadiene	53	2.020	2.031	-0.011	98	246543	20.0	21.4	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	88	169751	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	98	312181	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	95	198415	20.0	20.6	
52 Acrolein	56	2.146	2.145	0.001	97	32323	40.0	35.9	
20 1,1-Dichloroethene	96	2.169	2.168	0.001	95	195373	20.0	21.2	
23 Acetone	43	2.226	2.225	0.001	86	290948	100.0	98.6	
21 Iodomethane	142	2.294	2.294	0.000	98	182729	20.0	20.4	
24 Isopropyl alcohol	45	2.294	2.294	0.000	56	76110	200.0	222.5	
22 Carbon disulfide	76	2.317	2.317	0.000	100	718231	20.0	19.3	
30 Methyl acetate	43	2.409	2.408	0.001	100	316847	40.0	38.5	
26 3-Chloro-1-propene	76	2.409	2.408	0.001	97	159020	20.0	21.6	
25 Cyclopentene	67	2.431	2.431	0.000	95	541387	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	98	205230	200.0	204.2	a
* 28 TBA-d9 (IS)	66	2.489	2.488	0.001	98	44027	1000.0	1000.0	
29 Methylene Chloride	84	2.511	2.511	0.000	99	226728	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	97	121323	200.0	177.1	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	98	590760	20.0	18.0	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	224953	20.0	20.9	
35 Acrylonitrile	53	2.706	2.706	0.000	94	741774	200.0	205.1	
36 Hexane	57	2.786	2.786	0.000	95	352749	20.0	24.6	
37 Isopropyl ether	45	2.946	2.946	0.000	97	861931	20.0	21.3	
38 1,1-Dichloroethane	63	2.980	2.980	0.000	100	456898	20.0	20.7	
40 Vinyl acetate	43	2.991	2.991	0.000	100	932947	40.0	43.6	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	209700	NC	NC	
41 Tert-butyl ethyl ether	59	3.209	3.208	0.001	89	707188	NC	NC	
* 42 2-Butanone-d5	46	3.392	3.391	0.001	96	511084	250.0	250.0	
43 2,2-Dichloropropane	97	3.403	3.403	0.000	96	76439	20.0	18.6	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	93	240775	20.0	20.2	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	95	98689	100.0	90.1	
47 Ethyl acetate	70	3.437	3.448	-0.011	94	39518	40.0	40.5	
46 Methyl acrylate	55	3.494	3.494	0.000	99	156872	NC	NC	
48 Propionitrile	54	3.552	3.563	-0.011	98	251721	NC	NC	
54 Methacrylonitrile	67	3.643	3.643	0.000	96	858597	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	97	107688	20.0	19.9	
50 Tetrahydrofuran	72	3.643	3.643	0.000	48	44885	40.0	31.2	
51 Chloroform	83	3.689	3.688	0.001	97	391668	20.0	19.9	
53 Cyclohexane	84	3.803	3.803	0.000	96	364995	20.0	22.6	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	97	331745	20.0	18.9	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	95	296322	50.0	46.7	
57 Carbon tetrachloride	117	3.929	3.929	0.000	97	274055	20.0	18.7	
58 1,1-Dichloropropene	75	3.952	3.963	-0.011	96	336751	20.0	20.8	
61 Isobutyl alcohol	43	4.089	4.089	0.000	51	287263	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	98	670627	NC	NC	
59 Benzene	78	4.134	4.134	0.000	98	947924	20.0	20.9	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	363578	50.0	45.9	
66 Isopropyl acetate	87	4.192	4.191	0.001	95	174097	20.0	17.2	
62 Tert-amyl methyl ether	73	4.192	4.191	0.001	91	652527	NC	NC	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	297760	20.0	18.4	
65 n-Heptane	57	4.283	4.283	0.000	97	152847	20.0	24.7	
* 67 Fluorobenzene	96	4.409	4.409	0.000	98	1191730	50.0	50.0	
69 Trichloroethene	95	4.763	4.763	0.000	97	232820	20.0	21.0	
70 n-Butanol	56	4.775	4.786	-0.012	22	40010	500.0	336.0	a
72 Methylcyclohexane	83	4.877	4.877	0.000	87	370841	20.0	21.9	
71 Ethyl acrylate	99	4.877	4.889	-0.012	92	26285	20.0	16.5	a
73 1,2-Dichloropropane	63	5.049	5.049	0.000	90	244772	20.0	20.1	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	45	32070	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	95	94107	40.0	33.6	
78 1,4-Dioxane	88	5.175	5.174	0.001	36	32222	400.0	331.3	
75 Dibromomethane	93	5.186	5.186	0.000	92	130982	20.0	19.6	
77 n-Propyl acetate	43	5.186	5.197	-0.011	99	303331	20.0	19.9	
76 Dichlorobromomethane	83	5.346	5.346	0.000	99	288028	20.0	19.0	
34 2-Nitropropane	41	5.677	5.677	0.000	98	90155	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	97	131659	20.0	21.1	
80 Epichlorohydrin	57	5.803	5.803	0.000	100	348277	400.0	396.9	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	97	385974	20.0	20.0	
84 4-Methyl-2-pentanone (MIBK)	43	6.020	6.020	0.000	99	1033808	100.0	108.6	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	1316311	50.0	47.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	6.192	6.192	0.000	93	965088	20.0	20.3	
85 trans-1,3-Dichloropropene	75	6.592	6.592	0.000	98	325162	20.0	18.6	
86 Ethyl methacrylate	69	6.626	6.626	0.000	93	245222	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.820	0.000	94	159104	20.0	20.4	
88 Tetrachloroethene	166	6.866	6.866	0.000	96	205243	20.0	19.9	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	97	345799	20.0	20.5	
91 2-Hexanone	43	7.129	7.129	0.000	99	646196	100.0	105.7	
92 n-Butyl acetate	43	7.278	7.277	0.001	98	330792	20.0	20.1	
90 Chlorodibromomethane	129	7.312	7.312	0.000	98	180703	20.0	18.1	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	177304	20.0	19.1	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	87	817926	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	93	565775	20.0	20.2	
97 Ethylbenzene	106	8.169	8.169	0.000	99	304464	20.0	19.5	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.192	0.000	93	183700	20.0	18.8	
98 m-Xylene & p-Xylene	106	8.318	8.318	0.000	98	382366	20.0	19.7	
100 o-Xylene	106	8.763	8.763	0.000	93	374707	20.0	19.8	
99 n-Butyl acrylate	73	8.775	8.775	0.000	95	131806	20.0	15.6	
101 Styrene	104	8.798	8.798	0.000	94	593493	20.0	19.2	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	89	366868	20.0	19.7	
103 Bromoform	173	9.015	9.015	0.000	94	103982	20.0	16.1	
104 Isopropylbenzene	105	9.141	9.140	0.001	96	966493	20.0	20.4	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	318233	50.0	45.0	
107 Bromobenzene	156	9.461	9.460	0.001	96	218363	20.0	20.3	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	99	218463	20.0	18.3	
109 N-Propylbenzene	91	9.541	9.541	0.001	99	1179199	20.0	21.3	
115 1,2,3-Trichloropropane	110	9.564	9.563	0.001	97	57592	20.0	16.6	
112 trans-1,4-Dichloro-2-butene	53	9.586	9.586	0.000	90	54734	NC	NC	
114 2-Chlorotoluene	91	9.632	9.643	-0.011	97	774172	20.0	20.1	
113 4-Ethyltoluene	105	9.644	9.643	0.001	98	947099	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	93	762842	20.0	19.9	
110 4-Chlorotoluene	91	9.746	9.746	0.000	99	723819	20.0	19.5	
117 Butyl Methacrylate	87	9.826	9.826	0.000	96	213707	20.0	16.5	
118 tert-Butylbenzene	119	9.986	9.986	0.000	93	637268	20.0	19.7	
119 1,2,4-Trimethylbenzene	105	10.044	10.043	0.001	99	766425	20.0	20.2	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	938077	20.0	20.8	
121 4-Isopropyltoluene	119	10.306	10.306	0.000	97	770077	20.0	20.1	
122 1,3-Dichlorobenzene	146	10.306	10.306	0.000	73	403978	20.0	19.4	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	382071	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	92	403849	20.0	19.5	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	98	764217	20.0	19.4	
125 Benzyl chloride	91	10.512	10.512	0.000	98	353802	20.0	15.2	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	94	756945	NC	NC	
126 p-Diethylbenzene	119	10.627	10.626	0.000	94	450052	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	355977	20.0	19.0	
128 1,2-Dichlorobenzene	146	10.695	10.695	0.000	94	393173	20.0	20.2	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	98	649686	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	95	37281	20.0	14.9	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	96	240321	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.907	11.906	0.001	93	216061	20.0	18.8	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	91	84926	20.0	18.4	
134 Naphthalene	128	12.090	12.089	0.001	99	574476	20.0	18.9	
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	95	195320	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.0	
S 137 Xylenes, Total	100				0		40.0	39.5	
S 138 1,3-Dichloropropene, Total	1				0		40.0	38.6	
S 139 Total BTEX	1				0		100.0	100.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51768.D

Injection Date: 14-Mar-2024 20:12:30

Instrument ID: CVOAMS7

Lims ID: LCS

Client ID:

Operator ID:

ALS Bottle#: 53

Worklist Smp#: 4

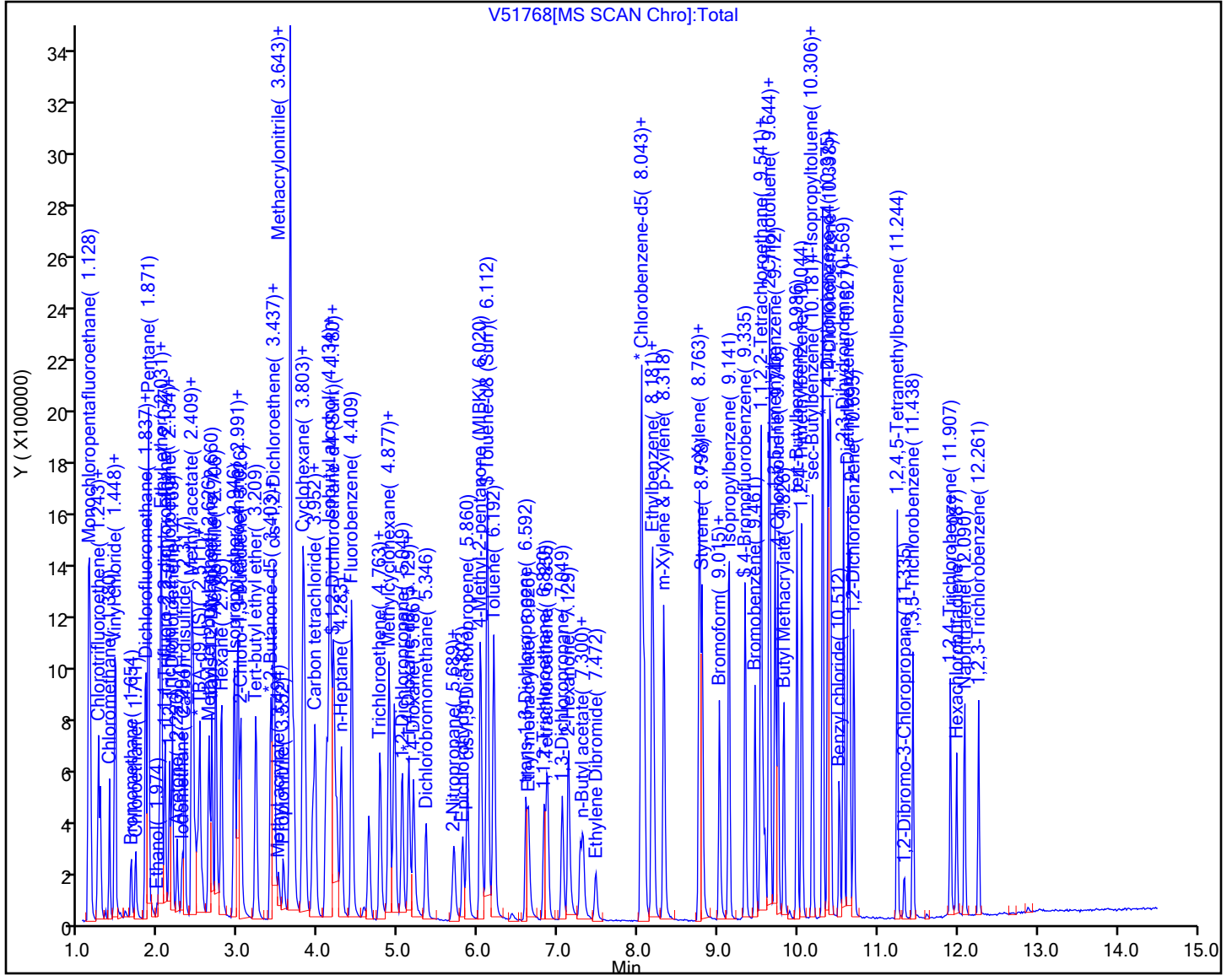
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51768.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Mar-2024 20:12:30 ALS Bottle#: 53 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173397-004
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:24:45 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 20:34:03

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	46.7	93.31
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	45.9	91.77
\$ 82 Toluene-d8 (Surr)	50.0	47.9	95.71
\$ 105 4-Bromofluorobenzene	50.0	45.0	90.05

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-964280/3</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10713.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 10:27</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.37
79-00-5	1,1,2-Trichloroethane	20.0		1.0	0.15
75-34-3	1,1-Dichloroethane	22.0		1.0	0.26
75-35-4	1,1-Dichloroethene	21.0		1.0	0.12
107-06-2	1,2-Dichloroethane	20.9		1.0	0.84
78-87-5	1,2-Dichloropropane	21.2		1.0	0.35
78-93-3	2-Butanone	99.5		5.0	1.9
591-78-6	2-Hexanone	103		5.0	2.9
108-10-1	4-Methyl-2-pentanone	104		5.0	2.7
67-64-1	Acetone	114		6.0	5.0
71-43-2	Benzene	22.8		1.0	0.43
75-27-4	Bromodichloromethane	21.8		1.0	0.34
75-25-2	Bromoform	23.4		1.0	0.54
74-83-9	Bromomethane	21.3		1.0	0.45
75-15-0	Carbon disulfide	23.1		1.0	0.16
56-23-5	Carbon tetrachloride	23.5		1.0	0.21
108-90-7	Chlorobenzene	21.9		1.0	0.38
67-66-3	Chloroform	21.7		1.0	0.33
74-87-3	Chloromethane	20.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	21.7		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	22.3		1.0	0.46
124-48-1	Dibromochloromethane	22.0		1.0	0.13
75-00-3	Ethyl Chloride	20.5		1.0	0.32
100-41-4	Ethylbenzene	21.6		1.0	0.30
75-09-2	Methylene Chloride	23.7		1.0	0.32
1634-04-4	MTBE	20.3		1.0	0.20
100-42-5	Styrene	23.3		1.0	0.42
75-65-0	TBA	212		10	8.3
127-18-4	Tetrachloroethene	21.8		1.0	0.25
108-88-3	Toluene	22.8		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.7		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.5		1.0	0.22
79-01-6	Trichloroethene	19.8		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-964280/3
Matrix: Water Lab File ID: A10713.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 10:27
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	20.1		1.0	0.34
1330-20-7	Xylenes, Total	44.9		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		49-149
460-00-4	Bromofluorobenzene	105		66-132
1868-53-7	Dibromofluoromethane (Surr)	99		55-150
2037-26-5	Toluene-d8 (Surr)	101		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10713.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Mar-2024 10:27:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0173435-003
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 10:45:36 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 10:45:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	89	21399	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	99	112151	20.0	19.3	
165 Chlorodifluoromethane	51	1.587	1.587	0.000	97	112365	NC	NC	
6 Chloromethane	50	1.746	1.746	0.000	99	111648	20.0	20.7	
7 Vinyl chloride	62	1.828	1.828	0.000	97	98446	20.0	20.1	
172 Butadiene	39	1.851	1.852	-0.001	96	93466	20.0	19.2	
9 Bromomethane	94	2.116	2.116	0.000	97	62668	20.0	21.3	
10 Chloroethane	64	2.193	2.193	0.000	99	52364	20.0	20.5	
174 Dichlorofluoromethane	67	2.345	2.346	-0.001	99	146931	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	98	113971	20.0	20.1	
13 Pentane	72	2.404	2.405	-0.001	96	23204	40.0	46.2	
19 Acrolein	56	2.410	2.405	0.005	29	6962	40.0	31.6	
14 Ethanol	46	2.522	2.528	-0.006	95	6421	800.0	949.0	M
15 Ethyl ether	59	2.587	2.587	0.000	92	44200	20.0	20.4	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	87	60494	20.0	20.6	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	84	54133	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.669	2.663	0.006	97	94780	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.745	2.746	-0.001	96	66008	20.0	21.9	
21 1,1-Dichloroethene	96	2.793	2.793	0.000	96	60862	20.0	21.0	
22 Acetone	58	2.869	2.875	-0.006	87	17101	100.0	113.8	
24 Isopropyl alcohol	45	2.928	2.922	0.006	80	17090	200.0	226.1	
23 Iodomethane	142	2.951	2.952	-0.001	99	93579	20.0	23.5	
25 Carbon disulfide	76	2.987	2.987	0.000	99	233248	20.0	23.1	
27 Methyl acetate	43	3.098	3.093	0.005	73	56804	40.0	43.9	
161 3-Chloro-1-propene	76	3.098	3.099	-0.001	93	41400	20.0	21.5	
166 Cyclopentene	67	3.122	3.122	0.000	93	138734	NC	NC	
29 Acetonitrile	41	3.157	3.163	-0.006	94	51334	200.0	219.3	
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	98980	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	94	77449	20.0	23.7	
32 2-Methyl-2-propanol	59	3.251	3.246	0.005	92	28139	200.0	212.2	
33 Methyl tert-butyl ether	73	3.375	3.375	0.000	98	137499	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	3.410	3.405	0.006	96	70143	20.0	21.7	
35 Acrylonitrile	53	3.475	3.475	0.000	92	127301	200.0	198.5	
36 Hexane	43	3.557	3.557	0.000	92	54717	20.0	21.8	
37 Isopropyl ether	45	3.763	3.757	0.006	97	206519	20.0	21.3	
39 Vinyl acetate	86	3.810	3.810	0.000	100	18762	40.0	44.5	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	74	130637	20.0	22.0	
40 2-Chloro-1,3-butadiene	88	3.851	3.857	-0.006	92	59420	NC	NC	
41 Tert-butyl ethyl ether	59	4.081	4.081	0.000	90	170844	NC	NC	
* 42 2-Butanone-d5	46	4.292	4.293	-0.001	0	143307	250.0	250.0	
43 2,2-Dichloropropane	97	4.322	4.316	0.006	91	26941	20.0	24.6	
44 cis-1,2-Dichloroethene	96	4.334	4.340	-0.006	95	78575	20.0	21.7	
46 Ethyl acetate	70	4.345	4.346	-0.001	93	7486	40.0	35.8	
45 2-Butanone (MEK)	72	4.345	4.352	-0.007	96	20624	100.0	99.5	
47 Methyl acrylate	55	4.404	4.404	0.000	100	34655	NC	NC	
48 Propionitrile	54	4.492	4.493	-0.001	98	47929	NC	NC	
50 Chlorobromomethane	128	4.581	4.581	0.000	87	35622	20.0	22.2	
49 Tetrahydrofuran	42	4.581	4.587	-0.006	53	29257	40.0	39.2	
51 Methacrylonitrile	67	4.604	4.604	0.000	93	166312	NC	NC	
52 Chloroform	83	4.628	4.628	0.000	98	125653	20.0	21.7	
53 Cyclohexane	56	4.781	4.775	0.006	93	107055	20.0	20.5	
54 1,1,1-Trichloroethane	97	4.792	4.787	0.005	85	113686	20.0	22.4	
\$ 55 Dibromofluoromethane (Surr)	113	4.792	4.793	-0.001	97	136544	50.0	49.6	
56 Carbon tetrachloride	117	4.916	4.916	0.000	96	106230	20.0	23.5	
57 1,1-Dichloropropene	75	4.945	4.946	-0.001	95	94287	20.0	21.0	
58 Isobutyl alcohol	43	5.039	5.040	-0.001	94	28613	NC	NC	
59 Isooctane	57	5.122	5.122	0.000	97	147568	NC	NC	
60 Benzene	78	5.163	5.169	-0.006	97	273140	20.0	22.8	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	140787	50.0	48.0	
62 Isopropyl acetate	61	5.198	5.193	0.005	97	18500	20.0	18.8	
63 Tert-amyl methyl ether	87	5.216	5.210	0.006	94	43741	NC	NC	
64 1,2-Dichloroethane	62	5.263	5.257	0.006	97	81950	20.0	20.9	
65 n-Heptane	71	5.310	5.310	0.000	90	40665	20.0	24.1	
* 66 Fluorobenzene	96	5.475	5.469	0.006	99	479778	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	93	19891	500.0	624.1	
68 Trichloroethene	95	5.857	5.857	0.000	97	70356	20.0	19.8	
69 Ethyl acrylate	99	5.992	5.975	0.017	96	7743	20.0	20.9	
70 Methylcyclohexane	83	5.998	5.998	0.000	90	96012	20.0	20.1	
71 1,2-Dichloropropane	63	6.181	6.181	0.000	88	67776	20.0	21.2	
* 73 1,4-Dioxane-d8	96	6.233	6.240	-0.007	0	13789	1000.0	1000.0	
72 Methyl methacrylate	69	6.251	6.251	0.000	88	56414	40.0	39.1	
75 1,4-Dioxane	88	6.304	6.298	0.006	24	7149	400.0	405.1	
74 n-Propyl acetate	43	6.316	6.316	0.000	98	52631	20.0	19.2	
76 Dibromomethane	93	6.328	6.328	0.000	94	34350	20.0	19.7	
77 Dichlorobromomethane	83	6.492	6.487	0.005	98	96590	20.0	21.8	
78 2-Chloroethyl vinyl ether	63	6.875	6.863	0.012	41	2041	20.0	6.65	
79 2-Nitropropane	41	6.875	6.875	0.000	99	22069	NC	NC	
80 Epichlorohydrin	57	6.992	6.993	0.000	99	62826	400.0	431.0	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	95	106578	20.0	22.3	
82 4-Methyl-2-pentanone (MIBK)	43	7.245	7.251	-0.006	97	168494	100.0	104.3	
\$ 83 Toluene-d8 (Surr)	98	7.351	7.345	0.006	99	507450	50.0	50.5	
84 Toluene	91	7.433	7.440	-0.007	92	291645	20.0	22.8	
86 trans-1,3-Dichloropropene	75	7.845	7.845	0.000	96	91270	20.0	22.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Ethyl methacrylate	69	7.880	7.875	0.005	85	52293	NC	NC	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	90	39679	20.0	20.0	
88 Tetrachloroethene	166	8.169	8.181	-0.012	97	74168	20.0	21.8	
89 1,3-Dichloropropane	76	8.392	8.398	-0.006	94	87023	20.0	22.1	
90 2-Hexanone	58	8.486	8.487	-0.001	97	56798	100.0	103.0	
91 n-Butyl acetate	73	8.639	8.634	0.005	97	9613	20.0	19.5	
92 Chlorodibromomethane	129	8.704	8.692	0.012	97	62017	20.0	22.0	
93 Ethylene Dibromide	107	8.886	8.881	0.005	96	46558	20.0	21.4	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	379380	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	97	182460	20.0	21.9	
96 Ethylbenzene	106	9.522	9.522	0.000	99	97400	20.0	21.6	
97 1,1,1,2-Tetrachloroethane	131	9.539	9.539	0.000	94	65940	20.0	23.6	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	124692	20.0	22.4	
99 n-Butyl acrylate	73	10.010	10.010	0.000	96	29663	20.0	19.8	
100 o-Xylene	106	10.027	10.028	-0.001	93	122696	20.0	22.5	
101 Styrene	104	10.051	10.051	0.000	96	207603	20.0	23.3	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	89	72382	20.0	19.8	
103 Bromoform	173	10.227	10.228	-0.001	93	39391	20.0	23.4	
104 Isopropylbenzene	105	10.321	10.322	-0.001	96	306427	20.0	22.3	
\$ 105 4-Bromofluorobenzene	174	10.480	10.481	-0.001	92	171213	50.0	52.5	
107 Bromobenzene	156	10.592	10.592	0.000	97	79133	20.0	21.8	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	97	51675	20.0	21.6	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	379835	20.0	21.9	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	96	14343	20.0	20.4	
109 trans-1,4-Dichloro-2-butene	53	10.668	10.669	-0.001	88	15996	NC	NC	
112 2-Chlorotoluene	91	10.721	10.722	-0.001	95	260069	20.0	22.4	
169 4-Ethyltoluene	105	10.727	10.728	-0.001	89	309958	NC	NC	
113 1,3,5-Trimethylbenzene	105	10.774	10.775	-0.001	94	257979	20.0	22.1	
115 4-Chlorotoluene	91	10.810	10.810	0.000	98	240796	20.0	22.9	
114 Butyl Methacrylate	87	10.839	10.839	0.000	94	69751	20.0	20.2	
116 tert-Butylbenzene	119	10.992	10.992	0.000	94	221320	20.0	21.8	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	98	268727	20.0	21.6	
118 sec-Butylbenzene	134	11.139	11.139	0.000	99	65955	20.0	22.1	
119 4-Isopropyltoluene	119	11.227	11.233	-0.006	98	273469	20.0	22.0	
120 1,3-Dichlorobenzene	146	11.239	11.239	0.000	97	163648	20.0	23.8	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	94	214337	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.304	11.304	0.000	96	162181	20.0	22.8	
123 1,2,3-Trimethylbenzene	105	11.316	11.316	0.000	99	267003	20.0	21.8	
124 Benzyl chloride	91	11.410	11.410	0.000	99	110873	20.0	25.3	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	94	262413	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	93	172006	NC	NC	
127 n-Butylbenzene	92	11.504	11.504	0.000	98	134039	20.0	21.9	
128 1,2-Dichlorobenzene	146	11.568	11.569	-0.001	96	140457	20.0	22.3	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	98	234905	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.151	12.151	0.000	93	10061	20.0	21.7	
131 1,3,5-Trichlorobenzene	180	12.257	12.257	0.000	95	111263	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	93	99994	20.0	23.4	
133 Hexachlorobutadiene	225	12.886	12.886	0.000	95	39517	20.0	22.2	
134 Naphthalene	128	13.051	13.051	0.000	99	151336	20.0	21.2	
135 1,2,3-Trichlorobenzene	180	13.286	13.286	0.000	95	73578	20.0	21.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.4	
S 137 Xylenes, Total	100				0		40.0	44.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10713.D

Injection Date: 15-Mar-2024 10:27:30

Instrument ID: CVOAMS1

Operator ID:

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

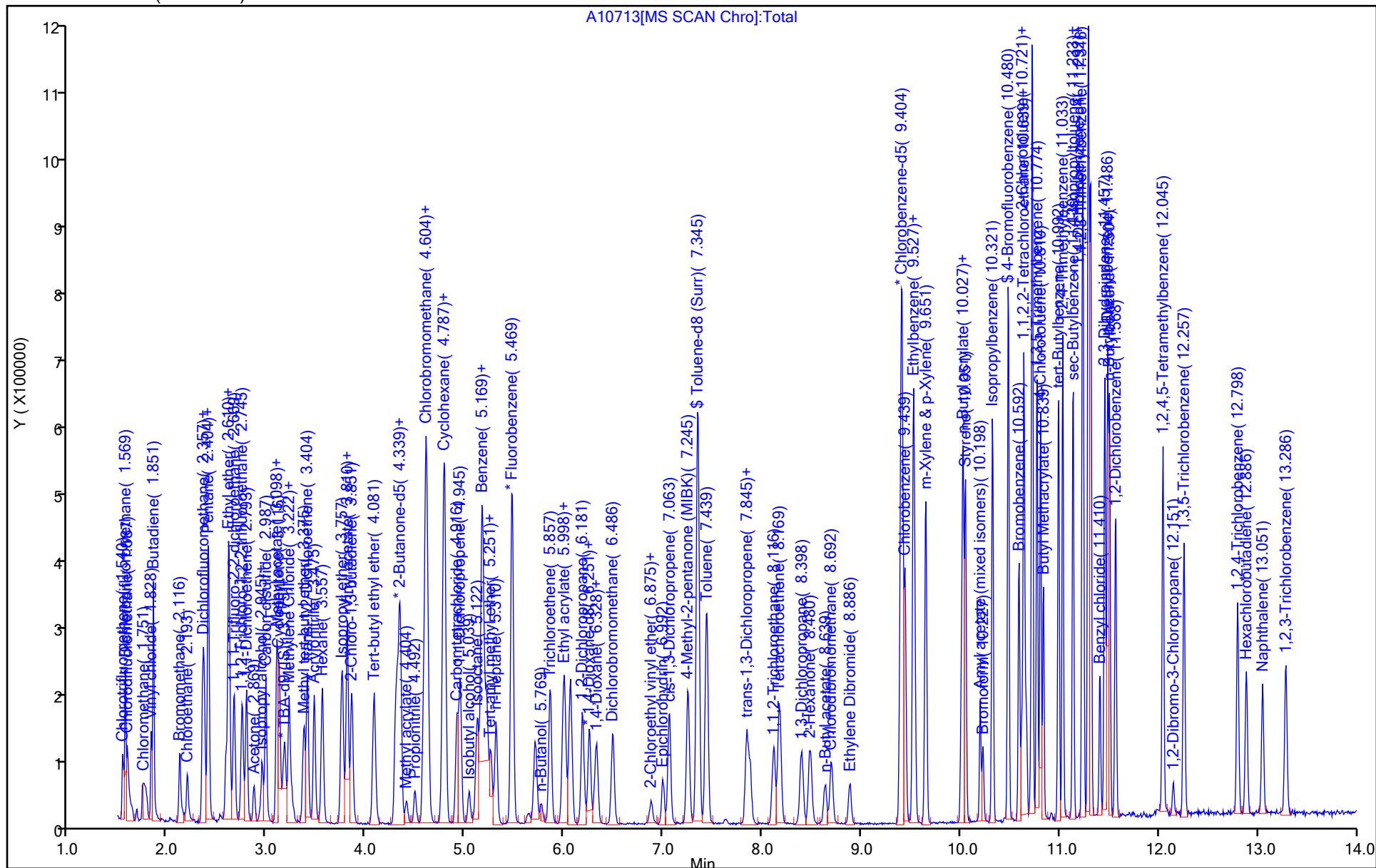
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10713.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Mar-2024 10:27:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173435-003
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 10:45:36 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 10:45:46

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	49.6	99.21
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	48.0	95.93
\$ 83 Toluene-d8 (Surr)	50.0	50.5	101.01
\$ 105 4-Bromofluorobenzene	50.0	52.5	105.05

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 460-964128/5

Matrix: Water Lab File ID: V51769.D

Analysis Method: 624.1 Date Collected: _____

Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 20:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	17.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	17.8		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.15
75-34-3	1,1-Dichloroethane	19.9		1.0	0.26
75-35-4	1,1-Dichloroethene	19.5		1.0	0.12
107-06-2	1,2-Dichloroethane	17.5		1.0	0.84
78-87-5	1,2-Dichloropropane	18.5		1.0	0.35
78-93-3	2-Butanone	87.9		5.0	1.9
591-78-6	2-Hexanone	97.7		5.0	2.9
108-10-1	4-Methyl-2-pentanone	101		5.0	2.7
67-64-1	Acetone	89.2		6.0	5.0
71-43-2	Benzene	20.0		1.0	0.43
75-27-4	Bromodichloromethane	17.7		1.0	0.34
75-25-2	Bromoform	15.9		1.0	0.54
74-83-9	Bromomethane	16.7		1.0	0.45
75-15-0	Carbon disulfide	18.2		1.0	0.16
56-23-5	Carbon tetrachloride	17.6		1.0	0.21
108-90-7	Chlorobenzene	19.5		1.0	0.38
67-66-3	Chloroform	18.9		1.0	0.33
74-87-3	Chloromethane	21.4		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	19.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.9		1.0	0.46
124-48-1	Dibromochloromethane	16.9		1.0	0.13
75-00-3	Ethyl Chloride	17.6		1.0	0.32
100-41-4	Ethylbenzene	19.1		1.0	0.30
75-09-2	Methylene Chloride	20.3		1.0	0.32
1634-04-4	MTBE	17.7		1.0	0.20
100-42-5	Styrene	18.1		1.0	0.42
75-65-0	TBA	176		10	8.3
127-18-4	Tetrachloroethene	18.8		1.0	0.25
108-88-3	Toluene	19.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.4		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.1		1.0	0.22
79-01-6	Trichloroethene	19.2		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-964128/5
Matrix: Water Lab File ID: V51769.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/14/2024 20:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964128 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	19.4		1.0	0.34
1330-20-7	Xylenes, Total	38.2		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		49-149
460-00-4	Bromofluorobenzene	97		66-132
1868-53-7	Dibromofluoromethane (Surr)	97		55-150
2037-26-5	Toluene-d8 (Surr)	103		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51769.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 14-Mar-2024 20:33:30 ALS Bottle#: 54 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0173397-005
 Operator ID: Instrument ID: CVOAMS7
 Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:42:33 Calib Date: 05-Jan-2024 09:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\49196.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
 Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 20:58:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.151	1.163	-0.012	73	5043	NC	NC	
3 Chlorotrifluoroethene	116	1.220	1.231	-0.011	96	50311	NC	NC	
4 1,1-Difluoroethane	65	1.231	1.243	-0.012	95	100304	NC	NC	
5 Dichlorodifluoromethane	85	1.243	1.254	-0.011	99	300337	20.0	23.4	
2 Chlorodifluoromethane	67	1.265	1.265	0.000	99	39703	NC	NC	
6 Chloromethane	50	1.380	1.380	0.000	100	325347	20.0	21.4	
7 Vinyl chloride	62	1.437	1.437	0.000	99	301591	20.0	19.4	
8 Butadiene	54	1.448	1.460	-0.012	96	295152	20.0	20.1	
9 Bromomethane	94	1.643	1.654	-0.011	98	121084	20.0	16.7	
10 Chloroethane	64	1.711	1.711	0.000	100	171859	20.0	17.6	
11 Dichlorofluoromethane	67	1.826	1.825	0.001	99	426856	NC	NC	
12 Trichlorofluoromethane	101	1.837	1.837	0.000	98	315095	20.0	20.1	
13 Pentane	72	1.871	1.871	0.000	97	78101	40.0	41.1	
17 Ethanol	46	1.974	1.974	0.000	98	30874	800.0	1146.8	
14 Ethyl ether	74	2.008	2.008	0.000	94	125002	20.0	17.8	
15 2-Methyl-1,3-butadiene	53	2.020	2.031	-0.011	98	217728	20.0	18.9	
16 1,2-Dichloro-1,1,2-trifluoroethane	117	2.031	2.031	0.000	96	160836	NC	NC	
19 1,1,1-Trifluoro-2,2-dichloroethane	83	2.077	2.077	0.000	97	295161	NC	NC	
18 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.134	2.134	0.000	95	193694	20.0	20.1	
52 Acrolein	56	2.146	2.145	0.001	94	31714	40.0	35.3	
20 1,1-Dichloroethene	96	2.168	2.168	0.000	95	180125	20.0	19.5	
23 Acetone	43	2.226	2.225	0.001	85	271196	100.0	89.2	
21 Iodomethane	142	2.283	2.294	-0.011	98	169560	20.0	18.9	
24 Isopropyl alcohol	45	2.294	2.294	0.000	61	81064	200.0	229.2	
22 Carbon disulfide	76	2.317	2.317	0.000	100	673771	20.0	18.2	
30 Methyl acetate	43	2.408	2.408	0.000	98	305167	40.0	37.2	
26 3-Chloro-1-propene	76	2.408	2.408	0.000	97	152335	20.0	20.7	
25 Cyclopentene	67	2.431	2.431	0.000	95	502997	NC	NC	
27 Acetonitrile	41	2.454	2.454	0.000	96	208257	200.0	201.2	a
* 28 TBA-d9 (IS)	66	2.477	2.488	-0.011	99	45510	1000.0	1000.0	
29 Methylene Chloride	84	2.511	2.511	0.000	98	219843	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 2-Methyl-2-propanol	59	2.546	2.546	0.000	97	124930	200.0	176.5	
32 Methyl tert-butyl ether	73	2.626	2.626	0.000	98	580929	20.0	17.7	
33 trans-1,2-Dichloroethene	96	2.660	2.660	0.000	99	209056	20.0	19.4	
35 Acrylonitrile	53	2.706	2.706	0.000	95	725991	200.0	200.9	
36 Hexane	57	2.774	2.786	-0.012	94	322829	20.0	22.6	
37 Isopropyl ether	45	2.946	2.946	0.000	97	834927	20.0	20.7	
38 1,1-Dichloroethane	63	2.980	2.980	0.000	99	439334	20.0	19.9	
40 Vinyl acetate	43	2.991	2.991	0.000	100	903876	40.0	41.0	
39 2-Chloro-1,3-butadiene	88	3.026	3.026	0.000	93	192578	NC	NC	
41 Tert-butyl ethyl ether	59	3.209	3.208	0.001	89	677486	NC	NC	
* 42 2-Butanone-d5	46	3.391	3.391	0.000	96	526243	250.0	250.0	
43 2,2-Dichloropropane	97	3.403	3.403	0.000	95	68074	20.0	16.6	
45 cis-1,2-Dichloroethene	96	3.437	3.437	0.000	93	229053	20.0	19.2	
44 2-Butanone (MEK)	72	3.437	3.437	0.000	95	99160	100.0	87.9	
47 Ethyl acetate	70	3.437	3.448	-0.011	94	37884	40.0	37.8	
46 Methyl acrylate	55	3.494	3.494	0.000	99	155239	NC	NC	
48 Propionitrile	54	3.551	3.563	-0.012	97	249627	NC	NC	
54 Methacrylonitrile	67	3.643	3.643	0.000	96	823899	NC	NC	
49 Chlorobromomethane	128	3.643	3.643	0.000	99	101756	20.0	18.8	
50 Tetrahydrofuran	72	3.643	3.643	0.000	48	39317	40.0	27.4	
51 Chloroform	83	3.689	3.688	0.001	98	371159	20.0	18.9	
53 Cyclohexane	84	3.803	3.803	0.000	97	340260	20.0	21.1	
55 1,1,1-Trichloroethane	97	3.814	3.814	0.000	96	313296	20.0	17.9	
\$ 56 Dibromofluoromethane (Surr)	113	3.826	3.826	0.000	96	308540	50.0	48.6	
57 Carbon tetrachloride	117	3.929	3.929	0.000	97	256939	20.0	17.6	
58 1,1-Dichloropropene	75	3.951	3.963	-0.012	95	311316	20.0	19.2	
61 Isobutyl alcohol	43	4.089	4.089	0.000	53	276645	NC	NC	
64 Isooctane	57	4.100	4.100	0.000	99	629357	NC	NC	
59 Benzene	78	4.134	4.134	0.000	98	893898	20.0	20.0	
\$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.157	4.157	0.000	97	384401	50.0	48.6	
66 Isopropyl acetate	87	4.191	4.191	0.000	95	172265	20.0	17.0	
62 Tert-amyl methyl ether	73	4.191	4.191	0.000	91	598930	NC	NC	
63 1,2-Dichloroethane	62	4.226	4.226	0.000	97	282010	20.0	17.5	
65 n-Heptane	57	4.283	4.283	0.000	98	133255	20.0	21.6	
* 67 Fluorobenzene	96	4.409	4.409	0.000	98	1190693	50.0	50.0	
69 Trichloroethene	95	4.763	4.763	0.000	97	212857	20.0	19.2	
70 n-Butanol	56	4.774	4.786	-0.012	25	40237	500.0	326.9	a
72 Methylcyclohexane	83	4.877	4.877	0.000	87	342201	20.0	20.2	
71 Ethyl acrylate	99	4.877	4.889	-0.012	96	24922	20.0	15.7	
73 1,2-Dichloropropane	63	5.049	5.049	0.000	89	225276	20.0	18.5	
* 68 1,4-Dioxane-d8	96	5.117	5.117	0.000	45	35307	1000.0	1000.0	
74 Methyl methacrylate	100	5.129	5.129	0.000	96	93634	40.0	33.4	
78 1,4-Dioxane	88	5.174	5.174	0.000	36	34548	400.0	322.6	
75 Dibromomethane	93	5.186	5.186	0.000	90	123880	20.0	18.5	
77 n-Propyl acetate	43	5.186	5.197	-0.011	98	312769	20.0	20.5	
76 Dichlorobromomethane	83	5.346	5.346	0.000	98	268442	20.0	17.7	
34 2-Nitropropane	41	5.677	5.677	0.000	96	94310	NC	NC	
79 2-Chloroethyl vinyl ether	63	5.700	5.700	0.000	96	119596	20.0	19.2	
80 Epichlorohydrin	57	5.803	5.803	0.000	99	342088	400.0	378.6	
81 cis-1,3-Dichloropropene	75	5.860	5.860	0.000	97	359457	20.0	18.9	
84 4-Methyl-2-pentanone (MIBK)	43	6.020	6.020	0.000	99	990776	100.0	101.1	
\$ 82 Toluene-d8 (Surr)	98	6.112	6.112	0.000	98	1398742	50.0	51.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	6.192	6.192	0.000	93	910816	20.0	19.4	
85 trans-1,3-Dichloropropene	75	6.592	6.592	0.000	98	312976	20.0	18.1	
86 Ethyl methacrylate	69	6.626	6.626	0.000	93	236751	NC	NC	
87 1,1,2-Trichloroethane	83	6.820	6.820	0.000	94	152979	20.0	19.9	
88 Tetrachloroethene	166	6.866	6.866	0.000	97	191272	20.0	18.8	
89 1,3-Dichloropropane	76	7.049	7.049	0.000	96	329324	20.0	19.8	
91 2-Hexanone	43	7.129	7.129	0.000	99	614951	100.0	97.7	
92 n-Butyl acetate	43	7.277	7.277	0.000	98	326326	20.0	20.1	
90 Chlorodibromomethane	129	7.312	7.312	0.000	97	165897	20.0	16.9	
93 Ethylene Dibromide	107	7.472	7.472	0.000	98	165285	20.0	18.0	
* 94 Chlorobenzene-d5	117	8.043	8.043	0.000	88	806840	50.0	50.0	
95 Chlorobenzene	112	8.078	8.078	0.000	93	537681	20.0	19.5	
97 Ethylbenzene	106	8.169	8.169	0.000	99	293658	20.0	19.1	
96 1,1,1,2-Tetrachloroethane	131	8.192	8.192	0.000	93	174669	20.0	18.1	
98 m-Xylene & p-Xylene	106	8.318	8.318	0.000	98	367649	20.0	19.2	
100 o-Xylene	106	8.763	8.763	0.000	93	353294	20.0	19.0	
99 n-Butyl acrylate	73	8.775	8.775	0.000	96	129524	20.0	15.5	
101 Styrene	104	8.798	8.798	0.000	94	550785	20.0	18.1	
102 Amyl acetate (mixed isomers)	43	9.015	9.015	0.000	89	347840	20.0	19.0	
103 Bromoform	173	9.015	9.015	0.000	93	101470	20.0	15.9	
104 Isopropylbenzene	105	9.141	9.140	0.001	96	906927	20.0	19.4	
\$ 105 4-Bromofluorobenzene	174	9.335	9.335	0.000	0	338124	50.0	48.5	
107 Bromobenzene	156	9.461	9.460	0.001	96	210823	20.0	19.9	
108 1,1,2,2-Tetrachloroethane	83	9.529	9.529	0.000	97	209100	20.0	17.8	
109 N-Propylbenzene	91	9.541	9.541	0.001	99	1092610	20.0	20.1	
115 1,2,3-Trichloropropane	110	9.563	9.563	0.000	97	58696	20.0	17.3	
112 trans-1,4-Dichloro-2-butene	53	9.586	9.586	0.000	90	52512	NC	NC	
114 2-Chlorotoluene	91	9.643	9.643	0.000	97	726095	20.0	19.3	
113 4-Ethyltoluene	105	9.643	9.643	0.000	97	855628	NC	NC	
116 1,3,5-Trimethylbenzene	105	9.712	9.712	0.000	92	732653	20.0	19.5	
110 4-Chlorotoluene	91	9.746	9.746	0.000	99	702471	20.0	19.2	
117 Butyl Methacrylate	87	9.826	9.826	0.000	94	206696	20.0	16.2	
118 tert-Butylbenzene	119	9.986	9.986	0.000	95	619819	20.0	19.6	
119 1,2,4-Trimethylbenzene	105	10.043	10.043	0.000	99	728020	20.0	19.6	
120 sec-Butylbenzene	105	10.181	10.181	0.000	99	879746	20.0	19.9	
121 4-Isopropyltoluene	119	10.306	10.306	0.000	97	725178	20.0	19.3	
122 1,3-Dichlorobenzene	146	10.306	10.306	0.000	73	385996	20.0	18.9	
* 106 1,4-Dichlorobenzene-d4	152	10.375	10.375	0.000	97	374887	50.0	50.0	
124 1,4-Dichlorobenzene	146	10.398	10.398	0.000	92	382658	20.0	18.9	
123 1,2,3-Trimethylbenzene	105	10.409	10.409	0.000	99	738760	20.0	19.1	
125 Benzyl chloride	91	10.512	10.512	0.000	98	335120	20.0	14.7	
111 2,3-Dihydroindene	117	10.569	10.569	0.000	95	711192	NC	NC	
126 p-Diethylbenzene	119	10.626	10.626	0.000	92	413267	NC	NC	
127 n-Butylbenzene	92	10.649	10.649	0.000	98	346459	20.0	18.8	
128 1,2-Dichlorobenzene	146	10.695	10.695	0.000	95	360678	20.0	18.9	
130 1,2,4,5-Tetramethylbenzene	119	11.244	11.244	0.000	98	608689	NC	NC	
129 1,2-Dibromo-3-Chloropropane	157	11.335	11.335	0.000	94	34273	20.0	14.0	
132 1,3,5-Trichlorobenzene	180	11.438	11.438	0.000	97	228064	NC	NC	
131 1,2,4-Trichlorobenzene	180	11.907	11.906	0.001	92	205508	20.0	18.2	
133 Hexachlorobutadiene	225	11.987	11.986	0.001	91	77036	20.0	17.0	
134 Naphthalene	128	12.089	12.089	0.000	99	534311	20.0	17.9	
135 1,2,3-Trichlorobenzene	180	12.261	12.261	0.000	95	189709	20.0	18.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.6	
S 137 Xylenes, Total	100				0		40.0	38.2	
S 138 1,3-Dichloropropene, Total	1				0		40.0	37.0	
S 139 Total BTEX	1				0		100.0	96.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added: 20.00	Units: uL	
GASES Li_00575	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\51769.D

Injection Date: 14-Mar-2024 20:33:30

Instrument ID: CVOAMS7

Lims ID: LCSD

Client ID:

Operator ID:

ALS Bottle#: 54

Worklist Smp#: 5

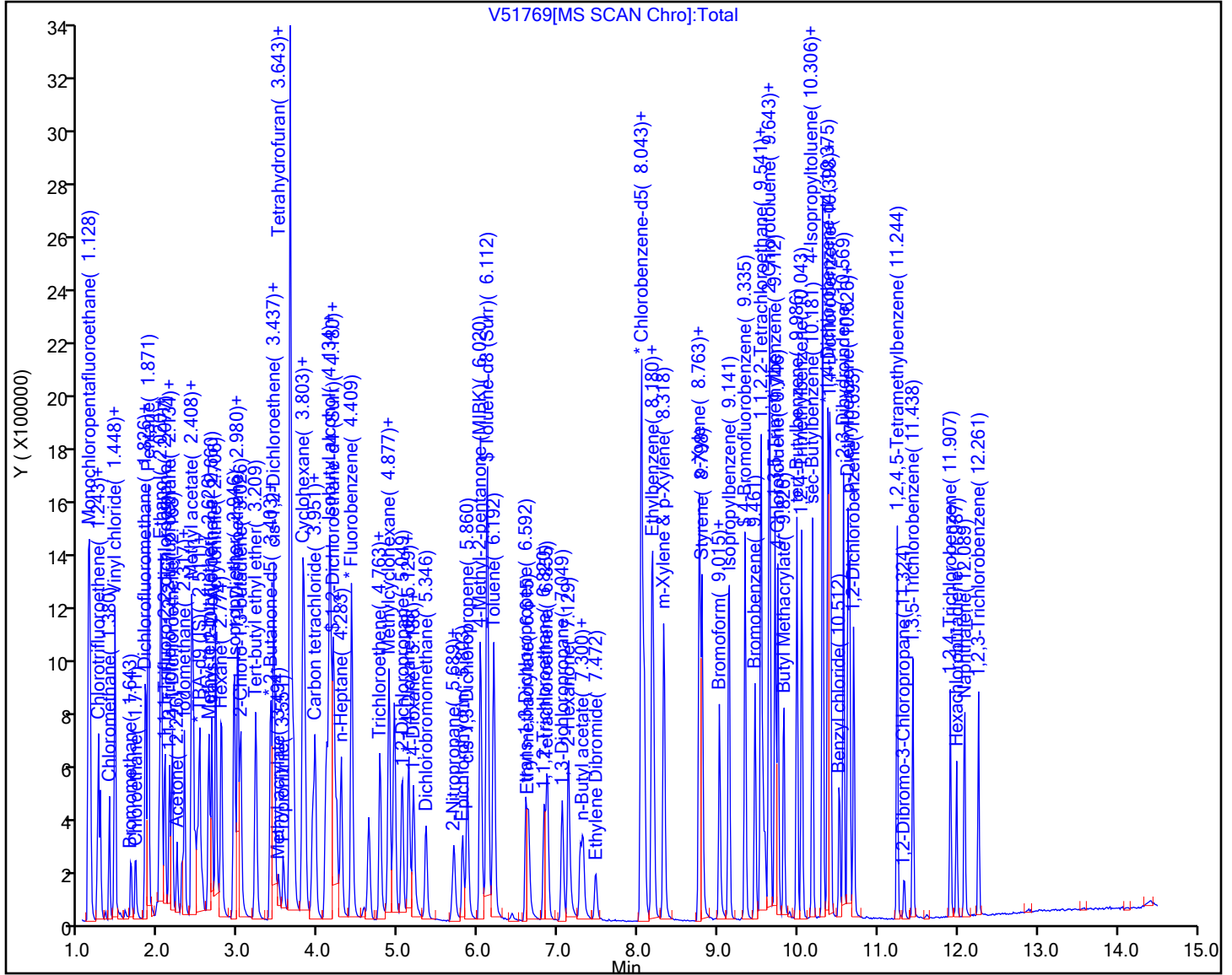
Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260W_7

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\V51769.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 14-Mar-2024 20:33:30 ALS Bottle#: 54 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173397-005
Operator ID: Instrument ID: CVOAMS7
Method: \\chromfs\Edison\ChromData\CVOAMS7\20240314-173397.b\8260W_7.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:42:33 Calib Date: 05-Jan-2024 09:04:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS7\20240104-170980.b\V49196.D
Column 1 : Rtx-624 (0.25 mm) Det: MS Quad
Process Host: CTX1618

First Level Reviewer: C1JX

Date: 14-Mar-2024 20:58:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 56 Dibromofluoromethane (Surr)	50.0	48.6	97.25
\$ 60 1,2-Dichloroethane-d4 (Surr)	50.0	48.6	97.11
\$ 82 Toluene-d8 (Surr)	50.0	51.5	103.10
\$ 105 4-Bromofluorobenzene	50.0	48.5	96.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCSD 460-964280/4</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10714.D</u>
Analysis Method: <u>624.1</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 10:50</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.6		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.0		1.0	0.15
75-34-3	1,1-Dichloroethane	21.3		1.0	0.26
75-35-4	1,1-Dichloroethene	19.3		1.0	0.12
107-06-2	1,2-Dichloroethane	19.2		1.0	0.84
78-87-5	1,2-Dichloropropane	20.5		1.0	0.35
78-93-3	2-Butanone	102		5.0	1.9
591-78-6	2-Hexanone	102		5.0	2.9
108-10-1	4-Methyl-2-pentanone	99.0		5.0	2.7
67-64-1	Acetone	107		6.0	5.0
71-43-2	Benzene	21.9		1.0	0.43
75-27-4	Bromodichloromethane	20.0		1.0	0.34
75-25-2	Bromoform	21.3		1.0	0.54
74-83-9	Bromomethane	20.8		1.0	0.45
75-15-0	Carbon disulfide	21.5		1.0	0.16
56-23-5	Carbon tetrachloride	20.3		1.0	0.21
108-90-7	Chlorobenzene	20.9		1.0	0.38
67-66-3	Chloroform	21.1		1.0	0.33
74-87-3	Chloromethane	19.0		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	20.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.7		1.0	0.46
124-48-1	Dibromochloromethane	19.5		1.0	0.13
75-00-3	Ethyl Chloride	20.1		1.0	0.32
100-41-4	Ethylbenzene	20.7		1.0	0.30
75-09-2	Methylene Chloride	21.4		1.0	0.32
1634-04-4	MTBE	20.0		1.0	0.20
100-42-5	Styrene	21.7		1.0	0.42
75-65-0	TBA	194		10	8.3
127-18-4	Tetrachloroethene	20.6		1.0	0.25
108-88-3	Toluene	20.9		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.2		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.22
79-01-6	Trichloroethene	19.4		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 460-964280/4
Matrix: Water Lab File ID: A10714.D
Analysis Method: 624.1 Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 10:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	18.2		1.0	0.34
1330-20-7	Xylenes, Total	42.3		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		49-149
460-00-4	Bromofluorobenzene	101		66-132
1868-53-7	Dibromofluoromethane (Surr)	99		55-150
2037-26-5	Toluene-d8 (Surr)	100		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10714.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 15-Mar-2024 10:50:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCSD
 Misc. Info.: 460-0173435-004
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 11:50:51 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 11:50:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.540	1.540	0.000	90	20852	NC	NC	
4 Dichlorodifluoromethane	85	1.569	1.569	0.000	99	105816	20.0	17.9	
165 Chlorodifluoromethane	51	1.593	1.587	0.006	97	117115	NC	NC	
6 Chloromethane	50	1.746	1.746	0.000	99	104174	20.0	19.0	
7 Vinyl chloride	62	1.828	1.828	0.000	99	90440	20.0	18.2	
172 Butadiene	39	1.852	1.852	0.000	97	86368	20.0	17.5	
9 Bromomethane	94	2.116	2.116	0.000	99	62056	20.0	20.8	
10 Chloroethane	64	2.193	2.193	0.000	99	52118	20.0	20.1	
174 Dichlorofluoromethane	67	2.352	2.346	0.006	99	143879	NC	NC	
12 Trichlorofluoromethane	101	2.363	2.363	0.000	98	108732	20.0	19.0	
13 Pentane	72	2.405	2.405	0.000	96	21161	40.0	43.7	
19 Acrolein	56	2.405	2.405	0.000	28	5629	40.0	26.5	
14 Ethanol	46	2.522	2.528	-0.006	97	5406	800.0	829.4	
15 Ethyl ether	59	2.587	2.587	0.000	92	43531	20.0	19.8	
16 2-Methyl-1,3-butadiene	53	2.610	2.610	0.000	87	57769	20.0	19.4	
167 1,2-Dichloro-1,1,2-trifluoroethane	17	2.616	2.616	0.000	90	52598	NC	NC	
171 1,1,1-Trifluoro-2,2-dichloroethane	83	2.663	2.663	0.000	96	92374	NC	NC	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.746	2.746	0.000	97	60471	20.0	19.8	
21 1,1-Dichloroethene	96	2.787	2.793	-0.006	98	56573	20.0	19.3	
22 Acetone	58	2.869	2.875	-0.006	86	15843	100.0	106.9	
24 Isopropyl alcohol	45	2.928	2.922	0.006	99	16237	200.0	223.0	
23 Iodomethane	142	2.952	2.952	0.000	100	86126	20.0	21.4	
25 Carbon disulfide	76	2.987	2.987	0.000	100	220147	20.0	21.5	
27 Methyl acetate	43	3.099	3.093	0.006	69	53801	40.0	43.2	
161 3-Chloro-1-propene	76	3.093	3.099	-0.006	92	43569	20.0	22.3	
166 Cyclopentene	67	3.122	3.122	0.000	93	126741	NC	NC	
29 Acetonitrile	41	3.157	3.163	-0.006	97	52060	200.0	230.8	
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	95350	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	95	70912	20.0	21.4	
32 2-Methyl-2-propanol	59	3.252	3.246	0.006	98	24837	200.0	194.4	
33 Methyl tert-butyl ether	73	3.369	3.375	-0.006	97	137441	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	3.404	3.405	0.000	95	69604	20.0	21.2	
35 Acrylonitrile	53	3.475	3.475	0.000	96	123886	200.0	190.5	
36 Hexane	43	3.557	3.557	0.000	92	49860	20.0	19.6	
37 Isopropyl ether	45	3.752	3.757	-0.005	95	196706	20.0	20.0	
39 Vinyl acetate	86	3.810	3.810	0.000	99	18587	40.0	45.8	
38 1,1-Dichloroethane	63	3.804	3.810	-0.006	78	128362	20.0	21.3	
40 2-Chloro-1,3-butadiene	88	3.857	3.857	0.000	93	55795	NC	NC	
41 Tert-butyl ethyl ether	59	4.075	4.081	-0.006	89	163586	NC	NC	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	141348	250.0	250.0	
43 2,2-Dichloropropane	97	4.316	4.316	0.000	98	24144	20.0	21.8	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	97	76207	20.0	20.8	
46 Ethyl acetate	70	4.340	4.346	-0.006	92	8261	40.0	39.9	
45 2-Butanone (MEK)	72	4.357	4.352	0.005	98	20955	100.0	102.5	
47 Methyl acrylate	55	4.404	4.404	0.000	99	31810	NC	NC	
48 Propionitrile	54	4.493	4.493	0.000	98	44817	NC	NC	
50 Chlorobromomethane	128	4.575	4.581	-0.006	90	34070	20.0	21.0	
49 Tetrahydrofuran	42	4.581	4.587	-0.006	60	28856	40.0	39.2	
51 Methacrylonitrile	67	4.604	4.604	0.000	94	156583	NC	NC	
52 Chloroform	83	4.628	4.628	0.000	98	123836	20.0	21.1	
53 Cyclohexane	56	4.781	4.775	0.006	93	98470	20.0	18.6	
54 1,1,1-Trichloroethane	97	4.793	4.787	0.006	82	106431	20.0	20.6	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	96	138227	50.0	49.5	
56 Carbon tetrachloride	117	4.916	4.916	0.000	99	93168	20.0	20.3	
57 1,1-Dichloropropene	75	4.951	4.946	0.005	95	92448	20.0	20.3	
58 Isobutyl alcohol	43	5.034	5.040	-0.006	97	28215	NC	NC	
59 Isooctane	57	5.116	5.122	-0.006	95	129992	NC	NC	
60 Benzene	78	5.169	5.169	0.000	96	268251	20.0	21.9	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.175	5.181	-0.006	0	141465	50.0	47.5	
62 Isopropyl acetate	61	5.198	5.193	0.005	97	17851	20.0	17.9	
63 Tert-amyl methyl ether	87	5.210	5.210	0.000	97	40665	NC	NC	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	96	76196	20.0	19.2	
65 n-Heptane	71	5.322	5.310	0.012	93	33441	20.0	19.6	
* 66 Fluorobenzene	96	5.475	5.469	0.006	98	486434	50.0	50.0	
67 n-Butanol	56	5.775	5.769	0.006	83	18392	500.0	599.1	
68 Trichloroethene	95	5.857	5.857	0.000	97	69811	20.0	19.4	
69 Ethyl acrylate	99	5.981	5.975	0.006	96	7085	20.0	18.8	
70 Methylcyclohexane	83	6.004	5.998	0.006	93	85441	20.0	17.6	
71 1,2-Dichloropropane	63	6.181	6.181	0.000	89	66598	20.0	20.5	
* 73 1,4-Dioxane-d8	96	6.240	6.240	0.000	0	12977	1000.0	1000.0	a
72 Methyl methacrylate	69	6.251	6.251	0.000	88	52579	40.0	35.9	
75 1,4-Dioxane	88	6.298	6.298	0.000	27	7345	400.0	442.2	
74 n-Propyl acetate	43	6.310	6.316	-0.006	99	51259	20.0	18.4	
76 Dibromomethane	93	6.328	6.328	0.000	94	35496	20.0	20.1	
77 Dichlorobromomethane	83	6.493	6.487	0.006	99	89628	20.0	20.0	
78 2-Chloroethyl vinyl ether	63	6.881	6.863	0.018	43	1811	20.0	5.82	
79 2-Nitropropane	41	6.887	6.875	0.012	100	20000	NC	NC	a
80 Epichlorohydrin	57	6.998	6.993	0.006	99	57525	400.0	400.1	
81 cis-1,3-Dichloropropene	75	7.063	7.057	0.006	95	100888	20.0	20.7	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	97	157743	100.0	99.0	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	514812	50.0	50.2	
84 Toluene	91	7.434	7.440	-0.006	94	272604	20.0	20.9	
86 trans-1,3-Dichloropropene	75	7.845	7.845	0.000	98	83061	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Ethyl methacrylate	69	7.881	7.875	0.006	86	50060	NC	NC	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	96	38600	20.0	19.0	
88 Tetrachloroethene	166	8.175	8.181	-0.006	96	71554	20.0	20.6	
89 1,3-Dichloropropane	76	8.398	8.398	0.000	94	81647	20.0	20.3	
90 2-Hexanone	58	8.481	8.487	-0.006	98	55713	100.0	102.5	
91 n-Butyl acetate	73	8.634	8.634	0.000	96	9706	20.0	19.3	
92 Chlorodibromomethane	129	8.698	8.692	0.006	97	55996	20.0	19.5	
93 Ethylene Dibromide	107	8.881	8.881	0.000	98	44348	20.0	20.0	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	387378	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	94	178001	20.0	20.9	
96 Ethylbenzene	106	9.522	9.522	0.000	98	95323	20.0	20.7	
97 1,1,1,2-Tetrachloroethane	131	9.534	9.539	-0.005	95	63610	20.0	22.3	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	120805	20.0	21.3	
99 n-Butyl acrylate	73	10.010	10.010	0.000	95	27620	20.0	18.1	
100 o-Xylene	106	10.028	10.028	0.000	92	117560	20.0	21.1	
101 Styrene	104	10.051	10.051	0.000	96	197467	20.0	21.7	
102 Amyl acetate (mixed isomers)	43	10.198	10.198	0.000	90	66900	20.0	18.1	
103 Bromoform	173	10.228	10.228	0.000	96	36516	20.0	21.3	
104 Isopropylbenzene	105	10.322	10.322	0.000	96	290160	20.0	20.6	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	94	167595	50.0	50.4	
107 Bromobenzene	156	10.592	10.592	0.000	96	76435	20.0	20.8	
106 1,1,2,2-Tetrachloroethane	83	10.622	10.616	0.006	98	47306	20.0	19.6	
108 N-Propylbenzene	91	10.639	10.639	0.000	99	359256	20.0	20.4	
110 1,2,3-Trichloropropane	110	10.657	10.657	0.000	94	15432	20.0	21.7	
109 trans-1,4-Dichloro-2-butene	53	10.669	10.669	0.000	84	17309	NC	NC	
112 2-Chlorotoluene	91	10.728	10.722	0.006	93	247570	20.0	21.1	
169 4-Ethyltoluene	105	10.728	10.728	0.000	88	293234	NC	NC	
113 1,3,5-Trimethylbenzene	105	10.775	10.775	0.000	93	250424	20.0	21.2	
115 4-Chlorotoluene	91	10.810	10.810	0.000	97	226830	20.0	21.3	
114 Butyl Methacrylate	87	10.839	10.839	0.000	92	68551	20.0	19.6	
116 tert-Butylbenzene	119	10.992	10.992	0.000	93	206637	20.0	20.1	
117 1,2,4-Trimethylbenzene	105	11.033	11.033	0.000	98	250241	20.0	19.9	
118 sec-Butylbenzene	134	11.139	11.139	0.000	98	62059	20.0	20.5	
119 4-Isopropyltoluene	119	11.233	11.233	0.000	97	257849	20.0	20.5	
120 1,3-Dichlorobenzene	146	11.245	11.239	0.006	95	150413	20.0	21.6	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	94	217143	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.310	11.304	0.006	95	153065	20.0	21.2	
123 1,2,3-Trimethylbenzene	105	11.322	11.316	0.006	99	262202	20.0	21.1	
124 Benzyl chloride	91	11.410	11.410	0.000	98	104739	20.0	23.6	
162 2,3-Dihydroindene	117	11.457	11.457	0.000	94	246437	NC	NC	
164 p-Diethylbenzene	119	11.486	11.486	0.000	93	158643	NC	NC	
127 n-Butylbenzene	92	11.510	11.504	0.006	97	124846	20.0	20.2	
128 1,2-Dichlorobenzene	146	11.569	11.569	0.000	97	138332	20.0	21.7	
163 1,2,4,5-Tetramethylbenzene	119	12.045	12.045	0.000	98	221245	NC	NC	
130 1,2-Dibromo-3-Chloropropane	157	12.157	12.151	0.006	91	10741	20.0	22.8	
131 1,3,5-Trichlorobenzene	180	12.263	12.257	0.006	93	107612	NC	NC	
132 1,2,4-Trichlorobenzene	180	12.798	12.798	0.000	93	93416	20.0	21.6	
133 Hexachlorobutadiene	225	12.892	12.886	0.006	94	38973	20.0	21.6	
134 Naphthalene	128	13.051	13.051	0.000	99	148256	20.0	20.5	
135 1,2,3-Trichlorobenzene	180	13.286	13.286	0.000	96	73487	20.0	21.2	
S 136 1,2-Dichloroethene, Total	100				0		40.0	42.0	
S 137 Xylenes, Total	100				0		40.0	42.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

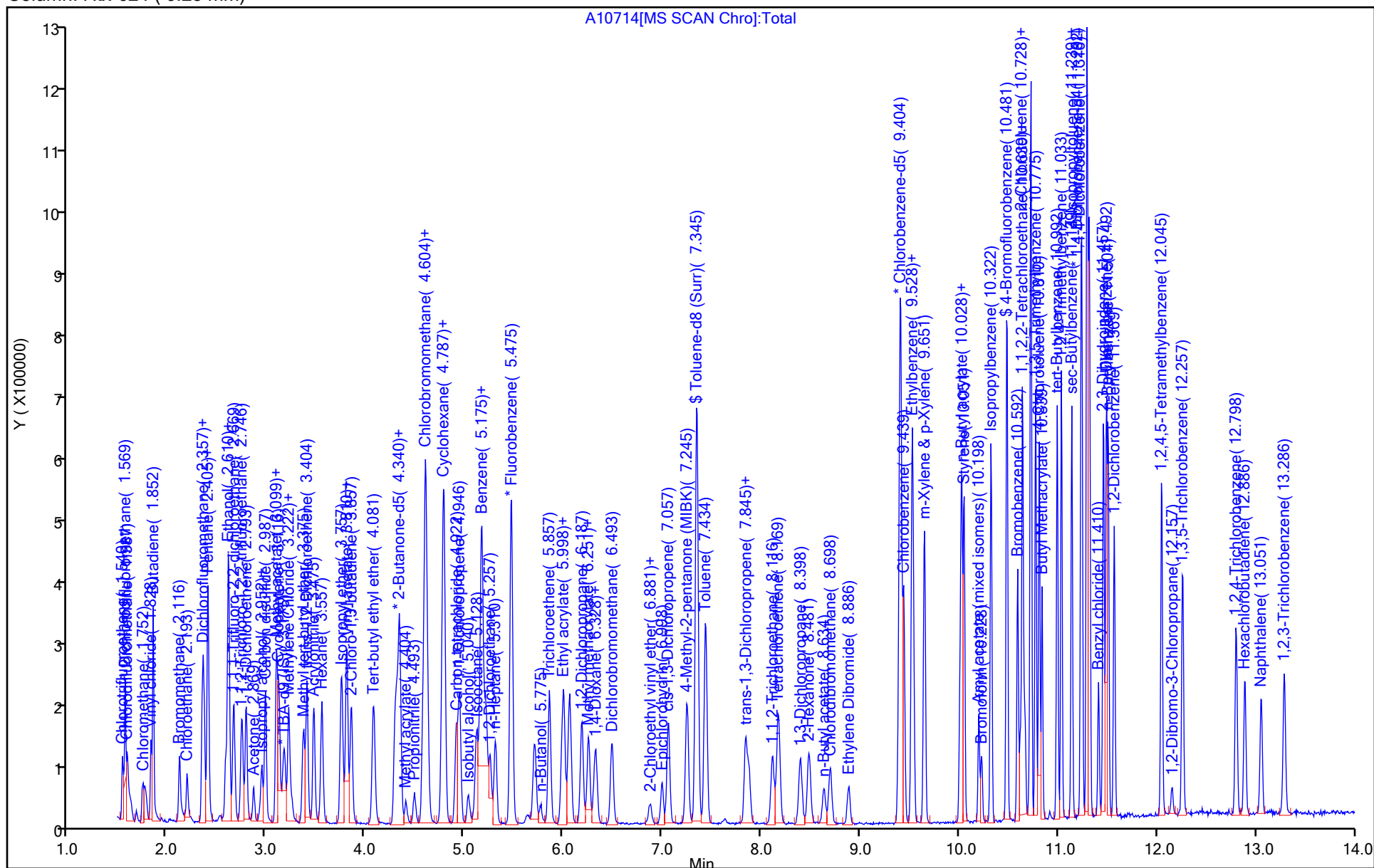
Chrom Revision: 2.3 23-Feb-2024 16:51:14

Operator ID:
Worklist Smp#: 4

ALS Bottle#: 3

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10714.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 15-Mar-2024 10:50:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173435-004
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 11:50:51 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1618

First Level Reviewer: NN6A

Date: 15-Mar-2024 11:50:51

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	49.5	99.06
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	47.5	95.07
\$ 83 Toluene-d8 (Surr)	50.0	50.2	100.36
\$ 105 4-Bromofluorobenzene	50.0	50.4	100.70

Eurofins Edison

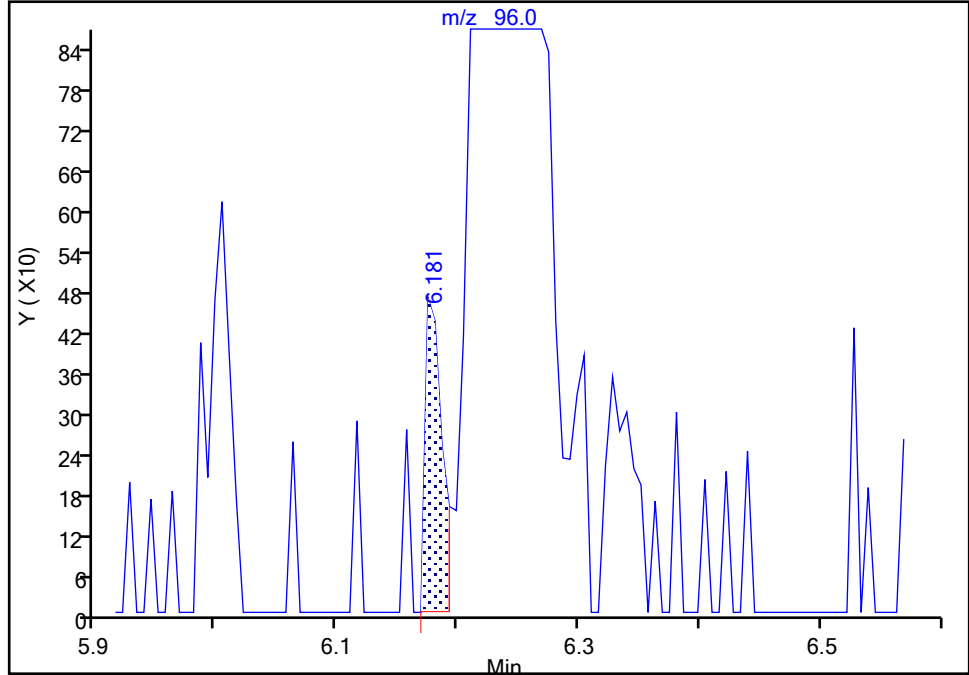
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10714.D
Injection Date: 15-Mar-2024 10:50:30 Instrument ID: CVOAMS1
Lims ID: LCSD
Client ID:
Operator ID:
Purge Vol: 5.000 mL
Method: 8260624W_1
Column: Rtx-624 (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: VOA 624.1 ICAL
Detector: MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4
Signal: 1

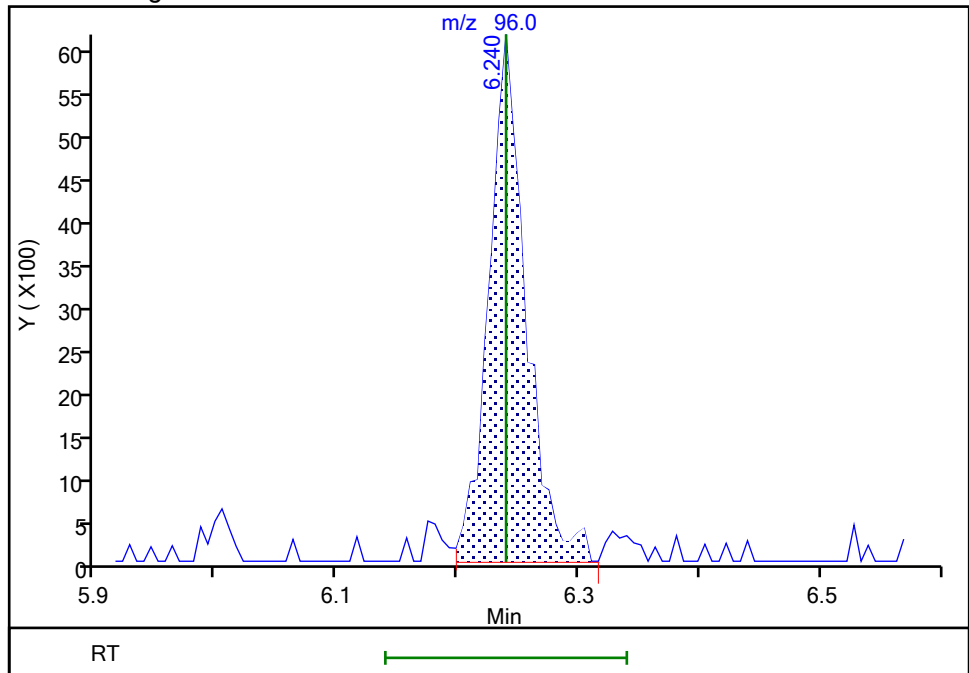
RT: 6.18
Area: 459
Amount: 1000.0000
Amount Units: ug/l

Processing Integration Results



RT: 6.24
Area: 12977
Amount: 1000.0000
Amount Units: ug/l

Manual Integration Results



Reviewer: NN6A, 15-Mar-2024 11:49:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-05B_20240311 MS</u>	Lab Sample ID: <u>460-299781-1 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10722.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 13:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.6		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.0		1.0	0.15
75-34-3	1,1-Dichloroethane	19.7		1.0	0.26
75-35-4	1,1-Dichloroethene	18.4		1.0	0.12
107-06-2	1,2-Dichloroethane	19.9		1.0	0.84
78-87-5	1,2-Dichloropropane	19.4		1.0	0.35
78-93-3	2-Butanone	96.6		5.0	1.9
591-78-6	2-Hexanone	94.1		5.0	2.9
108-10-1	4-Methyl-2-pentanone	99.8		5.0	2.7
67-64-1	Acetone	98.7		6.0	5.0
71-43-2	Benzene	21.8		1.0	0.43
75-27-4	Bromodichloromethane	18.8		1.0	0.34
75-25-2	Bromoform	21.6		1.0	0.54
74-83-9	Bromomethane	19.3		1.0	0.45
75-15-0	Carbon disulfide	20.0		1.0	0.16
56-23-5	Carbon tetrachloride	20.6		1.0	0.21
108-90-7	Chlorobenzene	20.4		1.0	0.38
67-66-3	Chloroform	20.7		1.0	0.33
74-87-3	Chloromethane	17.9		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	18.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.1		1.0	0.46
124-48-1	Dibromochloromethane	20.2		1.0	0.13
75-00-3	Ethyl Chloride	18.3		1.0	0.32
100-41-4	Ethylbenzene	20.8		1.0	0.30
75-09-2	Methylene Chloride	20.1		1.0	0.32
1634-04-4	MTBE	19.8		1.0	0.20
100-42-5	Styrene	20.5		1.0	0.42
75-65-0	TBA	201		10	8.3
127-18-4	Tetrachloroethene	19.9		1.0	0.25
108-88-3	Toluene	20.5		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	20.1		1.0	0.22
79-01-6	Trichloroethene	18.4		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-05B_20240311 MS Lab Sample ID: 460-299781-1 MS
Matrix: Water Lab File ID: A10722.D
Analysis Method: 624.1 Date Collected: 03/11/2024 13:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 13:57
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	17.5		1.0	0.34
1330-20-7	Xylenes, Total	40.7		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		49-149
460-00-4	Bromofluorobenzene	106		66-132
1868-53-7	Dibromofluoromethane (Surr)	102		55-150
2037-26-5	Toluene-d8 (Surr)	105		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10722.D
 Lims ID: 460-299781-B-1 MS
 Client ID: MW-05B_20240311
 Sample Type: MS
 Inject. Date: 15-Mar-2024 13:57:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-B-1 MS
 Misc. Info.: 460-0173435-013
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:36:09 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: XE5L

Date: 15-Mar-2024 14:45:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chloromethane	50	1.746	1.746	0.000	98	92021	20.0	17.9	
7 Vinyl chloride	62	1.828	1.828	0.000	98	81724	20.0	17.5	
9 Bromomethane	94	2.116	2.116	0.000	97	54106	20.0	19.3	
10 Chloroethane	64	2.193	2.193	0.000	99	44609	20.0	18.3	
21 1,1-Dichloroethene	96	2.793	2.793	0.000	96	50835	20.0	18.4	
22 Acetone	58	2.863	2.875	-0.012	86	13639	100.0	98.7	
25 Carbon disulfide	76	2.987	2.987	0.000	100	193325	20.0	20.0	
* 30 TBA-d9 (IS)	65	3.181	3.181	0.000	0	92399	1000.0	1000.0	
31 Methylene Chloride	84	3.228	3.222	0.006	96	62520	20.0	20.1	
32 2-Methyl-2-propanol	59	3.252	3.246	0.006	96	24941	200.0	201.5	
33 Methyl tert-butyl ether	73	3.375	3.375	0.000	97	128071	20.0	19.8	
34 trans-1,2-Dichloroethene	96	3.410	3.405	0.006	95	63922	20.0	20.7	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	73	111575	20.0	19.7	
* 42 2-Butanone-d5	46	4.293	4.293	0.000	0	131765	250.0	250.0	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	94	64777	20.0	18.8	
45 2-Butanone (MEK)	72	4.351	4.352	-0.001	97	18425	100.0	96.6	
52 Chloroform	83	4.622	4.628	-0.006	98	113889	20.0	20.7	
54 1,1,1-Trichloroethane	97	4.793	4.787	0.006	79	95245	20.0	19.6	
\$ 55 Dibromofluoromethane (Surr)	113	4.793	4.793	0.000	97	134264	50.0	51.2	
56 Carbon tetrachloride	117	4.916	4.916	0.000	98	88666	20.0	20.6	
60 Benzene	78	5.169	5.169	0.000	95	242593	20.0	21.8	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	138362	50.0	49.5	
64 1,2-Dichloroethane	62	5.263	5.257	0.006	97	74229	20.0	19.9	
* 66 Fluorobenzene	96	5.475	5.469	0.006	99	457331	50.0	50.0	
68 Trichloroethene	95	5.857	5.857	0.000	95	62201	20.0	18.4	
71 1,2-Dichloropropane	63	6.187	6.181	0.006	88	59099	20.0	19.4	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	13048	1000.0	1000.0	
77 Dichlorobromomethane	83	6.487	6.487	0.000	99	79295	20.0	18.8	
81 cis-1,3-Dichloropropene	75	7.057	7.057	0.000	94	89361	20.0	20.1	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	98	148151	100.0	99.8	
\$ 83 Toluene-d8 (Surr)	98	7.345	7.345	0.000	99	488861	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	7.439	7.440	-0.001	93	243474	20.0	20.5	
86 trans-1,3-Dichloropropene	75	7.839	7.845	-0.006	97	75620	20.0	20.1	
87 1,1,2-Trichloroethane	83	8.116	8.110	0.006	95	35066	20.0	19.0	
88 Tetrachloroethene	166	8.175	8.181	-0.006	96	63035	20.0	19.9	
90 2-Hexanone	58	8.481	8.487	-0.006	98	47707	100.0	94.1	
92 Chlorodibromomethane	129	8.698	8.692	0.006	97	52940	20.0	20.2	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	87	352850	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	95	158248	20.0	20.4	
96 Ethylbenzene	106	9.528	9.522	0.006	98	87200	20.0	20.8	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	103203	20.0	19.9	
100 o-Xylene	106	10.022	10.028	-0.006	94	105535	20.0	20.8	
101 Styrene	104	10.051	10.051	0.000	96	170007	20.0	20.5	
103 Bromoform	173	10.228	10.228	0.000	93	33754	20.0	21.6	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	93	160278	50.0	52.9	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	98	44699	20.0	20.6	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	95	194804	50.0	50.0	
S 137 Xylenes, Total	100				0		40.0	40.7	

QC Flag Legend

Processing Flags

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 15-Mar-2024 14:45:43

Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10722.D

Injection Date: 15-Mar-2024 13:57:30

Instrument ID: CVOAMS1

Operator ID:

Lims ID: 460-299781-B-1 MS

Worklist Smp#: 13

Client ID: MW-05B_20240311

Purge Vol: 5.000 mL

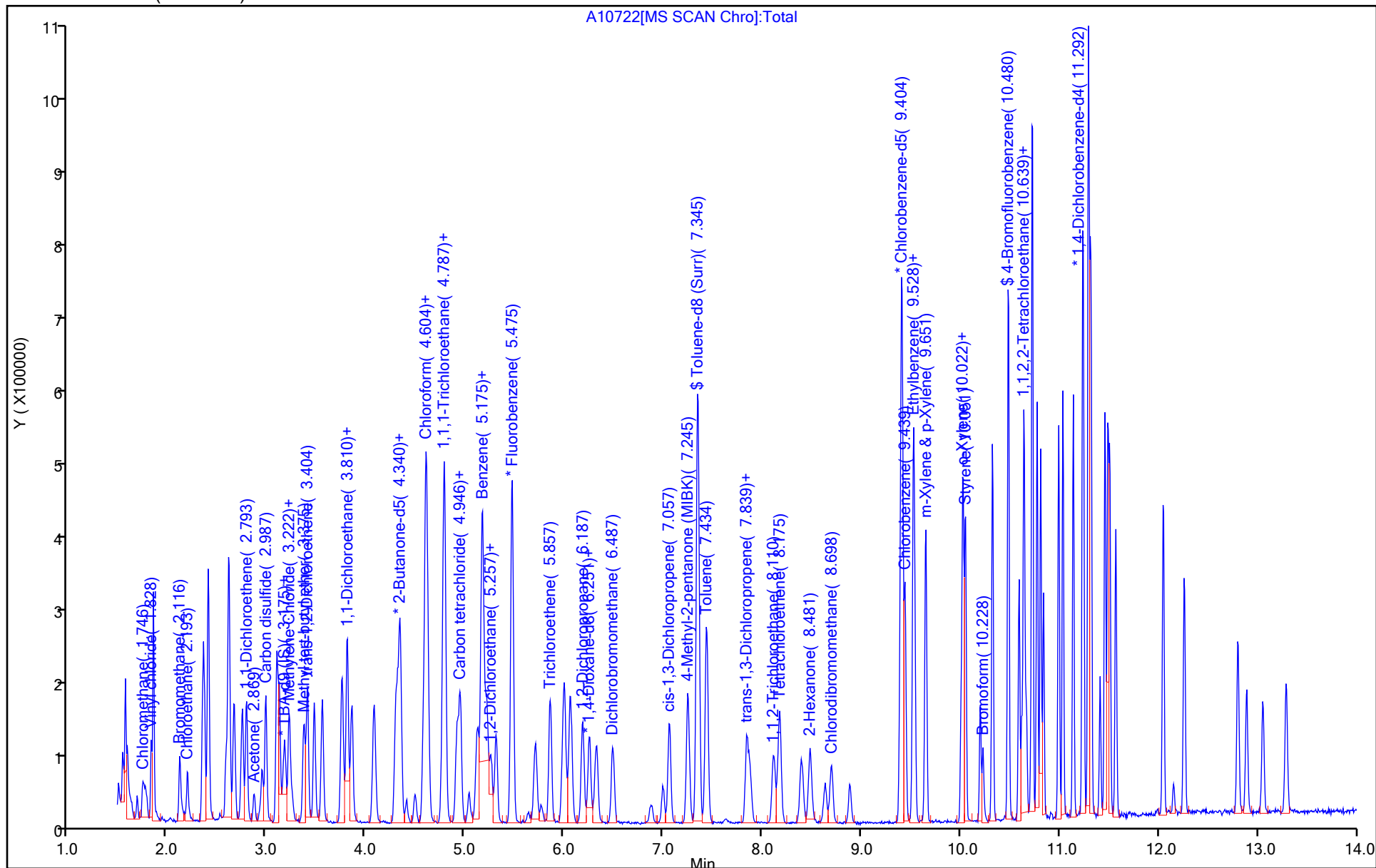
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10722.D
Lims ID: 460-299781-B-1 MS
Client ID: MW-05B_20240311
Sample Type: MS
Inject. Date: 15-Mar-2024 13:57:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-B-1 MS
Misc. Info.: 460-0173435-013
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:36:09 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1675

First Level Reviewer: XE5L

Date: 15-Mar-2024 14:45:42

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	51.2	102.34
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.5	98.90
\$ 83 Toluene-d8 (Surr)	50.0	52.3	104.62
\$ 105 4-Bromofluorobenzene	50.0	52.9	105.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Edison</u>	Job No.: <u>460-299781-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-05B_20240311 MSD</u>	Lab Sample ID: <u>460-299781-1 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>A10723.D</u>
Analysis Method: <u>624.1</u>	Date Collected: <u>03/11/2024 13:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>03/15/2024 14:20</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>Rtx-624</u> ID: <u>0.25 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>964280</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.1		1.0	0.15
75-34-3	1,1-Dichloroethane	20.8		1.0	0.26
75-35-4	1,1-Dichloroethene	19.9		1.0	0.12
107-06-2	1,2-Dichloroethane	19.9		1.0	0.84
78-87-5	1,2-Dichloropropane	19.1		1.0	0.35
78-93-3	2-Butanone	94.9		5.0	1.9
591-78-6	2-Hexanone	99.8		5.0	2.9
108-10-1	4-Methyl-2-pentanone	101		5.0	2.7
67-64-1	Acetone	88.0		6.0	5.0
71-43-2	Benzene	21.8		1.0	0.43
75-27-4	Bromodichloromethane	20.2		1.0	0.34
75-25-2	Bromoform	22.0		1.0	0.54
74-83-9	Bromomethane	20.4		1.0	0.45
75-15-0	Carbon disulfide	22.0		1.0	0.16
56-23-5	Carbon tetrachloride	21.2		1.0	0.21
108-90-7	Chlorobenzene	20.7		1.0	0.38
67-66-3	Chloroform	21.2		1.0	0.33
74-87-3	Chloromethane	18.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	20.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.5		1.0	0.46
124-48-1	Dibromochloromethane	21.5		1.0	0.13
75-00-3	Ethyl Chloride	19.7		1.0	0.32
100-41-4	Ethylbenzene	21.4		1.0	0.30
75-09-2	Methylene Chloride	21.5		1.0	0.32
1634-04-4	MTBE	20.4		1.0	0.20
100-42-5	Styrene	21.1		1.0	0.42
75-65-0	TBA	215		10	8.3
127-18-4	Tetrachloroethene	21.0		1.0	0.25
108-88-3	Toluene	21.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	19.9		1.0	0.22
79-01-6	Trichloroethene	19.1		1.0	0.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1
SDG No.: _____
Client Sample ID: MW-05B_20240311 MSD Lab Sample ID: 460-299781-1 MSD
Matrix: Water Lab File ID: A10723.D
Analysis Method: 624.1 Date Collected: 03/11/2024 13:00
Sample wt/vol: 5 (mL) Date Analyzed: 03/15/2024 14:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 964280 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	18.3		1.0	0.34
1330-20-7	Xylenes, Total	41.8		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		49-149
460-00-4	Bromofluorobenzene	97		66-132
1868-53-7	Dibromofluoromethane (Surr)	99		55-150
2037-26-5	Toluene-d8 (Surr)	98		69-121

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10723.D
 Lims ID: 460-299781-C-1 MSD
 Client ID: MW-05B_20240311
 Sample Type: MSD
 Inject. Date: 15-Mar-2024 14:20:30 ALS Bottle#: 12 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-299781-B-1 MSD
 Misc. Info.: 460-0173435-014
 Operator ID: Instrument ID: CVOAMS1
 Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
 Limit Group: VOA 624.1 ICAL
 Last Update: 15-Mar-2024 12:36:09 Calib Date: 15-Feb-2024 12:52:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: CTX1675

First Level Reviewer: XE5L

Date: 15-Mar-2024 14:46:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chloromethane	50	1.746	1.746	0.000	99	98377	20.0	18.7	
7 Vinyl chloride	62	1.828	1.828	0.000	99	86883	20.0	18.3	
9 Bromomethane	94	2.116	2.116	0.000	98	58429	20.0	20.4	
10 Chloroethane	64	2.193	2.193	0.000	99	48889	20.0	19.7	
21 1,1-Dichloroethene	96	2.793	2.793	0.000	98	56015	20.0	19.9	
22 Acetone	58	2.863	2.875	-0.012	85	12934	100.0	88.0	
25 Carbon disulfide	76	2.987	2.987	0.000	100	216065	20.0	22.0	
* 30 TBA-d9 (IS)	65	3.175	3.181	-0.006	0	97602	1000.0	1000.0	
31 Methylene Chloride	84	3.222	3.222	0.000	96	68510	20.0	21.5	
32 2-Methyl-2-propanol	59	3.251	3.246	0.005	97	28175	200.0	215.5	
33 Methyl tert-butyl ether	73	3.369	3.375	-0.006	98	134738	20.0	20.4	
34 trans-1,2-Dichloroethene	96	3.410	3.405	0.006	95	65918	20.0	21.0	
38 1,1-Dichloroethane	63	3.810	3.810	0.000	75	120385	20.0	20.8	
* 42 2-Butanone-d5	46	4.292	4.293	-0.001	0	140173	250.0	250.0	
44 cis-1,2-Dichloroethene	96	4.340	4.340	0.000	96	72315	20.0	20.5	
45 2-Butanone (MEK)	72	4.351	4.352	-0.001	96	19256	100.0	94.9	
52 Chloroform	83	4.622	4.628	-0.006	98	119167	20.0	21.2	
54 1,1,1-Trichloroethane	97	4.792	4.787	0.005	83	106617	20.0	21.5	
\$ 55 Dibromofluoromethane (Surr)	113	4.792	4.793	-0.001	97	132069	50.0	49.3	
56 Carbon tetrachloride	117	4.916	4.916	0.000	98	93306	20.0	21.2	
60 Benzene	78	5.169	5.169	0.000	95	256719	20.0	21.8	
\$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.181	5.181	0.000	0	137929	50.0	48.3	
64 1,2-Dichloroethane	62	5.257	5.257	0.000	98	75942	20.0	19.9	
* 66 Fluorobenzene	96	5.469	5.469	0.000	99	466709	50.0	50.0	
68 Trichloroethene	95	5.857	5.857	0.000	97	65998	20.0	19.1	
71 1,2-Dichloropropane	63	6.186	6.181	0.005	86	59414	20.0	19.1	
* 73 1,4-Dioxane-d8	96	6.234	6.240	-0.006	0	12939	1000.0	1000.0	
77 Dichlorobromomethane	83	6.492	6.487	0.005	99	87213	20.0	20.2	
81 cis-1,3-Dichloropropene	75	7.063	7.057	0.006	93	101353	20.0	21.5	
82 4-Methyl-2-pentanone (MIBK)	43	7.251	7.251	0.000	98	160221	100.0	101.4	
\$ 83 Toluene-d8 (Surr)	98	7.351	7.345	0.006	99	482418	50.0	48.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	7.439	7.440	-0.001	93	268389	20.0	21.3	
86 trans-1,3-Dichloropropene	75	7.845	7.845	0.000	98	79188	20.0	19.9	
87 1,1,2-Trichloroethane	83	8.110	8.110	0.000	92	37427	20.0	19.1	
88 Tetrachloroethene	166	8.175	8.181	-0.006	97	70151	20.0	21.0	
90 2-Hexanone	58	8.486	8.487	-0.001	98	53812	100.0	99.8	
92 Chlorodibromomethane	129	8.698	8.692	0.006	95	59699	20.0	21.5	
* 94 Chlorobenzene-d5	117	9.410	9.410	0.000	86	373432	50.0	50.0	
95 Chlorobenzene	112	9.439	9.439	0.000	95	170145	20.0	20.7	
96 Ethylbenzene	106	9.522	9.522	0.000	98	94916	20.0	21.4	
98 m-Xylene & p-Xylene	106	9.651	9.651	0.000	0	111993	20.0	20.4	
100 o-Xylene	106	10.022	10.028	-0.006	94	115054	20.0	21.4	
101 Styrene	104	10.051	10.051	0.000	96	184649	20.0	21.1	
103 Bromoform	173	10.227	10.228	-0.001	96	36439	20.0	22.0	
\$ 105 4-Bromofluorobenzene	174	10.486	10.481	0.005	92	155948	50.0	48.6	
106 1,1,2,2-Tetrachloroethane	83	10.616	10.616	0.000	95	49601	20.0	21.5	
* 121 1,4-Dichlorobenzene-d4	152	11.292	11.292	0.000	95	207143	50.0	50.0	
S 137 Xylenes, Total	100				0		40.0	41.8	

QC Flag Legend

Processing Flags

Reagents:

GASES Li_00575	Amount Added: 20.00	Units: uL	
524FREONS_00015	Amount Added: 20.00	Units: uL	
ACROLEIN W_00166	Amount Added: 4.00	Units: uL	
8260MIX1COMB_00184	Amount Added: 20.00	Units: uL	
8260ISNEW_00192	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00245	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 15-Mar-2024 14:46:10

Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10723.D

Injection Date: 15-Mar-2024 14:20:30

Instrument ID: CVOAMS1

Operator ID:

Lims ID: 460-299781-C-1 MSD

Worklist Smp#: 14

Client ID: MW-05B_20240311

Purge Vol: 5.000 mL

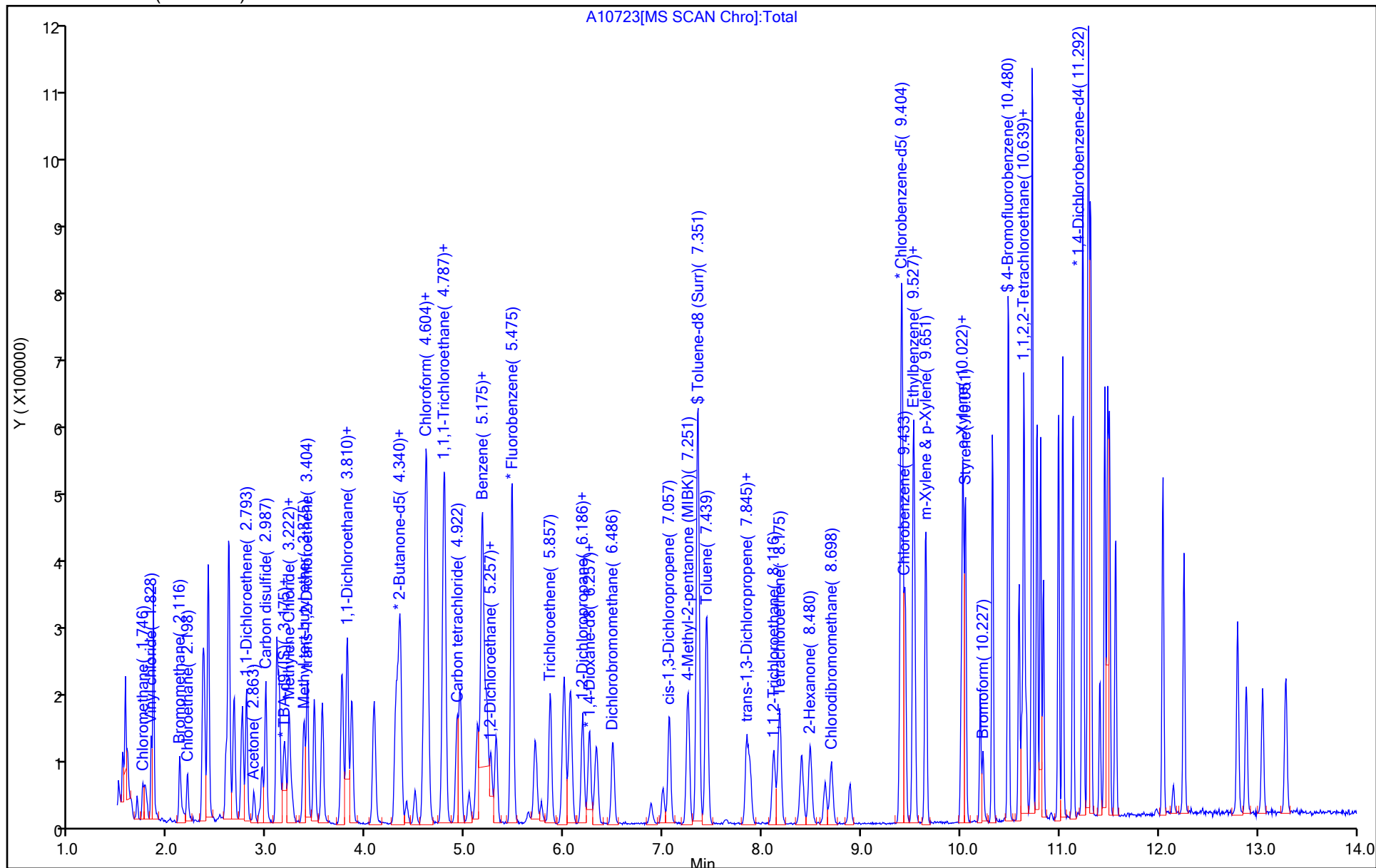
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260624W_1

Limit Group: VOA 624.1 ICAL

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\A10723.D
Lims ID: 460-299781-C-1 MSD
Client ID: MW-05B_20240311
Sample Type: MSD
Inject. Date: 15-Mar-2024 14:20:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-299781-B-1 MSD
Misc. Info.: 460-0173435-014
Operator ID: Instrument ID: CVOAMS1
Method: \\chromfs\Edison\ChromData\CVOAMS1\20240315-173435.b\8260624W_1.m
Limit Group: VOA 624.1 ICAL
Last Update: 15-Mar-2024 12:36:09 Calib Date: 15-Feb-2024 12:52:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20240215-172348.b\A09706.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1675

First Level Reviewer: XE5L

Date: 15-Mar-2024 14:46:09

Compound	Amount Added	Amount Recovered	% Rec.
\$ 55 Dibromofluoromethane (Surr)	50.0	49.3	98.65
\$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	48.3	96.61
\$ 83 Toluene-d8 (Surr)	50.0	48.8	97.55
\$ 105 4-Bromofluorobenzene	50.0	48.6	97.21

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Instrument ID: CVOAMS1

Start Date: 02/15/2024 09:48

Analysis Batch Number: 959555

End Date: 02/15/2024 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-959555/1		02/15/2024 09:48	1	A09698.D	Rtx-624 0.25 (mm)
STD7 460-959555/3 IC		02/15/2024 10:32	1	A09700.D	Rtx-624 0.25 (mm)
STD1 460-959555/4 IC		02/15/2024 10:56	1	A09701.D	Rtx-624 0.25 (mm)
STD5 460-959555/5 IC		02/15/2024 11:19	1	A09702.D	Rtx-624 0.25 (mm)
STD20 460-959555/6 ICIS		02/15/2024 11:43	1	A09703.D	Rtx-624 0.25 (mm)
STD50 460-959555/7 IC		02/15/2024 12:06	1	A09704.D	Rtx-624 0.25 (mm)
STD200 460-959555/8 IC		02/15/2024 12:29	1	A09705.D	Rtx-624 0.25 (mm)
STD500 460-959555/9 IC		02/15/2024 12:52	1	A09706.D	Rtx-624 0.25 (mm)
ICV 460-959555/16		02/15/2024 15:35	1	A09713.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison

Job No.: 460-299781-1

SDG No.:

Instrument ID: CVOAMS1

Start Date: 03/15/2024 09:47

Analysis Batch Number: 964280

End Date: 03/15/2024 21:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-964280/1		03/15/2024 09:47	1	A10711.D	Rtx-624 0.25 (mm)
CCVIS 460-964280/2		03/15/2024 10:03	1	A10712.D	Rtx-624 0.25 (mm)
LCS 460-964280/3		03/15/2024 10:27	1	A10713.D	Rtx-624 0.25 (mm)
LCSD 460-964280/4		03/15/2024 10:50	1	A10714.D	Rtx-624 0.25 (mm)
MB 460-964280/7		03/15/2024 12:00	1	A10717.D	Rtx-624 0.25 (mm)
460-299781-1	MW-05B_20240311	03/15/2024 12:24	1	A10718.D	Rtx-624 0.25 (mm)
460-299781-2	MW-06B_20240311	03/15/2024 12:47	1	A10719.D	Rtx-624 0.25 (mm)
460-299781-3	MW-08B_20240311	03/15/2024 13:10	1	A10720.D	Rtx-624 0.25 (mm)
460-299781-1 MS	MW-05B_20240311 MS	03/15/2024 13:57	1	A10722.D	Rtx-624 0.25 (mm)
460-299781-1 MSD	MW-05B_20240311 MSD	03/15/2024 14:20	1	A10723.D	Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 18:36	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 18:59	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 19:45	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 20:08	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 20:32	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 20:55	1		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 21:18	2		Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 21:41	50		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Instrument ID: CVOAMS7 Start Date: 01/04/2024 23:02Analysis Batch Number: 953473 End Date: 01/05/2024 09:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-953473/1		01/04/2024 23:02	1	V49181.D	Rtx-624 0.25 (mm)
STD8 460-953473/3 IC		01/04/2024 23:54	1	V49183.D	Rtx-624 0.25 (mm)
STD05 460-953473/4 IC		01/05/2024 00:15	1	V49184.D	Rtx-624 0.25 (mm)
STD5 460-953473/6 IC		01/05/2024 00:58	1	V49186.D	Rtx-624 0.25 (mm)
STD20 460-953473/7 ICIS		01/05/2024 01:19	1	V49187.D	Rtx-624 0.25 (mm)
STD50 460-953473/8 IC		01/05/2024 01:41	1	V49188.D	Rtx-624 0.25 (mm)
STD200 460-953473/9 IC		01/05/2024 02:02	1	V49189.D	Rtx-624 0.25 (mm)
STD500 460-953473/10 IC		01/05/2024 02:23	1	V49190.D	Rtx-624 0.25 (mm)
STD1 460-953473/16 IC		01/05/2024 09:04	1	V49196.D	Rtx-624 0.25 (mm)
ICV 460-953473/18		01/05/2024 09:46	1	V49198.D	Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Instrument ID: CVOAMS7 Start Date: 03/14/2024 19:13Analysis Batch Number: 964128 End Date: 03/15/2024 04:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-964128/1		03/14/2024 19:13	1	V51765.D	Rtx-624 0.25 (mm)
CCVIS 460-964128/3		03/14/2024 19:51	1	V51767.D	Rtx-624 0.25 (mm)
LCS 460-964128/4		03/14/2024 20:12	1	V51768.D	Rtx-624 0.25 (mm)
LCSD 460-964128/5		03/14/2024 20:33	1	V51769.D	Rtx-624 0.25 (mm)
MB 460-964128/9		03/14/2024 21:57	1	V51773.D	Rtx-624 0.25 (mm)
460-299781-5	FB_20240311	03/14/2024 22:18	1	V51774.D	Rtx-624 0.25 (mm)
460-299781-6	TB_20240311	03/14/2024 22:40	1	V51775.D	Rtx-624 0.25 (mm)
ZZZZZ		03/14/2024 23:01	1		Rtx-624 0.25 (mm)
460-299781-4	MW-DUP_20240311	03/15/2024 00:46	1	V51781.D	Rtx-624 0.25 (mm)
ZZZZZ		03/15/2024 01:50	50		Rtx-624 0.25 (mm)
		03/15/2024 04:18	2		Rtx-624 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 953473 Batch Start Date: 01/04/24 23:02 Batch Analyst: Boykin, KennethBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	14DIOXINTER 00164	524FREONS 00012	7 Freons Hi 00009	7 Freons SS 00009
BFB 460-953473/1		624.1			5 mL	5 mL				
STD8 460-953473/3 IC		624.1			5 mL	5 mL				
STD05 460-953473/4 IC		624.1			5 mL	5 mL	15 uL	5 uL		
STD5 460-953473/6 IC		624.1			5 mL	5 mL		10 uL		
STD20 460-953473/7 ICIS		624.1			5 mL	5 mL		20 uL		
STD50 460-953473/8 IC		624.1			5 mL	5 mL		50 uL		
STD200 460-953473/9 IC		624.1			5 mL	5 mL			20 uL	
STD500 460-953473/10 IC		624.1			5 mL	5 mL			50 uL	
STD1 460-953473/16 IC		624.1			5 mL	5 mL	30 uL	10 uL		
ICV 460-953473/18		624.1			5 mL	5 mL				20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00175	8260ISNEW 00171	8260MIX1COMB 00181	8260SURR250 00243	ACROLEIN SP 00160	ACROLEIN W 00164
BFB 460-953473/1		624.1								
STD8 460-953473/3 IC		624.1				1 uL		1 uL		
STD05 460-953473/4 IC		624.1				1 uL	5 uL	1 uL		2 uL
STD5 460-953473/6 IC		624.1				1 uL	10 uL	1 uL		4 uL
STD20 460-953473/7 ICIS		624.1				1 uL	20 uL	1 uL		4 uL
STD50 460-953473/8 IC		624.1				1 uL	50 uL	1 uL		10 uL
STD200 460-953473/9 IC		624.1				1 uL		1 uL		20 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 953473 Batch Start Date: 01/04/24 23:02 Batch Analyst: Boykin, KennethBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00175	8260ISNEW 00171	8260MIX1COMB 00181	8260SURR250 00243	ACROLEIN SP 00160	ACROLEIN W 00164
STD500 460-953473/10 IC		624.1				1 uL		1 uL		40 uL
STD1 460-953473/16 IC		624.1				1 uL	10 uL	1 uL		4 uL
ICV 460-953473/18		624.1			20 uL	1 uL		1 uL	4 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ACRY/EPIH MIX 00120	BFB 00035	Ethanol mix 00084	GAS C SP 00548	GAS Hi 00459	GASES Li 00565
BFB 460-953473/1		624.1				1 uL				
STD8 460-953473/3 IC		624.1			20 uL					2.5 uL
STD05 460-953473/4 IC		624.1								5 uL
STD5 460-953473/6 IC		624.1								10 uL
STD20 460-953473/7 ICIS		624.1								20 uL
STD50 460-953473/8 IC		624.1								50 uL
STD200 460-953473/9 IC		624.1					20 uL		20 uL	
STD500 460-953473/10 IC		624.1					50 uL		50 uL	
STD1 460-953473/16 IC		624.1								10 uL
ICV 460-953473/18		624.1						20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX 2 Hi 00143	MIX I Hi 00171	VMTBA500 00044			
BFB 460-953473/1		624.1								
STD8 460-953473/3 IC		624.1					2 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 953473 Batch Start Date: 01/04/24 23:02 Batch Analyst: Boykin, KennethBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX 2 Hi 00143	MIX I Hi 00171	VMTBA500 00044			
STD05 460-953473/4 IC		624.1								
STD5 460-953473/6 IC		624.1								
STD20 460-953473/7 ICIS		624.1								
STD50 460-953473/8 IC		624.1								
STD200 460-953473/9 IC		624.1			20 uL	20 uL				
STD500 460-953473/10 IC		624.1			50 uL	50 uL				
STD1 460-953473/16 IC		624.1								
ICV 460-953473/18		624.1								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 959555 Batch Start Date: 02/15/24 09:48 Batch Analyst: Moroney, Christopher JBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	14DIOXINTER 00165	524FREONS 00014	7 Freons Hi 00002	7 Freons SS 00010
BFB 460-959555/1		624.1			5 mL	5 mL				
STD7 460-959555/3 IC		624.1			5 mL	5 mL				
STD1 460-959555/4 IC		624.1			5 mL	5 mL	30 uL	10 uL		
STD5 460-959555/5 IC		624.1			5 mL	5 mL		10 uL		
STD20 460-959555/6 ICIS		624.1			5 mL	5 mL		20 uL		
STD50 460-959555/7 IC		624.1			5 mL	5 mL		50 uL		
STD200 460-959555/8 IC		624.1			5 mL	5 mL			20 uL	
STD500 460-959555/9 IC		624.1			5 mL	5 mL			50 uL	
ICV 460-959555/16		624.1			5 mL	5 mL				20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00176	8260ISNEW 00192	8260MIX1COMB 00183	8260SURRE250 00244	ACROLEIN SP 00161	ACROLEIN W 00165
BFB 460-959555/1		624.1								
STD7 460-959555/3 IC		624.1				1 uL		1 uL		
STD1 460-959555/4 IC		624.1				1 uL	10 uL	1 uL		4 uL
STD5 460-959555/5 IC		624.1				1 uL	10 uL	1 uL		4 uL
STD20 460-959555/6 ICIS		624.1				1 uL	20 uL	1 uL		4 uL
STD50 460-959555/7 IC		624.1				1 uL	50 uL	1 uL		10 uL
STD200 460-959555/8 IC		624.1				1 uL		1 uL		20 uL
STD500 460-959555/9 IC		624.1				1 uL		1 uL		40 uL
ICV 460-959555/16		624.1			20 uL	1 uL		1 uL	4 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 959555 Batch Start Date: 02/15/24 09:48 Batch Analyst: Moroney, Christopher JBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ACRY/EPIH MIX 00121	BFB 00035	Ethanol mix 00086	GAS C SP 00554	GAS Hi 00463	GASES Li 00571
BFB 460-959555/1		624.1				1 uL				
STD7 460-959555/3 IC		624.1			20 uL					2.5 uL
STD1 460-959555/4 IC		624.1								10 uL
STD5 460-959555/5 IC		624.1								10 uL
STD20 460-959555/6 ICIS		624.1								20 uL
STD50 460-959555/7 IC		624.1								50 uL
STD200 460-959555/8 IC		624.1					20 uL		20 uL	
STD500 460-959555/9 IC		624.1					50 uL		50 uL	
ICV 460-959555/16		624.1						20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX 2 Hi 00145	MIX I Hi 00173	VTBTA500 00045			
BFB 460-959555/1		624.1								
STD7 460-959555/3 IC		624.1					2 uL			
STD1 460-959555/4 IC		624.1								
STD5 460-959555/5 IC		624.1								
STD20 460-959555/6 ICIS		624.1								
STD50 460-959555/7 IC		624.1								
STD200 460-959555/8 IC		624.1			20 uL	20 uL				
STD500 460-959555/9 IC		624.1			50 uL	50 uL				
ICV 460-959555/16		624.1								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 959555 Batch Start Date: 02/15/24 09:48 Batch Analyst: Moroney, Christopher JBatch Method: 624.1 Batch End Date: _____

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 964128 Batch Start Date: 03/14/24 19:13 Batch Analyst: Parekh, Vyomesh BBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	524FREONS 00015	8260ISNEW 00171	8260MIX1COMB 00184
BFB 460-964128/1		624.1			5 mL	5 mL				
CCVIS 460-964128/3		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
LCS 460-964128/4		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
LCSD 460-964128/5		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
MB 460-964128/9		624.1			5 mL	5 mL			1 uL	
460-299781-A-5	FB_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-299781-A-6	TB_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-299781-A-4	MW-DUP_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260SURR250 00245	ACROLEIN W 00166	BFB 00035	GASES Li 00575		
BFB 460-964128/1		624.1					1 uL			
CCVIS 460-964128/3		624.1			1 uL	4 uL		20 uL		
LCS 460-964128/4		624.1			1 uL	4 uL		20 uL		
LCSD 460-964128/5		624.1			1 uL	4 uL		20 uL		
MB 460-964128/9		624.1			1 uL					
460-299781-A-5	FB_20240311	624.1	Water	T	1 uL					
460-299781-A-6	TB_20240311	624.1	Water	T	1 uL					
460-299781-A-4	MW-DUP_20240311	624.1	Water	T	1 uL					

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 964280 Batch Start Date: 03/15/24 09:47 Batch Analyst: Del Polito, VitaBatch Method: 624.1 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	524FREONS 00015	8260ISNEW 00192	8260MIX1COMB 00184
BFB 460-964280/1		624.1			5 mL	5 mL				
CCVIS 460-964280/2		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
LCS 460-964280/3		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
LCSD 460-964280/4		624.1			5 mL	5 mL		20 uL	1 uL	20 uL
MB 460-964280/7		624.1			5 mL	5 mL			1 uL	
460-299781-B-1	MW-05B_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-299781-B-2	MW-06B_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-299781-B-3	MW-08B_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-299781-B-1 MS	MW-05B_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units	20 uL	1 uL	20 uL
460-299781-C-1 MSD	MW-05B_20240311	624.1	Water	T	5 mL	5 mL	<2 PH Units	20 uL	1 uL	20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260SURR250 00245	ACROLEIN W 00166	BFB 00035	GASES Li 00575		
BFB 460-964280/1		624.1					1 uL			
CCVIS 460-964280/2		624.1			1 uL	4 uL		20 uL		
LCS 460-964280/3		624.1			1 uL	4 uL		20 uL		
LCSD 460-964280/4		624.1			1 uL	4 uL		20 uL		
MB 460-964280/7		624.1			1 uL					
460-299781-B-1	MW-05B_20240311	624.1	Water	T	1 uL					
460-299781-B-2	MW-06B_20240311	624.1	Water	T	1 uL					
460-299781-B-3	MW-08B_20240311	624.1	Water	T	1 uL					
460-299781-B-1 MS	MW-05B_20240311	624.1	Water	T	1 uL	4 uL		20 uL		
460-299781-C-1 MSD	MW-05B_20240311	624.1	Water	T	1 uL	4 uL		20 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-299781-1

SDG No.: _____

Batch Number: 964280 Batch Start Date: 03/15/24 09:47 Batch Analyst: Del Polito, VitaBatch Method: 624.1 Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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Shipping and Receiving Documents

Chain of Custody Record

NYC

222

674050 eurofins

Address:

Environment Testing
America

TAL-8210

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Company Name: AKRF		Client Contact		Project Manager: Patrick D. 99108		Site Contact: M. Fleming		Date: 3/11/2024		Carrier: CQC Inc	
Address: 440 Park Ave S, FL7				Tel/Email: id1991ns@akrf.com		Lab Contact: M. Haas				CQC Inc	
City/State/Zip: New York NY 10016				Analysis Turnaround Time						1 of 1 COCs	
Phone: 603-494-7090				☐ CALENDAR DAYS ☐ WORKING DAYS						Sampler: M. Fleming	
Fax:				TAT if different from Below						For Lab Use Only	
Project Name: Queens Animal Shelter				☐ 2 weeks						Walk-in Client:	
Site: 190 6 Flushing Ave, Queens				☐ 1 week						Lab Sampling:	
PO #: 180291				☐ 2 days						Job / SDG No.	
				☐ 1 day							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes:				
MW-05B-20240311		3/11/24	13:00	G	GW	15	X3 no more for MS/MSD				
MW-06B-20240311			14:00			3					
MW-08B-20240311			09:00			3					
MW-DVP-20240311			13:10			3					
FB-20240311			12:30			2					
FB-20240311			12:00			2					
5-DAY RUSH											
Sample Disposal (A fee may be assessed if \$)											
☐ Non-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return to Client ☐ Disposal by Lab											
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.											
Special Instructions/QC Requirements & Comments:											
GAVIS GDD, CATEGORY B DELIVERABLES Custody Seal No. Relinquished by: Relinquished by: Relinquished by:											
Company: AKRF		Date/Time: 3/11/24		Received by: [Signature]		Company: TA NYC		Date/Time: 03/11/24 15:45			
Company: TA NYC		Date/Time: 03/11/24		Received by: [Signature]		Company: [Signature]		Date/Time: 11:24 17:00			
Company: [Signature]		Date/Time: 3/12/24		Received in Laboratory by: [Signature]		Company: [Signature]		Date/Time: 3/11		17:00	

16 20 2029

Job Number-

299161

Number of Coolers:

MR Gun #

Cooler Temperatures

	RAW	CORRECTED	RAW	CORRECTED
Cooler #1:	16	128	Cooler #4:	0
Cooler #2:	0	0	Cooler #5:	0
Cooler #3:	0	0	Cooler #6:	0
			Cooler #7:	0
			Cooler #8:	0
			Cooler #9:	0

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.

Lot # of Preservative(s)

Expiration Date:

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

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

EDS-WI-038, Rev 4.1
10/22/2019

Initials:

Handwritten signature: *Handwritten signature*

Date:

3 1124

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-299781-1

Login Number: 299781

List Number: 1

Creator: Meyers, Gary

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

July 2, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2432734

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. L2432734, has been completed. The following samples were reported:

MW-05B_20240611	MW-08B_20240611
MW-X_20240611	FIELD BLANK_20240611
TRIP BLANK	SW-17_20240611

Analyses were performed in accordance with USEPA Method 8260D (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The results for ethyl ether, carbon disulfide and vinyl acetate in all samples are qualified as estimated (UJ) due to unacceptable percent difference in the second source initial calibration verification (ICV) standard.
- The results for chloroethane, methyl tert butyl ether, 1,4-dioxane, trans-1,4-dichloro-2-butene, 1,2,4,5-tetramethylbenzene, naphthalene and 1,2,3-trichlorobenzene in all samples are qualified as estimated (J-, UJ) due to low response in the continuing calibration verification (CCV).
- The results for bromomethane and trans-1,4-dichloro-2-butene are qualified as estimated (UJ) in all samples due to recovery in the laboratory control sample (LCS) and/or LCS duplicate (LCSD). The result for naphthalene in all samples are qualified as estimated (UJ) due to low recovery in the LCS and high relative percent difference (RPD) between the LCS and LCSD.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:

- Clean Canister Certification
- Method blanks
- Field blanks
- Trip Blanks
- Surrogate recoveries
- LCS/LCSD recoveries
- MS/MSD recoveries
- Internal standards
- Serial dilutions
- Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Improper edits were observed on the chain of custody (COC). Edits should be made by drawing a single line through the entry error, dated and initialed by the person making the edit.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of June 11, 2024. The samples were received on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$), with the following exceptions.

Analyte	%D	Associated Sample	Qualifier Applied
<i>ICV GONZO 5/9/2024</i>			
Ethyl ether	34	MW-05B_20240611	UJ
Carbon disulfide	41.3	MW-08B_20240611	
Vinyl acetate	31.5	MW-X_20240611	
		FIELD BLANK_20240611 TRIP BLANK SW-17_20240611	

The results for ethyl ether, carbon disulfide and vinyl acetate in all samples are qualified as estimated (UJ) due to unacceptable percent difference in the ICV. One CCV was analyzed in support of sample analysis. All percent differences (%Ds) are acceptable ($\leq 20\%D$) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>CCV GONZO 6/14/2024 18:16</i>			
Chloroethane	23.6	MW-05B_20240611	J-, UJ
Methyl tert butyl ether	20.3	MW-08B_20240611	
1,4-Dioxane	22.3	MW-X_20240611	
trans-1,4-Dichloro-2-butene	32.4	FIELD BLANK_20240611	
1,2,4,5-Tetramethylbenzene	23.6	TRIP BLANK	
Naphthalene	33.3	SW-17_20240611	
1,2,3-Trichlorobenzene	23.4		

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for chloroethane, methyl tert butyl ether, 1,4-dioxane, trans-1,4-dichloro-2-butene, 1,2,4,5-tetramethylbenzene, naphthalene and 1,2,3-trichlorobenzene in all samples are qualified as estimated (J-, UJ) due to low response in the CCV.

Laboratory Control Sample (LCS) / LCS Duplicate (LCS)

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>LCS WG1935361-3 & 4</i>				
Bromomethane	17	19	a	MW-05B_20240611
Naphthalene	67	a	23	MW-08B_20240611
trans-1,4-Dichloro-2-butene	67	a	a	MW-X_20240611 FIELD BLANK_20240611 TRIP BLANK SW-17_20240611

a=acceptable

The results for bromomethane and trans-1,4-dichloro-2-butene are qualified as estimated (UJ) in all samples due to recovery in the LCS and/or LCSD. The result for naphthalene in all samples are qualified as estimated (UJ) due to low recovery in the LCS and high RPD between the LCS and LCSD.

Field Duplicates

MW-X_20240611 was submitted as a field duplicate of MW-08B_20240611. Precision between paired samples is acceptable ($RPD \leq 30$) as presented below.

Analyte	MW-08B_20240611 ug/L	MW-X_20240611 (ug/L)	RPD
Methyl tert butyl ether	15	15	0

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

1 of 1

Date Rec'd
in Lab

6/12/24

ALPHA Job #

L24 32734

Project Information

Project Name: Queens Animal Shelter
Project Location: 151 Woodward Ave, Ridgewood, NY 11385
Project # 180291

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQUIS (1 File) ☒ EQUIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Client Information

Client: AKRF
Address: 440 Park Ave South
NY, NY 10016

(Use Project name as Project #) ☐
Project Manager: Patrick Diggins
ALPHAQuote #:

Phone:
Fax:
Email: jdiggins@akrf.com

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B EQUIS deliverables, close SDG

Please specify Metals or TAL.

ANALYSIS

TCL VOC 8260
PAH 375 VOC 8260
Trip Blank NJ 8260

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
32734-01	MW-05B-20240611	6/11/24	11:55	GW	MI
-02	MW-08B-20240611	↓	1445	↓	MI
-03	MW-X-20240611	↓	1440	↓	MI
-04	Field blank-20240611	6/11/24	1515	GW	MI
-05	Trip Blank	6/11/24	—	GW	—
-06	SW-17-20240611	6/11/24	1540	GW	MI

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

40ml
Vial

Preservative

HCl

Relinquished By:

Date/Time

Received By:

Date/Time

Anthony Green
6/11/24 16:00
6/11/24 19:45
6/12/24 03:05

Anthony Green
6/11/24 16:00
6/11/24 19:45
6/12/24 03:05

Anthony Green
6/11/24 16:00
6/11/24 19:45
6/12/24 03:05

Anthony Green
6/11/24 16:00
6/11/24 19:45
6/12/24 03:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2432734
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1935361-3 Analysis Date : 06/14/24 18:16 File ID : VG240614N01
 LCSD Sample ID : WG1935361-4 Analysis Date : 06/14/24 18:40 File ID : VG240614N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.4	94	10	10	100	6	70-130	20
1,1-Dichloroethane	10	10	100	10	11	110	10	70-130	20
Chloroform	10	9.5	95	10	9.8	98	3	70-130	20
Carbon tetrachloride	10	9.6	96	10	9.6	96	0	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	8.8	88	10	9.7	97	10	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	10	100	6	70-130	20
Tetrachloroethene	10	9.6	96	10	10	100	4	70-130	20
Chlorobenzene	10	9.3	93	10	10	100	7	75-130	20
Trichlorofluoromethane	10	9.1	91	10	8.9	89	2	62-150	20
1,2-Dichloroethane	10	9.2	92	10	10	100	8	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	9.9	99	2	67-130	20
Bromodichloromethane	10	8.8	88	10	9.8	98	11	67-130	20
trans-1,3-Dichloropropene	10	9.4	94	10	11	110	16	70-130	20
cis-1,3-Dichloropropene	10	8.8	88	10	9.8	98	11	70-130	20
1,1-Dichloropropene	10	10	100	10	10	100	0	70-130	20
Bromoform	10	8.0	80	10	8.9	89	11	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	13	130	17	67-130	20
Benzene	10	9.6	96	10	10	100	4	70-130	20
Toluene	10	9.9	99	10	11	110	11	70-130	20
Ethylbenzene	10	9.6	96	10	10	100	4	70-130	20
Chloromethane	10	9.5	95	10	9.5	95	0	64-130	20
Bromomethane	10	1.7	17 Q	10	1.9	19 Q	11	39-139	20
Vinyl chloride	10	10	100	10	9.3	93	7	55-140	20
Chloroethane	10	7.6	76	10	6.3	63	19	55-138	20
1,1-Dichloroethene	10	9.7	97	10	9.6	96	1	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2432734
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1935361-3 Analysis Date : 06/14/24 18:16 File ID : VG240614N01
 LCSD Sample ID : WG1935361-4 Analysis Date : 06/14/24 18:40 File ID : VG240614N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
n-Butylbenzene	10	9.6	96	10	9.7	97	1	53-136	20
sec-Butylbenzene	10	10	100	10	11	110	10	70-130	20
tert-Butylbenzene	10	9.5	95	10	10	100	5	70-130	20
o-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
p-Chlorotoluene	10	10	100	10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	8.2	82	10	9.4	94	14	41-144	20
Hexachlorobutadiene	10	9.7	97	10	10	100	3	63-130	20
Isopropylbenzene	10	9.2	92	10	9.7	97	5	70-130	20
p-Isopropyltoluene	10	10	100	10	10	100	0	70-130	20
Naphthalene	10	6.7	67 Q	10	8.4	84	23 Q	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,3-Trichlorobenzene	10	7.7	77	10	9.2	92	18	70-130	20
1,2,4-Trichlorobenzene	10	8.1	81	10	9.2	92	13	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	11	110	10	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dioxane	500	390	78	500	480	96	21 Q	56-162	20
p-Diethylbenzene	10	9.2	92	10	9.7	97	5	70-130	20
p-Ethyltoluene	10	9.9	99	10	10	100	1	70-130	20
1,2,4,5-Tetramethylbenzene	10	7.6	76	10	8.2	82	8	70-130	20
Ethyl ether	10	8.7	87	10	9.6	96	10	59-134	20
trans-1,4-Dichloro-2-butene	10	6.7	67 Q	10	7.9	79	16	70-130	20



Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240509AICAL\
 Data File : VG240509A17.D
 Acq On : 9 May 2024 11:24 pm
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG1919586,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 10 11:04:54 2024
 Quant Method : K:\Gonzo\2024\240509AICAL\G_240509A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 10 11:02:54 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00
2 TP	Dichlorodifluoromethane	0.254	0.311	-22.4#	126	0.00
3 TP	Chloromethane	0.250	0.295	-18.0	124	0.00
4 TC	Vinyl chloride	0.252	0.287	-13.9	113	0.00
5 TP	Bromomethane	* 10.000	11.229	-12.3	120	0.00
6 TP	Chloroethane	0.174	0.196	-12.6	105	0.00
7 TP	Trichlorofluoromethane	0.349	0.324	7.2	101	0.00
8 TP	Ethyl ether	0.097	0.130	-34.0#	146	0.00
10 TC	1,1-Dichloroethene	0.177	0.185	-4.5	110	0.00
11 TP	Carbon disulfide	0.560	0.329	41.3#	64	0.00
12 TP	Freon-113	0.201	0.199	1.0	110	0.00
13 TP	Iodomethane	0.246	0.206	16.3	105	0.00
14 TP	Acrolein	0.030	0.020	33.3#	71	0.00
15 TP	Methylene chloride	0.215	0.208	3.3	107	0.00
17 TP	Acetone	0.055	0.039	29.1#	83	0.00
18 TP	trans-1,2-Dichloroethene	0.200	0.203	-1.5	111	0.00
19 TP	Methyl acetate	0.115	0.091	20.9#	96	0.00
20 TP	Methyl tert-butyl ether	0.523	0.590	-12.8	127	0.00
21 TP	tert-Butyl alcohol	0.016	0.017	-6.3	123	0.00
22 TP	Diisopropyl ether	0.700	0.764	-9.1	123	0.00
23 TP	1,1-Dichloroethane	0.398	0.391	1.8	106	0.00
24 TP	Halothane	0.158	0.160	-1.3	107	0.00
25 TP	Acrylonitrile	0.054	0.051	5.6	100	0.00
26 TP	Ethyl tert-butyl ether	0.658	0.710	-7.9	125	0.00
27 TP	Vinyl acetate	0.260	0.178	31.5#	72	0.00
28 TP	cis-1,2-Dichloroethene	0.232	0.222	4.3	109	0.00
29 TP	2,2-Dichloropropane	0.295	0.260	11.9	96	0.00
30 TP	Bromochloromethane	0.105	0.103	1.9	106	0.00
31 TP	Cyclohexane	* 10.000	8.988	10.1	109	0.00
32 TC	Chloroform	0.384	0.377	1.8	108	0.00
33 TP	Ethyl acetate	0.165	0.155	6.1	103	0.00
34 TP	Carbon tetrachloride	0.299	0.316	-5.7	112	0.00
35 TP	Tetrahydrofuran	0.049	0.059	-20.4#	121	0.00
36 S	Dibromofluoromethane	0.256	0.249	2.7	104	0.00
37 TP	1,1,1-Trichloroethane	0.329	0.339	-3.0	108	0.00
39 TP	2-Butanone	0.073	0.065	11.0	89	0.00
40 TP	1,1-Dichloropropene	0.270	0.284	-5.2	112	0.00
41 TP	Benzene	0.846	0.817	3.4	103	0.00
42 TP	tert-Amyl methyl ether	0.542	0.585	-7.9	125	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG240614N01
 Sample No : WG1935361-2
 Channel :

Lab Number : L2432734
 Project Number : 180291
 Calibration Date : 06/14/24 18:16
 Init. Calib. Date(s) : 05/09/24 05/09/24
 Init. Calib. Times : 17:50 21:24

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	132	0
Dichlorodifluoromethane	0.254	0.204	-	19.7	20	104	0
Chloromethane	0.25	0.238	-	4.8	20	126	0
Vinyl chloride	0.252	0.255	-	-1.2	20	126	0
Bromomethane	10	1.696	-	83*	20	26	0
Chloroethane	0.174	0.133	-	23.6*	20	89	0
Trichlorofluoromethane	0.349	0.318	-	8.9	20	125	0
Ethyl ether	0.097	0.084	-	13.4	20	118	0
1,1-Dichloroethene	0.177	0.171	-	3.4	20	128	0
Carbon disulfide	0.56	0.551	-	1.6	20	135	0
Freon-113	0.201	0.191	-	5	20	133	0
Acrolein	0.03	0.026	-	13.3	20	113	0
Methylene chloride	0.215	0.203	-	5.6	20	132	0
Acetone	0.055	0.049	-	10.9	20	131	0
trans-1,2-Dichloroethene	0.2	0.186	-	7	20	128	0
Methyl acetate	0.115	0.109	-	5.2	20	145	0
Methyl tert-butyl ether	0.523	0.417	-	20.3*	20	113	0
tert-Butyl alcohol	0.016	0.013	-	18.8	20	121	0
Diisopropyl ether	0.7	0.728	-	-4	20	147	0
1,1-Dichloroethane	0.398	0.413	-	-3.8	20	141	0
Halothane	0.158	0.148	-	6.3	20	125	0
Acrylonitrile	0.054	0.057	-	-5.6	20	142	0
Ethyl tert-butyl ether	0.658	0.584	-	11.2	20	129	0
Vinyl acetate	0.26	0.379	-	-45.8*	20	193	0
cis-1,2-Dichloroethene	0.232	0.209	-	9.9	20	129	0
2,2-Dichloropropane	0.295	0.298	-	-1	20	139	0
Bromochloromethane	0.105	0.091*	-	13.3	20	119	0
Cyclohexane	10	10.803	-	-8	20	169	0
Chloroform	0.384	0.366	-	4.7	20	132	0
Ethyl acetate	0.165	0.167	-	-1.2	20	139	0
Carbon tetrachloride	0.299	0.286	-	4.3	20	128	0
Tetrahydrofuran	0.049	0.047	-	4.1	20	121	0
Dibromofluoromethane	0.256	0.246	-	3.9	20	129	0
1,1,1-Trichloroethane	0.329	0.319	-	3	20	128	0
2-Butanone	0.073	0.072	-	1.4	20	124	0
1,1-Dichloropropene	0.27	0.272	-	-0.7	20	135	0
Benzene	0.846	0.815	-	3.7	20	130	0
tert-Amyl methyl ether	0.542	0.439	-	19	20	118	0
1,2-Dichloroethane-d4	0.307	0.316	-	-2.9	20	134	0
1,2-Dichloroethane	0.305	0.28	-	8.2	20	128	0
Methyl cyclohexane	10	9.549	-	4.5	20	158	0
Trichloroethene	0.254	0.22	-	13.4	20	124	0
Dibromomethane	0.127	0.109	-	14.2	20	121	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG240614N01
 Sample No : WG1935361-2
 Channel :

Lab Number : L2432734
 Project Number : 180291
 Calibration Date : 06/14/24 18:16
 Init. Calib. Date(s) : 05/09/24 05/09/24
 Init. Calib. Times : 17:50 21:24

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.218	0.225	-	-3.2	20	138	0
Bromodichloromethane	0.298	0.263*	-	11.7	20	122	0
1,4-Dioxane	0.00188	0.00146*	-	22.3*	20	112	0
cis-1,3-Dichloropropene	0.328	0.288*	-	12.2	20	126	0
Chlorobenzene-d5	1	1	-	0	20	123	0
Toluene-d8	1.23	1.303	-	-5.9	20	126	0
Toluene	0.68	0.675	-	0.7	20	125	0
4-Methyl-2-pentanone	0.076	0.073	-	3.9	20	126	0
Tetrachloroethene	0.265	0.256	-	3.4	20	122	0
trans-1,3-Dichloropropene	0.368	0.348	-	5.4	20	121	0
Ethyl methacrylate	0.263	0.221	-	16	20	117	0
1,1,2-Trichloroethane	0.191	0.179*	-	6.3	20	124	0
Chlorodibromomethane	0.283	0.25	-	11.7	20	113	0
1,3-Dichloropropane	0.369	0.368	-	0.3	20	126	0
1,2-Dibromoethane	0.218	0.201	-	7.8	20	114	0
2-Hexanone	0.127	0.129	-	-1.6	20	133	0
Chlorobenzene	0.768	0.715	-	6.9	20	119	0
Ethylbenzene	1.324	1.275	-	3.7	20	129	0
1,1,1,2-Tetrachloroethane	0.278	0.247	-	11.2	20	115	0
p/m Xylene	20	17.919	-	10.4	20	127	0
o Xylene	20	16.898	-	15.5	20	121	0
Styrene	20	18.281	-	8.6	20	122	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
Bromoform	0.326	0.263	-	19.3	20	103	0
Isopropylbenzene	10	9.229	-	7.7	20	130	0
4-Bromofluorobenzene	0.804	0.91	-	-13.2	20	131	0
Bromobenzene	0.585	0.542	-	7.4	20	113	0
n-Propylbenzene	2.474	2.744	-	-10.9	20	138	0
1,4-Dichlorobutane	0.694	0.803	-	-15.7	20	138	0
1,1,2,2-Tetrachloroethane	0.44	0.471	-	-7	20	125	0
4-Ethyltoluene	2.201	2.19	-	0.5	20	130	0
2-Chlorotoluene	1.577	1.695	-	-7.5	20	130	0
1,3,5-Trimethylbenzene	1.898	1.951	-	-2.8	20	127	0
1,2,3-Trichloropropane	0.418	0.407	-	2.6	20	120	0
trans-1,4-Dichloro-2-buten	0.145	0.098	-	32.4*	20	82	0
4-Chlorotoluene	1.664	1.735	-	-4.3	20	126	0
tert-Butylbenzene	10	9.543	-	4.6	20	131	0
1,2,4-Trimethylbenzene	1.851	1.894	-	-2.3	20	127	0
sec-Butylbenzene	10	10.555	-	-5.5	20	139	0
p-Isopropyltoluene	10	10.069	-	-0.7	20	131	0
1,3-Dichlorobenzene	1.106	1.04	-	6	20	115	0
1,4-Dichlorobenzene	1.144	1.05	-	8.2	20	113	0
p-Diethylbenzene	1.105	1.021	-	7.6	20	125	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG240614N01
 Sample No : WG1935361-2
 Channel :

Lab Number : L2432734
 Project Number : 180291
 Calibration Date : 06/14/24 18:16
 Init. Calib. Date(s) : 05/09/24 05/09/24
 Init. Calib. Times : 17:50 21:24

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	10	9.628	-	3.7	20	138	0
1,2-Dichlorobenzene	1.039	0.955	-	8.1	20	111	0
1,2,4,5-Tetramethylbenzene	1.583	1.209	-	23.6*	20	105	0
1,2-Dibromo-3-chloropropan	0.079	0.065	-	17.7	20	99	0
1,3,5-Trichlorobenzene	0.648	0.594	-	8.3	20	114	0
Hexachlorobutadiene	0.178	0.173	-	2.8	20	129	0
1,2,4-Trichlorobenzene	0.545	0.443	-	18.7	20	99	0
Naphthalene	1.133	0.756	-	33.3*	20	79	0
1,2,3-Trichlorobenzene	0.448	0.343*	-	23.4*	20	92	0

* Value outside of QC limits.





ANALYTICAL REPORT

Lab Number:	L2432734
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	QUEENS ANIMAL SHELTER
Project Number:	180291
Report Date:	06/18/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432734-01	MW-05B_20240611	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 11:55	06/11/24
L2432734-02	MW-08B_20240611	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 14:45	06/11/24
L2432734-03	MW-X_20240611	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 14:50	06/11/24
L2432734-04	FIELD BLANK_20240611	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 15:15	06/11/24
L2432734-05	TRIP BLANK	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 00:00	06/11/24
L2432734-06	SW-17_20240611	WATER	151 WOODWARD AVE, RIDGEWOOD, NY, 11385	06/11/24 15:40	06/11/24

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/18/24

ORGANICS

VOLATILES

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

SAMPLE RESULTS

Lab ID: L2432734-01
Client ID: MW-05B_20240611
Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 11:55
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/14/24 23:03
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2432734

Project Number: 180291

Report Date: 06/18/24

SAMPLE RESULTS

Lab ID: L2432734-01

Date Collected: 06/11/24 11:55

Client ID: MW-05B_20240611

Date Received: 06/11/24

Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.62	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-01**Date Collected:** 06/11/24 11:55**Client ID:** MW-05B_20240611**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	98		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-02
 Client ID: MW-08B_20240611
 Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 14:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/14/24 23:27

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-02

Date Collected: 06/11/24 14:45

Client ID: MW-08B_20240611

Date Received: 06/11/24

Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	15		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-02**Date Collected:** 06/11/24 14:45**Client ID:** MW-08B_20240611**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	99		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-03
 Client ID: MW-X_20240611
 Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 14:50
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/14/24 23:51

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2432734

Project Number: 180291

Report Date: 06/18/24

SAMPLE RESULTS

Lab ID: L2432734-03

Date Collected: 06/11/24 14:50

Client ID: MW-X_20240611

Date Received: 06/11/24

Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	15		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-03**Date Collected:** 06/11/24 14:50**Client ID:** MW-X_20240611**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	99		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-04
 Client ID: FIELD BLANK_20240611
 Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 15:15
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/15/24 00:15

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-04

Date Collected: 06/11/24 15:15

Client ID: FIELD BLANK_20240611

Date Received: 06/11/24

Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

SAMPLE RESULTS

Lab ID: L2432734-04
Client ID: FIELD BLANK_20240611
Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 15:15
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	99		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-05
 Client ID: TRIP BLANK
 Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 00:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 00:39
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-05**Date Collected:** 06/11/24 00:00**Client ID:** TRIP BLANK**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-05**Date Collected:** 06/11/24 00:00**Client ID:** TRIP BLANK**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS**

Lab ID: L2432734-06
 Client ID: SW-17_20240611
 Sample Location: 151 WOODWARD AVE, RIDGEWOOD, NY, 11385

Date Collected: 06/11/24 15:40
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/15/24 01:03

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-06**Date Collected:** 06/11/24 15:40**Client ID:** SW-17_20240611**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	8.2		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**SAMPLE RESULTS****Lab ID:** L2432734-06**Date Collected:** 06/11/24 15:40**Client ID:** SW-17_20240611**Date Received:** 06/11/24**Sample Location:** 151 WOODWARD AVE, RIDGEWOOD, NY, 11385**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	99		70-130

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2432734

Project Number: 180291

Report Date: 06/18/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 06/14/24 19:52
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935361-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2432734

Project Number: 180291

Report Date: 06/18/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 06/14/24 19:52
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935361-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2432734

Project Number: 180291

Report Date: 06/18/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 06/14/24 19:52
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935361-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2432734

Report Date: 06/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935361-3 WG1935361-4								
Methylene chloride	94		100		70-130	6		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	95		98		70-130	3		20
Carbon tetrachloride	96		96		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	88		97		63-130	10		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	96		100		70-130	4		20
Chlorobenzene	93		100		75-130	7		20
Trichlorofluoromethane	91		89		62-150	2		20
1,2-Dichloroethane	92		100		70-130	8		20
1,1,1-Trichloroethane	97		99		67-130	2		20
Bromodichloromethane	88		98		67-130	11		20
trans-1,3-Dichloropropene	94		110		70-130	16		20
cis-1,3-Dichloropropene	88		98		70-130	11		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	80		89		54-136	11		20
1,1,2,2-Tetrachloroethane	110		130		67-130	17		20
Benzene	96		100		70-130	4		20
Toluene	99		110		70-130	11		20
Ethylbenzene	96		100		70-130	4		20
Chloromethane	95		95		64-130	0		20
Bromomethane	17	Q	19	Q	39-139	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2432734

Report Date: 06/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935361-3 WG1935361-4								
Vinyl chloride	100		93		55-140	7		20
Chloroethane	76		63		55-138	19		20
1,1-Dichloroethene	97		96		61-145	1		20
trans-1,2-Dichloroethene	93		95		70-130	2		20
Trichloroethene	87		86		70-130	1		20
1,2-Dichlorobenzene	92		99		70-130	7		20
1,3-Dichlorobenzene	94		99		70-130	5		20
1,4-Dichlorobenzene	92		99		70-130	7		20
Methyl tert butyl ether	80		95		63-130	17		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	90		94		70-130	4		20
Dibromomethane	86		95		70-130	10		20
1,2,3-Trichloropropane	97		100		64-130	3		20
Acrylonitrile	100		120		70-130	18		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	80		75		36-147	6		20
Acetone	89		100		58-148	12		20
Carbon disulfide	98		100		51-130	2		20
2-Butanone	98		110		63-138	12		20
Vinyl acetate	140	Q	190	Q	70-130	30	Q	20
4-Methyl-2-pentanone	96		110		59-130	14		20
2-Hexanone	100		120		57-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2432734

Report Date: 06/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935361-3 WG1935361-4								
Bromochloromethane	87		90		70-130	3		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	92		100		70-130	8		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	89		96		64-130	8		20
Bromobenzene	93		100		70-130	7		20
n-Butylbenzene	96		97		53-136	1		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	95		100		70-130	5		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	82		94		41-144	14		20
Hexachlorobutadiene	97		100		63-130	3		20
Isopropylbenzene	92		97		70-130	5		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	67	Q	84		70-130	23	Q	20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	77		92		70-130	18		20
1,2,4-Trichlorobenzene	81		92		70-130	13		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	78		96		56-162	21	Q	20
p-Diethylbenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2432734

Report Date: 06/18/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935361-3 WG1935361-4								
p-Ethyltoluene	99		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	76		82		70-130	8		20
Ethyl ether	87		96		59-134	10		20
trans-1,4-Dichloro-2-butene	67	Q	79		70-130	16		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	113		111		70-130
Dibromofluoromethane	96		95		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2432734**Project Number:** 180291**Report Date:** 06/18/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432734-01A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-01B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-01C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-02A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-02B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-02C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-03A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-03B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-03C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-04A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-04B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-04C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-05A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-05B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-06A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-06B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)
L2432734-06C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260(14)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2432734
Report Date: 06/18/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 6/12/24		ALPHA Job # L24 32734																																																																																																																																					
		Project Information Project Name: Queens Animal Shelter Project Location: 151 Woodward Ave, Ridgewood, NY 11385 Project # 180291		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																							
Client Information Client: AKRF Address: 440 Park Ave South NY, NY 10016 Phone: Fax: Email: jdiggins@akrf.com		(Use Project name as Project #) ☐ Project Manager: Patrick Diggins ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☒ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Cat B EQUIS deliverables, close SDG Please specify Metals or TAL.		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments		Total Bottles																																																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="6"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="6"></th> </tr> </thead> <tbody> <tr> <td>32734-01</td> <td>MW-05B-20240611</td> <td>6/11/24</td> <td>11:55</td> <td>GW</td> <td>MI</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-02</td> <td>MW-08B-20240611</td> <td></td> <td>1445</td> <td></td> <td>MI</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-03</td> <td>MW-X-20240611</td> <td></td> <td>1440</td> <td></td> <td>MI</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-04</td> <td>Field blank-20240611</td> <td>6/11/24</td> <td>1515</td> <td>GW</td> <td>MS</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-05</td> <td>Trip Blank</td> <td>6/11/24</td> <td></td> <td>GW</td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-06</td> <td>SW-17-20240611</td> <td>6/11/24</td> <td>1540</td> <td>GW</td> <td>MI</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection			Sample Matrix	Sampler's Initials							Date	Time							32734-01	MW-05B-20240611	6/11/24	11:55	GW	MI								-02	MW-08B-20240611		1445		MI								-03	MW-X-20240611		1440		MI								-04	Field blank-20240611	6/11/24	1515	GW	MS								-05	Trip Blank	6/11/24		GW									-06	SW-17-20240611	6/11/24	1540	GW	MI																																															TCU VOC 8260 PAH 375 VOC 8260 Trip Blank NJ 8260	
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type 40ml VOA Preservative HCL		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																					
Relinquished By: Anthony Green Date/Time: 6/11/24 16:00 6/11/24 19:45		Received By: Anthony Green Date/Time: 6/11/24 16:00 JUN 11 2024 11:15 6/12/24 09:45 6/12/24 03:05																																																																																																																																											



ANALYTICAL REPORT

Lab Number:	L2446181
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	QUEENS ANIMAL SHELTER
Project Number:	180291
Report Date:	08/21/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2446181-01	MW-08B_20240814	WATER	19-06 FLUSHING	08/14/24 12:20	08/14/24
L2446181-02	MW-06B_20240814	WATER	19-06 FLUSHING	08/14/24 14:25	08/14/24
L2446181-03	MW-05B_20240814	WATER	19-06 FLUSHING	08/14/24 16:15	08/14/24
L2446181-04	MW-0X_20240814	WATER	19-06 FLUSHING	08/14/24 12:00	08/14/24
L2446181-05	FB-01_20240814	WATER	19-06 FLUSHING	08/14/24 16:30	08/14/24
L2446181-06	TB-01_20240814	WATER	19-06 FLUSHING	08/14/24 00:00	08/14/24

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1961736-6 MS recovery, performed on L2446181-02, is outside the acceptance criteria for acetone (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 08/21/24

ORGANICS

VOLATILES

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-01
Client ID: MW-08B_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 12:20
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/20/24 16:10
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-01
 Client ID: MW-08B_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 12:20
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.33	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-01
Client ID: MW-08B_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 12:20
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-02
Client ID: MW-06B_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 14:25
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/20/24 17:21
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	12		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	1.0	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-02
 Client ID: MW-06B_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 14:25
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	140		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	8.3		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS****Lab ID:** L2446181-02**Date Collected:** 08/14/24 14:25**Client ID:** MW-06B_20240814**Date Received:** 08/14/24**Sample Location:** 19-06 FLUSHING**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-03
Client ID: MW-05B_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 16:15
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/20/24 16:34
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-03
 Client ID: MW-05B_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 16:15
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	3.8		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS****Lab ID:** L2446181-03**Date Collected:** 08/14/24 16:15**Client ID:** MW-05B_20240814**Date Received:** 08/14/24**Sample Location:** 19-06 FLUSHING**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-04
Client ID: MW-0X_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 12:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/20/24 16:57
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-04
 Client ID: MW-0X_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 12:00
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	3.4		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS****Lab ID:** L2446181-04**Date Collected:** 08/14/24 12:00**Client ID:** MW-0X_20240814**Date Received:** 08/14/24**Sample Location:** 19-06 FLUSHING**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS**

Lab ID: L2446181-05
 Client ID: FB-01_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 16:30
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 08/19/24 16:25

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS**

Lab ID: L2446181-05
 Client ID: FB-01_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 16:30
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-05
Client ID: FB-01_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 16:30
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	122		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-06
Client ID: TB-01_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 00:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/19/24 16:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**SAMPLE RESULTS**

Lab ID: L2446181-06
 Client ID: TB-01_20240814
 Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 00:00
 Date Received: 08/14/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

SAMPLE RESULTS

Lab ID: L2446181-06
Client ID: TB-01_20240814
Sample Location: 19-06 FLUSHING

Date Collected: 08/14/24 00:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	120		70-130

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/19/24 10:23
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1961487-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/19/24 10:23
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1961487-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/19/24 10:23
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1961487-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/20/24 08:58
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1961736-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2446181

Project Number: 180291

Report Date: 08/21/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/20/24 08:58
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1961736-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2446181
Report Date: 08/21/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/20/24 08:58
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1961736-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1961487-3 WG1961487-4								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	98		92		63-130	6		20
1,1,2-Trichloroethane	94		90		70-130	4		20
Tetrachloroethene	110		98		70-130	12		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	120		130		62-150	8		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	87		81		70-130	7		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	96		85		54-136	12		20
1,1,2,2-Tetrachloroethane	100		90		67-130	11		20
Benzene	110		100		70-130	10		20
Toluene	100		99		70-130	1		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	73		74		64-130	1		20
Bromomethane	74		70		39-139	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1961487-3 WG1961487-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	140	Q	150	Q	55-138	7		20
1,1-Dichloroethene	91		85		61-145	7		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		97		70-130	3		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	110		99		70-130	11		20
1,4-Dichlorobenzene	110		99		70-130	11		20
Methyl tert butyl ether	86		86		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	94		84		64-130	11		20
Acrylonitrile	86		87		70-130	1		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	88		85		36-147	3		20
Acetone	77		74		58-148	4		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	74		75		63-138	1		20
Vinyl acetate	95		94		70-130	1		20
4-Methyl-2-pentanone	64		63		59-130	2		20
2-Hexanone	54	Q	53	Q	57-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1961487-3 WG1961487-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	94		88		70-130	7		20
1,3-Dichloropropane	94		90		70-130	4		20
1,1,1,2-Tetrachloroethane	100		97		64-130	3		20
Bromobenzene	110		95		70-130	15		20
n-Butylbenzene	110		99		53-136	11		20
sec-Butylbenzene	110		94		70-130	16		20
tert-Butylbenzene	100		93		70-130	7		20
o-Chlorotoluene	100		94		70-130	6		20
p-Chlorotoluene	110		94		70-130	16		20
1,2-Dibromo-3-chloropropane	86		79		41-144	8		20
Hexachlorobutadiene	100		91		63-130	9		20
Isopropylbenzene	100		91		70-130	9		20
p-Isopropyltoluene	100		92		70-130	8		20
Naphthalene	91		82		70-130	10		20
n-Propylbenzene	110		93		69-130	17		20
1,2,3-Trichlorobenzene	100		88		70-130	13		20
1,2,4-Trichlorobenzene	100		92		70-130	8		20
1,3,5-Trimethylbenzene	110		93		64-130	17		20
1,2,4-Trimethylbenzene	110		94		70-130	16		20
1,4-Dioxane	74		86		56-162	15		20
p-Diethylbenzene	110		94		70-130	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1961487-3 WG1961487-4								
p-Ethyltoluene	110		93		70-130	17		20
1,2,4,5-Tetramethylbenzene	99		89		70-130	11		20
Ethyl ether	120		120		59-134	0		20
trans-1,4-Dichloro-2-butene	76		70		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	97		92		70-130
Dibromofluoromethane	108		111		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1961736-3 WG1961736-4								
Methylene chloride	92		95		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	93		92		70-130	1		20
Carbon tetrachloride	93		92		63-132	1		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	94		92		62-150	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	93		93		67-130	0		20
Bromodichloromethane	93		94		67-130	1		20
trans-1,3-Dichloropropene	95		93		70-130	2		20
cis-1,3-Dichloropropene	90		92		70-130	2		20
1,1-Dichloropropene	93		93		70-130	0		20
Bromoform	86		89		54-136	3		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	96		96		70-130	0		20
Toluene	95		94		70-130	1		20
Ethylbenzene	91		93		70-130	2		20
Chloromethane	94		94		64-130	0		20
Bromomethane	66		65		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1961736-3 WG1961736-4								
Vinyl chloride	96		96		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	86		89		61-145	3		20
trans-1,2-Dichloroethene	90		88		70-130	2		20
Trichloroethene	88		87		70-130	1		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	94		94		70-130	0		20
Methyl tert butyl ether	83		87		63-130	5		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	86		91		70-130	6		20
Dibromomethane	93		93		70-130	0		20
1,2,3-Trichloropropane	91		93		64-130	2		20
Acrylonitrile	110		110		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	75		74		36-147	1		20
Acetone	86		86		58-148	0		20
Carbon disulfide	95		94		51-130	1		20
2-Butanone	110		98		63-138	12		20
Vinyl acetate	140	Q	150	Q	70-130	7		20
4-Methyl-2-pentanone	95		94		59-130	1		20
2-Hexanone	88		88		57-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1961736-3 WG1961736-4								
Bromochloromethane	95		95		70-130	0		20
2,2-Dichloropropane	92		92		63-133	0		20
1,2-Dibromoethane	93		94		70-130	1		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	95		95		64-130	0		20
Bromobenzene	86		94		70-130	9		20
n-Butylbenzene	90		92		53-136	2		20
sec-Butylbenzene	87		88		70-130	1		20
tert-Butylbenzene	86		90		70-130	5		20
o-Chlorotoluene	88		90		70-130	2		20
p-Chlorotoluene	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	85		84		41-144	1		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	86		89		70-130	3		20
p-Isopropyltoluene	86		90		70-130	5		20
Naphthalene	74		74		70-130	0		20
n-Propylbenzene	89		88		69-130	1		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trichlorobenzene	86		92		70-130	7		20
1,3,5-Trimethylbenzene	87		89		64-130	2		20
1,2,4-Trimethylbenzene	87		90		70-130	3		20
1,4-Dioxane	84		78		56-162	7		20
p-Diethylbenzene	84		87		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1961736-3 WG1961736-4								
p-Ethyltoluene	86		88		70-130	2		20
1,2,4,5-Tetramethylbenzene	75		78		70-130	4		20
Ethyl ether	90		90		59-134	0		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		110		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	88		88		70-130
Dibromofluoromethane	101		98		70-130

Matrix Spike Analysis**Batch Quality Control****Project Name:** QUEENS ANIMAL SHELTER**Project Number:** 180291**Lab Number:** L2446181**Report Date:** 08/21/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1961736-6 WG1961736-7 QC Sample: L2446181-02 Client ID: MW-06B_20240814												
Methylene chloride	ND	10	9.9	99		10	100		70-130	1		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	12	10	22	100		23	110		70-130	4		20
Carbon tetrachloride	ND	10	9.8	98		10	100		63-132	2		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	9.2	92		9.4	94		63-130	2		20
1,1,2-Trichloroethane	ND	10	10	100		9.9	99		70-130	1		20
Tetrachloroethene	ND	10	9.7	97		9.8	98		70-130	1		20
Chlorobenzene	ND	10	9.8	98		9.8	98		75-130	0		20
Trichlorofluoromethane	ND	10	10	100		11	110		62-150	10		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	9.9	99		10	100		67-130	1		20
Bromodichloromethane	ND	10	9.8	98		10	100		67-130	2		20
trans-1,3-Dichloropropene	ND	10	9.0	90		9.2	92		70-130	2		20
cis-1,3-Dichloropropene	ND	10	8.3	83		8.7	87		70-130	5		20
1,1-Dichloropropene	ND	10	9.8	98		10	100		70-130	2		20
Bromoform	ND	10	8.6	86		8.6	86		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	1.0J	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	9.5	95		9.6	96		70-130	1		20
Chloromethane	ND	10	9.4	94		10	100		64-130	6		20
Bromomethane	ND	10	2.6	26	Q	3.8	38	Q	39-139	38	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1961736-6 WG1961736-7 QC Sample: L2446181-02 Client ID: MW-06B_20240814												
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
Chloroethane	ND	10	13	130		14	140	Q	55-138	7		20
1,1-Dichloroethene	ND	10	9.7	97		10	100		61-145	3		20
trans-1,2-Dichloroethene	ND	10	9.9	99		10	100		70-130	1		20
Trichloroethene	ND	10	9.2	92		9.5	95		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.1	91		9.2	92		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.2	92		9.2	92		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.2	92		9.2	92		70-130	0		20
Methyl tert butyl ether	ND	10	8.4	84		8.7	87		63-130	4		20
p/m-Xylene	ND	20	19	95		19	95		70-130	0		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	9.3	93		9.7	97		70-130	4		20
Dibromomethane	ND	10	9.5	95		10	100		70-130	5		20
1,2,3-Trichloropropane	ND	10	9.6	96		9.6	96		64-130	0		20
Acrylonitrile	ND	10	11	110		12	120		70-130	9		20
Styrene	ND	20	19	95		19	95		70-130	0		20
Dichlorodifluoromethane	ND	10	7.6	76		8.2	82		36-147	8		20
Acetone	140	10	140	0	Q	160	200	Q	58-148	13		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	8.3	10	19	107		20	117		63-138	5		20
Vinyl acetate	ND	10	14	140	Q	14	140	Q	70-130	0		20
4-Methyl-2-pentanone	ND	10	10	100		9.8	98		59-130	2		20
2-Hexanone	ND	10	11	110		11	110		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2446181

Report Date: 08/21/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1961736-6 WG1961736-7 QC Sample: L2446181-02 Client ID: MW-06B_20240814												
Bromochloromethane	ND	10	9.2	92		9.3	93		70-130	1		20
2,2-Dichloropropane	ND	10	7.4	74		8.0	80		63-133	8		20
1,2-Dibromoethane	ND	10	9.2	92		9.2	92		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92		9.4	94		64-130	2		20
Bromobenzene	ND	10	8.9	89		9.2	92		70-130	3		20
n-Butylbenzene	ND	10	9.1	91		9.0	90		53-136	1		20
sec-Butylbenzene	ND	10	8.9	89		8.8	88		70-130	1		20
tert-Butylbenzene	ND	10	8.7	87		8.8	88		70-130	1		20
o-Chlorotoluene	ND	10	8.8	88		9.0	90		70-130	2		20
p-Chlorotoluene	ND	10	8.8	88		8.9	89		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	8.7	87		8.6	86		41-144	1		20
Hexachlorobutadiene	ND	10	12	120		12	120		63-130	0		20
Isopropylbenzene	ND	10	8.7	87		8.8	88		70-130	1		20
p-Isopropyltoluene	ND	10	8.8	88		8.5	85		70-130	3		20
Naphthalene	ND	10	6.8	68	Q	7.4	74		70-130	8		20
n-Propylbenzene	ND	10	8.9	89		8.9	89		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	7.4	74		7.7	77		70-130	4		20
1,2,4-Trichlorobenzene	ND	10	8.0	80		8.3	83		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	8.6	86		8.7	87		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	8.5	85		8.7	87		70-130	2		20
1,4-Dioxane	ND	500	460	92		490	98		56-162	6		20
p-Diethylbenzene	ND	10	8.5	85		8.4	84		70-130	1		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** QUEENS ANIMAL SHELTER**Project Number:** 180291**Lab Number:** L2446181**Report Date:** 08/21/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1961736-6 WG1961736-7 QC Sample: L2446181-02 Client ID: MW-06B_20240814												
p-Ethyltoluene	ND	10	8.7	87		8.9	89		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	7.2	72		7.4	74		70-130	3		20
Ethyl ether	ND	10	9.0	90		9.5	95		59-134	5		20
trans-1,4-Dichloro-2-butene	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		113		70-130
4-Bromofluorobenzene	90		87		70-130
Dibromofluoromethane	96		100		70-130
Toluene-d8	102		101		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2446181**Project Number:** 180291**Report Date:** 08/21/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2446181-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-02C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-06A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2446181-06B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

Project Name: QUEENS ANIMAL SHELTER
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Lab Number: L2446181
Report Date: 08/21/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

September 24, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2446181

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. L2446181 has been completed. The following samples were reported:

MW-08B_20240814
MW-05B_20240814
FB-01_20240814

MW-06B_20240814
MW-0X_20240814
TB-01_20240814

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The results for bromomethane in FB-01_20240814 and TB-01_20240814 are qualified as estimated (UJ) due unacceptable percent difference (%D) in the second source initial calibration verification (ICV) standard.
- The results for bromomethane, acetone, 2-butanone, 1,4-dioxane, 4-methyl-2-pentanone, 2-hexanone and trans-1,4-dichloro-2-butene in MW-08B_20240814, MW-05B_20240814, MW-0X_20240814 and MW-06B_20240814 and dichlorodifluoromethane, bromomethane, 1,2,4,5-tetramethylbenzene and naphthalene in FB-01_20240814 and TB-01_20240814 are qualified as estimated (J-, UJ) due low response in the continuing calibration verification (CCV) standard.
- The results for 2-hexnone in FB-01_20240814 and TB-01_20240814 and bromomethane in MW-08B_20240814, MW-05B_20240814, MW-0X_20240814 and MW-06B_20240814 are qualified as estimated (UJ) due to low recovery in the laboratory control sample (LCS) and LCS duplicate (LCSD).
- The results for bromomethane in MW-06B_20240814 are qualified as estimated (UJ) due to low recovery in the matrix spike (MS)/ MS duplicate (MSD) and high MS/MSD relative percent difference (RPD). The result for naphthalene in MW-06B_20240814 is qualified as estimated (UJ) due to low recovery in the MS.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Clean Canister Certification
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of August 14, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics**Calibration**

Two initial calibrations (ICs) were performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r²) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%$ D) with the exceptions noted below:

Analyte	%D	Associated Sample	Qualifier Applied
<i>GONZO ICV 13 Jul 2024 2:55 am</i>			
Bromomethane	69.6	FB-01_20240814 TB-01_20240814	UJ

The percent difference represents a decrease in instrument sensitivity. The results for bromomethane in FB-01_20240814 and TB-01_20240814 are qualified as estimated (UJ) due unacceptable %D in the ICV.

Two CCVs were analyzed in support of sample analysis. All percent differences (%Ds) are acceptable ($\leq 20\%$ D) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
VOA108 CCV 08/19/24 09:16			
Bromomethane	25.9	MW-08B_20240814 MW-05B_20240814 MW-0X_20240814 MW-06B_20240814	UJ
Acetone	23.1		
2-Butanone	26.5		
1,4-Dioxane	25.6		
4-Methyl-2-pentanone	36.2		
2-Hexanone	46.2		
trans-1,4-Dichloro-2-butene	23.7		
GONZO CCV 08/20/24 07:47			
Dichlorodifluoromethane	24.5	FB-01_20240814 TB-01_20240814	UJ
Bromomethane	34.4		
1,2,4,5-Tetramethylbenzene	24.9		
Naphthalene	26		

The results for bromomethane, acetone, 2-butanone, 1,4-dioxane, 4-methyl-2-pentanone, 2-hexanone and trans-1,4-dichloro-2-butene in MW-08B_20240814, MW-05B_20240814, MW-0X_20240814 and MW-06B_20240814 and dichlorodifluoromethane, bromomethane, 1,2,4,5-tetramethylbenzene and naphthalene in FB-01_20240814 and TB-01_20240814 are qualified as estimated (J-, UJ) due to low response in the CCV.

Laboratory Control Sample (LCS) / LCS Duplicate (LCS)

Two LCS/LCSDs pair were analyzed in support of sample analysis. The LCS/LCSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>LCS WG1961487-3&4</i>				
2-Hexanone	54	53	a	FB-01_20240814 TB-01_20240814
<i>LCS WG1961736-3&4</i>				
Bromomethane	66	65	a	MW-08B_20240814 MW-05B_20240814 MW-0X_20240814 MW-06B_20240814

a=acceptable

The results for 2-hexnone in FB-01_20240814 and TB-01_20240814 and bromomethane in MW-08B_20240814, MW-05B_20240814, MW-0X_20240814 and MW-06B_20240814 are qualified as estimated (UJ) due to low recovery in the LCS and LCSD.

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-06B_20240814. The MS/MSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Bromomethane	26	38	38
Naphthalene	68	a	a

a=acceptable

The results for bromomethane in MW-06B_20240814 are qualified as estimated (UJ) due to low recovery in the MS/ MSD and high MS/MSD RPD. The result for naphthalene in MW-06B_20240814 is qualified as estimated (UJ) due to low recovery in the MS. Where the %R is high and the parent concentration is more than four times the concentration spiked, a meaningful recovery is not expected and sample results are not qualified. Where the %R is high and analyte was not detected there is no impact to the sample results. These are not detailed above.

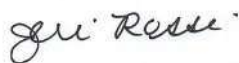
Field Duplicates

MW-0X_20240814 was submitted as a field duplicate of MW-05B_20240814. Precision between paired samples is acceptable ($RPD \leq 30$) as presented below.

Analyte	MW-05B_20240814 (µg/L)	MW-0X_20240814 (µg/L)	RPD
tert-Butyl methyl ether (MTBE)	3.8	3.4	11

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjერიოssi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

NEW YORK CHAIN OF CUSTODY

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave. Suite 105

Page

of

Date Rec'd
in Lab

8/15/24

L2446181
AKRF - M

21AUG24



Project Information

Project Name: 9-06 Flushing
Project Location: Queens animal shelter
Project #: 180291

Deliverables

☐ ASP-A ☐ ASP-
☐ EQUIS (1 File) ☐ EQUIS (4 File)
☐ Other

|PO #

Client Information

Client: AWRF
Address: 440 Park Ave S
Phone: _____
Fax: _____
Email: JD.ogins@AWRF.com

(Use Project name as Project #)	☐
Project Manager:	Patrick Diggins
ALPHAQuote #:	
Turn-Around Time	

Regulatory Requirement

☐ NY TOGS	☐ NY Part 375
☐ AWQ Standards	☐ NY CP-51
☐ NY Restricted Use	☐ Other
☐ NY Unrestricted Use	
☐ NYC Sewer Discharge	

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other _____

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

AMRF EQUIS, CAT A, CIOSE SDC

Please specify Metals or TAL.

ANALYSIS

VOC-8260									☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)
									Sample Specific Comments

E. coli O157:H7

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
46181-01	MW-05B-20240814	8/14/24	1220	GW	MB
02	MW-06B-20240814		1425		
03	MW-05B-20240814		1615		
04	MW-0X-20240814		1200		
05	FB-01-20240814		1630		
06	TB-01-20240814	—	—	W	—

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Vol 4

Preservative

HO

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Relinquished By:	Date/Time	Received By:	Date/Time
Mike Bates	8/14/24 1655	WIF (Pace)	8/14/24 1555
WIF (Pace)	8/14/24 1858	MSMA (AN)	8/14/24 1830
MSMA (AN)	8/15 120	MSMA (AN)	8/14 2200
			8/15/24 4-U

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2446181
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1961487-3 Analysis Date : 08/19/24 09:16 File ID : V08240819A02
 LCSD Sample ID : WG1961487-4 Analysis Date : 08/19/24 09:39 File ID : V08240819A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Trichloroethene	10	10	100	10	9.7	97	3	70-130	20
1,2-Dichlorobenzene	10	11	110	10	9.6	96	14	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.9	99	11	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.9	99	11	70-130	20
Methyl tert butyl ether	10	8.6	86	10	8.6	86	0	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Dibromomethane	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichloropropane	10	9.4	94	10	8.4	84	11	64-130	20
Acrylonitrile	10	8.6	86	10	8.7	87	1	70-130	20
Styrene	20	20	100	20	19	95	5	70-130	20
Dichlorodifluoromethane	10	8.8	88	10	8.5	85	3	36-147	20
Acetone	10	7.7	77	10	7.4	74	4	58-148	20
Carbon disulfide	10	10	100	10	9.8	98	2	51-130	20
2-Butanone	10	7.4	74	10	7.5	75	1	63-138	20
Vinyl acetate	10	9.5	95	10	9.4	94	1	70-130	20
4-Methyl-2-pentanone	10	6.4	64	10	6.3	63	2	59-130	20
2-Hexanone	10	5.4	54 Q	10	5.3	53 Q	2	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	9.4	94	10	8.8	88	7	70-130	20
1,3-Dichloropropane	10	9.4	94	10	9.0	90	4	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100	10	9.7	97	3	64-130	20
Bromobenzene	10	11	110	10	9.5	95	15	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2446181
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1961736-3 Analysis Date : 08/20/24 07:47 File ID : VG240820A02
 LCSD Sample ID : WG1961736-4 Analysis Date : 08/20/24 08:11 File ID : VG240820A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.2	92	10	9.5	95	3	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.3	93	10	9.2	92	1	70-130	20
Carbon tetrachloride	10	9.3	93	10	9.2	92	1	63-132	20
1,2-Dichloropropane	10	9.8	98	10	9.9	99	1	70-130	20
Dibromochloromethane	10	9.5	95	10	9.3	93	2	63-130	20
1,1,2-Trichloroethane	10	9.8	98	10	9.8	98	0	70-130	20
Tetrachloroethene	10	9.4	94	10	9.6	96	2	70-130	20
Chlorobenzene	10	9.6	96	10	9.4	94	2	75-130	20
Trichlorofluoromethane	10	9.4	94	10	9.2	92	2	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	9.3	93	10	9.3	93	0	67-130	20
Bromodichloromethane	10	9.3	93	10	9.4	94	1	67-130	20
trans-1,3-Dichloropropene	10	9.5	95	10	9.3	93	2	70-130	20
cis-1,3-Dichloropropene	10	9.0	90	10	9.2	92	2	70-130	20
1,1-Dichloropropene	10	9.3	93	10	9.3	93	0	70-130	20
Bromoform	10	8.6	86	10	8.9	89	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.7	97	10	10	100	3	67-130	20
Benzene	10	9.6	96	10	9.6	96	0	70-130	20
Toluene	10	9.5	95	10	9.4	94	1	70-130	20
Ethylbenzene	10	9.1	91	10	9.3	93	2	70-130	20
Chloromethane	10	9.4	94	10	9.4	94	0	64-130	20
Bromomethane	10	6.6	66	10	6.5	65	2	39-139	20
Vinyl chloride	10	9.6	96	10	9.6	96	0	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	8.6	86	10	8.9	89	3	61-145	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Client Sample ID : MW-06B_20240814
 Lab Sample ID : L2446181-02
 Matrix Spike : WG1961736-6
 Matrix Spike Dup : WG1961736-7

Lab Number : L2446181
 Project Number : 180291
 Matrix (Level) : WATER (LOW)
 Analysis Date : 08/20/24 17:21
 MS Analysis Date : 08/20/24 17:45
 MSD Analysis Date : 08/20/24 18:09

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit		
		Spike Added (ug/l)	Spike Conc. (ug/l)			Spike Added (ug/l)	Spike Conc. (ug/l)	%R					
Bromomethane	ND	10	2.6	26	Q	10	3.8	38	Q	38	Q	39-139	20
Vinyl chloride	ND	10	11	110		10	11	110		0		55-140	20
Chloroethane	ND	10	13	130		10	14	140	Q	7		55-138	20
1,1-Dichloroethene	ND	10	9.7	97		10	10	100		3		61-145	20
trans-1,2-Dichloroethene	ND	10	9.9	99		10	10	100		1		70-130	20
Trichloroethene	ND	10	9.2	92		10	9.5	95		3		70-130	20
1,2-Dichlorobenzene	ND	10	9.1	91		10	9.2	92		1		70-130	20
1,3-Dichlorobenzene	ND	10	9.2	92		10	9.2	92		0		70-130	20
1,4-Dichlorobenzene	ND	10	9.2	92		10	9.2	92		0		70-130	20
Methyl tert butyl ether	ND	10	8.4	84		10	8.7	87		4		63-130	20
p/m-Xylene	ND	20	19	95		20	19	95		0		70-130	20
o-Xylene	ND	20	19	95		20	19	95		0		70-130	20
cis-1,2-Dichloroethene	ND	10	9.3	93		10	9.7	97		4		70-130	20
Dibromomethane	ND	10	9.5	95		10	10	100		5		70-130	20
1,2,3-Trichloropropane	ND	10	9.6	96		10	9.6	96		0		64-130	20
Acrylonitrile	ND	10	11	110		10	12	120		9		70-130	20
Styrene	ND	20	19	95		20	19	95		0		70-130	20
Dichlorodifluoromethane	ND	10	7.6	76		10	8.2	82		8		36-147	20
Acetone	140	10	140	0	Q	10	160	200	Q	13		58-148	20
Carbon disulfide	ND	10	11	110		10	12	120		9		51-130	20
2-Butanone	8.3	10	19	107		10	20	117		5		63-138	20
Vinyl acetate	ND	10	14	140	Q	10	14	140	Q	0		70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Client Sample ID : MW-06B_20240814
 Lab Sample ID : L2446181-02
 Matrix Spike : WG1961736-6
 Matrix Spike Dup : WG1961736-7

Lab Number : L2446181
 Project Number : 180291
 Matrix (Level) : WATER (LOW)
 Analysis Date : 08/20/24 17:21
 MS Analysis Date : 08/20/24 17:45
 MSD Analysis Date : 08/20/24 18:09

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	10	10	100	10	9.8	98	2	59-130	20
2-Hexanone	ND	10	11	110	10	11	110	0	57-130	20
Bromochloromethane	ND	10	9.2	92	10	9.3	93	1	70-130	20
2,2-Dichloropropane	ND	10	7.4	74	10	8.0	80	8	63-133	20
1,2-Dibromoethane	ND	10	9.2	92	10	9.2	92	0	70-130	20
1,3-Dichloropropane	ND	10	10	100	10	10	100	0	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92	10	9.4	94	2	64-130	20
Bromobenzene	ND	10	8.9	89	10	9.2	92	3	70-130	20
n-Butylbenzene	ND	10	9.1	91	10	9.0	90	1	53-136	20
sec-Butylbenzene	ND	10	8.9	89	10	8.8	88	1	70-130	20
tert-Butylbenzene	ND	10	8.7	87	10	8.8	88	1	70-130	20
o-Chlorotoluene	ND	10	8.8	88	10	9.0	90	2	70-130	20
p-Chlorotoluene	ND	10	8.8	88	10	8.9	89	1	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.7	87	10	8.6	86	1	41-144	20
Hexachlorobutadiene	ND	10	12	120	10	12	120	0	63-130	20
Isopropylbenzene	ND	10	8.7	87	10	8.8	88	1	70-130	20
p-Isopropyltoluene	ND	10	8.8	88	10	8.5	85	3	70-130	20
Naphthalene	ND	10	6.8	68 Q	10	7.4	74	8	70-130	20
n-Propylbenzene	ND	10	8.9	89	10	8.9	89	0	69-130	20
1,2,3-Trichlorobenzene	ND	10	7.4	74	10	7.7	77	4	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.0	80	10	8.3	83	4	70-130	20
1,3,5-Trimethylbenzene	ND	10	8.6	86	10	8.7	87	1	64-130	20



Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240712PICAL\
 Data File : VG240712P17.D
 Acq On : 13 Jul 2024 2:55 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG1947004,ICAL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
 Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Jul 15 09:43:32 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TP	Dichlorodifluoromethane	0.265	0.246	7.2	84	0.00
3 TP	Chloromethane	0.227	0.260	-14.5	114	0.00
4 TP	Vinyl chloride	0.235	0.243	-3.4	93	0.00
5 TP	Bromomethane	0.125	0.212	-69.6#	172	0.00
6 TP	Chloroethane	0.180	0.196	-8.9	105	0.00
7 TP	Trichlorofluoromethane	0.345	0.344	0.3	101	0.00
8 TP	Ethyl ether	0.115	0.116	-0.9	102	0.00
10 TP	1,1-Dichloroethene	0.189	0.187	1.1	94	0.00
11 TP	Carbon disulfide	0.556	0.499	10.3	87	0.00
12 TP	Freon-113	0.208	0.195	6.2	91	0.00
13 TP	Iodomethane	0.365	0.234	35.9#	67	0.00
14 TP	Acrolein	0.033	0.022	33.3#	63	0.00
15 TP	Methylene chloride	0.224	0.220	1.8	98	0.00
17 TP	Acetone	* 10.000	9.753	2.5	107	0.00
18 TP	trans-1,2-Dichloroethene	0.207	0.205	1.0	94	0.00
19 TP	Methyl acetate	0.115	0.111	3.5	101	0.00
20 TP	Methyl tert-butyl ether	0.636	0.546	14.2	87	0.00
21 TP	tert-Butyl alcohol	0.018	0.018	0.0	102	0.00
22 TP	Diisopropyl ether	0.650	0.658	-1.2	99	0.00
23 TP	1,1-Dichloroethane	0.375	0.385	-2.7	98	0.00
24 TP	Halothane	0.172	0.169	1.7	94	0.00
25 TP	Acrylonitrile	0.058	0.053	8.6	91	0.00
26 TP	Ethyl tert-butyl ether	0.639	0.611	4.4	95	0.00
27 TP	Vinyl acetate	0.347	0.348	-0.3	94	0.00
28 TP	cis-1,2-Dichloroethene	0.238	0.242	-1.7	99	0.00
29 TP	2,2-Dichloropropane	0.313	0.278	11.2	87	0.00
30 TP	Bromochloromethane	0.116	0.113	2.6	94	0.00
31 TP	Cyclohexane	0.356	0.319	10.4	85	0.00
32 TP	Chloroform	0.384	0.402	-4.7	99	0.00
33 TP	Ethyl acetate	0.170	0.168	1.2	104	0.00
34 TP	Carbon tetrachloride	0.311	0.319	-2.6	93	0.00
35 TP	Tetrahydrofuran	0.056	0.054	3.6	93	0.00
36 S	Dibromofluoromethane	0.261	0.258	1.1	99	0.00
37 TP	1,1,1-Trichloroethane	0.354	0.365	-3.1	98	0.00
39 TP	2-Butanone	0.073	0.075	-2.7	104	0.00
40 TP	1,1-Dichloropropene	0.283	0.296	-4.6	100	0.00
41 TP	Benzene	0.857	0.889	-3.7	97	0.00
42 TP	tert-Amyl methyl ether	0.585	0.570	2.6	98	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : VOA108
 Lab File ID : V08240819A02
 Sample No : WG1961487-2
 Channel :

Lab Number : L2446181
 Project Number : 180291
 Calibration Date : 08/19/24 09:16
 Init. Calib. Date(s) : 07/31/24 07/31/24
 Init. Calib. Times : 18:28 21:52

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	59	0
Dichlorodifluoromethane	0.248	0.217	-	12.5	20	53	0
Chloromethane	0.274	0.2	-	27*	20	42	-.01
Vinyl chloride	0.3	0.316	-	-5.3	20	63	0
Bromomethane	0.174	0.129	-	25.9*	20	47	0
Chloroethane	0.197	0.279	-	-41.6*	20	85	0
Trichlorofluoromethane	0.429	0.523	-	-21.9*	20	76	0
Ethyl ether	0.158	0.182	-	-15.2	20	66	0
1,1-Dichloroethene	0.243	0.222	-	8.6	20	65	0
Carbon disulfide	0.734	0.752	-	-2.5	20	67	0
Freon-113	0.22	0.229	-	-4.1	20	72	0
Acrolein	0.028	0.03	-	-7.1	20	67	0
Methylene chloride	0.246	0.256	-	-4.1	20	62	0
Acetone	0.052	0.04	-	23.1*	20	40	-.01
trans-1,2-Dichloroethene	0.227	0.248	-	-9.3	20	64	0
Methyl acetate	0.119	0.106	-	10.9	20	54	0
Methyl tert-butyl ether	0.706	0.61	-	13.6	20	51	0
tert-Butyl alcohol	0.019	0.014	-	26.3*	20	41	0
Diisopropyl ether	0.678	0.608	-	10.3	20	55	0
1,1-Dichloroethane	0.406	0.449	-	-10.6	20	64	0
Halothane	0.177	0.203	-	-14.7	20	69	0
Acrylonitrile	0.066	0.056	-	15.2	20	51	0
Ethyl tert-butyl ether	0.708	0.618	-	12.7	20	52	-.01
Vinyl acetate	0.448	0.425	-	5.1	20	76	-.01
cis-1,2-Dichloroethene	0.259	0.275	-	-6.2	20	62	0
2,2-Dichloropropane	0.32	0.355	-	-10.9	20	68	0
Bromochloromethane	0.129	0.14	-	-8.5	20	62	0
Cyclohexane	0.34	0.321	-	5.6	20	62	-.01
Chloroform	0.422	0.468	-	-10.9	20	65	-.01
Ethyl acetate	0.189	0.142	-	24.9*	20	45	-.01
Carbon tetrachloride	0.328	0.38	-	-15.9	20	68	0
Tetrahydrofuran	0.058	0.044	-	24.1*	20	45	0
Dibromofluoromethane	0.278	0.3	-	-7.9	20	65	0
1,1,1-Trichloroethane	0.362	0.404	-	-11.6	20	67	0
2-Butanone	0.083	0.061	-	26.5*	20	47	-.01
1,1-Dichloropropene	0.292	0.301	-	-3.1	20	63	-.01
Benzene	0.888	0.968	-	-9	20	63	0
tert-Amyl methyl ether	0.659	0.535	-	18.8	20	48	0
1,2-Dichloroethane-d4	0.291	0.289	-	0.7	20	60	0
1,2-Dichloroethane	0.292	0.296	-	-1.4	20	59	0
Methyl cyclohexane	0.342	0.324	-	5.3	20	65	-.01
Trichloroethene	0.256	0.26	-	-1.6	20	59	0
Dibromomethane	0.149	0.152	-	-2	20	60	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : VOA108
 Lab File ID : V08240819A02
 Sample No : WG1961487-2
 Channel :

Lab Number : L2446181
 Project Number : 180291
 Calibration Date : 08/19/24 09:16
 Init. Calib. Date(s) : 07/31/24 07/31/24
 Init. Calib. Times : 18:28 21:52

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.229	0.236	-	-3.1	20	59	-.01
Bromodichloromethane	0.335	0.351	-	-4.8	20	61	-.01
1,4-Dioxane	0.0018	0.00134*	-	25.6*	20	43	-.01
cis-1,3-Dichloropropene	0.373	0.36	-	3.5	20	56	-.01
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.25	1.212	-	3	20	59	-.01
Toluene	0.738	0.759	-	-2.8	20	63	-.01
4-Methyl-2-pentanone	0.094	0.06	-	36.2*	20	39	0
Tetrachloroethene	0.297	0.317	-	-6.7	20	67	-.01
trans-1,3-Dichloropropene	0.435	0.38	-	12.6	20	53	-.01
Ethyl methacrylate	0.396	0.273	-	31.1*	20	43	0
1,1,2-Trichloroethane	0.222	0.21	-	5.4	20	58	-.01
Chlorodibromomethane	0.344	0.336	-	2.3	20	60	-.01
1,3-Dichloropropane	0.438	0.41	-	6.4	20	56	-.01
1,2-Dibromoethane	0.261	0.245	-	6.1	20	58	0
2-Hexanone	0.173	0.093	-	46.2*	20	35	-.01
Chlorobenzene	0.84	0.884	-	-5.2	20	65	0
Ethylbenzene	1.411	1.421	-	-0.7	20	64	-.01
1,1,1,2-Tetrachloroethane	0.327	0.336	-	-2.8	20	63	0
p/m Xylene	0.557	0.568	-	-2	20	66	-.01
o Xylene	0.557	0.556	-	0.2	20	63	0
Styrene	0.911	0.912	-	-0.1	20	65	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	62	0
Bromoform	0.41	0.392	-	4.4	20	60	0
Isopropylbenzene	2.733	2.831	-	-3.6	20	64	0
4-Bromofluorobenzene	0.891	0.862	-	3.3	20	59	0
Bromobenzene	0.713	0.764	-	-7.2	20	65	-.01
n-Propylbenzene	3.131	3.319	-	-6	20	68	0
1,4-Dichlorobutane	0.868	0.775	-	10.7	20	57	-.01
1,1,2,2-Tetrachloroethane	0.62	0.639	-	-3.1	20	66	0
4-Ethyltoluene	2.604	2.772	-	-6.5	20	67	0
2-Chlorotoluene	1.95	2.059	-	-5.6	20	65	-.01
1,3,5-Trimethylbenzene	2.409	2.554	-	-6	20	66	0
1,2,3-Trichloropropane	0.517	0.488	-	5.6	20	58	0
trans-1,4-Dichloro-2-buten	0.173	0.132	-	23.7*	20	48	0
4-Chlorotoluene	1.941	2.06	-	-6.1	20	66	-.01
tert-Butylbenzene	2.007	2.114	-	-5.3	20	65	0
1,2,4-Trimethylbenzene	2.358	2.537	-	-7.6	20	67	-.01
sec-Butylbenzene	2.867	3.068	-	-7	20	68	0
p-Isopropyltoluene	2.567	2.678	-	-4.3	20	66	-.01
1,3-Dichlorobenzene	1.342	1.505	-	-12.1	20	68	-.01
1,4-Dichlorobenzene	1.342	1.499	-	-11.7	20	68	0
p-Diethylbenzene	1.479	1.592	-	-7.6	20	70	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG240820A02
 Sample No : WG1961736-2
 Channel :

Lab Number : L2446181
 Project Number : 180291
 Calibration Date : 08/20/24 07:47
 Init. Calib. Date(s) : 07/12/24 07/13/24
 Init. Calib. Times : 21:20 00:56

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.265	0.2	-	24.5*	20	63	0
Chloromethane	0.227	0.213	-	6.2	20	87	0
Vinyl chloride	0.235	0.225	-	4.3	20	80	0
Bromomethane	0.125	0.082	-	34.4*	20	61	0
Chloroethane	0.18	0.211	-	-17.2	20	105	0
Trichlorofluoromethane	0.345	0.323	-	6.4	20	89	0
Ethyl ether	0.115	0.103	-	10.4	20	85	0
1,1-Dichloroethene	0.189	0.162	-	14.3	20	76	0
Carbon disulfide	0.556	0.529	-	4.9	20	86	0
Freon-113	0.208	0.182	-	12.5	20	79	0
Iodomethane	0.365	0.133	-	63.6*	20	35	0
Acrolein	0.033	0.029	-	12.1	20	81	0
Methylene chloride	0.224	0.207	-	7.6	20	86	0
Acetone	10	8.559	-	14.4	20	89	0
trans-1,2-Dichloroethene	0.207	0.187	-	9.7	20	80	0
Methyl acetate	0.115	0.112	-	2.6	20	94	0
Methyl tert-butyl ether	0.636	0.53	-	16.7	20	78	0
tert-Butyl alcohol	0.018	0.014	-	22.2*	20	75	0
Diisopropyl ether	0.65	0.671	-	-3.2	20	94	0
1,1-Dichloroethane	0.375	0.374	-	0.3	20	88	0
Halothane	0.172	0.155	-	9.9	20	80	0
Acrylonitrile	0.058	0.064	-	-10.3	20	103	0
Ethyl tert-butyl ether	0.639	0.576	-	9.9	20	84	0
Vinyl acetate	0.347	0.498	-	-43.5*	20	126	0
cis-1,2-Dichloroethene	0.238	0.205	-	13.9	20	78	0
2,2-Dichloropropane	0.313	0.289	-	7.7	20	84	0
Bromochloromethane	0.116	0.111	-	4.3	20	85	0
Cyclohexane	0.356	0.321	-	9.8	20	80	0
Chloroform	0.384	0.359	-	6.5	20	82	0
Ethyl acetate	0.17	0.175	-	-2.9	20	101	0
Carbon tetrachloride	0.311	0.289	-	7.1	20	78	0
Tetrahydrofuran	0.056	0.055	-	1.8	20	88	0
Dibromofluoromethane	0.261	0.263	-	-0.8	20	94	0
1,1,1-Trichloroethane	0.354	0.329	-	7.1	20	82	0
2-Butanone	0.073	0.083	-	-13.7	20	106	0
1,1-Dichloropropene	0.283	0.264	-	6.7	20	83	0
Benzene	0.857	0.818	-	4.6	20	83	0
tert-Amyl methyl ether	0.585	0.469	-	19.8	20	75	0
1,2-Dichloroethane-d4	0.277	0.314	-	-13.4	20	101	0
1,2-Dichloroethane	0.273	0.283	-	-3.7	20	96	0
Methyl cyclohexane	0.333	0.269	-	19.2	20	69	0
Trichloroethene	0.242	0.213	-	12	20	80	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG240820A02
 Sample No : WG1961736-2
 Channel :

Lab Number : L2446181
 Project Number : 180291
 Calibration Date : 08/20/24 07:47
 Init. Calib. Date(s) : 07/12/24 07/13/24
 Init. Calib. Times : 21:20 00:56

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.106	0.93	-	15.9	20	75	0
n-Butylbenzene	1.522	1.375	-	9.7	20	81	0
1,2-Dichlorobenzene	1.084	1.009	-	6.9	20	85	0
1,2,4,5-Tetramethylbenzene	1.655	1.243	-	24.9*	20	71	0
1,2-Dibromo-3-chloropropan	0.092	0.079	-	14.1	20	87	0
1,3,5-Trichlorobenzene	0.713	0.649	-	9	20	84	0
Hexachlorobutadiene	0.2	0.203	-	-1.5	20	98	0
1,2,4-Trichlorobenzene	0.618	0.533	-	13.8	20	82	0
Naphthalene	1.387	1.027	-	26*	20	74	0
1,2,3-Trichlorobenzene	0.514	0.451	-	12.3	20	84	0

* Value outside of QC limits.





ANALYTICAL REPORT

Lab Number:	L2460266
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	QUEENS ANIMAL SHELTER
Project Number:	180291
Report Date:	10/23/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2460266-01	MW-05B_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 13:20	10/16/24
L2460266-02	MW-06B_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 16:40	10/16/24
L2460266-03	MW-08B_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 14:20	10/16/24
L2460266-04	MW-0X_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 12:30	10/16/24
L2460266-05	FB_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 16:45	10/16/24
L2460266-06	TB_20241016	WATER	19-06 FLUSHING AVENUE	10/16/24 00:00	10/16/24

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 10/23/24

ORGANICS

VOLATILES

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-01
Client ID: MW-05B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 13:20
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 18:19
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-01

Date Collected: 10/16/24 13:20

Client ID: MW-05B_20241016

Date Received: 10/16/24

Sample Location: 19-06 FLUSHING AVENUE

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	8.4		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-01
Client ID: MW-05B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 13:20
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-02
Client ID: MW-06B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 16:40
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 17:53
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-02

Date Collected: 10/16/24 16:40

Client ID: MW-06B_20241016

Date Received: 10/16/24

Sample Location: 19-06 FLUSHING AVENUE

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	59		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-02
Client ID: MW-06B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 16:40
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-03
Client ID: MW-08B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 14:20
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 17:26
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-03

Date Collected: 10/16/24 14:20

Client ID: MW-08B_20241016

Date Received: 10/16/24

Sample Location: 19-06 FLUSHING AVENUE

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.30	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-03
Client ID: MW-08B_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 14:20
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-04
Client ID: MW-0X_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 12:30
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 17:00
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-04

Date Collected: 10/16/24 12:30

Client ID: MW-0X_20241016

Date Received: 10/16/24

Sample Location: 19-06 FLUSHING AVENUE

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	6.2		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-04
Client ID: MW-0X_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 12:30
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-05
Client ID: FB_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 16:45
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 16:34
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-05

Date Collected: 10/16/24 16:45

Client ID: FB_20241016

Date Received: 10/16/24

Sample Location: 19-06 FLUSHING AVENUE

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-05
Client ID: FB_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 16:45
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-06
Client ID: TB_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 00:00
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/22/24 16:08
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2460266**Project Number:** 180291**Report Date:** 10/23/24**SAMPLE RESULTS****Lab ID:** L2460266-06**Date Collected:** 10/16/24 00:00**Client ID:** TB_20241016**Date Received:** 10/16/24**Sample Location:** 19-06 FLUSHING AVENUE**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

SAMPLE RESULTS

Lab ID: L2460266-06
Client ID: TB_20241016
Sample Location: 19-06 FLUSHING AVENUE

Date Collected: 10/16/24 00:00
Date Received: 10/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/22/24 09:36
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988048-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/22/24 09:36
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988048-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2460266

Project Number: 180291

Report Date: 10/23/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 10/22/24 09:36
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988048-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988048-3 WG1988048-4								
Methylene chloride	94		92		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	89		89		70-130	0		20
Carbon tetrachloride	95		93		63-132	2		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	96		97		63-130	1		20
1,1,2-Trichloroethane	92		93		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	95		93		75-130	2		20
Trichlorofluoromethane	43	Q	42	Q	62-150	2		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	92		91		67-130	1		20
Bromodichloromethane	91		88		67-130	3		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	94		92		70-130	2		20
Bromoform	85		87		54-136	2		20
1,1,2,2-Tetrachloroethane	86		86		67-130	0		20
Benzene	94		92		70-130	2		20
Toluene	94		92		70-130	2		20
Ethylbenzene	92		90		70-130	2		20
Chloromethane	84		83		64-130	1		20
Bromomethane	16	Q	18	Q	39-139	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988048-3 WG1988048-4								
Vinyl chloride	78		76		55-140	3		20
Chloroethane	50	Q	47	Q	55-138	6		20
1,1-Dichloroethene	96		92		61-145	4		20
trans-1,2-Dichloroethene	98		97		70-130	1		20
Trichloroethene	93		91		70-130	2		20
1,2-Dichlorobenzene	90		89		70-130	1		20
1,3-Dichlorobenzene	91		89		70-130	2		20
1,4-Dichlorobenzene	90		88		70-130	2		20
Methyl tert butyl ether	74		75		63-130	1		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	97		94		70-130	3		20
Dibromomethane	86		85		70-130	1		20
1,2,3-Trichloropropane	77		78		64-130	1		20
Acrylonitrile	91		92		70-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	77		76		36-147	1		20
Acetone	86		82		58-148	5		20
Carbon disulfide	96		94		51-130	2		20
2-Butanone	84		82		63-138	2		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	94		91		59-130	3		20
2-Hexanone	79		77		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988048-3 WG1988048-4								
Bromochloromethane	95		94		70-130	1		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	93		92		70-130	1		20
1,1,1,2-Tetrachloroethane	97		95		64-130	2		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	89		87		53-136	2		20
sec-Butylbenzene	87		86		70-130	1		20
tert-Butylbenzene	88		86		70-130	2		20
o-Chlorotoluene	89		88		70-130	1		20
p-Chlorotoluene	90		87		70-130	3		20
1,2-Dibromo-3-chloropropane	88		92		41-144	4		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	87		86		70-130	1		20
p-Isopropyltoluene	89		86		70-130	3		20
Naphthalene	82		83		70-130	1		20
n-Propylbenzene	86		85		69-130	1		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	86		84		64-130	2		20
1,2,4-Trimethylbenzene	87		85		70-130	2		20
1,4-Dioxane	98		88		56-162	11		20
p-Diethylbenzene	90		88		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988048-3 WG1988048-4								
p-Ethyltoluene	89		86		70-130	3		20
1,2,4,5-Tetramethylbenzene	89		85		70-130	5		20
Ethyl ether	40	Q	40	Q	59-134	0		20
trans-1,4-Dichloro-2-butene	77		79		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	102		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1988048-6 WG1988048-7 QC Sample: L2460266-03 Client ID: MW-08B_20241016												
Methylene chloride	ND	10	9.1	91		9.3	93		70-130	2		20
1,1-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
Chloroform	ND	10	8.9	89		9.2	92		70-130	3		20
Carbon tetrachloride	ND	10	9.0	90		9.2	92		63-132	2		20
1,2-Dichloropropane	ND	10	9.7	97		9.9	99		70-130	2		20
Dibromochloromethane	ND	10	9.0	90		9.3	93		63-130	3		20
1,1,2-Trichloroethane	ND	10	8.8	88		9.0	90		70-130	2		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	8.9	89		9.2	92		75-130	3		20
Trichlorofluoromethane	ND	10	4.2	42	Q	4.2	42	Q	62-150	0		20
1,2-Dichloroethane	ND	10	8.7	87		9.0	90		70-130	3		20
1,1,1-Trichloroethane	ND	10	8.9	89		9.1	91		67-130	2		20
Bromodichloromethane	ND	10	8.7	87		8.9	89		67-130	2		20
trans-1,3-Dichloropropene	ND	10	8.4	84		8.6	86		70-130	2		20
cis-1,3-Dichloropropene	ND	10	8.1	81		8.1	81		70-130	0		20
1,1-Dichloropropene	ND	10	8.7	87		8.9	89		70-130	2		20
Bromoform	ND	10	7.7	77		8.0	80		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	10	7.9	79		8.1	81		67-130	2		20
Benzene	ND	10	9.1	91		9.4	94		70-130	3		20
Toluene	ND	10	8.9	89		9.2	92		70-130	3		20
Ethylbenzene	ND	10	8.6	86		8.8	88		70-130	2		20
Chloromethane	ND	10	7.6	76		8.1	81		64-130	6		20
Bromomethane	ND	10	1.1J	11	Q	1.5J	15	Q	39-139	31	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1988048-6 WG1988048-7 QC Sample: L2460266-03 Client ID: MW-08B_20241016												
Vinyl chloride	ND	10	7.3	73		7.6	76		55-140	4		20
Chloroethane	ND	10	4.9	49	Q	5.1	51	Q	55-138	4		20
1,1-Dichloroethene	ND	10	9.3	93		9.6	96		61-145	3		20
trans-1,2-Dichloroethene	ND	10	9.5	95		9.8	98		70-130	3		20
Trichloroethene	ND	10	9.0	90		9.2	92		70-130	2		20
1,2-Dichlorobenzene	ND	10	8.2	82		8.5	85		70-130	4		20
1,3-Dichlorobenzene	ND	10	8.2	82		8.4	84		70-130	2		20
1,4-Dichlorobenzene	ND	10	8.1	81		8.3	83		70-130	2		20
Methyl tert butyl ether	0.30J	10	7.0	70		7.4	74		63-130	6		20
p/m-Xylene	ND	20	16	80		17	85		70-130	6		20
o-Xylene	ND	20	16	80		17	85		70-130	6		20
cis-1,2-Dichloroethene	ND	10	9.1	91		9.4	94		70-130	3		20
Dibromomethane	ND	10	8.1	81		8.3	83		70-130	2		20
1,2,3-Trichloropropane	ND	10	6.3	63	Q	6.6	66		64-130	5		20
Acrylonitrile	ND	10	8.1	81		8.6	86		70-130	6		20
Styrene	ND	20	16	80		15	75		70-130	6		20
Dichlorodifluoromethane	ND	10	6.8	68		6.8	68		36-147	0		20
Acetone	ND	10	9.4	94		11	110		58-148	16		20
Carbon disulfide	ND	10	9.3	93		9.5	95		51-130	2		20
2-Butanone	ND	10	7.6	76		8.4	84		63-138	10		20
Vinyl acetate	ND	10	11	110		9.6	96		70-130	14		20
4-Methyl-2-pentanone	ND	10	7.9	79		8.3	83		59-130	5		20
2-Hexanone	ND	10	6.8	68		7.3	73		57-130	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2460266

Report Date: 10/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1988048-6 WG1988048-7 QC Sample: L2460266-03 Client ID: MW-08B_20241016												
Bromochloromethane	ND	10	9.2	92		9.5	95		70-130	3		20
2,2-Dichloropropane	ND	10	8.3	83		8.5	85		63-133	2		20
1,2-Dibromoethane	ND	10	8.9	89		9.3	93		70-130	4		20
1,3-Dichloropropane	ND	10	8.7	87		9.0	90		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91		9.4	94		64-130	3		20
Bromobenzene	ND	10	8.6	86		9.0	90		70-130	5		20
n-Butylbenzene	ND	10	7.6	76		7.7	77		53-136	1		20
sec-Butylbenzene	ND	10	7.6	76		7.7	77		70-130	1		20
tert-Butylbenzene	ND	10	7.7	77		7.9	79		70-130	3		20
o-Chlorotoluene	ND	10	8.0	80		8.3	83		70-130	4		20
p-Chlorotoluene	ND	10	8.0	80		8.2	82		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80		8.4	84		41-144	5		20
Hexachlorobutadiene	ND	10	9.9	99		10	100		63-130	1		20
Isopropylbenzene	ND	10	7.8	78		8.0	80		70-130	3		20
p-Isopropyltoluene	ND	10	7.6	76		7.8	78		70-130	3		20
Naphthalene	ND	10	6.3	63	Q	7.2	72		70-130	13		20
n-Propylbenzene	ND	10	7.8	78		7.8	78		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.2	82		9.2	92		70-130	11		20
1,2,4-Trichlorobenzene	ND	10	8.3	83		9.1	91		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	7.6	76		7.9	79		64-130	4		20
1,2,4-Trimethylbenzene	ND	10	7.8	78		7.7	77		70-130	1		20
1,4-Dioxane	ND	500	360	72		400	80		56-162	11		20
p-Diethylbenzene	ND	10	7.6	76		7.9	79		70-130	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1988048-6 WG1988048-7 QC Sample: L2460266-03 Client ID: MW-08B_20241016												
p-Ethyltoluene	ND	10	7.9	79		8.0	80		70-130	1		20
1,2,4,5-Tetramethylbenzene	ND	10	7.2	72		7.4	74		70-130	3		20
Ethyl ether	ND	10	3.8	38	Q	4.0	40	Q	59-134	5		20
trans-1,4-Dichloro-2-butene	ND	10	6.1	61	Q	6.5	65	Q	70-130	6		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		89		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	104		102		70-130
Toluene-d8	104		103		70-130



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2460266**Project Number:** 180291**Report Date:** 10/23/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460266-01A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-01B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-01C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-02A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-02B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-02C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03A1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03A2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03B1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03B2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03C1	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-03C2	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-04A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-04B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-04C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-05A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-05B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-05C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-06A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L2460266-06C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Serial_No:10232413:29
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2460266
Report Date: 10/23/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2460266 230CT24
AKRF - M - 2

	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1		Date Rec'd in Lab <i>10/17/24</i>				
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <i>QUEENS Animal Shelter</i> Project Location: <i>19-06 Flushing Avenue</i> Project # <i>180291</i> (Use Project name as Project #) ☐ Project Manager: <i>Patrick Higgins</i> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other _____		Billing Information ☐ Same as Client Info PO # _____	
Client Information Client: <i>AKRF</i> Address: <i>440 Park Ave S</i> Phone: _____ Fax: _____ Email: <i>J.Higgins@AKRF.com</i>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other _____ ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: _____		Other project specific requirements/comments: <i>AKRF Equis, CATB, Close SDG</i> Please specify Metals or TAL. _____			
These samples have been previously analyzed by Alpha ☐		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments		Total Bottles			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix Sampler's Initials		ANALYSIS Table Header	
<i>60266-01</i>		<i>MW-05B-20241016</i>		<i>10/16/24 1320</i>		<i>GW MB</i>		<i>X</i>	
<i>-02</i>		<i>MW-06B-20241016</i>		<i>1640</i>		<i>MB</i>		<i>X</i>	
<i>-03</i>		<i>MW-08B-20241016</i>		<i>1420</i>		<i>MB</i>		<i>X</i>	
<i>-04</i>		<i>MW-0X-20241016</i>		<i>1230</i>		<i>MB</i>		<i>X</i>	
<i>-05</i>		<i>FAW FB-20241016</i>		<i>1645</i>		<i>MB</i>		<i>X</i>	
<i>-06</i>		<i>TB-20241016</i>		<i>-</i>		<i>W</i>		<i>-</i>	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <i>Vial</i> Preservative <i>HCl</i>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved, BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <i>Mike Bates</i> <i>Anthony Green</i>		Date/Time: <i>10/16/24 1645</i> <i>10/16/24 2000</i> <i>10/17/24 0105</i> <i>10/17/24 0105</i>		Received By: <i>Anthony Green</i> <i>Page</i>		Date/Time: <i>10/16 1645</i> <i>OCT 16 2024 2000</i> <i>10/17/24 0105</i>	

November 8, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2460266

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. L2460266 has been completed. The following samples were reported:

MW-05B_20241016	MW-06B_20241016
MW-08B_20241016	MW-0X_20241016
FB_20241016	TB_20241016

Analyses were performed in accordance with USEPA Method 8260D (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The results for 1,1-dichloroethene and carbon disulfide in all samples are qualified as estimated (UJ) due to high percent difference (%D) in the second source initial calibration verification (ICV) standard.
- The results for dichlorodifluoromethane, bromomethane, chloroethane, trichlorofluoromethane, ethyl ether, methyl tert-butyl ether, 2-hexanone, 1,2,3-trichloropropane and trans-1,4-dichloro-2-butene in all samples are qualified as estimated (J-, UJ) due to low response in the continuing calibration verification (CCV) standard.
- The results for trichlorofluoromethane, bromomethane, chloroethane and ethyl ether in all samples are qualified as estimated (UJ) due to low recovery in the laboratory control sample (LCS) and LCS duplicate (LCSD).
- The results for trichlorofluoromethane, bromomethane, chloroethane, 1,2,3-trichloropropane, 2-hexanone, naphthalene, ethyl ether and trans-1,4-dichloro-2-butene in MW-08B_20241016 are qualified as estimated (UJ) due to low recovery in the matrix spike (MS) and/or MS duplicate (MSD).

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included in Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists

- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Clean Canister Certification
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of October 16, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$) with the exceptions noted below:

Analyte	%D	Associated Sample	Qualifier Applied
<i>VOA101 ICV 9/12/2024 5:47</i>			
1,1-Dichloroethene	77.2	All	UJ
Carbon disulfide	21.7		

The results for 1,1-dichloroethene and carbon disulfide in all samples are qualified as estimated (UJ) due unacceptable %D in the ICV.

One CCV was analyzed in support of sample analysis. All percent differences (%Ds) are acceptable ($\leq 20\%$) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>VOA101 CCV 10/2/2024 07:51</i>			
Dichlorodifluoromethane	23	All	J-, UJ
Bromomethane	84		
Chloroethane	49.6		
Trichlorofluoromethane	56.7		
Ethyl ether	59.5		
Methyl tert-butyl ether	26.1		
2-Hexanone	20.8		
1,2,3-Trichloropropane	23.3		
trans-1,4-Dichloro-2-butene	22.7		

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for dichlorodifluoromethane, bromomethane, chloroethane, trichlorofluoromethane, ethyl ether, methyl tert-butyl ether, 2-hexanone, 1,2,3-trichloropropane and trans-1,4-dichloro-2-butene in all samples are qualified as estimated (J-, UJ) due to low response in the CCV.

Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

One LCS/LCSD pair was analyzed in support of sample analysis. The LCS/LCSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>WG1988048-3&4</i>				
Trichlorofluoromethane	43	42	a	All
Bromomethane	16	18	a	
Chloroethane	50	47	a	

Ethyl ether	40	40	a	

a=acceptable

The results for trichlorofluoromethane, bromomethane, chloroethane and ethyl ether in all samples are qualified as estimated (UJ) due to low recovery in the LCS and LCSD.

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-08B_20241016. The MS/MSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Trichlorofluoromethane	42	42	a
Bromomethane	11	15	a
Chloroethane	49	51	a
1,2,3-Trichloropropane	63	63	a
2-Hexanone	68	a	a
Naphthalene	63	a	a
Ethyl ether	38	40	a
trans-1,4-Dichloro-2-butene	61	65	a

a=acceptable

The results for trichlorofluoromethane, bromomethane, chloroethane, 1,2,3-trichloropropane, 2-hexanone, naphthalene, ethyl ether and trans-1,4-dichloro-2-butene in MW-08B_20241016 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD.

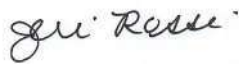
Field Duplicates

MW-0X_20241016 was submitted as a field duplicate of MW-05B_20241016. Precision between paired samples is acceptable (RPD ≤ 30) as presented below.

Analyte	MW-05B_20241016 ($\mu\text{g/L}$)	MW-0X_20241016 ($\mu\text{g/L}$)	RPD
tert-Butyl methyl ether (MTBE)	8.4	6.2	30

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjერიrossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeri Rossi".

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2460266
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1988048-3 Analysis Date : 10/22/24 07:51 File ID : V01241022A01
 LCSD Sample ID : WG1988048-4 Analysis Date : 10/22/24 08:18 File ID : V01241022A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	9.4	94	10	9.2	92	2	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	8.9	89	10	8.9	89	0	70-130	20
Carbon tetrachloride	10	9.5	95	10	9.3	93	2	63-132	20
1,2-Dichloropropane	10	10	100	10	9.8	98	2	70-130	20
Dibromochloromethane	10	9.6	96	10	9.7	97	1	63-130	20
1,1,2-Trichloroethane	10	9.2	92	10	9.3	93	1	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	9.5	95	10	9.3	93	2	75-130	20
Trichlorofluoromethane	10	4.3	43 Q	10	4.2	42 Q	2	62-150	20
1,2-Dichloroethane	10	9.2	92	10	9.0	90	2	70-130	20
1,1,1-Trichloroethane	10	9.2	92	10	9.1	91	1	67-130	20
Bromodichloromethane	10	9.1	91	10	8.8	88	3	67-130	20
trans-1,3-Dichloropropene	10	9.4	94	10	9.3	93	1	70-130	20
cis-1,3-Dichloropropene	10	9.1	91	10	8.8	88	3	70-130	20
1,1-Dichloropropene	10	9.4	94	10	9.2	92	2	70-130	20
Bromoform	10	8.5	85	10	8.7	87	2	54-136	20
1,1,2,2-Tetrachloroethane	10	8.6	86	10	8.6	86	0	67-130	20
Benzene	10	9.4	94	10	9.2	92	2	70-130	20
Toluene	10	9.4	94	10	9.2	92	2	70-130	20
Ethylbenzene	10	9.2	92	10	9.0	90	2	70-130	20
Chloromethane	10	8.4	84	10	8.3	83	1	64-130	20
Bromomethane	10	1.6	16 Q	10	1.8	18 Q	12	39-139	20
Vinyl chloride	10	7.8	78	10	7.6	76	3	55-140	20
Chloroethane	10	5.0	50 Q	10	4.7	47 Q	6	55-138	20
1,1-Dichloroethene	10	9.6	96	10	9.2	92	4	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2460266
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1988048-3 Analysis Date : 10/22/24 07:51 File ID : V01241022A01
 LCSD Sample ID : WG1988048-4 Analysis Date : 10/22/24 08:18 File ID : V01241022A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
n-Butylbenzene	10	8.9	89	10	8.7	87	2	53-136	20
sec-Butylbenzene	10	8.7	87	10	8.6	86	1	70-130	20
tert-Butylbenzene	10	8.8	88	10	8.6	86	2	70-130	20
o-Chlorotoluene	10	8.9	89	10	8.8	88	1	70-130	20
p-Chlorotoluene	10	9.0	90	10	8.7	87	3	70-130	20
1,2-Dibromo-3-chloropropane	10	8.8	88	10	9.2	92	4	41-144	20
Hexachlorobutadiene	10	12	120	10	12	120	0	63-130	20
Isopropylbenzene	10	8.7	87	10	8.6	86	1	70-130	20
p-Isopropyltoluene	10	8.9	89	10	8.6	86	3	70-130	20
Naphthalene	10	8.2	82	10	8.3	83	1	70-130	20
n-Propylbenzene	10	8.6	86	10	8.5	85	1	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	10	8.6	86	10	8.4	84	2	64-130	20
1,2,4-Trimethylbenzene	10	8.7	87	10	8.5	85	2	70-130	20
1,4-Dioxane	500	490	98	500	440	88	11	56-162	20
p-Diethylbenzene	10	9.0	90	10	8.8	88	2	70-130	20
p-Ethyltoluene	10	8.9	89	10	8.6	86	3	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.9	89	10	8.5	85	5	70-130	20
Ethyl ether	10	4.0	40 Q	10	4.0	40 Q	0	59-134	20
trans-1,4-Dichloro-2-butene	10	7.7	77	10	7.9	79	3	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Client Sample ID : MW-08B_20241016
 Lab Sample ID : L2460266-03
 Matrix Spike : WG1988048-6
 Matrix Spike Dup : WG1988048-7

Lab Number : L2460266
 Project Number : 180291
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/22/24 17:26
 MS Analysis Date : 10/22/24 18:45
 MSD Analysis Date : 10/22/24 19:11

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	9.1	91	10	9.3	93	2	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
Chloroform	ND	10	8.9	89	10	9.2	92	3	70-130	20
Carbon tetrachloride	ND	10	9.0	90	10	9.2	92	2	63-132	20
1,2-Dichloropropane	ND	10	9.7	97	10	9.9	99	2	70-130	20
Dibromochloromethane	ND	10	9.0	90	10	9.3	93	3	63-130	20
1,1,2-Trichloroethane	ND	10	8.8	88	10	9.0	90	2	70-130	20
Tetrachloroethene	ND	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	ND	10	8.9	89	10	9.2	92	3	75-130	20
Trichlorofluoromethane	ND	10	4.2	42 Q	10	4.2	42 Q	0	62-150	20
1,2-Dichloroethane	ND	10	8.7	87	10	9.0	90	3	70-130	20
1,1,1-Trichloroethane	ND	10	8.9	89	10	9.1	91	2	67-130	20
Bromodichloromethane	ND	10	8.7	87	10	8.9	89	2	67-130	20
trans-1,3-Dichloropropene	ND	10	8.4	84	10	8.6	86	2	70-130	20
cis-1,3-Dichloropropene	ND	10	8.1	81	10	8.1	81	0	70-130	20
1,1-Dichloropropene	ND	10	8.7	87	10	8.9	89	2	70-130	20
Bromoform	ND	10	7.7	77	10	8.0	80	4	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	7.9	79	10	8.1	81	2	67-130	20
Benzene	ND	10	9.1	91	10	9.4	94	3	70-130	20
Toluene	ND	10	8.9	89	10	9.2	92	3	70-130	20
Ethylbenzene	ND	10	8.6	86	10	8.8	88	2	70-130	20
Chloromethane	ND	10	7.6	76	10	8.1	81	6	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Client Sample ID : MW-08B_20241016
 Lab Sample ID : L2460266-03
 Matrix Spike : WG1988048-6
 Matrix Spike Dup : WG1988048-7

Lab Number : L2460266
 Project Number : 180291
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/22/24 17:26
 MS Analysis Date : 10/22/24 18:45
 MSD Analysis Date : 10/22/24 19:11

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit			
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R						
Bromomethane	ND	10	1.1J	11	Q	10	1.5J	15	Q	31	Q	39-139	20
Vinyl chloride	ND	10	7.3	73		10	7.6	76		4		55-140	20
Chloroethane	ND	10	4.9	49	Q	10	5.1	51	Q	4		55-138	20
1,1-Dichloroethene	ND	10	9.3	93		10	9.6	96		3		61-145	20
trans-1,2-Dichloroethene	ND	10	9.5	95		10	9.8	98		3		70-130	20
Trichloroethene	ND	10	9.0	90		10	9.2	92		2		70-130	20
1,2-Dichlorobenzene	ND	10	8.2	82		10	8.5	85		4		70-130	20
1,3-Dichlorobenzene	ND	10	8.2	82		10	8.4	84		2		70-130	20
1,4-Dichlorobenzene	ND	10	8.1	81		10	8.3	83		2		70-130	20
Methyl tert butyl ether	0.30J	10	7.0	70		10	7.4	74		6		63-130	20
p/m-Xylene	ND	20	16	80		20	17	85		6		70-130	20
o-Xylene	ND	20	16	80		20	17	85		6		70-130	20
cis-1,2-Dichloroethene	ND	10	9.1	91		10	9.4	94		3		70-130	20
Dibromomethane	ND	10	8.1	81		10	8.3	83		2		70-130	20
1,2,3-Trichloropropane	ND	10	6.3	63	Q	10	6.6	66		5		64-130	20
Acrylonitrile	ND	10	8.1	81		10	8.6	86		6		70-130	20
Styrene	ND	20	16	80		20	15	75		6		70-130	20
Dichlorodifluoromethane	ND	10	6.8	68		10	6.8	68		0		36-147	20
Acetone	ND	10	9.4	94		10	11	110		16		58-148	20
Carbon disulfide	ND	10	9.3	93		10	9.5	95		2		51-130	20
2-Butanone	ND	10	7.6	76		10	8.4	84		10		63-138	20
Vinyl acetate	ND	10	11	110		10	9.6	96		14		70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Client Sample ID : MW-08B_20241016
 Lab Sample ID : L2460266-03
 Matrix Spike : WG1988048-6
 Matrix Spike Dup : WG1988048-7

Lab Number : L2460266
 Project Number : 180291
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/22/24 17:26
 MS Analysis Date : 10/22/24 18:45
 MSD Analysis Date : 10/22/24 19:11

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	10	7.9	79	10	8.3	83	5	59-130	20
2-Hexanone	ND	10	6.8	68	10	7.3	73	7	57-130	20
Bromochloromethane	ND	10	9.2	92	10	9.5	95	3	70-130	20
2,2-Dichloropropane	ND	10	8.3	83	10	8.5	85	2	63-133	20
1,2-Dibromoethane	ND	10	8.9	89	10	9.3	93	4	70-130	20
1,3-Dichloropropane	ND	10	8.7	87	10	9.0	90	3	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91	10	9.4	94	3	64-130	20
Bromobenzene	ND	10	8.6	86	10	9.0	90	5	70-130	20
n-Butylbenzene	ND	10	7.6	76	10	7.7	77	1	53-136	20
sec-Butylbenzene	ND	10	7.6	76	10	7.7	77	1	70-130	20
tert-Butylbenzene	ND	10	7.7	77	10	7.9	79	3	70-130	20
o-Chlorotoluene	ND	10	8.0	80	10	8.3	83	4	70-130	20
p-Chlorotoluene	ND	10	8.0	80	10	8.2	82	2	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.0	80	10	8.4	84	5	41-144	20
Hexachlorobutadiene	ND	10	9.9	99	10	10	100	1	63-130	20
Isopropylbenzene	ND	10	7.8	78	10	8.0	80	3	70-130	20
p-Isopropyltoluene	ND	10	7.6	76	10	7.8	78	3	70-130	20
Naphthalene	ND	10	6.3	63 Q	10	7.2	72	13	70-130	20
n-Propylbenzene	ND	10	7.8	78	10	7.8	78	0	69-130	20
1,2,3-Trichlorobenzene	ND	10	8.2	82	10	9.2	92	11	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.3	83	10	9.1	91	9	70-130	20
1,3,5-Trimethylbenzene	ND	10	7.6	76	10	7.9	79	4	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client	: AKRF, Inc.	Lab Number	: L2460266
Project Name	: QUEENS ANIMAL SHELTER	Project Number	: 180291
Client Sample ID	: MW-08B_20241016	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2460266-03	Analysis Date	: 10/22/24 17:26
Matrix Spike	: WG1988048-6	MS Analysis Date	: 10/22/24 18:45
Matrix Spike Dup	: WG1988048-7	MSD Analysis Date	: 10/22/24 19:11

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
1,2,4-Trimethylbenzene	ND	10	7.8	78	10	7.7	77	1	70-130	20
1,4-Dioxane	ND	500	360	72	500	400	80	11	56-162	20
p-Diethylbenzene	ND	10	7.6	76	10	7.9	79	4	70-130	20
p-Ethyltoluene	ND	10	7.9	79	10	8.0	80	1	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	7.2	72	10	7.4	74	3	70-130	20
Ethyl ether	ND	10	3.8	38 Q	10	4.0	40 Q	5	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	6.1	61 Q	10	6.5	65 Q	6	70-130	20



Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\240911NICAL\
 Data File : V01240911N17.D
 Acq On : 12 Sep 2024 5:47 am
 Operator : VOA101:PID
 Sample : C8260STD10PPB
 Misc : WG1970861,ICAL
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
 Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Sep 12 12:36:16 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TP	Dichlorodifluoromethane	0.269	0.238	11.5	95	0.00
3 TP	Chloromethane	0.271	0.284	-4.8	120	0.00
4 TP	Vinyl chloride	0.355	0.352	0.8	106	0.00
5 TP	Bromomethane	0.268	0.275	-2.6	123	0.00
6 TP	Chloroethane	* 10.000	9.926	0.7	98	0.00
7 TP	Trichlorofluoromethane	0.815	0.796	2.3	101	0.00
8 TP	Ethyl ether	0.210	0.205	2.4	99	0.00
10 TP	1,1-Dichloroethene	0.219	0.388	-77.2#	182	0.00
11 TP	Carbon disulfide	0.672	0.818	-21.7#	144	0.00
12 TP	Freon-113	0.237	0.317	-33.8#	153	0.00
13 TP	Iodomethane	0.320	0.236	26.3#	86	0.00
14 TP	Acrolein	0.020	0.014	30.0#	82	0.00
15 TP	Methylene chloride	0.242	0.218	9.9	101	0.00
17 TP	Acetone	* 10.000	9.289	7.1	91	0.00
18 TP	trans-1,2-Dichloroethene	0.239	0.218	8.8	101	0.00
19 TP	Methyl acetate	0.098	0.088	10.2	103	0.00
20 TP	Methyl tert-butyl ether	0.551	0.452	18.0	89	0.00
21 TP	tert-Butyl alcohol	0.011	0.010	9.1	106	0.00
22 TP	Diisopropyl ether	0.717	0.666	7.1	99	0.00
23 TP	1,1-Dichloroethane	0.434	0.404	6.9	99	0.00
24 TP	Halothane	0.181	0.156	13.8	93	0.00
25 TP	Acrylonitrile	0.046	0.041	10.9	98	0.00
26 TP	Ethyl tert-butyl ether	0.609	0.557	8.5	99	0.00
27 TP	Vinyl acetate	0.330	0.330	0.0	110	0.00
28 TP	cis-1,2-Dichloroethene	0.267	0.242	9.4	96	0.00
29 TP	2,2-Dichloropropane	0.333	0.278	16.5	90	0.00
30 TP	Bromochloromethane	0.121	0.108	10.7	94	0.00
31 TP	Cyclohexane	0.402	0.336	16.4	94	0.00
32 TP	Chloroform	0.445	0.425	4.5	100	0.00
33 TP	Ethyl acetate	0.138	0.138	0.0	111	0.00
34 TP	Carbon tetrachloride	0.355	0.324	8.7	103	0.00
35 TP	Tetrahydrofuran	0.042	0.041	2.4	96	0.00
36 S	Dibromofluoromethane	0.262	0.253	3.4	98	0.00
37 TP	1,1,1-Trichloroethane	0.398	0.381	4.3	103	0.00
39 TP	2-Butanone	0.057	0.049	14.0	97	0.00
40 TP	1,1-Dichloropropene	0.337	0.327	3.0	103	0.00
41 TP	Benzene	0.970	0.909	6.3	99	0.00
42 TP	tert-Amyl methyl ether	0.539	0.498	7.6	99	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : VOA101
 Lab File ID : V01241022A01
 Sample No : WG1988048-2
 Channel :

Lab Number : L2460266
 Project Number : 180291
 Calibration Date : 10/22/24 07:51
 Init. Calib. Date(s) : 09/11/24 09/12/24
 Init. Calib. Times : 23:43 03:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	150	0
Dichlorodifluoromethane	0.269	0.207	-	23*	20	125	0
Chloromethane	0.271	0.227	-	16.2	20	144	0
Vinyl chloride	0.355	0.277	-	22*	20	125	0
Bromomethane	0.268	0.043	-	84*	20	29	0
Chloroethane	10	5.042	-	49.6*	20	78	0
Trichlorofluoromethane	0.815	0.353	-	56.7*	20	67	0
Ethyl ether	0.21	0.085	-	59.5*	20	61	0
1,1-Dichloroethene	0.219	0.21	-	4.1	20	148	0
Carbon disulfide	0.672	0.648	-	3.6	20	171	0
Freon-113	0.237	0.235	-	0.8	20	170	0
Acrolein	0.02	0.018	-	10	20	157	-.01
Methylene chloride	0.242	0.228	-	5.8	20	158	0
Acetone	10	8.656	-	13.4	20	129	0
trans-1,2-Dichloroethene	0.239	0.233	-	2.5	20	162	0
Methyl acetate	0.098	0.085	-	13.3	20	150	0
Methyl tert-butyl ether	0.551	0.407	-	26.1*	20	120	0
tert-Butyl alcohol	0.011	0.011	-	0	20	165	-.01
Diisopropyl ether	0.717	0.713	-	0.6	20	158	0
1,1-Dichloroethane	0.434	0.448	-	-3.2	20	166	0
Halothane	0.181	0.188	-	-3.9	20	170	0
Acrylonitrile	0.046	0.042	-	8.7	20	152	0
Ethyl tert-butyl ether	0.609	0.609	-	0	20	162	0
Vinyl acetate	0.33	0.408	-	-23.6*	20	204	0
cis-1,2-Dichloroethene	0.267	0.259	-	3	20	153	0
2,2-Dichloropropane	0.333	0.343	-	-3	20	166	0
Bromochloromethane	0.121	0.115	-	5	20	149	0
Cyclohexane	0.402	0.442	-	-10	20	186	0
Chloroform	0.445	0.396	-	11	20	141	0
Ethyl acetate	0.138	0.123	-	10.9	20	149	0
Carbon tetrachloride	0.355	0.337	-	5.1	20	160	0
Tetrahydrofuran	0.042	0.035	-	16.7	20	122	0
Dibromofluoromethane	0.262	0.267	-	-1.9	20	156	0
1,1,1-Trichloroethane	0.398	0.367	-	7.8	20	149	0
2-Butanone	0.057	0.048	-	15.8	20	142	0
1,1-Dichloropropene	0.337	0.318	-	5.6	20	150	0
Benzene	0.97	0.907	-	6.5	20	148	0
tert-Amyl methyl ether	0.539	0.447	-	17.1	20	133	0
1,2-Dichloroethane-d4	0.301	0.271	-	10	20	139	0
1,2-Dichloroethane	0.29	0.268	-	7.6	20	142	0
Methyl cyclohexane	0.428	0.399	-	6.8	20	167	0
Trichloroethene	0.274	0.256	-	6.6	20	150	0
Dibromomethane	0.133	0.115	-	13.5	20	135	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : VOA101
 Lab File ID : V01241022A01
 Sample No : WG1988048-2
 Channel :

Lab Number : L2460266
 Project Number : 180291
 Calibration Date : 10/22/24 07:51
 Init. Calib. Date(s) : 09/11/24 09/12/24
 Init. Calib. Times : 23:43 03:37

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.237	0.237	-	0	20	154	0
Bromodichloromethane	0.323	0.295*	-	8.7	20	141	0
1,4-Dioxane	0.00133	0.00131*	-	1.5	20	154	0
cis-1,3-Dichloropropene	0.353	0.321	-	9.1	20	144	0
Chlorobenzene-d5	1	1	-	0	20	148	0
Toluene-d8	1.199	1.249	-	-4.2	20	149	0
Toluene	0.801	0.754	-	5.9	20	149	0
4-Methyl-2-pentanone	0.056	0.053	-	5.4	20	152	0
Tetrachloroethene	0.324	0.35	-	-8	20	168	0
trans-1,3-Dichloropropene	0.359	0.337	-	6.1	20	141	0
Ethyl methacrylate	0.278	0.196	-	29.5*	20	112	0
1,1,2-Trichloroethane	0.184	0.171*	-	7.1	20	136	0
Chlorodibromomethane	0.266	0.257	-	3.4	20	145	0
1,3-Dichloropropane	0.372	0.348	-	6.5	20	135	0
1,2-Dibromoethane	0.206	0.201	-	2.4	20	143	0
2-Hexanone	0.101	0.08	-	20.8*	20	126	0
Chlorobenzene	0.89	0.848	-	4.7	20	150	0
Ethylbenzene	1.596	1.462	-	8.4	20	146	0
1,1,1,2-Tetrachloroethane	0.303	0.296	-	2.3	20	149	0
p/m Xylene	0.653	0.573	-	12.3	20	147	0
o Xylene	0.622	0.536	-	13.8	20	144	0
Styrene	20	17.313	-	13.4	20	146	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	158	0
Bromoform	10	8.549	-	14.5	20	157	0
Isopropylbenzene	3.007	2.62	-	12.9	20	148	0
4-Bromofluorobenzene	0.848	0.872	-	-2.8	20	156	0
Bromobenzene	0.666	0.627	-	5.9	20	154	0
n-Propylbenzene	3.574	3.095	-	13.4	20	147	0
1,4-Dichlorobutane	0.699	0.588	-	15.9	20	138	0
1,1,2,2-Tetrachloroethane	0.473	0.405	-	14.4	20	135	0
4-Ethyltoluene	2.844	2.523	-	11.3	20	151	0
2-Chlorotoluene	1.99	1.773	-	10.9	20	146	0
1,3,5-Trimethylbenzene	2.471	2.127	-	13.9	20	147	0
1,2,3-Trichloropropane	0.408	0.313	-	23.3*	20	131	0
trans-1,4-Dichloro-2-buten	0.128	0.099	-	22.7*	20	123	0
4-Chlorotoluene	1.996	1.797	-	10	20	145	0
tert-Butylbenzene	2.044	1.8	-	11.9	20	149	0
1,2,4-Trimethylbenzene	2.356	2.053	-	12.9	20	146	0
sec-Butylbenzene	3.02	2.64	-	12.6	20	150	0
p-Isopropyltoluene	2.479	2.2	-	11.3	20	154	0
1,3-Dichlorobenzene	1.293	1.178	-	8.9	20	151	0
1,4-Dichlorobenzene	1.317	1.189	-	9.7	20	152	0
p-Diethylbenzene	1.355	1.225	-	9.6	20	156	0

* Value outside of QC limits.



February 13, 2025

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Pace Analytical Services – L2504302

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Pace Analytical Services for four water samples, one field blank and one trip blank from the Queens Animal Shelter site, which were reported in a single data package under Job No. L2504302 has been completed. The following samples were reported:

MW-05B_20250124
MW-0X_20250124

MW-06B_20250124
FB-01_20250124

MW-08B_20250124
TB-01_20250124

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The percent differences represent a decrease in instrument sensitivity. The results for bromomethane and vinyl acetate in MW-05B_20250124 are qualified as estimated (UJ) due unacceptable %D in the ICV.
- The results for methyl-tert butyl ether, 2,2-dichloropropane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, trans-1,4-dichloro-2-butene and 1,2-dibromo-3-chloropropane in MW-05B_20250124 are qualified as estimated (J-, UJ) due to low response in the CCV.
- The result for bromomethane in MW-06B_20250124, MW-08B_20250124 and MW-0X_20250124 is qualified as estimated (UJ) due to low recovery in the LCSD.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks

- Trip Blanks
- Surrogate recoveries
- LCS/LCSD recoveries
- MS/MSD recoveries
- Internal standards
- Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of January 24, 2025. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

Calibration

Two initial calibrations (ICs) were performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$) with the exceptions noted below:

Analyte	%D	Associated Sample	Qualifier Applied
<i>ICV GONZO 12/20/2024</i>			
Bromomethane	76.4	MW-05B_20250124	UJ
Vinyl acetate	56.5		

The percent differences represent a decrease in instrument sensitivity. The results for bromomethane and vinyl acetate in MW-05B_20250124 are qualified as estimated (UJ) due to unacceptable %D in the ICV.

Three CCVs were analyzed in support of sample analysis. All percent differences (%Ds) are acceptable ($\leq 20\%D$) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>GONZO 01/29/25 08:52</i>			
Methyl-tert butyl ether	20.8	MW-05B_20250124	J-, UJ
2,2-Dichloropropane	23.2		
2-Butanone	25.2		
4-Methyl-2-pentanone	21		
2-Hexanone	28.1		
trans-1,4-Dichloro-2-butene	21.4		
1,2-Dibromo-3-chloropropane	26.4		

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for methyl-tert butyl ether, 2,2-dichloropropane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, trans-1,4-dichloro-2-butene and 1,2-dibromo-3-chloropropane in MW-05B_20250124 are qualified as estimated (J-, UJ) due to low response in the CCV.

Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

Two LCS/LCSDs pair were analyzed in support of sample analysis. The LCS/LCSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>LCS WG2024808-3&4</i>				
Bromomethane	a	61	a	MW-06B_20250124 MW-08B_20250124 MW-0X_20250124

a=acceptable

The result for bromomethane in MW-06B_20250124, MW-08B_20250124 and MW-0X_20250124 is qualified as estimated (UJ) due to low recovery in the LCSD.

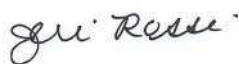
Field Duplicates

MW-0X_20250124 was submitted as a field duplicate of MW-08B_20250124. Precision between paired samples is acceptable (RPD ≤ 30) as presented below.

Analyte	MW-08B_20250124 (µg/L)	MW-0X_20250124 (µg/L)	RPD
Methyl-tert butyl ether	22	22	0

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjერიrossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

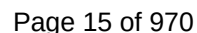
Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2504302
 Project Name : QUEENS ANIMAL SHELTER Project Number : 180291
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2024808-3 Analysis Date : 01/29/25 06:45 File ID : V22250129A01
 LCSD Sample ID : WG2024808-4 Analysis Date : 01/29/25 07:10 File ID : V22250129A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	12	120	10	10	100	18	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	12	120	10	11	110	9	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	9.9	99	10	9.4	94	5	63-130	20
1,1,2-Trichloroethane	10	10	100	10	9.6	96	4	70-130	20
Tetrachloroethene	10	10	100	10	9.6	96	4	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	12	120	10	11	110	9	62-150	20
1,2-Dichloroethane	10	12	120	10	10	100	18	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	11	110	10	10	100	10	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	9.7	97	3	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	10	100	10	70-130	20
1,1-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	9.4	94	10	8.9	89	5	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	10	100	0	67-130	20
Benzene	10	12	120	10	10	100	18	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	13	130	10	11	110	17	64-130	20
Bromomethane	10	7.1	71	10	6.1	61	15	39-139	20
Vinyl chloride	10	13	130	10	12	120	8	55-140	20
Chloroethane	10	13	130	10	12	120	8	55-138	20
1,1-Dichloroethene	10	12	120	10	10	100	18	61-145	20



Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241220\
 Data File : VG241220A18.D
 Acq On : 20 Dec 2024 11:36 am
 Operator : GONZO:PID
 Sample : c8260std10ppb
 Misc : WG2012126,ICAL (Sig #1); WG,ICAL21571 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 21 05:34:41 2024
 Quant Method : K:\Gonzo\2024\241220\G_241220A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Sat Dec 21 05:35:12 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2 TP	Dichlorodifluoromethane	0.265	0.333	-25.7#	110	0.00
3 TP	Chloromethane	0.267	0.333	-24.7#	124	0.00
4 TP	Vinyl chloride	0.263	0.331	-25.9#	108	0.00
5 TP	Bromomethane	0.106	0.187	-76.4#	168	0.00
6 TP	Chloroethane	0.133	0.148	-11.3	99	0.00
7 TP	Trichlorofluoromethane	0.339	0.411	-21.2#	103	0.00
8 TP	Ethyl ether	0.128	0.153	-19.5	113	0.00
10 TP	1,1-Dichloroethene	0.203	0.209	-3.0	94	0.00
11 TP	Carbon disulfide	0.595	0.641	-7.7	101	0.00
12 TP	Freon-113	0.199	0.228	-14.6	100	0.00
13 TP	Iodomethane	0.341	0.315	7.6	97	0.00
14 TP	Acrolein	0.042	0.041	2.4	102	0.00
15 TP	Methylene chloride	0.262	0.278	-6.1	99	0.00
17 TP	Acetone	0.073	0.078	-6.8	100	0.00
18 TP	trans-1,2-Dichloroethene	0.218	0.240	-10.1	100	0.00
19 TP	Methyl acetate	0.151	0.170	-12.6	110	0.00
20 TP	Methyl tert-butyl ether	0.692	0.708	-2.3	97	0.00
21 TP	tert-Butyl alcohol	0.026	0.027	-3.8	102	0.00
22 TP	Diisopropyl ether	0.880	0.940	-6.8	96	0.00
23 TP	1,1-Dichloroethane	0.421	0.482	-14.5	102	0.00
24 TP	Halothane	0.177	0.197	-11.3	102	0.00
25 TP	Acrylonitrile	0.075	0.077	-2.7	105	0.00
26 TP	Ethyl tert-butyl ether	0.813	0.872	-7.3	99	0.00
27 TP	Vinyl acetate	0.370	0.579	-56.5#	162	0.00
28 TP	cis-1,2-Dichloroethene	0.255	0.266	-4.3	100	0.00
29 TP	2,2-Dichloropropane	0.366	0.357	2.5	91	0.00
30 TP	Bromochloromethane	0.121	0.132	-9.1	103	0.00
31 TP	Cyclohexane	0.408	0.448	-9.8	95	0.00
32 TP	Chloroform	0.429	0.485	-13.1	103	0.00
33 TP	Ethyl acetate	0.245	0.263	-7.3	104	0.00
34 TP	Carbon tetrachloride	0.330	0.379	-14.8	97	0.00
35 TP	Tetrahydrofuran	0.067	0.079	-17.9	108	0.00
36 S	Dibromofluoromethane	0.261	0.292	-11.9	100	0.00
37 TP	1,1,1-Trichloroethane	0.385	0.428	-11.2	99	0.00
39 TP	2-Butanone	0.119	0.134	-12.6	112	0.00
40 TP	1,1-Dichloropropene	0.323	0.379	-17.3	102	0.00
41 TP	Benzene	1.003	1.131	-12.8	99	0.00
42 TP	tert-Amyl methyl ether	0.722	0.775	-7.3	98	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG250129A02
 Sample No : WG2025230-2
 Channel :

Lab Number : L2504302
 Project Number : 180291
 Calibration Date : 01/29/25 08:52
 Init. Calib. Date(s) : 12/20/24 12/20/24
 Init. Calib. Times : 05:32 09:34

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	107	0
Dichlorodifluoromethane	0.265	0.236	-	10.9	20	83	0
Chloromethane	0.267	0.266	-	0.4	20	105	0
Vinyl chloride	0.263	0.28	-	-6.5	20	97	0
Bromomethane	0.106	0.179	-	-68.9*	20	171	0
Chloroethane	0.133	0.238	-	-78.9*	20	168	0
Trichlorofluoromethane	0.339	0.329	-	2.9	20	88	0
Ethyl ether	0.128	0.11	-	14.1	20	87	0
1,1-Dichloroethene	0.203	0.184	-	9.4	20	88	0
Carbon disulfide	0.595	0.555	-	6.7	20	93	0
Freon-113	0.199	0.182	-	8.5	20	84	0
Acrolein	0.042	0.032	-	23.8*	20	85	0
Methylene chloride	0.262	0.22	-	16	20	83	0
Acetone	0.073	0.047	-	35.6*	20	64	0
trans-1,2-Dichloroethene	0.218	0.196	-	10.1	20	86	0
Methyl acetate	0.151	0.111	-	26.5*	20	76	0
Methyl tert-butyl ether	0.692	0.548	-	20.8*	20	80	0
tert-Butyl alcohol	0.026	0.019	-	26.9*	20	76	0
Diisopropyl ether	0.88	0.736	-	16.4	20	80	0
1,1-Dichloroethane	0.421	0.403	-	4.3	20	90	0
Halothane	0.177	0.154	-	13	20	85	0
Acrylonitrile	0.075	0.067	-	10.7	20	98	0
Ethyl tert-butyl ether	0.813	0.662	-	18.6	20	80	0
Vinyl acetate	0.37	0.502	-	-35.7*	20	149	0
cis-1,2-Dichloroethene	0.255	0.231	-	9.4	20	92	0
2,2-Dichloropropane	0.366	0.281	-	23.2*	20	76	0
Bromochloromethane	0.121	0.107	-	11.6	20	89	0
Cyclohexane	0.408	0.359	-	12	20	81	0
Chloroform	0.429	0.397	-	7.5	20	90	0
Ethyl acetate	0.245	0.201	-	18	20	84	0
Carbon tetrachloride	0.33	0.275	-	16.7	20	75	0
Tetrahydrofuran	0.067	0.06	-	10.4	20	88	0
Dibromofluoromethane	0.261	0.28	-	-7.3	20	102	0
1,1,1-Trichloroethane	0.385	0.331	-	14	20	81	0
2-Butanone	0.119	0.089	-	25.2*	20	79	0
1,1-Dichloropropene	0.323	0.274	-	15.2	20	78	0
Benzene	1.003	0.875	-	12.8	20	81	0
tert-Amyl methyl ether	0.722	0.553	-	23.4*	20	74	0
1,2-Dichloroethane-d4	0.303	0.329	-	-8.6	20	105	0
1,2-Dichloroethane	0.319	0.288	-	9.7	20	92	0
Methyl cyclohexane	0.341	0.286	-	16.1	20	79	0
Trichloroethene	0.256	0.21	-	18	20	84	0
Dibromomethane	0.162	0.136	-	16	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : QUEENS ANIMAL SHELTER
 Instrument ID : GONZO
 Lab File ID : VG250129A02
 Sample No : WG2025230-2
 Channel :

Lab Number : L2504302
 Project Number : 180291
 Calibration Date : 01/29/25 08:52
 Init. Calib. Date(s) : 12/20/24 12/20/24
 Init. Calib. Times : 05:32 09:34

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.235	-	5.2	20	90	0
Bromodichloromethane	0.351	0.316	-	10	20	88	0
1,4-Dioxane	0.00243	0.00217*	-	10.7	20	90	0
cis-1,3-Dichloropropene	0.424	0.341	-	19.6	20	76	0
Chlorobenzene-d5	1	1	-	0	20	99	0
Toluene-d8	1.34	1.359	-	-1.4	20	100	0
Toluene	0.718	0.657	-	8.5	20	86	0
4-Methyl-2-pentanone	0.105	0.083	-	21*	20	78	0
Tetrachloroethene	0.313	0.271	-	13.4	20	79	0
trans-1,3-Dichloropropene	0.446	0.372	-	16.6	20	80	0
Ethyl methacrylate	0.356	0.288	-	19.1	20	77	0
1,1,2-Trichloroethane	0.228	0.203	-	11	20	90	0
Chlorodibromomethane	0.324	0.282	-	13	20	84	0
1,3-Dichloropropane	0.448	0.409	-	8.7	20	85	0
1,2-Dibromoethane	0.272	0.231	-	15.1	20	81	0
2-Hexanone	0.196	0.141	-	28.1*	20	67	0
Chlorobenzene	0.789	0.757	-	4.1	20	91	0
Ethylbenzene	1.379	1.269	-	8	20	88	0
1,1,1,2-Tetrachloroethane	0.285	0.254	-	10.9	20	91	0
p/m Xylene	0.518	0.482	-	6.9	20	88	0
o Xylene	0.519	0.482	-	7.1	20	85	0
Styrene	0.856	0.816	-	4.7	20	88	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Bromoform	0.391	0.325	-	16.9	20	88	0
Isopropylbenzene	2.345	1.972	-	15.9	20	81	0
4-Bromofluorobenzene	0.863	0.801	-	7.2	20	102	0
Bromobenzene	0.638	0.541	-	15.2	20	88	0
n-Propylbenzene	2.583	2.212	-	14.4	20	86	0
1,4-Dichlorobutane	0.795	0.696	-	12.5	20	92	0
1,1,2,2-Tetrachloroethane	0.564	0.511	-	9.4	20	103	0
4-Ethyltoluene	2.121	1.819	-	14.2	20	93	0
2-Chlorotoluene	1.644	1.414	-	14	20	93	0
1,3,5-Trimethylbenzene	1.93	1.611	-	16.5	20	86	0
1,2,3-Trichloropropane	0.462	0.417	-	9.7	20	97	0
trans-1,4-Dichloro-2-buten	0.187	0.147	-	21.4*	20	86	0
4-Chlorotoluene	1.706	1.536	-	10	20	90	0
tert-Butylbenzene	1.58	1.352	-	14.4	20	82	0
1,2,4-Trimethylbenzene	1.93	1.69	-	12.4	20	85	0
sec-Butylbenzene	2.196	1.94	-	11.7	20	85	0
p-Isopropyltoluene	1.913	1.689	-	11.7	20	84	0
1,3-Dichlorobenzene	1.119	1.045	-	6.6	20	90	0
1,4-Dichlorobenzene	1.127	1.069	-	5.1	20	95	0
p-Diethylbenzene	1.108	0.971	-	12.4	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
Project Name : QUEENS ANIMAL SHELTER
Instrument ID : GONZO
Lab File ID : VG250129A02
Sample No : WG2025230-2
Channel :

Lab Number : L2504302
Project Number : 180291
Calibration Date : 01/29/25 08:52
Init. Calib. Date(s) : 12/20/24 12/20/24
Init. Calib. Times : 05:32 09:34

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.481	1.421	-	4.1	20	93	0
1,2-Dichlorobenzene	1.094	1.011	-	7.6	20	90	0
1,2,4,5-Tetramethylbenzene	1.709	1.419	-	17	20	85	0
1,2-Dibromo-3-chloropropan	0.11	0.081	-	26.4*	20	77	0
1,3,5-Trichlorobenzene	0.753	0.69	-	8.4	20	88	0
Hexachlorobutadiene	0.259	0.21	-	18.9	20	80	0
1,2,4-Trichlorobenzene	0.645	0.572	-	11.3	20	89	0
Naphthalene	1.438	1.128	-	21.6*	20	84	0
1,2,3-Trichlorobenzene	0.545	0.459	-	15.8	20	83	0

* Value outside of QC limits.





ANALYTICAL REPORT

Lab Number:	L2504302
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	QUEENS ANIMAL SHELTER
Project Number:	180291
Report Date:	01/31/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2504302-01	MW-05B_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 16:25	01/24/25
L2504302-02	MW-06B_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 14:55	01/24/25
L2504302-03	MW-08B_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 14:30	01/24/25
L2504302-04	MW-0X_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 12:00	01/24/25
L2504302-05	FB-01_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 00:00	01/24/25
L2504302-06	TB-01_20250124	WATER	151 WOODWARD AVENUE QUEENS, NY	01/24/25 00:00	01/24/25

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

L2504302-01: The sample identified as "MW-05B_20250124" on the chain of custody was identified as "MW-03B_20250124" on the container label. At the client's request, the sample is reported as "MW-05B_20250124".

Volatile Organics

L2504302-05: The Field Blank has a result for acrylonitrile present above the reporting limit. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 01/31/25

ORGANICS

VOLATILES

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-01
 Client ID: MW-05B_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 16:25
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/29/25 14:06
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-01

Date Collected: 01/24/25 16:25

Client ID: MW-05B_20250124

Date Received: 01/24/25

Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.18	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-01**Date Collected:** 01/24/25 16:25**Client ID:** MW-05B_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-02
 Client ID: MW-06B_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 14:55
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/29/25 12:32

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-02

Date Collected: 01/24/25 14:55

Client ID: MW-06B_20250124

Date Received: 01/24/25

Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	77		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-02**Date Collected:** 01/24/25 14:55**Client ID:** MW-06B_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-03
 Client ID: MW-08B_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 14:30
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/29/25 12:57
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-03

Date Collected: 01/24/25 14:30

Client ID: MW-08B_20250124

Date Received: 01/24/25

Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	22		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-03**Date Collected:** 01/24/25 14:30**Client ID:** MW-08B_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-04
 Client ID: MW-0X_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 12:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/29/25 13:22
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-04
 Client ID: MW-0X_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 12:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	22		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-04**Date Collected:** 01/24/25 12:00**Client ID:** MW-0X_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-05
 Client ID: FB-01_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 00:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/28/25 15:09
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-05
 Client ID: FB-01_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 00:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	9.7		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-05**Date Collected:** 01/24/25 00:00**Client ID:** FB-01_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-06
 Client ID: TB-01_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 00:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/28/25 15:34
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS**

Lab ID: L2504302-06
 Client ID: TB-01_20250124
 Sample Location: 151 WOODWARD AVENUE QUEENS, NY

Date Collected: 01/24/25 00:00
 Date Received: 01/24/25
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: QUEENS ANIMAL SHELTER**Lab Number:** L2504302**Project Number:** 180291**Report Date:** 01/31/25**SAMPLE RESULTS****Lab ID:** L2504302-06**Date Collected:** 01/24/25 00:00**Client ID:** TB-01_20250124**Date Received:** 01/24/25**Sample Location:** 151 WOODWARD AVENUE QUEENS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/28/25 08:12
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG2024313-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 01/28/25 08:12

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG2024313-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/28/25 08:12
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG2024313-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 08:24
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2024808-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 08:24
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2024808-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 08:24
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG2024808-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 10:04
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2025230-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18



Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 10:04
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2025230-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/29/25 10:04
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2025230-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG2024313-3 WG2024313-4								
Methylene chloride	100		98		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	93		96		70-130	3		20
Tetrachloroethene	95		93		70-130	2		20
Chlorobenzene	99		97		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		99		67-130	1		20
trans-1,3-Dichloropropene	95		96		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	86		87		54-136	1		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	96		96		70-130	0		20
Ethylbenzene	99		97		70-130	2		20
Chloromethane	110		110		64-130	0		20
Bromomethane	91		83		39-139	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG2024313-3 WG2024313-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	96		100		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	100		110		70-130	10		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	98		100		58-148	2		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	90		99		63-138	10		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	82		91		59-130	10		20
2-Hexanone	91		94		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG2024313-3 WG2024313-4								
Bromochloromethane	100		99		70-130	1		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	93		95		70-130	2		20
1,3-Dichloropropane	96		99		70-130	3		20
1,1,1,2-Tetrachloroethane	93		93		64-130	0		20
Bromobenzene	99		98		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	100		96		70-130	4		20
o-Chlorotoluene	97		95		70-130	2		20
p-Chlorotoluene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	80		84		41-144	5		20
Hexachlorobutadiene	100		97		63-130	3		20
Isopropylbenzene	100		97		70-130	3		20
p-Isopropyltoluene	100		99		70-130	1		20
Naphthalene	99		100		70-130	1		20
n-Propylbenzene	100		98		69-130	2		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		99		70-130	1		20
1,3,5-Trimethylbenzene	100		98		64-130	2		20
1,2,4-Trimethylbenzene	92		89		70-130	3		20
1,4-Dioxane	98		104		56-162	6		20
p-Diethylbenzene	100		98		70-130	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG2024313-3 WG2024313-4								
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		20
Ethyl ether	100		99		59-134	1		20
trans-1,4-Dichloro-2-butene	96		100		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2024808-3 WG2024808-4								
Methylene chloride	120		100		70-130	18		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	99		94		63-130	5		20
1,1,2-Trichloroethane	100		96		70-130	4		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	120		100		70-130	18		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	100		97		70-130	3		20
cis-1,3-Dichloropropene	110		100		70-130	10		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	94		89		54-136	5		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	120		100		70-130	18		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	130		110		64-130	17		20
Bromomethane	71		61		39-139	15		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2024808-3 WG2024808-4								
Vinyl chloride	130		120		55-140	8		20
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	120		100		61-145	18		20
trans-1,2-Dichloroethene	120		110		70-130	9		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	100		98		63-130	2		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	120		100		70-130	18		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	120		110		70-130	9		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	110		100		58-148	10		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	100		93		63-138	7		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	90		88		59-130	2		20
2-Hexanone	88		92		57-130	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2024808-3 WG2024808-4								
Bromochloromethane	120		100		70-130	18		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	100		95		70-130	5		20
1,3-Dichloropropane	100		98		70-130	2		20
1,1,1,2-Tetrachloroethane	100		96		64-130	4		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	110		100		70-130	10		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	99		94		70-130	5		20
1,4-Dioxane	124		108		56-162	14		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG2024808-3 WG2024808-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	110		100		59-134	10		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		107		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	107		101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2025230-3 WG2025230-4								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	96		96		70-130	0		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	83		85		63-132	2		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	87		86		63-130	1		20
1,1,2-Trichloroethane	89		90		70-130	1		20
Tetrachloroethene	87		87		70-130	0		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	97		94		62-150	3		20
1,2-Dichloroethane	90		91		70-130	1		20
1,1,1-Trichloroethane	86		88		67-130	2		20
Bromodichloromethane	90		88		67-130	2		20
trans-1,3-Dichloropropene	83		83		70-130	0		20
cis-1,3-Dichloropropene	80		82		70-130	2		20
1,1-Dichloropropene	85		83		70-130	2		20
Bromoform	83		81		54-136	2		20
1,1,2,2-Tetrachloroethane	90		88		67-130	2		20
Benzene	87		86		70-130	1		20
Toluene	92		93		70-130	1		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	99		98		64-130	1		20
Bromomethane	170	Q	170	Q	39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2025230-3 WG2025230-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	180	Q	180	Q	55-138	0		20
1,1-Dichloroethene	91		88		61-145	3		20
trans-1,2-Dichloroethene	90		91		70-130	1		20
Trichloroethene	82		85		70-130	4		20
1,2-Dichlorobenzene	92		90		70-130	2		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	95		94		70-130	1		20
Methyl tert butyl ether	79		80		63-130	1		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	90		90		70-130	0		20
Dibromomethane	84		84		70-130	0		20
1,2,3-Trichloropropane	90		86		64-130	5		20
Acrylonitrile	89		90		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	89		87		36-147	2		20
Acetone	65		67		58-148	3		20
Carbon disulfide	93		94		51-130	1		20
2-Butanone	75		77		63-138	3		20
Vinyl acetate	140	Q	130		70-130	7		20
4-Methyl-2-pentanone	79		82		59-130	4		20
2-Hexanone	72		76		57-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2025230-3 WG2025230-4								
Bromochloromethane	89		87		70-130	2		20
2,2-Dichloropropane	77		75		63-133	3		20
1,2-Dibromoethane	85		87		70-130	2		20
1,3-Dichloropropane	91		92		70-130	1		20
1,1,1,2-Tetrachloroethane	89		90		64-130	1		20
Bromobenzene	85		85		70-130	0		20
n-Butylbenzene	96		92		53-136	4		20
sec-Butylbenzene	88		87		70-130	1		20
tert-Butylbenzene	86		85		70-130	1		20
o-Chlorotoluene	86		85		70-130	1		20
p-Chlorotoluene	90		91		70-130	1		20
1,2-Dibromo-3-chloropropane	74		70		41-144	6		20
Hexachlorobutadiene	81		83		63-130	2		20
Isopropylbenzene	84		83		70-130	1		20
p-Isopropyltoluene	88		87		70-130	1		20
Naphthalene	78		76		70-130	3		20
n-Propylbenzene	86		85		69-130	1		20
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	89		88		70-130	1		20
1,3,5-Trimethylbenzene	84		84		64-130	0		20
1,2,4-Trimethylbenzene	88		86		70-130	2		20
1,4-Dioxane	88		88		56-162	0		20
p-Diethylbenzene	88		84		70-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: QUEENS ANIMAL SHELTER

Lab Number: L2504302

Project Number: 180291

Report Date: 01/31/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2025230-3 WG2025230-4								
p-Ethyltoluene	86		85		70-130	1		20
1,2,4,5-Tetramethylbenzene	83		83		70-130	0		20
Ethyl ether	86		84		59-134	2		20
trans-1,4-Dichloro-2-butene	79		78		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	93		89		70-130
Dibromofluoromethane	107		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2025230-6 WG2025230-7 QC Sample: L2504302-01 Client ID: MW-05B_20250124												
Methylene chloride	ND	10	9.3	93		9.7	97		70-130	4		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	9.6	96		10	100		63-132	4		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	8.6	86		9.1	91		63-130	6		20
1,1,2-Trichloroethane	ND	10	9.2	92		9.6	96		70-130	4		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	9.9	99		10	100		70-130	1		20
1,1,1-Trichloroethane	ND	10	10	100		10	100		67-130	0		20
Bromodichloromethane	ND	10	9.2	92		9.6	96		67-130	4		20
trans-1,3-Dichloropropene	ND	10	8.4	84		8.7	87		70-130	4		20
cis-1,3-Dichloropropene	ND	10	8.1	81		8.6	86		70-130	6		20
1,1-Dichloropropene	ND	10	9.9	99		9.9	99		70-130	0		20
Bromoform	ND	10	8.0	80		8.6	86		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	8.7	87		9.4	94		67-130	8		20
Benzene	ND	10	9.8	98		10	100		70-130	2		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	15	150	Q	18	180	Q	39-139	18		20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2025230-6 WG2025230-7 QC Sample: L2504302-01 Client ID: MW-05B_20250124												
Vinyl chloride	ND	10	13	130		14	140		55-140	7		20
Chloroethane	ND	10	22	220	Q	23	230	Q	55-138	4		20
1,1-Dichloroethene	ND	10	10	100		11	110		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	9.7	97		10	100		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.0	90		9.6	96		70-130	6		20
1,3-Dichlorobenzene	ND	10	9.4	94		9.8	98		70-130	4		20
1,4-Dichlorobenzene	ND	10	9.5	95		9.9	99		70-130	4		20
Methyl tert butyl ether	0.18J	10	8.5	85		9.2	92		63-130	8		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	20	100		20	100		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	8.6	86		9.1	91		70-130	6		20
1,2,3-Trichloropropane	ND	10	8.8	88		9.4	94		64-130	7		20
Acrylonitrile	ND	10	9.1	91		9.5	95		70-130	4		20
Styrene	ND	20	18	90		19	95		70-130	5		20
Dichlorodifluoromethane	ND	10	10	100		11	110		36-147	10		20
Acetone	ND	10	8.6	86		9.2	92		58-148	7		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	7.4	74		7.4	74		63-138	0		20
Vinyl acetate	ND	10	13	130		13	130		70-130	0		20
4-Methyl-2-pentanone	ND	10	7.9	79		8.4	84		59-130	6		20
2-Hexanone	ND	10	7.5	75		7.9	79		57-130	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2025230-6 WG2025230-7 QC Sample: L2504302-01 Client ID: MW-05B_20250124												
Bromochloromethane	ND	10	9.8	98		10	100		70-130	2		20
2,2-Dichloropropane	ND	10	8.0	80		8.5	85		63-133	6		20
1,2-Dibromoethane	ND	10	8.7	87		9.3	93		70-130	7		20
1,3-Dichloropropane	ND	10	9.5	95		10	100		70-130	5		20
1,1,1,2-Tetrachloroethane	ND	10	9.3	93		9.6	96		64-130	3		20
Bromobenzene	ND	10	8.7	87		9.2	92		70-130	6		20
n-Butylbenzene	ND	10	9.9	99		10	100		53-136	1		20
sec-Butylbenzene	ND	10	9.5	95		9.7	97		70-130	2		20
tert-Butylbenzene	ND	10	9.0	90		9.4	94		70-130	4		20
o-Chlorotoluene	ND	10	9.2	92		9.2	92		70-130	0		20
p-Chlorotoluene	ND	10	9.4	94		9.7	97		70-130	3		20
1,2-Dibromo-3-chloropropane	ND	10	6.6	66		7.3	73		41-144	10		20
Hexachlorobutadiene	ND	10	8.2	82		8.4	84		63-130	2		20
Isopropylbenzene	ND	10	8.9	89		9.2	92		70-130	3		20
p-Isopropyltoluene	ND	10	9.1	91		9.5	95		70-130	4		20
Naphthalene	ND	10	7.1	71		8.3	83		70-130	16		20
n-Propylbenzene	ND	10	9.5	95		9.7	97		69-130	2		20
1,2,3-Trichlorobenzene	ND	10	7.9	79		8.8	88		70-130	11		20
1,2,4-Trichlorobenzene	ND	10	8.6	86		9.1	91		70-130	6		20
1,3,5-Trimethylbenzene	ND	10	9.0	90		9.2	92		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	8.8	88		9.1	91		70-130	3		20
1,4-Dioxane	ND	500	470	94		480	96		56-162	2		20
p-Diethylbenzene	ND	10	9.0	90		9.4	94		70-130	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: QUEENS ANIMAL SHELTER

Project Number: 180291

Lab Number: L2504302

Report Date: 01/31/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2025230-6 WG2025230-7 QC Sample: L2504302-01 Client ID: MW-05B_20250124												
p-Ethyltoluene	ND	10	9.2	92		9.3	93		70-130	1		20
1,2,4,5-Tetramethylbenzene	ND	10	8.1	81		8.6	86		70-130	6		20
Ethyl ether	ND	10	9.4	94		10	100		59-134	6		20
trans-1,4-Dichloro-2-butene	ND	10	7.2	72		7.7	77		70-130	7		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	109		108		70-130
4-Bromofluorobenzene	90		92		70-130
Dibromofluoromethane	106		107		70-130
Toluene-d8	102		102		70-130

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Serial_No:01312514:17
Lab Number: L2504302
Report Date: 01/31/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2504302-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01A1	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01A2	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01B1	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01B2	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01C1	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-01C2	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-02A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-02B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-02C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-03A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-03B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-03C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-04A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-04B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-04C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-05A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-05B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-05C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-06A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L2504302-06B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Serial_No:01312514:17
Lab Number: L2504302
Report Date: 01/31/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: QUEENS ANIMAL SHELTER
Project Number: 180291

Lab Number: L2504302
Report Date: 01/31/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Published Date: 01/24/2025

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases**The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)****The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

APPENDIX E
BIOSPARGE INSPECTION LOGS

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																		
Inspector Name:		Date:																
Time IN:		Time OUT:																
GENERAL																		
Weather:	Barometric Pressure:	Equipment Room Temperature:																
Has the biosparge system being cycled on or off this month? On / Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																		
Is the biosparge compression (in enclosure) currently operating? Yes / No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																		
Any evidence of system tampering, vandalism or damage? Yes / No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																		
Comments:																		
<table><tr><th colspan="3">Emergency Contact Information</th></tr><tr><th>Name</th><th>Title</th><th>Contact Number</th></tr><tr><td>Deborah Shapiro</td><td>AKRF Project Director</td><td>646-388-9544 (office)</td></tr><tr><td rowspan="2">Patrick Diggins</td><td rowspan="2">Project Manager</td><td>914-922-2356 (office)</td></tr><tr><td>603-494-7090 (cell)</td></tr><tr><td>TBD</td><td>Owner's Representative</td><td>TBD</td></tr></table>			Emergency Contact Information			Name	Title	Contact Number	Deborah Shapiro	AKRF Project Director	646-388-9544 (office)	Patrick Diggins	Project Manager	914-922-2356 (office)	603-494-7090 (cell)	TBD	Owner's Representative	TBD
Emergency Contact Information																		
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Patrick Diggins	Project Manager	914-922-2356 (office)																
		603-494-7090 (cell)																
TBD	Owner's Representative	TBD																

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor				
SW-01			NA	
SW-02			NA	
SW-03			NA	
SW-04			NA	
SW-05			NA	
SW-06			NA	
SW-07			NA	
SW-08			NA	
SW-09			NA	
SW-10			NA	
SW-11			NA	
SW-12			NA	
SW-13			NA	
SW-14			NA	
SW-15			NA	
SW-16			NA	
SW-17			NA	
SW-18			NA	
SW-19			NA	
SW-20			NA	
SW-21			NA	
SW-22			NA	
SW-23			NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																		
Inspector Name: P. Diggins		Date: February 3, 2024																
Time IN: 830		Time OUT: 1400																
GENERAL																		
Weather: Sunny Temperature: 30 deg F Barometric Pressure: 30.6 Equipment Room Temperature: approx. 72 deg F																		
Has the biosparge system being cycled on or off this month? ☒ On / Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																		
Is the biosparge compression (in enclosure) currently operating? ☒ Yes / No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																		
Any evidence of system tampering, vandalism or damage? Yes / ☒ No (circle one) One gauge (SW-13) is broken and must be replaced. <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																		
Comments: N/A																		
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Emergency Contact Information																		
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Patrick Diggins	Project Manager	914-922-2356 (office)																
		603-494-7090 (cell)																
TBD	Owner's Representative	TBD																

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
Location	Applied Pressure	Well Air Flow Rate (SCFM)	Compressor Air Flow Reading (SCFM)	Notes
	Approx. 5 PSI	Approx. 1 to 2 SCFM	Approx. 46 SCFM	
Air Sparge Compressor	NA	NA		
SW-01	0.6	4.5	NA	
SW-02	2.1	4.0	NA	
SW-03	1.8	1.8	NA	
SW-04	1.9	2.0	NA	
SW-05	0.8	3.0	NA	
SW-06	1.4	2.5	NA	
SW-07	1.8	1.0	NA	
SW-08	3.0	3.0	NA	
SW-09	0.8	4.5	NA	
SW-10	2.0	1.0	NA	
SW-11	0.6	4.5	NA	
SW-12	1.8	2.0	NA	
SW-13	1.9	~0.1	NA	
SW-14	0.8	4.5	NA	
SW-15	2.2	2.0	NA	
SW-16	1.0	4.5	NA	
SW-17	1.0	4.0	NA	
SW-18	0.3	4.5	NA	
SW-19	0.8	3.5	NA	
SW-20	0.6	4.5	NA	
SW-21	1.4	4.5	NA	
SW-22	1.3	4.0	NA	
SW-23	1.4	4.3	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																		
Inspector Name: M. Balletta & M. Fleming		Date: March 1, 2024																
Time IN: 830	Time OUT: 1400																	
GENERAL																		
Weather: Sunny Temperature: 41-43 deg F Barometric Pressure: 30.6 Equipment Room Temperature: approx. 72 deg F																		
Has the biosparge system being cycled on or off this month? ☒ On / Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																		
Is the biosparge compression (in enclosure) currently operating? ☒ Yes / No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																		
Any evidence of system tampering, vandalism or damage? Yes / ☒ No (circle one) One gauge (SW-13) is broken and must be replaced. <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																		
Comments: N/A																		
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Patrick Diggins	Project Manager	914-922-2356 (office)																
		603-494-7090 (cell)																
TBD	Owner's Representative	TBD																

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure	Well Air Flow Rate (SCFM)	Compressor Air Flow Reading (SCFM)	Notes
	Approx. 5 PSI	Approx. 1 to 2 SCFM	Approx. 46 SCFM	
Air Sparge Compressor	NA	NA		
SW-01	0.6	4.5	NA	
SW-02	2.1	4.0	NA	
SW-03	1.8	1.8	NA	
SW-04	1.9	2.0	NA	
SW-05	0.8	3.0	NA	
SW-06	1.4	2.5	NA	
SW-07	1.8	1.0	NA	
SW-08	3.0	3.0	NA	
SW-09	0.8	4.5	NA	
SW-10	2.0	1.0	NA	
SW-11	0.6	4.5	NA	
SW-12	1.8	2.0	NA	
SW-13	1.9	-	NA	broken gauge
SW-14	0.8	4.5	NA	
SW-15	2.2	2.0	NA	
SW-16	1.0	4.5	NA	
SW-17	1.0	4.0	NA	
SW-18	0.3	4.5	NA	
SW-19	0.8	3.5	NA	
SW-20	0.6	4.5	NA	
SW-21	1.4	4.5	NA	
SW-22	1.3	4.0	NA	
SW-23	1.4	4.3	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: <u>P. Diggins</u>	Date: <u>4/17/24</u>																
Time IN: <u>0935</u>	Time OUT: <u>1000</u>																
GENERAL																	
Weather: <u>Sunny</u>	Temperature: <u>56°F</u>	Barometric Pressure: <u>30.1</u> Equipment Room Temperature: <u>72°F</u>															
Has the biosparge system being cycled on or off this month? ☒ On / ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
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Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes ☒ No ☐ (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
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Comments:																	
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TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG
MONTHLY SYSTEM INSPECTION
Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens

<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 10 SCFM	Notes
Air Sparge Compressor	NA	NA	40	
SW-01	3.0	1.0	NA	
SW-02	2.0	2.0	NA	
SW-03	0.0	2.0	NA	
SW-04	0.0	0.8	NA	
SW-05	2.0	1.8	NA	
SW-06	1.0	2.0	NA	
SW-07	0.0	2.8	NA	
SW-08	0.0	0.8	NA	
SW-09	3.0	2.0	NA	
SW-10	0.0	0.8	NA	
SW-11	3.0	1.6	NA	
SW-12	0.0	1.8	NA	
SW-13	0.0	1.5	NA	
SW-14	1.0	2.0	NA	
SW-15	0.0	1.1	NA	
SW-16	2.5	1.2	NA	
SW-17	3.0	0.8	NA	
SW-18	3.5	1.0	NA	
SW-19	1.0	0.8	NA	
SW-20	3.0	1.5	NA	
SW-21	3.5	1.5	NA	
SW-22	3.0	1.3	NA	
SW-23	2.5	1.0	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: M. Bates	Date: 5/14/2024																
Time IN: 8:30	Time OUT: 11:30																
GENERAL																	
Weather: Sunny	Temperature: 57-70 deg F	Barometric Pressure: 30.02 Equipment Room Temperature: approx. 70 deg F															
Has the biosparge system being cycled on or off this month? ☒ On / ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
Is the biosparge compression (in enclosure) currently operating? Yes ☐ / ☒ No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																	
Any evidence of system tampering, vandalism or damage? Yes ☐ / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes ☐ / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																	
Comments: N/A																	
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Emergency Contact Information																	
Name	Title	Contact Number															
Deborah Shapiro	AKRF Project Director	646-388-9544 (office)															
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)															
TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	NA	NA	3.78	
SW-01	3.15	0.7	NA	
SW-02	2.5	1.9	NA	
SW-03	0	2	NA	
SW-04	0.63	1.9	NA	
SW-05	1.89	0.7	NA	
SW-06	0.95	1.4	NA	
SW-07	0	1.7	NA	
SW-08	0	2.5	NA	
SW-09	8.15	1	NA	
SW-10	0	2	NA	
SW-11	3.15	0.9	NA	
SW-12	0	1.6	NA	
SW-13	0	1.8	NA	
SW-14	1.26	0.8	NA	
SW-15	0	2.1	NA	
SW-16	3.15	1.9	NA	
SW-17	2.8	1.2	NA	
SW-18	3.5	0.3	NA	
SW-19	0.95	1	NA	
SW-20	3.15	0.6	NA	
SW-21	3.5	1.6	NA	
SW-22	3.15	1.8	NA	
SW-23	3.15	1.1	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: P. Diggins		Date: 6/5/2024															
Time IN: 10:00		Time OUT: 10:30															
GENERAL																	
Weather: Sunny	Temperature: 70 deg F	Barometric Pressure: 30.02 Equipment Room Temperature: approx. 75 deg F															
Has the biosparge system being cycled on or off this month? ☒ On / ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
Is the biosparge compression (in enclosure) currently operating? Yes ☐ / ☒ No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																	
Any evidence of system tampering, vandalism or damage? Yes ☐ / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes ☐ / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																	
Comments: N/A																	
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Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)															
TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	NA	NA	3.78	
SW-01	3.15	0.7	NA	
SW-02	2.5	1.9	NA	
SW-03	0	2	NA	
SW-04	0.63	1.9	NA	
SW-05	1.89	0.7	NA	
SW-06	0.95	1.4	NA	
SW-07	0	1.7	NA	
SW-08	0	2.5	NA	
SW-09	8.15	1	NA	
SW-10	0	2	NA	
SW-11	3.15	0.9	NA	
SW-12	0	1.6	NA	
SW-13	0	1.8	NA	
SW-14	1.26	0.8	NA	
SW-15	0	2.1	NA	
SW-16	3.15	1.9	NA	
SW-17	2.8	1.2	NA	
SW-18	3.5	0.3	NA	
SW-19	0.95	1	NA	
SW-20	3.15	0.6	NA	
SW-21	3.5	1.6	NA	
SW-22	3.15	1.8	NA	
SW-23	3.15	1.1	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: M. Bates	Date: 8/13/24																
Time IN: 9:00	Time OUT: 17:00																
GENERAL																	
Weather: Sunny Temperature: 81 deg F Barometric Pressure: 29.99 Equipment Room Temperature: approx. 70 deg F																	
Has the biosparge system being cycled on or off this month? ☒ On / Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
Is the biosparge compression (in enclosure) currently operating? ☒ Yes / No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																	
Any evidence of system tampering, vandalism or damage? Yes ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																	
Comments: N/A																	
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TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	NA	NA	3.78	
SW-01	4	0.7	NA	
SW-02	4	1.9	NA	
SW-03	1.5	2	NA	
SW-04	1.25	1.9	NA	
SW-05	3.75	0.7	NA	
SW-06	3.125	1.4	NA	
SW-07	4	1.7	NA	
SW-08	4	2.5	NA	
SW-09	1.3	1	NA	
SW-10	0.65	2	NA	
SW-11	4	0.9	NA	
SW-12	0.65	1.6	NA	
SW-13	4	1.8	NA	
SW-14	5	0.8	NA	
SW-15	0.65	2.1	NA	
SW-16	4.65	1.9	NA	
SW-17	4	1.2	NA	
SW-18	4.65	0.3	NA	
SW-19	4	1	NA	
SW-20	4	0.6	NA	
SW-21	4.65	1.6	NA	
SW-22	4.65	1.8	NA	
SW-23	3.25	1.1	NA	

BIOSPARGE INSPECTION LOG
MONTHLY SYSTEM INSPECTION
 Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens

Inspector Name: Mike Bates

Date: 9/11/24

Time IN: 0900

Time OUT: 1230

GENERAL

Weather:

SUNNY

Temperature:

54-79°F

Barometric

Pressure: 30.21

Equipment
Room

Temperature: 75°F

Has the biosparge system being cycled on or off this month? ☒ On / Off (circle one)

If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:

System was shut down on 9/10 & returned to power 9/11

Is the biosparge compression (in enclosure) currently operating? ☒ Yes / No (circle one)

If no, ALERT PROJECT MANAGER and please list reason/alarm condition:

Any evidence of system tampering, vandalism or damage? Yes / ☒ No (circle one)

If yes, ALERT PROJECT MANAGER and please note findings:

Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / ☒ No (circle one)

If yes, ALERT PROJECT MANAGER and please note findings:

Notes: This biosparge inspection Log should be completed along with the sampling log for each sampling event.

PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon

Comments:

Emergency Contact Information

Name	Title	Contact Number
Deborah Shapiro	AKRF Project Director	646-388-9544 (office)
Patrick Diggins	Project Manager	914-922-2356 (office)
		603-494-7090 (cell)
TBD	Owner's Representative	TBD

BIOSPARGE INSPECTION LOG
MONTHLY SYSTEM INSPECTION
Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens

Location	Applied Pressure	Well Air Flow Rate (SCFM)	Compressor Air Flow Reading (SCFM)	Notes
	Approx. 5 PSI	Approx. 1 to 2 SCFM	Approx. 48 SCFM	
Air Sparge Compressor	NA	NA	4.41 PSI	
SW-01	4.41		NA	
SW-02	5		NA	
SW-03	1.89		NA	
SW-04	1.29		NA	
SW-05	3.78		NA	
SW-06	3.78		NA	
SW-07	3.78		NA	
SW-08	4.41		NA	
SW-09	4.41		NA	
SW-10	1.26		NA	
SW-11	5.0		NA	
SW-12	1.26		NA	
SW-13	1.26		NA	
SW-14	5.0		NA	
SW-15	1.26		NA	
SW-16	3.78		NA	
SW-17	3.78		NA	
SW-18	5.0		NA	
SW-19	4.41		NA	
SW-20	5.0		NA	
SW-21	5.0		NA	
SW-22	5.0		NA	
SW-23	4.41		NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: M. Bates	Date: 10/15/24																
Time IN: 9:00	Time OUT: 12:30																
GENERAL																	
Weather: Partly Cloudy	Temperature: 54-63 deg F	Barometric Pressure: 29.63 Equipment Room Temperature: approx. 70 deg F															
Has the biosparge system being cycled on or off this month? ☒ On ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
Is the biosparge compression (in enclosure) currently operating? ☒ Yes ☐ No (circle one) <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																	
Any evidence of system tampering, vandalism or damage? Yes / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / ☒ No (circle one) <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																	
Comments: Balanced biosparge system prior to taking readings																	
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Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)															
TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	5	NA	3.8	
SW-01	2.5	0.7	NA	
SW-02	3	1.9	NA	
SW-03	2	2.0	NA	
SW-04	2	1.9	NA	
SW-05	2	0.7	NA	
SW-06	2	1.4	NA	
SW-07	2.5	1.7	NA	
SW-08	2.5	2.5	NA	
SW-09	2.5	1.0	NA	
SW-10	1	2	NA	
SW-11	3.5	0.9	NA	
SW-12	1	1.6	NA	
SW-13	3.5	1.8	NA	
SW-14	3.5	0.8	NA	
SW-15	1	2.1	NA	
SW-16	2.5	1.9	NA	
SW-17	2.5	1.2	NA	
SW-18	2.5	0.3	NA	
SW-19	2	1.0	NA	
SW-20	2.5	0.6	NA	
SW-21	3.5	1.6	NA	
SW-22	2.5	1.8	NA	
SW-23	2.5	1.1	NA	

BIOSPARGE INSPECTION LOG
MONTHLY SYSTEM INSPECTION
 Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens

Inspector Name: Mike Bates Date: 11/15/24
 Time IN: 1100 Time OUT: 1430

GENERAL

Weather: 54-57°F sunny Temperature: 54-57°F Barometric Pressure: 29.79 Equipment Room Temperature: 75

Has the biosparge system being cycled on or off this month? ☒ On / ☐ Off (circle one)
 If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:

Is the biosparge compression (in enclosure) currently operating? ☒ Yes / ☐ No (circle one)
 If no, ALERT PROJECT MANAGER and please list reason/alarm condition:

Any evidence of system tampering, vandalism or damage? Yes / ☒ No (circle one)
 If yes, ALERT PROJECT MANAGER and please note findings:

Any evidence of system tampering, vandalism or damage to the exhaust stack? Yes / ☒ No (circle one)
 If yes, ALERT PROJECT MANAGER and please note findings:

Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event.
 PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon

Comments: Currently NO access to roof stack need to talk with shelter staff about having ladder accessible

Emergency Contact Information		
Name	Title	Contact Number
Deborah Shapiro	AKRF Project Director	646-388-9544 (office)
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)
TBD	Owner's Representative	TBD

BIOSPARGE INSPECTION LOG
MONTHLY SYSTEM INSPECTION
Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens

Location	Applied Pressure Approx. 3 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 3 SCFM	Compressor Air Flow Reading (SCFM) Approx. 40 SCFM	Notes
Air Sparge Compressor	NA	NA		
SW-01	2.5		NA	
SW-02	2.5		NA	
SW-03	2.5		NA	
SW-04	2.5		NA	
SW-05	1.90		NA	
SW-06	1.90		NA	
SW-07	2.5		NA	
SW-08	2.5		NA	
SW-09	2.5		NA	
SW-10	1.26		NA	
SW-11	2.5		NA	
SW-12	1.26		NA	
SW-13	1.90		NA	
SW-14	3.15		NA	
SW-15	1.26		NA	
SW-16	2.5		NA	
SW-17	1.90		NA	
SW-18	1.90		NA	
SW-19	2.5		NA	
SW-20	2.5		NA	
SW-21	2.5		NA	
SW-22	2.5		NA	
SW-23	2.5		NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																	
Inspector Name: Mike Bates	Date: 1/23/25																
Time IN: 0900	Time OUT: 1600																
GENERAL																	
Weather: Clear	Temperature: 23-32 deg F	Barometric Pressure: 30.17 inhg															
		Equipment Room Temperature: 75 deg F															
Has the biosparge system being cycled on or off this month? On <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																	
Is the biosparge compression (in enclosure) currently operating? Yes <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																	
Any evidence of system tampering, vandalism or damage? Yes, Biosparge system was manually shutdown by a third party prior to AKRF arriving onsite. AKRF PM Patrick Diggins was informed of the situation along with the Queens Animal Shelter Operations manager before the system was restarted. Moving forward warning signs and actions to restrict access will be implemented. <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Any evidence of system tampering, vandalism or damage to the exhaust stack? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																	
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																	
Comments:																	
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TBD	Owner's Representative	TBD															

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	NA	NA	3.8	
SW-01	2.50	0.7	NA	
SW-02	2.50	1.9	NA	
SW-03	2.50	2.0	NA	
SW-04	2.50	1.9	NA	
SW-05	2.50	0.7	NA	
SW-06	2.50	1.4	NA	
SW-07	2.50	1.7	NA	
SW-08	2.75	2.5	NA	
SW-09	2.50	1.0	NA	
SW-10	1.25	2.0	NA	
SW-11	2.50	0.9	NA	
SW-12	1.25	1.6	NA	
SW-13	1.25	1.8	NA	
SW-14	3.13	0.8	NA	
SW-15	1.50	2.1	NA	
SW-16	2.50	1.9	NA	
SW-17	2.00	1.2	NA	
SW-18	2.50	0.3	NA	
SW-19	2.50	1.0	NA	
SW-20	2.50	0.6	NA	
SW-21	2.50	1.6	NA	
SW-22	2.50	1.8	NA	
SW-23	2.50	1.1	NA	

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens																		
Inspector Name: Mike Bates		Date: 4/9/25																
Time IN: 0900		Time OUT: 1600																
GENERAL																		
Weather: Clear	Temperature: 32-49 deg F	Barometric Pressure: 30.25 inhg	Equipment Room Temperature: 75 deg F															
Has the biosparge system being cycled on or off this month? On <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																		
Is the biosparge compression (in enclosure) currently operating? Yes <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																		
Any evidence of system tampering, vandalism or damage? Yes, Biosparge system was manually shutdown by a third party prior to AKRF arriving onsite. AKRF PM Patrick Diggins was informed of the situation along with the Queens Animal Shelter Operations manager before the system was restarted. Moving forward warning signs and actions to restrict access will be implemented. <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Any evidence of system tampering, vandalism or damage to the exhaust stack? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																		
Notes: This biosparge Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																		
Comments:																		
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="padding: 5px;">Emergency Contact Information</th> </tr> <tr> <th style="padding: 5px;">Name</th> <th style="padding: 5px;">Title</th> <th style="padding: 5px;">Contact Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Deborah Shapiro</td> <td style="padding: 5px;">AKRF Project Director</td> <td style="padding: 5px;">646-388-9544 (office)</td> </tr> <tr> <td style="padding: 5px;">Patrick Diggins</td> <td style="padding: 5px;">Project Manager</td> <td style="padding: 5px;">914-922-2356 (office) 603-494-7090 (cell)</td> </tr> <tr> <td style="padding: 5px;">TBD</td> <td style="padding: 5px;">Owner's Representative</td> <td style="padding: 5px;">TBD</td> </tr> </tbody> </table>				Emergency Contact Information			Name	Title	Contact Number	Deborah Shapiro	AKRF Project Director	646-388-9544 (office)	Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)	TBD	Owner's Representative	TBD
Emergency Contact Information																		
Name	Title	Contact Number																
Deborah Shapiro	AKRF Project Director	646-388-9544 (office)																
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)																
TBD	Owner's Representative	TBD																

BIOSPARGE INSPECTION LOG MONTHLY SYSTEM INSPECTION Queens Animal Center and Care Shelter, 1906 Flushing Ave, Queens				
<i>Location</i>	Applied Pressure Approx. 5 PSI	Well Air Flow Rate (SCFM) Approx. 1 to 2 SCFM	Compressor Air Flow Reading (SCFM) Approx. 46 SCFM	Notes
Air Sparge Compressor	NA	NA	3.8	
SW-01	3.13	0.7	NA	
SW-02	3.13	1.9	NA	
SW-03	4.38	2.0	NA	
SW-04	3.13	1.9	NA	
SW-05	3.13	0.7	NA	
SW-06	3.00	1.4	NA	
SW-07	3.13	1.7	NA	
SW-08	3.25	2.5	NA	
SW-09	3.13	1.0	NA	
SW-10	2.50	2.0	NA	
SW-11	4.37	0.9	NA	
SW-12	2.50	1.6	NA	
SW-13	1.88	1.8	NA	
SW-14	3.75	0.8	NA	
SW-15	2.50	2.1	NA	
SW-16	3.75	1.9	NA	
SW-17	3.75	1.2	NA	
SW-18	4.38	0.3	NA	
SW-19	3.75	1.0	NA	
SW-20	3.13	0.6	NA	
SW-21	3.75	1.6	NA	
SW-22	3.75	1.8	NA	
SW-23	3.13	1.1	NA	

APPENDIX F
SSDS INSPECTION LOGS

SSDS MONITORING INSPECTION FORM					
Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY					
Inspector Name: P. Diggins			Date: 11/13/2023		
Time In: 8:20			Time Out: 11:00		
General					
Sunny	Temperature: 35 deg F		Barometric Pressure:		30.42
1. When was the last rain event? 11/7/2023					
2. Is the blower currently operating? Yes / No <i>If no, please list reason/alarm condition:</i>					
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No.					
4. Is air discharging from the exhaust piping to the roof? - Yes.					
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No.					
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>					
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>					
SSDS Operations					
Blower Inlet PID (ppm)		0			
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Flow Rate ¹ cfm	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Notes
MP-01	Laundry Room	NA	NA	-	Monitoring point not accessible
MP-02	Hallway near Interior Dog Run 1	NA	NA	-	Monitoring point not accessible
MP-03	Hallway near Exterior Dog Run 1	NA	NA	-	Monitoring point not accessible
MP-04	Treatment Room	NA	NA	-	Monitoring point not accessible
R-1	Groundwater Treatment Room	252	2.67	NA	
R-2		142	2.72	NA	
R-3		200	2.64	NA	
R-4		157	2.57	NA	
R-5		321	2.56	NA	
R-6		299	2.79	NA	
Combined applied vacuum on SSDS riser =		NA	3.9	NA	
Notes: 1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable					

SSDS MONITORING INSPECTION FORM						
Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY						
Inspector Name: M. Balletta/M. Fleming				Date: 3/1/2024		
Time In: 8:30				Time Out: 14:00		
General						
Weather: Sunny		Temperature: 41 to 43 deg F		Barometric Pressure: 30.6		
1. When was the last rain event? 2/28/2024						
2. Is the blower currently operating? ☒ Yes ☐ No <i>If no, please list reason/alarm condition:</i>						
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No.						
4. Is air discharging from the exhaust piping to the roof? - Yes.						
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No.						
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>						
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>						
SSDS Operations						
Blower Inlet PID (ppm)						
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes
MP-01	Laundry Room	NA	NA	-0.463	NA	
MP-02	Hallway near Interior Dog Run 1	NA	NA	-0.106	NA	
MP-03	Hallway near Exterior Dog Run 1	NA	NA	-0.364	NA	
MP-04	Treatment Room	NA	NA	-0.41	NA	
R-1	Groundwater Treatment Room	0.61	-2.145	NA	181	
R-2		2.49	-0.339	NA	366	
R-3		0.315	-2.34	NA	131	
R-4		0.963	-2.365	NA	227	
R-5		0.597	-2.062	NA	175	
R-6		0.142	-2.072	NA	150	
Combined applied vacuum on SSDS riser =		NA	3.8	NA	NA	
Notes: 1. Normal system flow rates range from 40 to 200 cfm. Applied vacuum readings range from -1 to -15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of -0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable						

SSDS MONITORING INSPECTION FORM Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY						
Inspector Name: M. Bates				Date: 5/14/2024		
Time In: 8:30				Time Out: 11:30		
General						
Weather: Sunny		Temperature: 57-70 deg F		Barometric Pressure: 30.02		
1. When was the last rain event?						
2. Is the blower currently operating? (Yes) No <i>If no, please list reason/alarm condition:</i>						
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No.						
4. Is air discharging from the exhaust piping to the roof? - Yes.						
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No.						
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>						
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes. <i>If no, list location and contact Project Manager/Project Director.</i>						
SSDS Operations						
Blower Inlet PID (ppm)		NA				
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum¹ in. H₂O	Induced Vacuum² in. H₂O	Flow Rate¹ cfm	Notes
MP-01	Laundry Room	NA	NA	0.028	NA	
MP-02	Hallway near Interior Dog Run 1	NA	NA	0.217	NA	
MP-03	Hallway near Exterior Dog Run 1	NA	NA	0.431	NA	
MP-04	Treatment Room	NA	NA	0.166	NA	
R-1	Groundwater Treatment Room	NA	2.4	NA	NA	
R-2		NA	2.25	NA	NA	
R-3		NA	2.4	NA	NA	
R-4		NA	2.3	NA	NA	
R-5		NA	2.3	NA	NA	
R-6		NA	2.5	NA	NA	
Combined applied vacuum on SSDS riser =		NA	3.9	NA	NA	
Notes: 1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable						

SSDS MONITORING INSPECTION FORM					
Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY					
Inspector Name: ~~F. Diggins~~ M. Bates			Date: 11/13/2023 6/11/24		
Time In: 8:20 9:00			Time Out: 11:00 15:00		
General					
Sunny		Temperature: 35 deg F 75°F		Barometric Pressure: 30.42 29.92	
1. When was the last rain event? 11/17/2023					
2. Is the blower currently operating? ☒ Yes / No					
If no, please list reason/alarm condition:					
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? -					
(No)					
4. Is air discharging from the exhaust piping to the roof? ☒ Yes.					
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? ☒ No					
6. Were all cleanout/sampling port caps securely attached prior to system testing? ☒ Yes.					
If no, list location and contact Project Manager/Project Director.					
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - ☒ Yes.					
If no, list location and contact Project Manager/Project Director.					
SSDS Operations					
Blower Inlet PID (ppm)		0			
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Flow Rate ¹ cfm	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Notes
MP-01	Laundry Room	NA	NA .025	-	Monitoring point not accessible
MP-02	Hallway near Interior Dog Run 1	NA	NA .27	-	Monitoring point not accessible
MP-03	Hallway near Exterior Dog Run 1	NA	NA .43	-	Monitoring point not accessible
MP-04	Treatment Room	NA	NA .165	-	Monitoring point not accessible
R-1	Groundwater Treatment Room	252	2.07	NA	Currently Riser Gauges not set up
R-2		142	2.72	NA	
R-3		200	2.64	NA	
R-4		157	2.57	NA	
R-5		321	2.56	NA	
R-6		290	2.78	NA	
Combined applied vacuum on SSDS riser = 3.7		NA	3.9	NA	
Notes:					
1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6).					
2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04).					
3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary.					
in. of H ₂ O - inches of water					
cfm - cubic feet per minute					
NA - not applicable					

SSDS MONITORING INSPECTION FORM Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY					
Inspector Name: M. Bates			Date: 8/13/24		
Time In: 9:00			Time Out: 17:00		
General					
Weather: Sunny	Temperature: 81 deg F	Barometric Pressure: 29.99			
1. When was the last rain event? 8/12/24					
2. Is the blower currently operating? ☒ Yes / ☐ No <i>If no, please list reason/alarm condition:</i>					
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No.					
4. Is air discharging from the exhaust piping to the roof? - Yes.					
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No.					
6. Were all cleanout/sampling port caps securely attached prior to system test Yes. <i>If no, list location and contact Project Manager/Project Director.</i>					
7. Is the concrete floor slab overlying all of the SSDS piping r. Yes. <i>If no, list location and contact Project Manager/Project Director.</i>					
SSDS Operations					
Blower Inlet PID (ppm)	NA				
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Applied Vacuum¹ in. H₂O	Induced Vacuum² in. H₂O	Flow Rate¹ cfm	Notes
MP-01	Laundry Room	NA	0.026	NA	
MP-02	Hallway near Interior Dog Run 1	NA	0.257	NA	
MP-03	Hallway near Exterior Dog Run 1	NA	0.532	NA	
MP-04	Treatment Room	NA	0.329	NA	
R-1	Groundwater Treatment Room	2.2	NA	50	
R-2		2.4	NA	20	
R-3		2.4	NA	32	
R-4		2.4	NA	28	
R-5		2.2	NA	30	
R-6		2.6	NA	50	
Combined applied vacuum on SSDS riser =		3.8	NA	NA	
Notes: 1. Normal system flow rates range from 20 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable					

SSDS MONITORING INSPECTION FORM Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY						
Inspector Name: Mike Bates			Date: 1/23/2025			
Time In: 830			Time Out: 1600			
General						
Weather: Clear		Temperature: 23-32 deg f		Barometric Pressure: 30.17		
1. When was the last rain event? 1/18/25						
2. Is the blower currently operating? Yes <i>If no, please list reason/alarm condition:</i>						
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - Yes, SSDS system was manually shutdown by a third party prior to AKRF arriving onsite. AKRF PM Patrick Diggins was informed of the situation along with the Queens Animal Shelter Operations manager before the system was restarted. Moving forward warning signs and actions to restrict access will be implemented.						
4. Is air discharging from the exhaust piping to the roof? - Yes						
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No						
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>						
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>						
SSDS Operations						
Blower Inlet PID (ppm)		NA				
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum¹ in. H₂O	Induced Vacuum² in. H₂O	Flow Rate¹ cfm	Notes
MP-01	Laundry Room	NA	NA	0.03		
MP-02	Hallway near Interior Dog Run 1	NA	NA	0.19		
MP-03	Hallway near Exterior Dog Run 1	NA	NA	0.31		
MP-04	Treatment Room	NA	NA	0.13		
R-1	Groundwater Treatment Room	0.3	1.2	NA		
R-2		0.1	4	NA		
R-3		0.28	2	NA		
R-4		0.24	2	NA		
R-5		0.27	2	NA		
R-6		0.3	1.4	NA		
Combined applied vacuum on SSDS riser =		NA	5.7	NA		
Notes: 1. Normal system flow rates range from 40 to 200 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable						

SSDS MONITORING INSPECTION FORM Queens Animal Shelter and Care Center, 1906 Flushing Ave, Queens, NY						
Inspector Name: Mike Bates			Date: 4/9/2025			
Time In: 830			Time Out: 1600			
General						
Weather: Clear		Temperature: 32-48 deg f		Barometric Pressure: 30.25		
1. When was the last rain event? 4/7/25						
2. Is the blower currently operating? Yes <i>If no, please list reason/alarm condition:</i>						
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No						
4. Is air discharging from the exhaust piping to the roof? - Yes						
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No						
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>						
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>						
SSDS Operations						
Blower Inlet PID (ppm)		NA				
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes
MP-01	Laundry Room	NA	NA	0.057		
MP-02	Hallway near Interior Dog Run 1	NA	NA	0.169		
MP-03	Hallway near Exterior Dog Run 1	NA	NA	0.259		
MP-04	Treatment Room	NA	NA	0.115		
R-1	Groundwater Treatment Room	0.33	1.2	NA		
R-2		0.07	4.2	NA		
R-3		0.3	2	NA		
R-4		0.31	2	NA		
R-5		0.3	2	NA		
R-6		0.32	1.4	NA		
Combined applied vacuum on SSDS riser =		NA	5.8	NA		
Notes: 1. Normal system flow rates range from 40 to 200 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (R-1 through R-6). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-04). 3. If observations are confirmed to be outside of this range, inform emergency contacts below and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water cfm - cubic feet per minute NA - not applicable						

APPENDIX G
IC/EC CERTIFICATION FORM



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



Site No.	C241230	Site Details	Box 1
Site Name Queens Animal Shelter and Care Center			
Site Address: 151 Woodward Avenue a/k/a 1902 Flushing Ave Zip Code: 11385			
City/Town: Queens			
County: Queens			
Site Acreage: 1.005			
Reporting Period: December 18, 2023 to April 18, 2025			
			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? Development completed on 7/24/2024.		X

			Box 2
			YES NO
6.	Is the current site use consistent with the use(s) listed below? Commercial and 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

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? **X**

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? **X**
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241230**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**3376-1**

1906 Flushing LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Site Management Plan
IC/EC Plan

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

Box 4**Description of Engineering Controls**ParcelEngineering Control**3376-1**

Air Sparging/Soil Vapor Extraction
Vapor Mitigation
Cover System
Groundwater Treatment System
Vapor Mitigation
Subsurface Barriers
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

Date

**IC CERTIFICATIONS
SITE NO. C241230**

Box 6

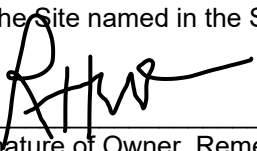
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 Risa Weinstock at 11 Park Place, Suite 1212, New York, NY 10007,
print name print business address

am certifying as 1906 Flushing LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



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

May 7, 2025
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 Michelle Lapin, P.E. at AKRF, Inc., 440 Park Avenue So, 7th Fl, New York, NY 10016,
print name print business address

am certifying as a Professional Engineer for the 1906 Flushing LLC
(Owner or Remedial Party)



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



Stamp
(Required for PE)

May 7, 2025
Date

APPENDIX H
IDW MANIFEST

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No. 66137	2. Page 1 of 01	NHWM 224920	
GENERATOR	3. Generator's Name and Mailing Address 1906 FLUSHING LLC. 151 WOODWARD AVE. QUEENS, NY 11368		A. Transporter's Phone 631-586-5900			
	4. Generator's Phone ()		B. Transporter's Phone			
	5. Transporter 1 Company Name AARCO ENVIRONMENTAL SERVICES CORP.		6. US EPA ID Number N.Y.R. 0.0.0.1.0.7.3.2.6	B. Transporter's Phone		
	7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone		
	9. Designated Facility Name and Site Address DALE TRANSFER CORP 129 DALE STREET WEST BABYLON, NY 11704		10. US EPA ID Number N/A	631-393-2882		
	11. Waste Shipping Name and Description		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	
	a. NON-REGULATED LIQUID (PURGE WATER)		XX.1 DM	X55 G		
	b.					
	c.					
	d.					
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information EMERGENCY PHONE # 631-586-5900 JOB# 224920 TRUCK # B507						
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
TRANSPORTER	17. Transporter 1 Acknowledgment of Receipt of Materials		Signature		Month Day Year 03/20/25	
	Printed/Typed Name MILAN BOYES		of owner			
	18. Transporter 2 Acknowledgment of Receipt of Materials		Signature		Month Day Year 03/20/25	
	Printed/Typed Name MUHAMMAD ANWAR					
FACILITY	19. Discrepancy Indication Space					
	20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.		Signature		Month Day Year	
Printed/Typed Name						

ORIGINAL - RETURN TO GENERATOR