521 EAST TREMONT AVENUE

BRONX, NY

Draft Remedial Design Report

AKRF Project Number: 190204

NYSDEC BCP Project Number: C203161

Prepared for:
NYSDEC
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

On Behalf Of:
M521 Tremont LLC and 521 Tremont Owner LLC
48-02 25th Avenue, Suite 400
Queens, NY 11103

Prepared by:

AKRF, Inc.
440 Park Avenue South
New York, NY 10016
212-696-0670

JUNE 2025

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1
REMEDIAL DESIGN REPORT 4
1.0 INTRODUCTION 4
1.1 Site Location and Description 4
1.2 Nearby Sensitive Receptors 4
2.0 SITE HISTORY 5
2.1 Past Uses and Ownership 5
2.2 Previous Environmental Reports 5
2.3 Areas of Concern (AOCs) 8
3.0 PROJECT MANAGEMENT 10
3.1 Project Organization 10
3.2 Health and Safety 10
4.0 SITE INVESTIGATION ACTIVITIES 11
4.1 Groundwater Monitoring Well Installation 11
4.2 Groundwater Monitoring Well Development 11
4.3 Groundwater Elevation Survey 11
4.4 Sample Collection and Chemical Analysis 12
4.4.1 Groundwater Sampling 12
4.4.2 Chemical Analysis 12
4.4.3 Quality Assurance/Quality Control (QA/QC) Sampling 13
4.4.4 Management of Investigation-Derived Waste (IDW) 14
4.4.5 Results of Chemical Analyses 14
5.0 ENVIRONMENTAL EVALUATION 15
5.1 Geological and Hydrogeological Conditions 15
5.1.1 Stratigraphy 15
5.1.2 Hydrogeology 15
5.2 Groundwater Chemistry 15
5.2.1 Chlorinated Volatile Organic Compounds (CVOCs) in Groundwater 15
5.3 Summary and Conclusions 16
6.0 IN-SITU GROUNDWATER TREATMENT PROGRAM 17
6.1 Remediation Summary 17
6.2 In-Situ Chemical Oxidation (ISCO) Bench-Scale Laboratory Treatability Study 18
6.3 In-Situ Groundwater Treatment Program 18
6.3.1 Temporary Wellpoint Injections 18
6.3.2 Contingent Permanent Groundwater Treatment System 19
6.3.3 Post-Remedial Groundwater Monitoring Well Installation 20
6.4 Post-Remedial Groundwater Sampling 20
7.0 SUB-SLAB DEPRESSURIZATION (SSDS) DESIGN 22
8.0 GREEN REMEDIATION STRATEGY 23
8.1 Environmental Footprint Analysis 23
8.2 Climate Vulnerability Analysis 23
8.3 Environmental Footprint Tracking 23
9.0 SCHEDULE 24

FIGURES

Figure 1 – Site Location
Figure 2 – Site and Sample Location Plan
Figure 3 – Shallow Groundwater Contour Map – March 2025
Figure 4 – Cross Sectional View of Nested Groundwater Monitoring Wells
Figure 5 – Chlorinated VOC Concentrations in Shallow and Intermediate Groundwater Samples Above NYSDEC AWQSGVs
Figure 6 – Chlorinated VOC Concentrations in Deep Groundwater Samples Above NYSDEC AWQSGVs
Figure 7 – Proposed ISCO Injection Locations

IN-TEXT TABLES

Table A – Chemical Analytical Program
Table B – Groundwater Analytes Detected Above NYSDEC AWQSGVs
Table C – PCE Mass Reduction Summary
Table D – Projected Project Schedule

ATTACHED TABLES

Table 1 – Groundwater Elevation Data
Table 2 – RDI Groundwater Analytical Results for CVOCs

APPENDICES

Appendix A – Groundwater Monitoring Well Construction, Development, and Sampling Logs
Appendix B – Laboratory Data Deliverables and DUSR for Groundwater
Appendix C – Investigation-Derived Waste Disposal Manifest
Appendix D – SSDS and Groundwater Treatment Design Drawings
Appendix E – Bench Scale Treatability Study Report
Appendix F – Environmental Footprint Analysis and Climate Vulnerability Analysis

LIST OF ACRONYMS

Acronym	Definition
AOC	Areas of Concern
ASP	Activated Sodium Persulfate
AWQSGV	Ambient Water Quality Standard and Guidance Value
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
CVA	Climate Vulnerability Analysis
CVOC	Chlorinated Volatile Organic Compound
DUSR	Data Usability Summary Report
EPA	U.S. Environmental Protection Agency
FER	Final Engineering Report
HASP	Health and Safety Plan
IDW	Investigation-Derived Waste
ISCO	In-Situ Chemical Oxidation
MFR	Modified Fenton's Reagent
MNA	Monitored Natural Attenuation
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	U.S. Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethylene
PE	Professional Engineer
PID	Photoionization Detector
QAPP	Quality Assurance Project Plan
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
ROI	Radius of Influence
RRSCO	Restricted Residential SCOs
SMP	Site Management Plan
SSDS	Sub-Slab Depressurization System
TCE	Trichloroethylene
VMP	Vacuum Monitoring Points
VOC	Volatile Organic Compound

CERTIFICATION

I, Rebecca Kinal, P.E., certify that I am currently a New York State registered Professional Engineer, as defined in 6 NYCRR Part 375 and that this Remedial Design Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plans, work plan addenda, and any DER-approved modifications.

DRAFT

NYS Professional Engineer Stamp Date Signature

EXECUTIVE SUMMARY

Site Description, Physical Setting, and Background

The property is an approximately 0.57-acre parcel located at 521 East Tremont Avenue and 4223 Third Avenue in the East Tremont neighborhood of the Bronx, New York, also identified as Tax Block 3043, Lots 72 and 77 on the New York City Tax Map (the "Site"). M521 Tremont LLC entered into a Brownfield Cleanup Agreement (BCA) (Index No. C203161-04-23) with the New York State Department of Environmental Conservation (NYSDEC) on May 8, 2023. An amendment was executed by NYSDEC in January 2024 to add 521 Tremont Owner LLC to the existing BCA. Collectively, M521 Tremont LLC and 521 Tremont Owner LLC are referred to herein as the "Volunteer."

The Site currently consists of a private parking lot with a gravel surface to the west, and a private asphalt-paved parking lot to the north and east. The southern portion of the Site contains a three-story vacant commercial building with a cellar level, and a one-story slab-on-grade vacant commercial building, both fronting East Tremont Avenue. The Site location and topography of the Site and surrounding area are shown on Figure 1 and the Site layout is shown on Figure 2.

The Site is abutted to the north by a parking lot and Bronx Charter School for Excellence 5; to the east by Third Avenue, followed by mixed-use buildings, commercial uses, and a church; to the south by East Tremont Avenue followed by commercial buildings; and to the west by a funeral home, commercial uses, followed by Bathgate Avenue. The surrounding area is predominantly residential and commercial, with some institutional uses.

Summary of Historic Uses

The Site was developed with residential buildings as early as 1901 and various commercial uses between approximately 1915 through present-day. Historical Site operations included a printing facility (Tremont Printing Co.) on the southeastern portion of the Site between approximately 1915 and 1927. A dry cleaner was located in the northeastern portion of the Site between approximately 1961 and 1980. The on-site buildings became vacant in August 2023.

Areas of Concern (AOCs)

The Remedial Investigation (RI) as described in the RI Report (RIR), dated March 2024, identified the following AOCs at the Site:

- The Site's historic use as a dry cleaner and printer.
- Elevated concentrations of chlorinated solvents (CVOCs) in groundwater identified during the 2019 Subsurface (Phase II) Investigation.
- Elevated concentrations of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) in soil identified during the 2019 Subsurface (Phase II) Investigation, including a cis-1,2-dichloroethene (cis-1,2-DCE) hotspot located in the northeastern portion of the Site.

Based on the results of the RIR, a Remedial Action Work Plan (RAWP), dated June 2024, was prepared to address the AOCs, which was approved by NYSDEC in July 2024 and the Decision Document was issued on July 15, 2024. The RAWP and Decision Document required implementing a Remedial Design Investigation (RDI) program to determine the method and depth of the groundwater treatment program, as well as provide details necessary for the construction, operation, optimization, and evaluation the remedy with respect to green and sustainable remediation principles.

Summary of the Work Performed under the RDI

The RDI included the following scope of work:

- Installed three permanent, 2-inch diameter nested groundwater monitoring wells (screened at shallow, intermediate, and deep intervals) with the collection of nine groundwater samples for laboratory analysis for CVOCs.
- Surveyed groundwater monitoring well elevations at the Site to further develop Site-specific groundwater elevation maps, confirm shallow groundwater flow, and determine deep groundwater flow beneath the Site.
- Conducted an in-situ chemical oxidation (ISCO) bench-scale laboratory treatability study (*Bench Scale Treatability Study Report*, ISOTEC, April 2025) on soil and groundwater samples collected from the eastern portion of the Site.

Summary of Hydrogeologic Findings

The following geologic and hydrogeologic conditions were noted:

1. Stabilized groundwater in the shallow-screened monitoring wells was measured prior to sampling at depths ranging from approximately 11.10 to 13.13 feet below sidewalk grade, or 55.73 to 58.93 feet above the North American Vertical Datum of 1988 (NAVD88).
2. Stabilized groundwater in the intermediate-screened monitoring wells was measured prior to sampling at depths ranging from approximately 12.05 to 12.93 feet below sidewalk grade, or 56.55 to 56.92 feet above NAVD88.
3. Stabilized groundwater in the deep-screened monitoring wells was measured prior to sampling at depths ranging from approximately 12.80 to 13.75 feet below sidewalk grade, or 55.74 to 56.25 feet above NAVD88.
4. Based on the well elevation survey, shallow groundwater flows in a southerly to southwesterly direction beneath the Site.
5. Based on borings advanced at the Site during the RDI and previous investigations (including geotechnical investigations conducted by others), the stratigraphy beneath the Site consists of historic fill comprising sand, silt, gravel, brick, with trace amounts of wood, metal, glass, ash, and ceramic fragments from just below surface grade to approximately 3 to 16 feet below grade. The fill material is underlain by apparent native soil (glacial till) consisting of brown sand, silt, gravel, and clay between approximately 3 and 20 feet below grade. Deeper soil from approximately 20 to 84 feet below grade consisted of clayey silt and fine sand, which represents a thick layer of highly decomposed bedrock. During the RDI, apparent competent bedrock was encountered between approximately 65 feet at RDI-MW-02 and 84 feet at RDI-MW-03.

Summary of Environmental Findings

1. Six of the 22 CVOCs analyzed for were detected in the groundwater samples above laboratory detection limits at concentrations ranging from 0.51 to 83 micrograms per liter (µg/L). Tetrachloroethene (PCE) was detected in the shallow and intermediate wells from RDI-MW-02 and RDI-MW-03 at concentrations ranging from 18 to 83 µg/L, above the Class GA Ambient Water Quality Standard and Guidance Value (AWQSGV) of 5 µg/L; and trichloroethene (TCE, which is a PCE breakdown product) was detected in RDI-MW-03I at 9 µg/L, above the AWQSGV of 5 µg/L. PCE was not detected (RDI-MW-01D) or was below the AWQSGV (RDI-MW-02D and RDI-MW-03D) in the deep wells; however, two PCE breakdown products, cis-1,2-DCE and TCE, were detected in RDI-MW-03D at concentrations of 36 µg/L and 20 µg/L, respectively, above their AWQSGV of 5 µg/L. Lower

concentrations (below the ASWQGVs) of PCE breakdown products were also detected in shallow/intermediate wells RDI-MW-02I, RDI-MW-03S, and RDI-MW-031, and deep well RDI-MW-02D.

2. Based on an evaluation of the laboratory analytical data and information collected from the RDI and previous investigations, AWQGVS exceedances for PCE are limited to the shallow and intermediate intervals in the eastern-central portion of the Site, with the highest concentrations in the area of the RDI-MW-03 well cluster (located downgradient from the cis-1,2-DCE soil hotspot). The low permeability of the weathered bedrock along with natural attenuation (as demonstrated by the presence of higher levels of TCE and DCE in in monitoring wells RDI-MW-02D and RDI-MW-03D) appears to be limiting downward PCE migration into the deep zone, which sits directly above competent bedrock, at approximately 65 feet and 84 feet below grade, respectively.

A groundwater treatment program is proposed for the northeastern portion of the Site, as noted on Figure 7. Prior to construction of the new building foundation, temporary injection points will be utilized to treat shallow groundwater down to 25 feet below grade, or to refusal on weathered bedrock (whichever is encountered first). Upon receipt of the groundwater analytical data collected after completion of the first chemical treatment event, the need for a second round of the groundwater treatment program will be evaluated. A second round of the ISCO injection event may be conducted prior to receipt of the Certificate of Completion (COC) if possible based on timing. However, it is anticipated that post-remedial groundwater monitoring events, if required, would occur under the site management phase of the project post-COC. A permanent groundwater treatment system will be installed to treat shallow and intermediate groundwater if additional injection events are required post-construction. Further details of the temporary and permanent systems are discussed below.

REMEDIAL DESIGN REPORT

1.0 INTRODUCTION

This Remedial Design Report (RDR) summarizes the investigation work performed between February 24 through March 6, 2025 and March 13 and 14, 2025. The goal of the RDI was to further delineate known on-site groundwater contamination and to develop a proposed groundwater treatment program, as detailed in AKRF's June 2024 NYSDEC-approved Remedial Action Work Plan (RAWP) and the July 2024 Decision Document. This RDI was conducted in accordance with AKRF's Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP), and Quality Assurance Project Plan (QAPP) provided in the RAWP.

1.1 Site Location and Description

The 0.57-acre Site is located in Bronx County, The Bronx, New York and is identified as Block 3043 and Lots 72 and 77 on the New York City Tax Map. A United States Geological Survey (USGS) topographical map (Figure 1) shows the Site location. The Site is situated on an approximately 0.57-acre area bounded by a parking lot and Bronx Charter School for Excellence 5 to the north, East Tremont Avenue, followed by commercial buildings to the south, Third Avenue, followed by mixed-use buildings, commercial uses, and a church to the east, and a funeral home and commercial uses, followed by Bathgate Avenue to the west (see Figure 2).

1.2 Nearby Sensitive Receptors

The nearest sensitive receptors include Bronx Charter School for Excellence 5 (approximately 40 feet to the northwest), P.S. 723 (approximately 75 feet to the south), Sharon Baptist Headstart Campus 4 (approximately 60 feet to the west), Loyalty Daycare LLC (approximately 150 feet to the northeast), Volunteers of America-Greater New York Bronx Early Learning Center (approximately 200 feet to the southwest), Jossie's Daycare (approximately 300 feet to the northeast), and Bronx Day Care Center Inc. (approximately 340 feet to the east). Additional schools and daycare facilities are located over 600 feet from the Site. The nearest body of water is the Bronx River, located approximately 1 mile east of the Site.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Available records indicated that the Site was developed with residential buildings as early as 1901 and various commercial uses between approximately 1915 through present-day. Historical site operations included a printing facility (Tremont Printing Co.) in the southeastern portion of the Site between approximately 1915 and 1927. A dry cleaner was located in the northeastern portion of the Site between approximately 1961 and 1980.

Historic City Directories indicated that the Site was operated by various offices, and commercial uses throughout its history, including retail, bakeries, a locksmith, a butcher, and an auto repair shop in approximately 2010.

2.2 Previous Environmental Reports

Previous environmental reports prepared for the Site are summarized below:

Geotechnical Investigation Report – Proposed 14-Story Mixed-Use Building, 521 East Tremont Ave., Bronx, New York, SESI Consulting Engineers, May 2019

SESI Consulting Engineers (SESI) conducted a geotechnical investigation at the Site in May 2019. Nine borings were advanced within the footprint of the proposed building and within the adjacent sidewalks to a maximum depth of approximately 68 feet below grade. One test pit was excavated in the western portion of the Site down to approximately 8 feet below grade to determine the depth of the adjacent building's footing. The stratigraphy beneath the Site consisted of surficial materials (asphalt and concrete) between 4 and 10 inches thick, underlain by historic fill material up to approximately 8 to 14 feet below grade. Underlying the fill layer was a light brown/gray alluvial deposit clayey-silt with varying amounts of fine sand. The alluvial layer was encountered in two borings located along the northeastern portion of the Site, adjacent to Third Avenue. Glacial till, consisting of brown/gray fine to medium sand with clayey-silt and fine to medium gravel, was found to be underlying the existing fill. Glacial till ranged in thickness from 2 to 27 feet thick. Bedrock was encountered at depths ranging from approximately 10 feet below grade in the western portion of the Site to approximately 63 feet below grade in the eastern portion of the Site. Groundwater was encountered in four of the borings at depths between 9 to 20 feet below grade. Split-spoon soil samples were collected in accordance with ASTM D1586.

Phase I Environmental Site Assessment – 521 East Tremont Avenue, Block 3043, Lots 46, 72, 77, and 80, Bronx, New York, ALC Environmental, May 2019

ALC Environmental (ALC) was contracted by the Volunteer to conduct a Phase I Environmental Site Assessment (ESA) of the Site. The Phase I ESA was performed in general conformance with the scope and limitations of the American International (ASTM) Practice E1527-13. The report identified the following Recognized Environmental Conditions (RECs):

According to the historical Fire Insurance (Sanborn) maps and city directories reviewed, a printing facility (identified as 'Tremont Printing Co.') operated on Lot 77 (4215 Third Avenue) between at least 1915 and 1927. Printing activities typically generate hazardous wastes in the form of spent inks, oils, and solvents. Based on the lack of hazardous waste regulations prior to the 1970s, it is likely that hazardous wastes associated with said printing facility were improperly disposed of, and therefore the former printing facility at the Site constitutes a REC.

The historical records reviewed indicated that Lot 72 (4223-4229 Third Avenue) was previously improved with a single-story commercial building. This former building was occupied by a dry cleaning facility identified as 'Hyvee French Cleaners' between at least 1961 and 1980. Dry cleaning activities typically generated hazardous wastes consisting of halogenated solvents such as

tetrachloroethylene (PCE). This former building was razed sometime between 1981 and 1984, and the site was converted into the existing paved, outdoor parking lot. Based on the lack of hazardous waste regulations prior to the 1970s and the length of operation of the former dry cleaners, the historical use of the Site for dry-cleaning purposes constitutes a REC.

Subsurface (Phase II) Site Investigation, 521 East Tremont Avenue, Bronx, New York, AKRF, Inc., August 2019

AKRF conducted a Subsurface (Phase II) Investigation at the Site in July 2019. The scope of work for the investigation included a geophysical survey; the advancement of 6 soil borings with the collection and laboratory analysis of 11 soil samples; the installation of 3 temporary groundwater monitoring wells, with the collection and laboratory analysis of 3 groundwater samples; and the installation of 4 soil vapor samples, with the collection and laboratory analysis of 4 soil vapor samples.

The following is a summary of the findings:

Soil Analytical Results

- Acetone, cis-1,2-dichloroethene (cis-1,2-DCE), methylene chloride, toluene, and total xylenes were detected above the NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) in one or more samples. No other VOCs were detected above UUSCOs and/or Restricted Residential SCOs (RRSCOs).
- Seven polycyclic aromatic hydrocarbons (PAHs) were detected at concentrations exceeding UUSCOs and/or RRSCOs, ranging from 0.40 milligrams per kilogram (mg/kg) to 5.1 mg/kg.
- Four pesticides were detected above the UUSCOs, but below the RRSCOs at concentrations ranging from 0.0077 mg/kg to 0.23 mg/kg.
- Twenty-three metals were detected in the soil samples at concentrations ranging from 0.19 mg/kg to 1,410 mg/kg, above UUSCOs and/or RRSCOs. The following metals were detected at concentrations above RRSCOs: arsenic (maximum concentration of 51.7 mg/kg), barium (maximum concentration of 1,410 mg/kg), lead (maximum concentration of 933 mg/kg), and mercury (maximum concentration of 0.95 mg/kg).

Groundwater Analytical Results

- Eight VOCs were detected above laboratory reporting limits in the groundwater samples at concentrations ranging from 0.50 to 200 micrograms per liter (µg/L). Cis-1,2-DCE, PCE, trichloroethylene (TCE), and vinyl chloride were detected in groundwater sample TW-02_20190710 at concentrations ranging from 14 to 200 µg/L, above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). PCE was also detected in sample TW-05_20190710 above the AWQSGV of 5 µg/L.
- SVOCs, pesticides, and PCBs were not detected above laboratory reporting limits in any groundwater samples.
- Six metals (chromium, iron, lead, magnesium, manganese, and sodium) detected at concentrations above their respective AWQSGVs in the unfiltered (total) metals analysis in groundwater. Four metals (iron, magnesium, manganese, and sodium) were detected at concentrations above their respective AWQSGVs in the filtered (dissolved) metals analysis in groundwater.

Soil Vapor Analytical Results

- VOCs associated with petroleum, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-ethyltoluene, benzene, ethylbenzene, m,p-xylenes, n-heptane, n-hexane, o-xylene, and toluene were detected at individual concentrations up to 180 micrograms per cubic meter (µg/m^3) (toluene detected in sample SV-03_20190712). Solvent-related VOCs, including acetone, PCE, and TCE were detected at individual concentrations up to 1,800 µg/m^3 (acetone detected in sample SV-01_20190710).

Remedial Investigation Report, 521 East Tremont Avenue, Bronx, New York, AKRF, Inc., March 2024

AKRF conducted a Remedial Investigation (RI) at the Site in 2023. The scope of work for the investigation included a geophysical survey; the advancement of 24 soil borings with the collection and laboratory analysis of 71 soil samples; the installation of 7 permanent groundwater monitoring wells, with the collection and laboratory analysis of 7 groundwater samples; and the installation of 14 soil vapor samples, with the collection and laboratory analysis of 5 soil vapor and 9 sub-slab soil vapor samples, and the collection and the laboratory analysis of 3 indoor air samples (co-located with 3 of the sub-slab vapor samples).

The following is a summary of the findings:

Soil Analytical Results

- Acetone was detected in two samples at concentrations up to 0.059 mg/kg above the UUSCO of 0.05 mg/kg, but below the RRSCO of 100 mg/kg. No VOCs were detected above the NYSDEC Protection of Groundwater SCOs (PGWSCOs).
- Ten SVOCs were detected above their respective UUSCOs and RRSCOs at concentrations up to 150 mg/kg (phenanthrene in sample RI-SB-08_2-4_20230221).
- Total PCBs were detected in three samples at concentrations ranging from 0.14 to 0.28 mg/kg above the UUSCO of 0.1 mg/kg, but below the RRSCO of 1 mg/kg.
- The pesticides dieldrin, P,P'-DDD, P,P'-DDE, and P,P'-DDT were detected at concentrations above the UUSCOs, but below the RRSCOs in up to 28 soil samples. Concentrations ranged from 0.0035 to 1.2 mg/kg.
- Arsenic (max. 31.2 mg/kg), barium (max. 2,640 mg/kg), cadmium (24.3 mg/kg), lead (max. 4,180 mg/kg), and mercury (max. 12 mg/kg) were detected above the RRSCOs.
- Concentrations of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were compared to the guidance values for UUSCOs and RRSCOs presented in the April 2023 *NYSDEC Sampling, Analysis and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs*. PFOA was detected above the guidance value for UUSCOs of 0.66 parts per billion (ppb), but below the guidance value for RRSCOs of 33 ppb in four soil samples (plus a blind duplicate). PFOS was detected above the NYSDEC guidance value for UUSCOs of 0.88 ppb, but below the RRSCO guidance value of 44 ppb in 23 soil samples (plus four blind duplicates).

Groundwater Analytical Results

- Chloroform was detected above the AWQSGV in one groundwater sample, and PCE was detected above the AWQSGV in two groundwater samples and the blind duplicate samples (up to 490 µg/L).

- 1,4-Dioxane was detected above the AWQSGV of 0.35 µg/L in one sample, RI-MW-06_20230308, at a concentration of 4.7 µg/L. 2,6-Dinitrotoluene was detected in sample RI-MW-02_20230926 at a concentration of 9.6 µg/L, above the AWQSGV of 5 µg/L.
- PCBs were not detected above laboratory reporting limits in any of the groundwater samples.
- P,P'-DDT was detected in sample RI-MW-02_20230926 at a concentration of 0.017 µg/L, below the AWQSGV of 0.2 µg/L.
- Iron, magnesium, manganese, selenium, and/or sodium were detected above the AWQSGVs in the seven filtered groundwater samples. Thirteen metals were detected in the groundwater samples at low levels below the AWQSGVs.
- PFOA and PFOS were detected above the NYSDEC April 2023 guidance values for human health criteria of 6.7 and 2.7 parts per trillion (ppt), respectively, in all seven groundwater samples. Concentrations ranged from 9.16 to 204 ppt.

Soil Vapor and Indoor Air

- Forty-three of the 76 VOCs analyzed for were detected in the soil vapor samples. Solvent-related VOCs were detected in the soil vapor and sub-slab soil vapor samples at individual concentrations up to 370 µg/m^3 from a diluted analysis (PCE in sample RI-SV-10_20230913). Other VOCs, including compounds typically associated with petroleum, were detected in the sub-slab soil vapor samples at individual concentrations up to 640 µg/m^3 from a diluted analysis (n-hexane in sample RI-SV-03_20230223).
- Twenty-seven of the 76 VOCs analyzed for were detected in one or more indoor air samples. Fourteen VOCs were detected in the ambient air sample (RI-AA-01_20230222). Solvent-related VOCs were detected in the indoor air samples at individual concentrations up to 3,500 µg/m^3 from a diluted analysis (acetone in sample RI-IA-07_20230222). Other VOCs, including compounds typically associated with petroleum, were detected in the indoor air samples at individual concentrations up to 6,500 µg/m^3 from a diluted analysis (n-hexane in sample RI-IA-07_20230222).
- Based on an evaluation of the co-located soil vapor and indoor air samples using the applicable NYSDOH Soil Vapor/Indoor Air Matrices, the recommendation is "no further action."

Remedial Action Work Plan, 521 East Tremont Avenue, Bronx, New York, AKRF, Inc., June 2024

Based on the previous data collected during the Phase II Investigation and RI, AKRF prepared a RAWP summarizing the proposed remedy to achieve a split Track 2/Track 4 Restricted Residential cleanup. The main components of the remedy include demolition of the existing on-site buildings; excavation of soil to a maximum depth of 15 feet below grade in the southern portion of the Site, plus hotspot removal and a 2-foot cut in the northern portion of the Site; removal of any unknown tanks; implementation of a groundwater treatment program to treat PCE in groundwater; installation of an active sub-slab depressurization system (SSDS) below the slab-on-grade portion of the building; and implementation of a HASP and CAMP during all intrusive activities.

NYSDEC approved the RAWP and issued the Decision Document in July 2024.

2.3 Areas of Concern (AOCs)

The following was considered the AOC for the RDI:

- Elevated concentrations of chlorinated volatile organic compounds (CVOCs), including PCE and TCE, were detected in shallow groundwater along the eastern portion of the Site during the RI and Phase II Investigation.

Based on the AOC, a RDI was proposed to delineate the vertical extent of groundwater contamination and to aid the design of a groundwater treatment program for the Site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professionals (QEPs) responsible for preparation of this report are Rebecca Kinal, P.E., Brent O'Dell, P.E., and Deborah Shapiro, QEP.

3.2 Health and Safety

All work described in this report was performed in full compliance with applicable laws and regulations, including Site and Occupational Safety and Health Administration (OSHA) worker safety requirements and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements. The work described in this report was also performed in accordance with a Site-specific HASP submitted to the NYSDEC as Appendix G of the RAWP (June 2024).

4.0 SITE INVESTIGATION ACTIVITIES

The following activities were performed as part of the RDI:

1. Installed three permanent, 2-inch diameter nested groundwater monitoring wells (screened at shallow, intermediate, and deep intervals) with the collection of nine groundwater samples for laboratory analysis to evaluate groundwater quality.
2. Surveyed groundwater monitoring well elevations at the Site to develop Site-specific groundwater contour maps, confirm shallow groundwater flow, and determine deep groundwater flow beneath the Site.
3. Conducted an in-situ chemical oxidation (ISCO) bench-scale laboratory treatability study on soil and groundwater samples collected from the southwestern portion of the Site.

The locations of the groundwater monitoring wells are shown on Figure 2.

4.1 Groundwater Monitoring Well Installation

Between February 24 and 26, 2025, three permanent nested shallow, intermediate, and deep groundwater monitoring wells (RDI-MW-01 through RDI-MW-03) were installed using a Rotosonic drill rig by AARCO Environmental Services (AARCO) of Lindenhurst, New York. To collect groundwater samples from varying depths beneath the Site, each of the nested groundwater wells were installed with three, 2-inch diameter polyvinyl chloride (PVC) well casings at shallow, intermediate, and deep intervals. At each location, the shallow well screen was set at 10 to 20 feet below grade. At monitoring wells RDI-MW-01 and RDI-MW-02, the intermediate screen was set at 35 to 45 feet below grade. At location RDI-MW-03, the intermediate screen was set at 40 to 50 feet below grade. The deep well screen was set immediately above the bedrock surface at 63 to 73 feet, 55 to 65 feet, and 74 to 84 feet, at RDI-MW-01, RDI-MW-02, and RDI-MW-03, respectively.

Groundwater well construction consisted of 10 feet of 0.020-inch slotted PVC well screen and solid PVC riser installed to the ground surface. A No. 2 more sand pack was installed to 2 feet above the well screen. The annular space around the solid well riser was sealed with bentonite and the wells were completed with a non-shrinking cement mixture to approximately 1 foot below sidewalk grade. Each of the wells was finished with a locking j-plug and a protective locking well cover. The groundwater monitoring well locations are shown on Figure 2. Groundwater monitoring well installation logs are provided in Appendix A.

4.2 Groundwater Monitoring Well Development

Immediately following installation, each groundwater monitoring well was developed via pumping and surging with a Waterra pump and dedicated polyethylene tubing to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer. Purge water was monitored with a Horiba U-52 or YSI ProDSS water quality monitor during development. Development continued until turbidity within the well was less than 50 nephelometric turbidity units (NTUs) and until water quality indicators have stabilized to within 10% for pH, temperature, and specific conductivity for three successive readings. Stabilization was not achieved at all wells after several consecutive days of development due to elevated fines within the wells and slow recharge. Well development logs are provided in Appendix A.

4.3 Groundwater Elevation Survey

On March 13, 2025, monitoring wells RDI-MW-01 through RDI-MW-03 were surveyed by Fehringer Surveying, P.C. of Seaford, New York, a New York State-licensed surveyor. Elevation measurements were taken at the surface grade and at the top of each PVC casing at each of the

groundwater monitoring wells. Horizontal and vertical datum was tied to the North American Vertical Datum (NAVD-88).

Based on the groundwater depths and the elevation survey, shallow groundwater flows beneath the Site in a southwesterly direction. A groundwater elevation contour map for shallow groundwater, including a tabulation of the casing elevations and depth to water measurements for the Site, is provided as Figure 3. A cross-sectional view of the nested groundwater monitoring wells is provided on Figure 5. Groundwater elevation data is provided on Table 1.

4.4 Sample Collection and Chemical Analysis

Groundwater has been sampled and evaluated in this report. The sampling performed and presented in this report provides a basis for the evaluation of subsurface Site conditions and potential remedial action with respect to the media sampled.

4.4.1 Groundwater Sampling

On March 13 and 14, 2025, approximately one week after the wells were developed, groundwater samples were collected from the shallow, intermediate, and deep nested monitoring wells at RDI-MW-01 through RDI-MW-03, for a total of nine groundwater samples, in accordance with EPA low-flow sampling protocols. 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 a water interface probe attached to a measuring tape accurate to 0.01 foot. With the exception of the shallow and deep wells at RDI-MW-01 and the shallow well at RDI-MW-02, where groundwater quality parameters did not stabilize, purging of the wells continued until the turbidity of the water decreased below 50 nephelometric turbidity units (NTUs) and groundwater quality parameters stabilized; groundwater samples were collected after two hours of purging at the RDI-MW-01 shallow and deep wells and the RDI-MW-02 shallow well.

All nine groundwater samples were analyzed for CVOCs by EPA Method 8260 using Category B deliverables. For Quality Assurance/Quality Control (QA/QC) purposes, one matrix spike/matrix spike duplicates (MS/MSD), one blind duplicate, one field blank, and one trip blank were submitted with the groundwater samples for chemical analysis. The QA/QC samples were analyzed for the same parameters as the respective groundwater samples. Sample containers were labeled, placed in an ice-filled cooler, and submitted to the laboratory via courier with appropriate chain-of-custody documentation. All analyses were conducted by Eurofins Edison of Edison, New Jersey (Eurofins). Third-party data validation was performed by Jeri Rossi, CEAC, an independent Environmental Chemistry Consultant, and a Data Usability Summary Report (DUSR) was prepared.

Groundwater analytical data is summarized in Table 2. The monitoring well installation, development, and sampling logs are provided in Appendix A. The locations of the groundwater monitoring wells are shown on Figure 2. The DUSR is provided in Appendix B.

4.4.2 Chemical Analysis

Chemical analytical work was performed under a quality assurance program that includes the following:

Table A
Chemical Analytical Program

Factor	Description
Quality Assurance Officer	The chemical analytical QA/QC was directed by Deborah Shapiro, QEP of AKRF.
Third Party Data Validator	The third-party data validation was performed by Jeri Rossi, CEAC, an independent Environmental Chemistry Consultant
Chemical Analytical Laboratory	The chemical analytical laboratory used in this investigation was Eurofins Edison of Edison, New Jersey, a New York State ELAP-certified laboratories.
Chemical Analytical Methods	Groundwater analytical methods: - CVOCs by EPA Method 8260

4.4.3 Quality Assurance/Quality Control (QA/QC) Sampling

QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analyses for this investigation. Field QA/QC procedures were used (1) to document that samples are representative of actual conditions at the Site and (2) to identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results were biased either by interfering compounds in the sample matrix or by laboratory techniques that may have introduced systematic or random errors to the analytical process.

QA/QC samples were analyzed by Eurofins of Edison, New Jersey, an ELAP-certified laboratory. The third-party data validation was performed by Jeri Rossi, CEAC, an independent Environmental Chemistry Consultant and reported in a DUSR. Laboratory analytical data reports are provided in Appendix B.

QA/QC sampling consisted of the following:

- One blind duplicate sample (RDI-MW-X_20250314 collected from RDI-MW-01D_20250314);
- One MS/MSD sample (collected from RDI-MW-02I_20250314);
- One field blank sample (RDI-FB_20250313); and
- One trip blank sample (RDI-TB_20250313).

QA/QC samples were submitted with the collected groundwater samples and analyzed for CVOCs by EPA Method 8260 only.

Third-Party Validation

Samples were extracted, and the analyses were performed within the method required holding times. No data validation qualifiers were required based on holding time.

Groundwater samples were all analyzed undiluted.

The groundwater DUSR indicated the data generated were of acceptable quality, with no modification to the laboratory qualifiers. The DUSR is enclosed in Appendix B.

4.4.4 Management of Investigation-Derived Waste (IDW)

All IDW including soil cuttings and development, purge, and sampling groundwater was containerized in properly labeled Department of Transportation (DOT)-approved 55-gallon drums for future off-site disposal. The drums were sealed at the end of each work day and labeled with the date, the well or boring numbers, the type of waste, and the name of an AKRF point-of-contact. Fourteen drums containing water and five drums containing soil were disposed of by AARCO on April 3, 2025 at Dale Transfer Corp in West Babylon, NY according to applicable local, state, and federal regulations.

The IDW disposal manifest is provided as Appendix C.

4.4.5 Results of Chemical Analyses

Groundwater laboratory data is summarized in Table 2. CVOC concentrations in groundwater above the AWQSGVs are shown on Figures 5 and 6. Laboratory data deliverables for groundwater samples evaluated in this investigation are provided in Appendix B.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

5.1.1 Stratigraphy

Based on borings advanced at the Site, including those sampled during previous investigations, the stratigraphy beneath the Site consists of historic fill comprising sand, silt, gravel, brick, with trace amounts of wood, metal, glass, ash, and ceramic fragments from just below surface grade to approximately 3 to 16 feet below grade. The fill material was underlain by apparent native soil consisting of brown sand, silt, gravel, and clay between approximately 3 and 20 feet below grade. Deeper soil from approximately 20 to 84 feet below grade consisted of clayey silt and fine sand. During the RDI, bedrock was encountered between approximately 65 feet at RDI-MW-02 and 84 feet at RDI-MW-03.

Based on the 2019 geotechnical investigation, alluvial deposits were encountered in two borings located within the northeastern portion of the Site along Third Avenue, and glacial till was encountered in the remainder of the Site at thicknesses of 2 to 27 feet. Significantly weathered gneiss bedrock was encountered below the glacial till and alluvial deposits at depths ranging from 10 to 63 feet below grade. Competent bedrock was deepest in the eastern portion of the Site at depths ranging from 61 to 84 feet below grade, and shallowest in the western portion of the Site at depths ranging from 5 to 20 feet below grade.

5.1.2 Hydrogeology

Based on Site-specific well point measurements, groundwater beneath the Site ranges from elevation 55.73 to elevation 58.93 (NAVD88), or approximately 11.1 to 14.3 feet below street grade across the Site. Groundwater flows beneath the Site in a generally southerly to southwesterly direction. The nearest water body is the Bronx River, located approximately 1 mile southeast of the Site. A groundwater contour map is shown on Figure 3. A geologic cross-section is shown on Figure 4.

5.2 Groundwater Chemistry

Groundwater analysis of CVOCs was conducted by Eurofins of Edison, New Jersey. Sample analytical results were compared to the NYSDEC Class GA AWQSGVs. The Class GA AWQSGVs apply to drinking water standards, although groundwater in the Bronx is not used as a source of potable water. Groundwater sample analytical results for all groundwater samples are included in Table 2. The groundwater laboratory analytical data report is included in Appendix B.

5.2.1 Chlorinated Volatile Organic Compounds (CVOCs) in Groundwater

Six of the 22 CVOCs analyzed for were detected in the groundwater samples above laboratory detection limits at concentrations ranging from 0.51 to 83 µg/L. PCE was detected in the shallow and intermediate wells from RDI-MW-02 and RDI-MW-03 at concentrations ranging from 18 to 83 µg/L, above the Class GA Ambient Water Quality Standard and Guidance Value (AWQSGV) of 5 µg/L; and trichloroethene (TCE, which is a PCE breakdown product) was detected in RDI-MW-03I at 9 µg/L, above the AWQSGV of 5 µg/L. PCE was not detected (RDI-MW-01D) or was below the AWQSGV (RDI-MW-02D and RDI-MW-03D) in the deep wells; however, two PCE breakdown products, cis-1,2-DCE and TCE, were detected in RDI-MW-03D at concentrations of 36 µg/L and 20 µg/L, respectively, above their AWQSGV of 5 µg/L. Lower concentrations (below the ASWQGVs) of PCE breakdown products were also detected in shallow/intermediate wells RDI-MW-02I, RDI-MW-03S, and RDI-MW-031, and deep well RDI-MW-02D. Exceedances of the Class GA AWQSGVs are shown in Table B.

Table B
Groundwater Analytes Detected Above NYSDEC AWQSGVs

Analyte	Sample ID	AWQSGV (µg/L)	Concentration (µg/L)
Cis-1,2-Dichloroethene	RDI-MW-03D_20250313	5	36
PCE	RDI-MW-02S_20250314	5	18
	RDI-MW-02I_20250314		42
	RDI-MW-03S_20250313		36
	RDI-MW-03I_20250313		83
TCE	RDI-MW-03I_20250313	5	9
	RDI-MW-03D_20250313	5	20

Groundwater analytical results for CVOCs are presented in Table 2. CVOC concentrations above the AWQSGVs are shown on Figures 5 and 6.

5.3 Summary and Conclusions

Based on an evaluation of the laboratory analytical data and information collected from the RDI and previous investigations, AWQGVS exceedances for PCE are limited to the shallow and intermediate intervals in the eastern-central portion of the Site, with the highest concentrations in the area of the RDI-MW-03 well cluster (located downgradient from the cis-1,2-DCE soil hotspot). The low permeability of the weathered bedrock along with natural attenuation (as demonstrated by the presence of higher levels of TCE and DCE in monitoring wells RDI-MW-02D and RDI-MW-03D) appears to be limiting downward PCE migration into the deep zone, which sits directly above competent bedrock, at approximately 65 feet and 84 feet below grade, respectively.

Based on these findings, a groundwater treatment program is proposed for shallow groundwater in the northeastern portion of the Site, as noted on Figure 7. Due to the PCE contamination being localized within weathered bedrock, treating deeper groundwater within the weathered bedrock would be very difficult and would not be effective as it will not yield the same Radius of Influence (ROI) as treating shallow and intermediate groundwater within more permeable soil.

6.0 IN-SITU GROUNDWATER TREATMENT PROGRAM

Based on the analytical results of the previous investigations, the groundwater treatment area is approximately 4,500 square feet in the northeastern portion of the Site as shown on Figure 7. To enhance attenuation of the chlorinated solvent-related contamination and address the potential for contaminated groundwater to migrate off-site, an ISCO groundwater treatment program will be implemented. The shallow zone is within the fill/glacial till extending from the water table (approximately 11 to 13 feet) to 25-feet below ground surface (bgs); and the intermediate and deep zones are in the weathered bedrock layer, extending from 25 feet bgs to approximately 50 feet bgs (depending on depth to bedrock) and 50 feet bgs down to the competent bedrock surface, respectively. Groundwater flows in a generally southerly to southeasterly direction beneath the Site. The shallow and intermediate groundwater treatment zones were determined based on monitoring well locations with PCE concentrations above the NYSDEC AWQSGVs.. The deep zone has detections of PCE daughter byproducts (such as cis-1,2-DCE and TCE) but PCE levels are below the ASQGVS, indicating natural degradation is preventing significant downward migration of elevated PCE concentrations. Therefore, only the shallow and intermediate zones will be targeted for ISCO injections, with monitoring natural attenuation (MNA) used to address the deep zone.

The unconsolidated soil (fill material/glacial till) thickness across the proposed treatment area, varies from 14 feet to 25 feet where equipment refusal was encountered during previous investigations. Geoprobe direct-push probe refusal occurs at that depth moving west to east. Approximately half of the treatment area has an unconsolidated soil thickness less than 20 feet bgs, before weathered bedrock is encountered. Temporary direct injection points will be advanced to a maximum depth of 25 feet or to refusal on weathered bedrock, whichever is shallower, across the entire groundwater treatment area.

As described in the NYSDEC-approved RAWP, an approximately 25-foot by 25-foot hotspot will be excavated in the northeastern portion of the Site due to elevated concentrations of cis-1,2-DCE, within the proposed groundwater treatment area.

6.1 Remediation Summary

The proposed ISCO program includes

- Direct injection event(s) of Sodium Permanganate (PERM) in the shallow zone across the entire treatment area shown on Figure 7, which will be implemented via temporary injection points prior to construction of the new building, and
- Potential additional PERM injection(s) in both the shallow and intermediate zones, which would be implemented via a contingency permanent injection system intended for use after the direct injection program, and after completion of building construction.

The groundwater treatment program will be focused in the shallow and intermediate zones, with groundwater contamination in the deep zone addressed by natural attenuation. The groundwater treatment program will be conducted in accordance with all federal, state, and local laws and guidelines, including proper notification of relevant governmental and regulatory agencies. Groundwater treatment design drawings are included as Appendix D. Conceptual layout and standard design details are further discussed below.

As a contingency, permanent injection wells will be installed beneath the building slab to treat groundwater if additional injection events are required after building construction, based on the post-remedial groundwater concentrations. The permanent injection wells will be installed down to 15 feet or bedrock (whichever is encountered first), except for the 10 southeasternmost wells (See ENV-100 in Appendix D), which will be installed as nested wells and screened in the intermediate zone. Refer to Sections 6.3.1 and 6.3.2 for additional details.

6.2 In-Situ Chemical Oxidation (ISCO) Bench-Scale Laboratory Treatability Study

A Bench-Scale Treatability Study was performed by In-Situ Oxidative Technologies, Inc. (ISOTEC) of Lawrenceville, New Jersey to evaluate the effectiveness of the oxidant mix required to oxidize CVOCs in shallow groundwater from the Site. Groundwater and soil samples were collected from the proposed treatment area and analyzed by ISOTEC under various dosages of three primary reagents: modified Fenton's reagent (MFR), PERM, and sodium persulfate activated by a base and carbohydrate (CHASP).

AKRF collected one groundwater sample from RI-MW-06 and one soil sample from RDI-SB-03 on February 24, 2025, for use in the treatability study. Prior to the start of the experiments, soils contained in multiple Ziploc bags were composited into a single batch. Then, a portion of the composite soil along with a portion of groundwater was collected and submitted for initial characterization analyses. The remaining soils and groundwater were used during the treatability study. Three different dosages for each reagent were tested: low [0.5 grams/kilogram (g/kg)], medium (1.0 g/kg), and high (2.5 g/kg). A control sample was prepared from the remaining soil. All three proportions were tested for each reagent listed above.

Parameters analyzed in the initial characterization included VOCs, total organic carbon (TOC), iron, and manganese. The remaining soil was mixed with the groundwater to generate a slurry, which was used to test low (0.5 g/kg), medium (1.0 g/kg), and high (2.5 g/kg) doses of the three reagents over seven days. All experiments were conducted using 1:1 slurry samples (mixtures of soil and water at a soil-to-water ratio of 1-to-1 by weight). Upon completion of the experiment, the slurry contents were separated into aqueous and solid phases and each analyzed for VOCs. Based on VOCs remaining after treatment, the most effective oxidant for treatment of groundwater and soils was selected.

All three oxidants were determined to be effective at treating the samples for VOCs from the Site. However, MFR and PERM (>99%) produced far superior results when compared to CHASP. See Table C.

Table C
PCE Mass Reduction Summary

	MFR	CHASP	PERM
Low Dose (0.5 g/kg)	47.9%	Increase	>99.99%
Medium Dose (1 g/kg)	73.64%	Increase	>99.99%
High Dose (2.5 g/kg)	>99.99%	21.8%	>99.99%
Reagent Consumption	100%	50-83%	59-75%

Note: PCE mass reductions were based on comparison to control sample results.

Based on PCE mass removed per unit of oxidant consumed, the optimal doses were determined to be: 1.0 g/kg at a Total Oxidant Demand (TOD) of 1 g/kg for MFR; 0.5 g/kg at a TOD of 0.44 g/kg for PERM, and greater than 2.5 g/kg at a TOD of 2.09 g/kg for CHASP. Due to PERM being more effective than the other two reagents, PERM has been selected for use in treating groundwater at the Site. The treatability study is enclosed in Appendix E.

6.3 In-Situ Groundwater Treatment Program

6.3.1 Temporary Wellpoint Injections

Based on the results of the Bench-Scale Treatability Study, one to two temporary direct injection events will be implemented in the approximately 4,500-square foot area of shallow zone groundwater to 25 feet below grade or refusal on weathered bedrock

(whichever is encountered first). The proposed treatment area is shown on Figure 7. It is estimated that 20 direct-injection points will be installed within the treatment area. The Radius of Influence (ROI) for each direct-injection point is anticipated to be approximately 10 to 15 feet, with overlap in areas depending on field conditions. Spacing may be adjusted based on the data and observations made during the field activities. The interval to be targeted extends from the groundwater table at approximately 15 feet to the weathered bedrock surface or 25 feet deep (whichever is shallower). It is estimated that approximately 15,000 pounds of sodium permanganate will be required to treat the area. Typically delivered at 40% solution, the reagent will be diluted to an approximately 3.5 to 4% solution to evenly distribute the reagent across the treatment area.

The treatment program will also include the installation of three temporary monitoring wells (refer to Figure 7) to be installed prior to construction to obtain post-injection groundwater data, and also to obtain additional groundwater data for the design of the contingency permanent injection system. Temporary monitoring wells will be single screened at 25 to 35 feet bgs, 35 to 45 feet bgs, and 40 to 50 feet bgs to obtain data from the shallow, intermediate, and alternate intermediate treatment zone depths. Based on the temporary well sample results, the second round of injections (if required) and screened intervals for the permanent injection wells will be determined.

If required, the second temporary injection event will be conducted using the same procedures as the initial event, unless groundwater sampling data warrants modifications. If an additional injection event is deemed necessary but cannot be completed using temporary injection points, the contingency permanent injection system will allow for additional injection events after building construction.

6.3.2 Contingent Permanent Groundwater Treatment System

A permanent contingent groundwater treatment system is included in this design to allow for future injection events under the Site Management Plan. The contingent system would consist of 2-inch diameter permanent injection wells installed beneath the building slab within the treatment area. The permanent system will be installed below grade, to minimize disturbance to the Site. The wells will be grouped in rows of 4 to 6 injection wells connected by 1-inch tubing/piping leading to a vault. The vault will be located in an accessible area with a flush-mounted access cover and located in the southeastern corner of the proposed parking lot.

Ten of the injection points will comprise single screened injection wells, installed to a depth of approximately 25-feet below grade with 10-foot screens to inject within the shallow treatment zone. The remaining ten injection points will comprise 6 base scope double-nested injection wells, and four add/alternate contingency double-nested injection wells. The decision to install the four add/alternate injection well clusters will be made in consultation with NYSDEC and based on the results from groundwater monitoring conducted following the initial injection event.

The double-nested injection points will comprise shallow 2-inch Schedule 40 PVC screened from 15-feet to 25-feet and a second 2-inch Schedule 40 PVC screen at 25 to 35 feet, or 40 to 50 feet (with the determination on the intermediate treatment zone at each cluster location depending upon post-injection groundwater sampling results). Well screen depths may be adjusted following the temporary injection event. Appendix D provides more details for the contingent treatment system.

6.3.3 Post-Remedial Groundwater Monitoring Well Installation

Four permanent triple-nested groundwater monitoring well clusters will be installed using a Rotosonic drill rig at upgradient, cross-gradient, and downgradient locations relative to the groundwater treatment area, to assess performance of the groundwater treatment program. To collect groundwater samples from varying depths beneath the Site, each of the post-remedial groundwater monitoring wells will be installed with three, 2-inch diameter Schedule 40 PVC well casings and screened at shallow, intermediate, and deep intervals. At each location, the shallow well screen will be set at 15 to 25 feet, the intermediate screen at 25 to 35 feet, and the deep well screened from 40 to 50 feet. Monitoring well screens will consist of 10 feet of 0.020-inch slotted Schedule 40 PVC well screen. A No. 2 Morie sand pack will be installed to 2 feet above the well screen. The annular space around the solid well riser will be sealed with bentonite and the wells will be completed with a non-shrinking cement mixture to approximately 1 foot below ground surface. The groundwater monitoring well locations are shown on Figure 7.

The wells will be completed with a locking j-plug and protective steel casing. A flush-mount well cover will be installed once the concrete slab or exterior parking lot pavement is installed around the wells. Development water will be monitored until turbidity within each well is less than 50 NTUs for three successive readings and water quality indicators have stabilized to within 10% for pH, temperature, and specific conductivity for three successive readings.

Development groundwater will be containerized in properly labeled DOT-approved 55-gallon drums for future off-site disposal at a permitted facility. Soil cuttings may remain on-site within the respective disposal grid, unless noticeably contaminated. The wells will be surveyed by a licensed surveyor to determine accurate depth to groundwater and flow direction.

6.4 Post-Remedial Groundwater Sampling

The post-remedial well locations are shown on Figure 7. These 12 wells will be used for a monitoring well network to monitor CVOC concentrations in groundwater after the groundwater treatment program is complete.

Approximately12 weeks after the ISCO event(s), groundwater samples will be collected from the 12 post-remedial groundwater monitoring wells identified on Figure 7, and placed in laboratory-supplied containers. A second post-remedial groundwater sampling event will occur six months post-injection. The samples will be submitted to Eurofins of Edison, New Jersey, for analysis of CVOCs by EPA Method 8260 and manganese and sodium on an as-needed basis by EPA Method 6020B using Category B deliverables. One blind duplicate, one field blank, one trip blank, and one MS/MSD sample will be collected for QA/QC purposes. The QA/QC samples will also be analyzed for CVOCs. The groundwater data will be reviewed by a third-party validator and a DUSR will be prepared to document the usability and validity of the data. Additional rounds of post-remedial groundwater sampling may be conducted under a Site Management Plan (SMP); however, the two rounds of post-remedial groundwater sampling mentioned will be performed prior to the receipt of the Certificate of Completion (CoC). Post-remedial groundwater sampling may be conducted on a quarterly basis for one year after issuance of the CoC until it is determined that CVOC concentrations meet the NYSDEC Class GA AWQSGVs, or until otherwise approved by NYSDEC and NYSDOH.

The groundwater analytical results will be reported to NYSDEC in a brief letter report, which will include a summary of the ISCO treatment event, laboratory analytical results and a comparison to

the baseline groundwater analytical results, and recommendations for additional groundwater treatment, if necessary.

7.0 SUB-SLAB DEPRESSURIZATION (SSDS) DESIGN

In accordance with the NYSDEC-approved RAWP and the Decision Document, an active SSDS will be installed below the slab-on-grade portion of the new building foundation to mitigate the potential for sub-slab vapor intrusion. The design elements of the active SSDS consist of the following:

- 0.02-inch slotted and solid, 4-inch diameter Schedule 40 PVC pipe lengths beneath the building slab (slab-on-grade portion);
- A pipe manifold, which combines the PVC pipe sections into a 6-inch galvanized streel riser pipe;
- A riser pipe, which extends from the manifold to the roof of the building;
- A roof-mounted blower with a shut-off alarm connected to a local alarm panel installed in the building;
- One galvanized steel rooftop exhaust stack fitted with a rain cap, terminating at least 10 feet above the finished roof;
- Communication and pipe sleeves through concrete foundation elements;
- A minimum 6-inch thick gas-permeable aggregate stratum underlain by a non-woven geotextile fabric beneath the entire SSDS treatment area;
- Condensate drains, as necessary;
- Three vacuum monitoring points (VMPs) installed beneath the building slab;
- Accessories, including: cleanouts, sample ports, vacuum indicators/pressure gauges, flow meters, butterfly valves, and differential pressure switches; and
- A control panel equipped with a telemetry system to notify select personnel of alarm conditions.

The SSDS design drawings are provided in Appendix D.

8.0 GREEN REMEDIATION STRATEGY

As required by the RAWP, this RDR includes an evaluation of the selected remedy with respect to green and sustainable remediation principles via an environmental footprint analysis (EFA) and climate vulnerability analysis (CVA).

8.1 Environmental Footprint Analysis

An EFA was prepared by AKRF, consistent with NYSDEC guidelines, the methodologies used in the Environmental Protection Agency (EPA) Spreadsheets for Environmental Footprint Analysis (SEFA) tool, and the requirements of the Climate Leadership and Community Protection Act (CLCPA). The EFA also compared projected waste generation and emissions for a Track 1 cleanup and the selected remedy (split Track 2/4 cleanup). Based on assumptions regarding anticipated quantity of material to be removed from the Site, on- and off-site fuel usage, and waste generated, it is expected that a split Track 2/4 cleanup will produce significantly lower greenhouse gases (GHGs), compared to a Track 1 cleanup, which would require deeper soil excavation down to bedrock site-wide. The EFA and associated calculations are provided in Appendix F.

8.2 Climate Vulnerability Analysis

A CVA was prepared by AKRF and focuses on the risks associated with the construction and operation of the primary components of the remedy: excavation and disposal of contaminated soil, import of clean backfill material, ISCO groundwater treatment, and installation of an active SSDS. According to projections for increases in annual mean temperatures, the Site is anticipated to experience increased temperatures between 4.2 degrees Fahrenheit and 13.5 degrees Fahrenheit by the end of the century. The remedy would not be affected by the project increase or urban heat island effect. Therefore, no further assessment of heat impacts is warranted.

The Site currently does not experience nuisance flooding (with flood levels greater than 4 inches) or deep and continuous flooding (with flood levels greater than 1 foot). Erosion and sediment controls that will be implemented during construction are expected to be resilient against the current rainfall levels of approximately 2 inches per hour. The remedy is not likely to be affected by increased future projected precipitation levels.

The Site is not currently located with the 1-in-100 or the 1-in-500 coastal storm surge levels and the remedy is not likely to be affected by projected increases in sea level rise. The complete CVA is provided in Appendix F.

8.3 Environmental Footprint Tracking

The environmental footprint for the remedial excavation, groundwater treatment, and SSDS installation will be monitored during the remedial program by tracking wastes generated on-site, energy and water usage, and fuel emissions. The environmental footprint tracking data for the remediation program will be documented in the Final Engineering Report (FER).

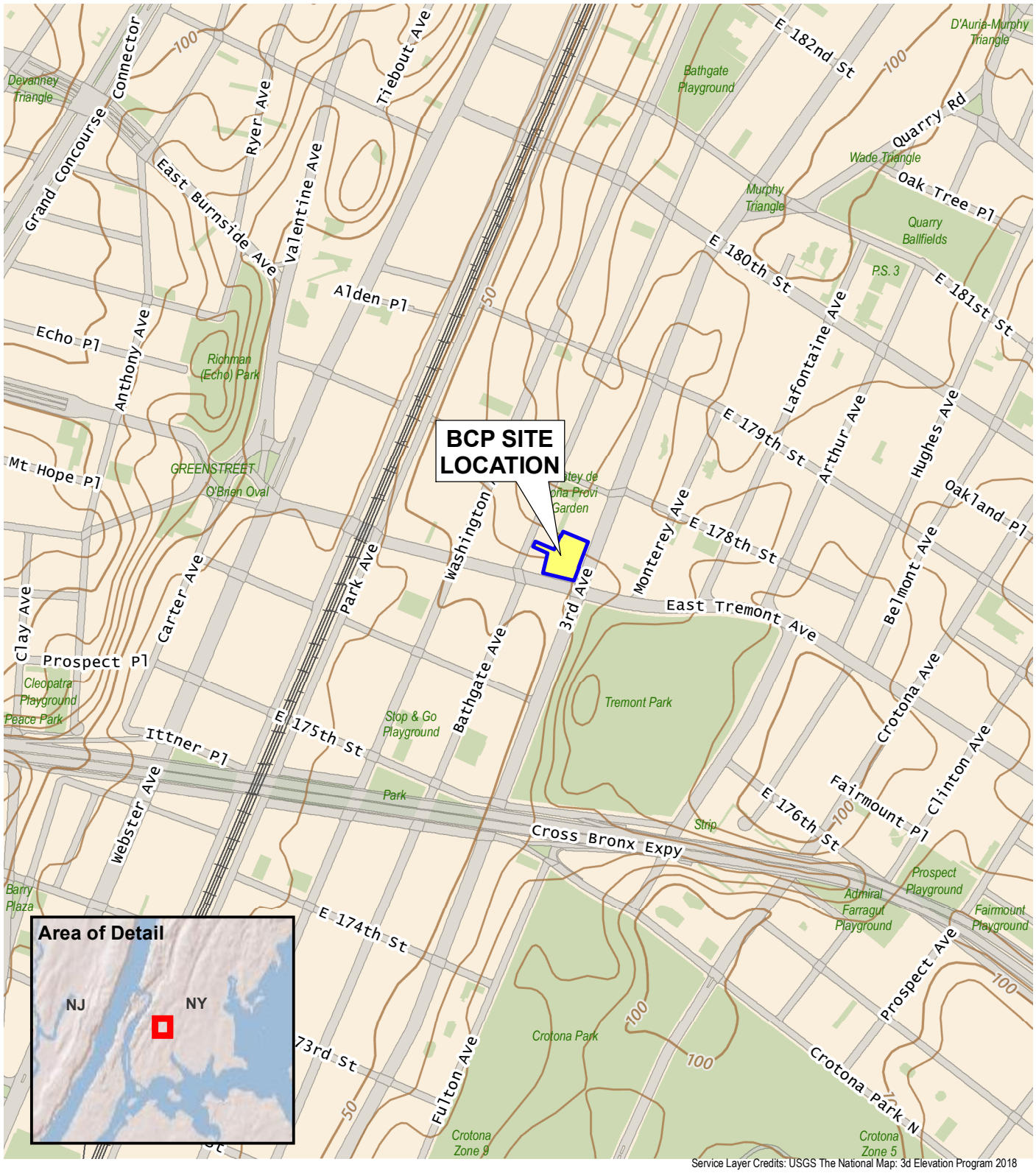
9.0 SCHEDULE

The proposed project schedule is provided in Table D below. All potential timelines are subject to change based on lead times for material/equipment procurement and required permits, etc.

Table D
Proposed Project Schedule

Activity	Time To Complete
Remedial Design Report Submitted to NYSDEC	June 2025
Building Demolition	June-July 2025
NYSDEC Approves Remedial Design Report	July 2025
Issue Remedial/Construction Notice Fact Sheet	August 2025
Begin Redevelopment (Construction) with Implementation of RAWP	September 2025
Submit Draft Environmental Easement	May 2026
Execution of Environmental Easement	July/August 2026
Draft SMP Submitted to NYSDEC	August 2026
Remedial Activities Completed	By September 30, 2026
Draft FER Submitted to NYSDEC	October 2026
Certificate of Completion and Fact Sheet	December 2026

FIGURES



©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDIR\190204 Fig 1 site loc map.mxd 5/22/2025 8:15:10 AM mvelleux

akrf
440 Park Avenue South, New York, NY 10016

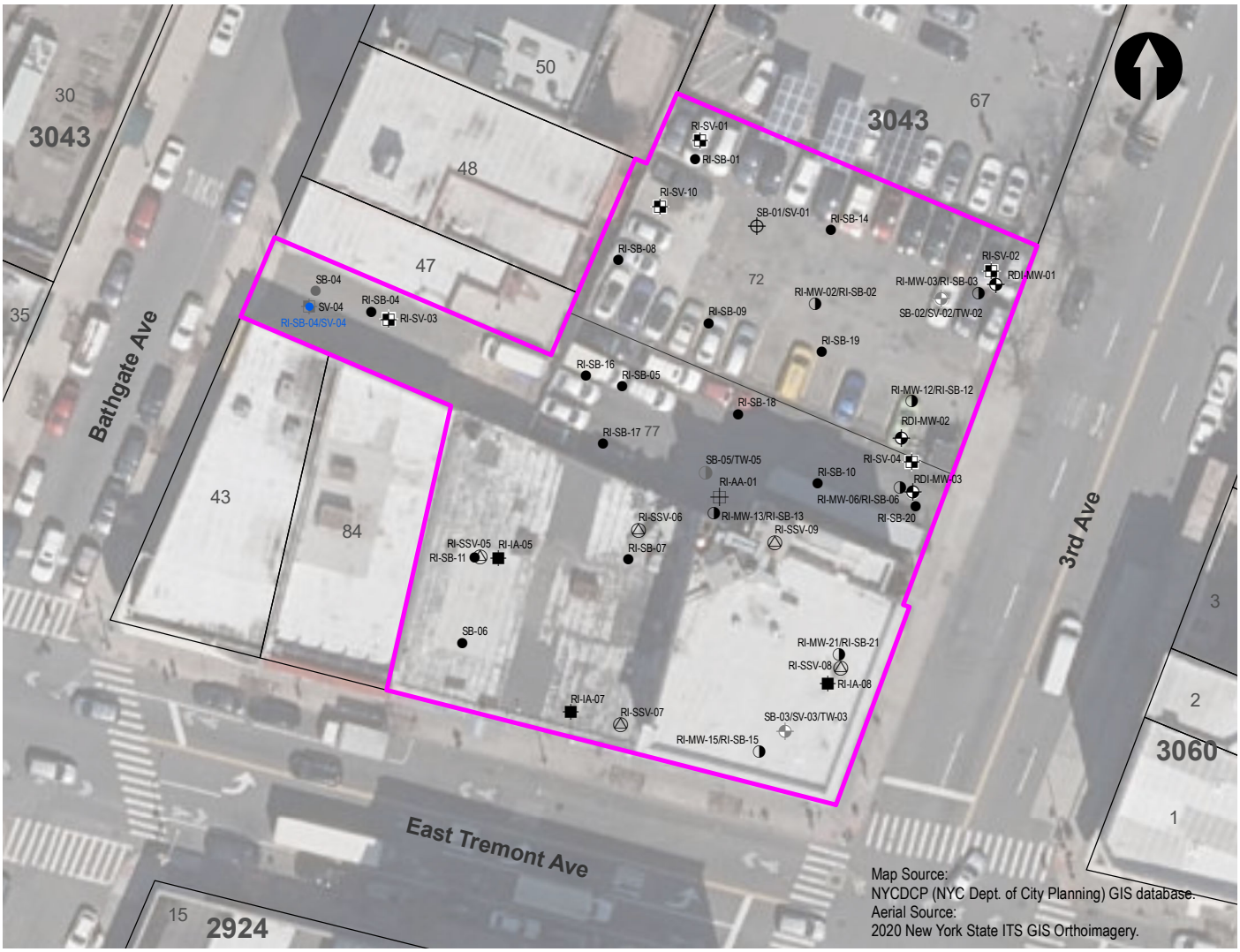
521 East Tremont Avenue
Bronx, New York

SITE LOCATION

DATE
5/22/2025

PROJECT NO.
190204

FIGURE
1



LEGEND

- PROJECT SITE BOUNDARY
- 77 — LOT BOUNDARY AND TAX LOT NUMBER
- 3043 — BLOCK NUMBER
- SUBSURFACE INVESTIGATION SOIL BORING LOCATION (JULY 2019)
- SUBSURFACE INVESTIGATION SOIL BORING LOCATION/SOIL VAPOR LOCATION (JULY 2019)
- SUBSURFACE INVESTIGATION SOIL BORING LOCATION/TEMPORARY WELL/SOIL VAPOR LOCATION (JULY 2019)
- SUBSURFACE INVESTIGATION SOIL BORING LOCATION/TEMPORARY WELL LOCATION (JULY 2019)
- SUBSURFACE INVESTIGATION SOIL VAPOR LOCATION (JULY 2019)
- RI AMBIENT AIR SAMPLE LOCATION (FEBRUARY 2023)
- RI INDOOR AIR SAMPLE LOCATION (FEBRUARY 2023)
- RI MONITORING WELL/RI SOIL BORING LOCATION (FEBRUARY/SEPTEMBER/NOVEMBER 2023)
- RI SOIL BORING LOCATION (FEBRUARY/SEPTEMBER 2023)
- RI SUB-SLAB SOIL VAPOR POINT LOCATION (FEBRUARY/SEPTEMBER 2023)
- RI SOIL VAPOR POINT LOCATION (FEBRUARY/SEPTEMBER 2023)
- REMEDIAL DESIGN INVESTIGATION MONITORING WELL LOCATION (FEBRUARY 2025)
- RI SOIL BORING LOCATION/SOIL VAPOR LOCATION (SEPTEMBER 2023)

0 50 100
SCALE IN FEET

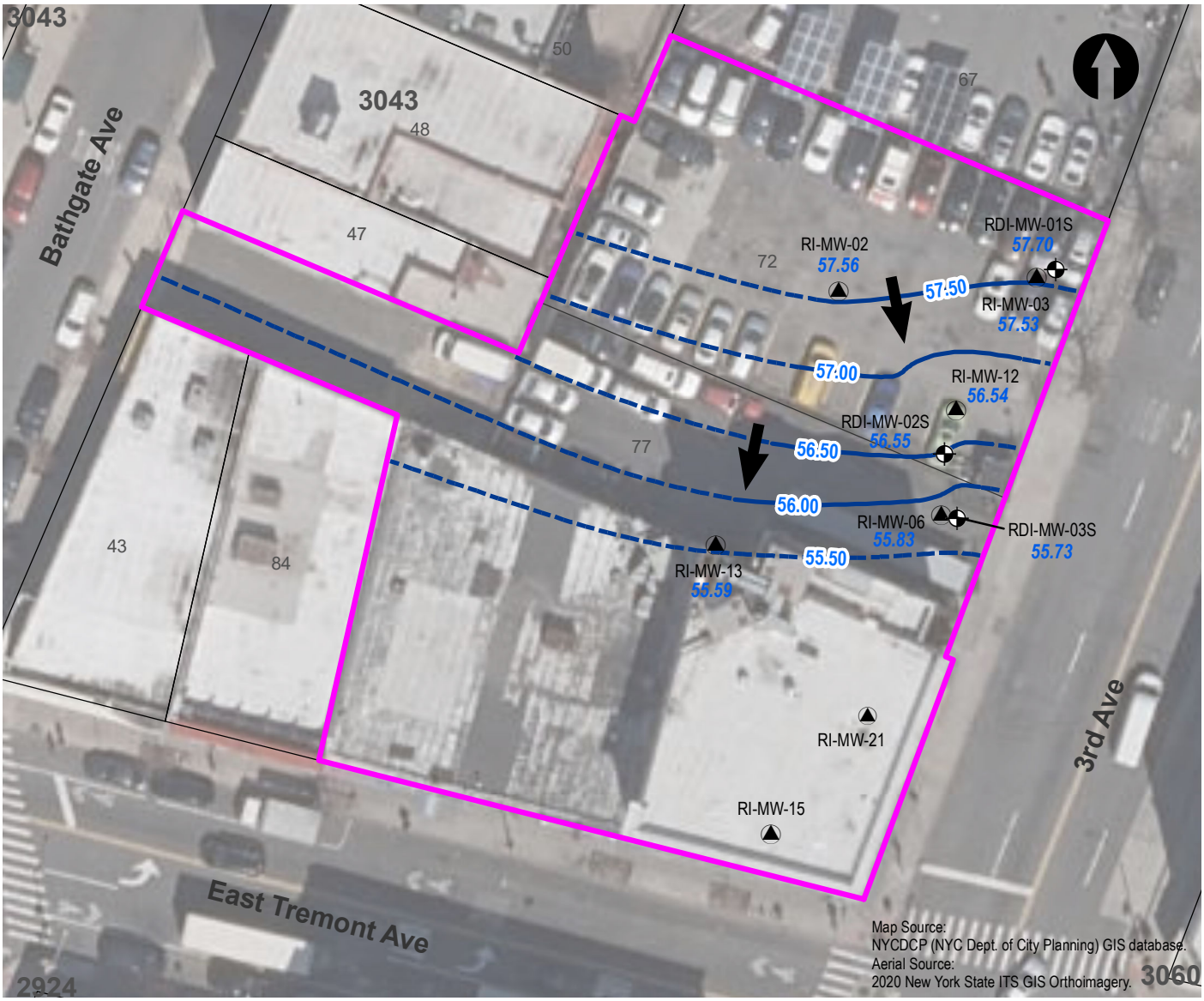
akrf
440 Park Avenue South, New York, NY 10016

521 East Tremont Avenue
Bronx, New York

SITE AND SAMPLE LOCATION PLAN

DATE **5/29/2025**
PROJECT NO. **190204**
FIGURE **2**

©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDIR\190204 Fig 2 Site and Sample Location Plan.mxd 5/29/2025 8:30:50 AM mvelleux



LEGEND

- BCP SITE BOUNDARY
- 77 — LOT BOUNDARY AND TAX LOT NUMBER
- 3043 — BLOCK NUMBER
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
- REMEDIAL DESIGN INVESTIGATION MONITORING WELL LOCATION
- RI MONITORING WELL LOCATION
- 57.56 — GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION

NOTE: RI-MW-15 AND RI-MW-21 WERE INACCESSIBLE DURING THE WELL GAUGING EVENT IN MARCH 2025.

Well ID	Top of Casing Elevation (ft.)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (ft.)
RI-MW-02	71.36	13.8	57.56
RI-MW-03	70.03	12.5	57.53
RI-MW-06	69.28	13.45	55.83
RI-MW-12	69.76	13.22	56.54
RI-MW-13	69.3	13.71	55.59
RDI-MW-01S	69.39	11.69	57.7
RDI-MW-02S	69.5	12.95	56.55
RDI-MW-03S	68.86	13.13	55.73

Notes:
ft. = feet
TOC = top of casing
Elevation = feet above mean sea level based on the North American Vertical Datum of 1988 (NAVD88).

0 40 80
SCALE IN FEET

akrf
440 Park Avenue South, New York, NY 10016

521 East Tremont Avenue
Bronx, New York

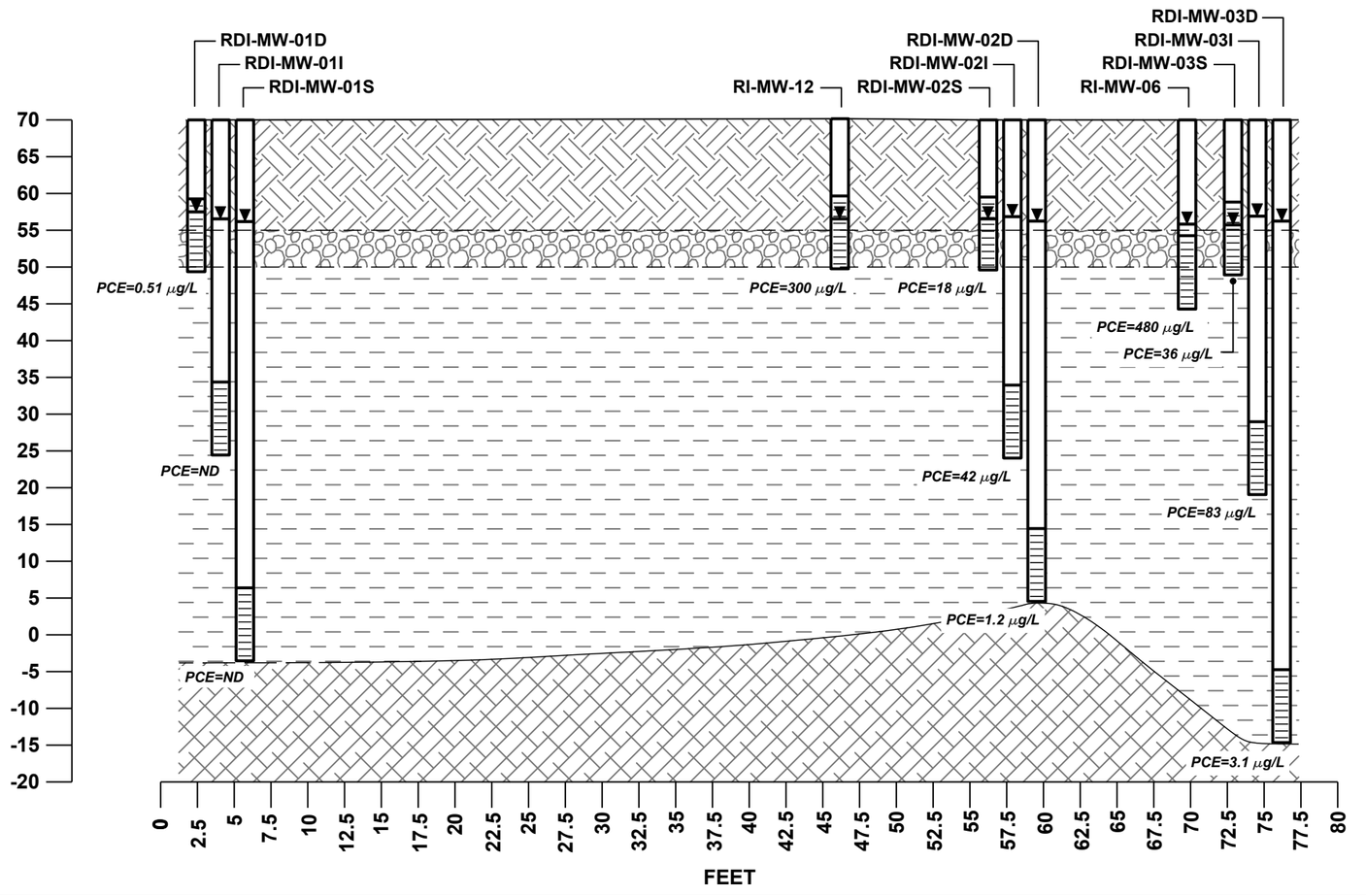
SHALLOW GROUNDWATER CONTOUR MAP
MARCH 2025

DATE
5/29/2025
PROJECT NO.
190204
FIGURE
3

©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDI\190204 Fig. 3 - Shallow Groundwater Contour Map – March 2025.mxd 5/29/2025 9:01:04 AM mvelleux

©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\RDIR\190204 Fig 4 Cross-Sectional View of Nested Groundwater Monitoring Wells.dwg last save: mveilleux 6/6/2025 10:50 AM

A CROSS SECTION A-A' FROM RDI-MW-01S TO RDI-MW-03D A'





KEY MAP
Scale: 1" = 100'

LEGEND

- SCREEN INTERVAL
- WATER TABLE
- FILL
- SAND, SILT, AND GRAVEL
- CLAYEY SILT AND SAND (WEATHERED ROCK)
- BEDROCK
- *ND* NOT DETECTED
- *µg/L* MICROGRAMS PER LITER

0 10 20 40
VERTICAL SCALE IN FEET

0 5 10 20
HORIZONTAL SCALE IN FEET

akrf
440 Park Avenue South, New York, NY 10016

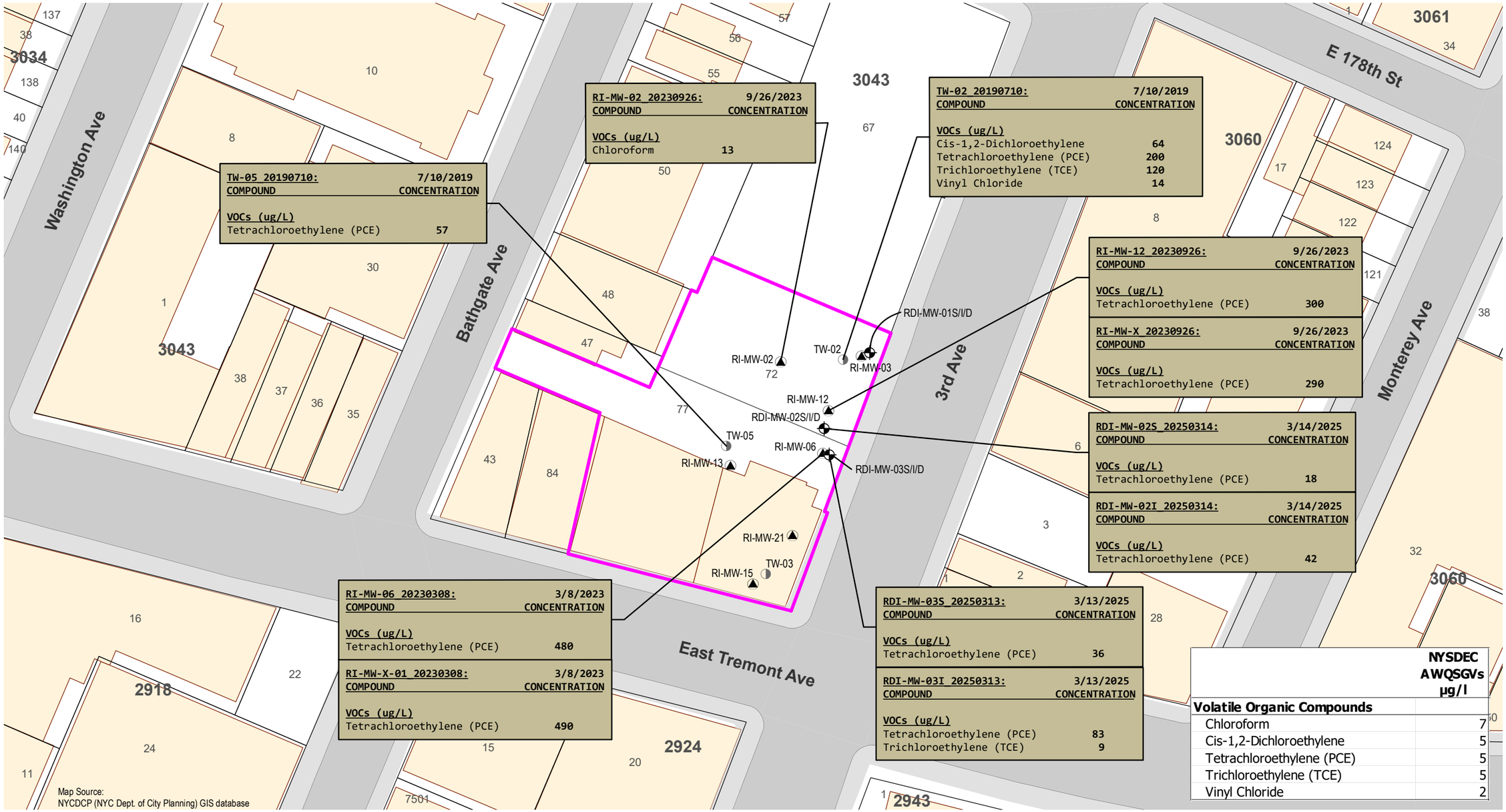
521 East Tremont Avenue
Bronx, New York

CROSS-SECTIONAL VIEW OF NESTED GROUNDWATER MONITORING WELLS

DATE
6/6/2025

PROJECT NO.
190204

FIGURE
4



Volatile Organic Compounds	NYSDEC AWQSGVs µg/l
Chloroform	7
Cis-1,2-Dichloroethylene	5
Tetrachloroethylene (PCE)	5
Trichloroethylene (TCE)	5
Vinyl Chloride	2

LEGEND

- BCP SITE BOUNDARY
- 77 — LOT BOUNDARY AND TAX LOT NUMBER
- 3043 — BLOCK NUMBER
- BUILDING
- RI MONITORING WELL LOCATION
- PHASE II TEMPORARY WELL LOCATION
- REMEDIAL DESIGN INVESTIGATION MONITORING WELL LOCATION

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

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

Exceedances of NYSDEC AWQSGVs are shown in bold font.

Sample ID — Sample Date

TW-05 20190710: 7/10/2019
COMPOUND CONCENTRATION
VOCs (ug/L)
Tetrachloroethylene (PCE) 57

Analyte/Compound — Concentration

0 30 60 120
SCALE IN FEET

akrf
440 Park Avenue South, New York, NY 10016

CHLORINATED VOC CONCENTRATIONS IN SHALLOW AND INTERMEDIATE GROUNDWATER SAMPLES ABOVE NYSDEC AWQSGVS

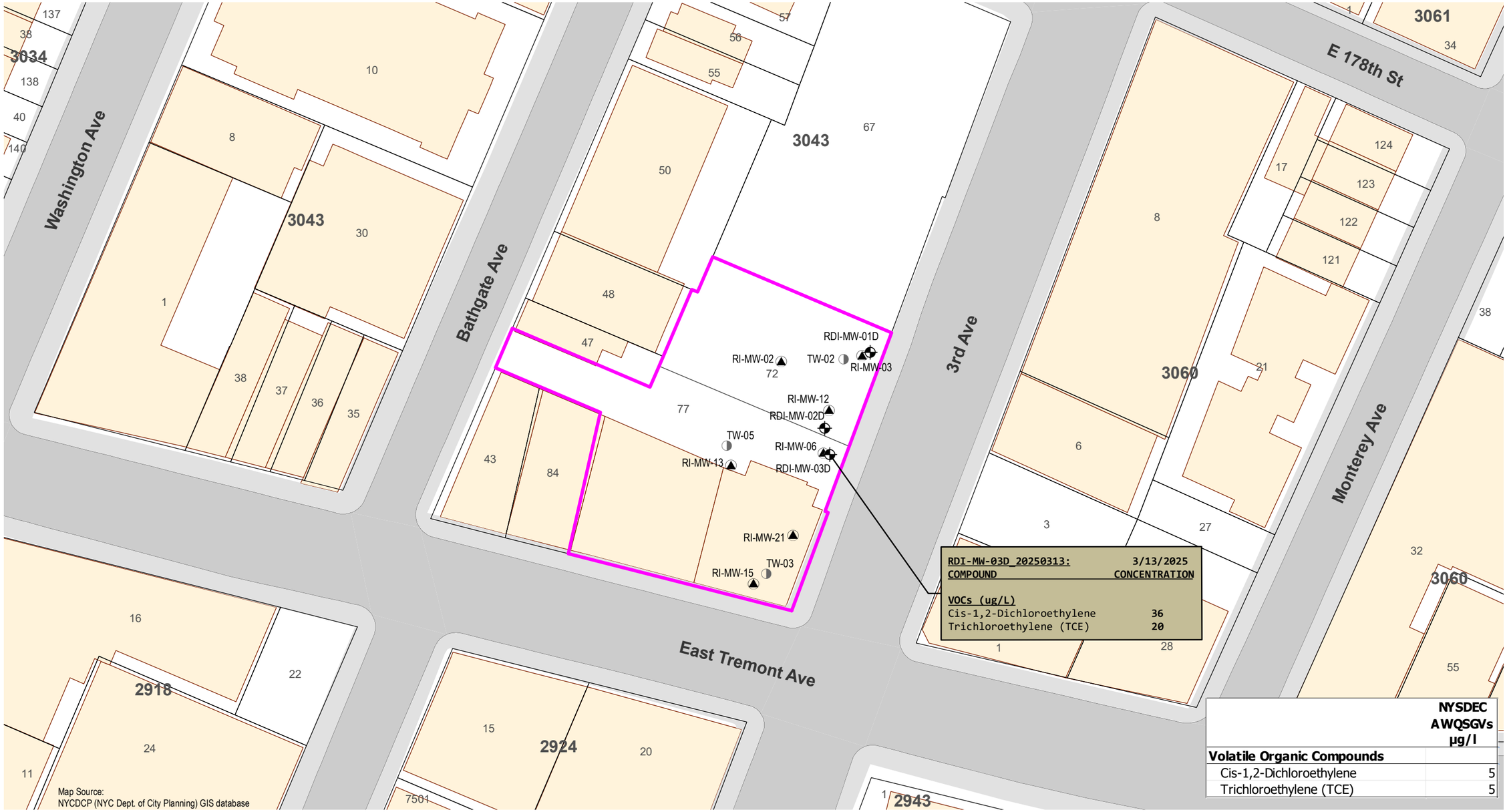
521 East Tremont Avenue
Bronx, New York

DATE
6/5/2025

PROJECT NO.
190204

FIGURE
5

©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDIR190204 Fig 5 - Chlorinated VOC Concentrations in Shallow and Intermediate Groundwater Samples.mxd 6/5/2025 4:45:40 PM mvelleux



	NYSDEC AWQSGVs µg/l
Volatile Organic Compounds	
Cis-1,2-Dichloroethylene	5
Trichloroethylene (TCE)	5

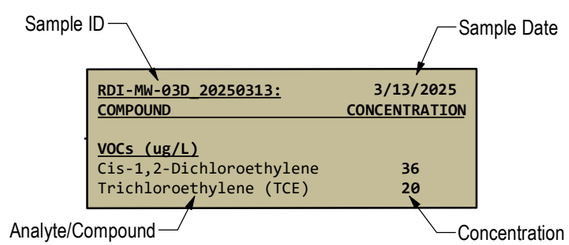
LEGEND

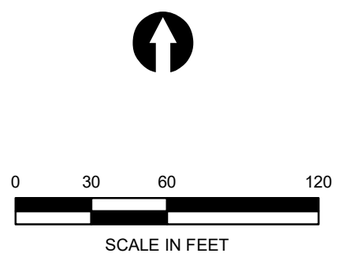
- BCP SITE BOUNDARY
- 77 — LOT BOUNDARY AND TAX LOT NUMBER
- 3043 — BLOCK NUMBER
- BUILDING
- RI MONITORING WELL LOCATION
- PHASE II TEMPORARY WELL LOCATION
- REMEDIAL DESIGN INVESTIGATION MONITORING WELL LOCATION

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

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

Exceedances of NYSDEC AWQSGVs are shown in bold font.





akrf
440 Park Avenue South, New York, NY 10016

521 East Tremont Avenue
Bronx, New York

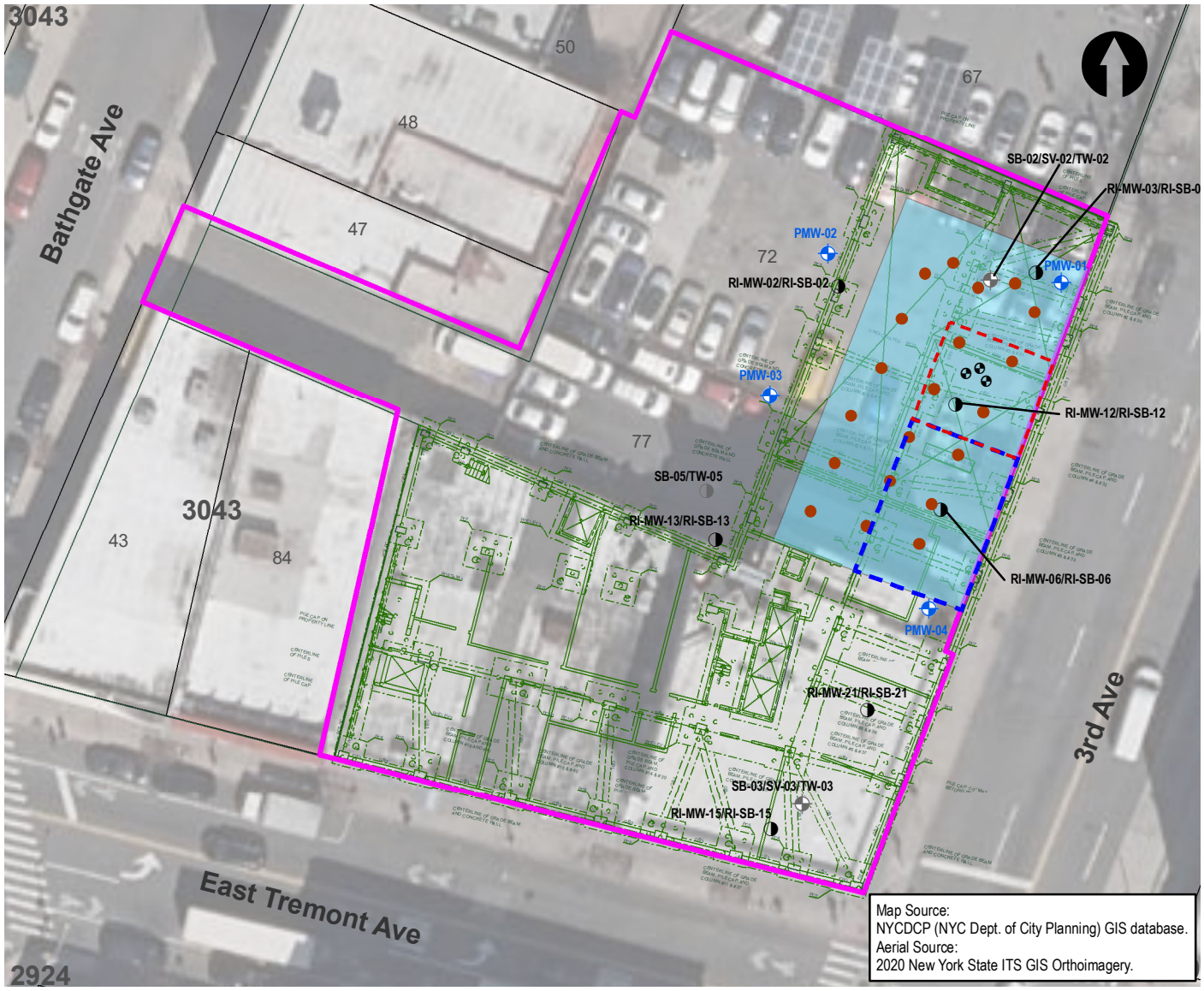
CHLORINATED VOC CONCENTRATIONS IN DEEP GROUNDWATER SAMPLES ABOVE NYSDEC AWQSGVS

DATE
5/29/2025

PROJECT NO.
190204

FIGURE
6

©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDI\190204 Fig 6 - Chlorinated VOC Concentrations in Deep Groundwater Samples.mxd 5/29/2025 9:04:25 AM mveilleux



LEGEND

- BCP SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- 77 — BLOCK NUMBER
- 3043 — PHASE II SOIL BORING LOCATION/TEMPORARY WELL/SOIL VAPOR LOCATION (JULY 2019)
- PHASE II SOIL BORING LOCATION/TEMPORARY WELL LOCATION (JULY 2019)
- RI MONITORING WELL/RI SOIL BORING LOCATION (FEBRUARY/SEPTEMBER/NOVEMBER 2023)
- PROPOSED TEMPORARY WELL LOCATION
- PROPOSED TEMPORARY INJECTION POINT
- PROPOSED POST-REMEDIAL MONITORING WELL LOCATION
- APPROXIMATE EXTENT OF SHALLOW ZONE GROUNDWATER TREATMENT AREA
- PROPOSED EXTENT OF CONTINGENCY INTERMEDIATE TREATMENT AREA (BASE)
- PROPOSED EXTENT OF CONTINGENCY (ADD ALTERNATE) INTERMEDIATE TREATMENT AREA

NOTE: SEE APPENDIX D FOR INJECTION POINT LAYOUT FOR CONTINGENCY TREATMENT.

0 40 80
SCALE IN FEET

akrf
440 Park Avenue South, New York, NY 10016

521 East Tremont Avenue
Bronx, New York

PROPOSED ISCO INJECTION LAYOUT

DATE 6/5/2025
PROJECT NO. 190204
FIGURE 7

©2025 AKRF Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\GIS and Graphics\hazmat\RDIR\190204 Fig 7 Proposed ISCO Injection Layout.mxd 6/5/2025 4:22:08 PM mvellieux

TABLES

Table 1
521 East Tremont Avenue
Bronx, NY
Groundwater Elevation Data - March 2025

Well Screen Interval	Well ID	Top of Casing Elevation (ft.)	Depth to Groundwater (ft. below TOC)	Groundwater Elevation (ft.)
SHALLOW	RI-MW-02	71.36	13.8	57.56
	RI-MW-03	70.03	12.5	57.53
	RI-MW-06	69.28	13.45	55.83
	RI-MW-12	69.76	13.22	56.54
	RI-MW-13	69.3	13.71	55.59
	RI-MW-15	57.69	3.81	53.88
	RI-MW-21	57.55	2.71	54.84
	RDI-MW-01S	69.39	11.69	57.7
	RDI-MW-02S	69.5	12.95	56.55
	RDI-MW-03S	68.86	13.13	55.73
INTERMEDIATE	RDI-MW-01I	69.48	12.93	56.55
	RDI-MW-02I	68.92	12.11	56.81
	RDI-MW-03I	68.97	12.05	56.92
DEEP	RDI-MW-01D	69.43	13.25	56.18
	RDI-MW-02D	69.49	13.75	55.74
	RDI-MW-03D	69.05	12.8	56.25

Notes:
ft. = feet
TOC = top of casing
Elevation = feet above mean sea level based on the North American Vertical Datum of 1988 (NAVD88).

Table 2
521 East Tremont Avenue
Bronx, NY
Remedial Design Investigation
Groundwater Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

	AKRF Sample ID	RDI-MW-01S_20250314	RDI-MW-01I_20250314	RDI-MW-01D_20250314	RDI-MW-X_20250314
	Laboratory Sample ID	460-322205-7	460-322205-8	460-322205-9	460-322205-10
	Date Sampled	3/14/2025	3/14/2025	3/14/2025	3/14/2025
	Unit	ug/L	ug/L	ug/L	ug/L
	Dilution Factor	1	1	1	1
Compound	NYSDEC AWQSGVs				
1,1,1-Trichloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	5	0.20 U	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	1	0.58 U	0.58 U	0.58 U	0.58 U
1,1-Dichloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U
1,1-Dichloroethene	5	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	0.6	0.30 U	0.30 U	0.30 U	0.30 U
1,2-Dichloropropane	1	0.92 U	0.92 U	0.92 U	0.92 U
Bromodichloromethane	50	0.98 U	0.98 U	0.98 U	0.98 U
Carbon Tetrachloride	5	1.00 U	1.00 U	1.00 U	1.00 U
Chlorobenzene	5	1.00 U	1.00 U	1.00 U	1.00 U
Chloroethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Chloroform	7	1.30	1.00	0.75 J	0.51 J
Chloromethane	5	1.00 U	1.00 U	1.00 U	1.00 U
Cis-1,2-Dichloroethylene	5	1.00 U	1.00 U	1.00 U	1.00 U
Cis-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U	0.45 U
Dibromochloromethane	50	0.78 U	0.78 U	0.78 U	0.78 U
Methylene Chloride	5	1.00 U	1.00 U	1.00 U	1.00 U
Tetrachloroethylene (PCE)	5	0.51	0.40 U	0.40 U	0.40 U
Trans-1,2-Dichloroethene	5	1.00 U	1.00 U	1.00 U	1.00 U
Trans-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	5	0.28 U	0.28 U	0.28 U	0.28 U
Vinyl Chloride	2	1.00 U	1.00 U	1.00 U	1.00 U

Table 2
521 East Tremont Avenue
Bronx, NY
Remedial Design Investigation
Groundwater Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

	AKRF Sample ID	RDI-MW-02S_20250314	RDI-MW-02I_20250314	RDI-MW-02D_20250313
	Laboratory Sample ID	460-322205-6	460-322205-5	460-322205-4
	Date Sampled	3/14/2025	3/14/2025	3/13/2025
	Unit	ug/L	ug/L	ug/L
	Dilution Factor	1	1	1
Compound	NYSDEC AWQSGVs			
1,1,1-Trichloroethane	5	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	5	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	1	0.58 U	0.58 U	0.58 U
1,1-Dichloroethane	5	1.00 U	1.00 U	1.00 U
1,1-Dichloroethene	5	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	0.6	0.30 U	0.30 U	0.30 U
1,2-Dichloropropane	1	0.92 U	0.92 U	0.92 U
Bromodichloromethane	50	0.98 U	0.98 U	0.98 U
Carbon Tetrachloride	5	1.00 U	1.00 U	1.00 U
Chlorobenzene	5	1.00 U	1.00 U	1.00 U
Chloroethane	5	1.00 U	1.00 U	1.00 U
Chloroform	7	1.40	0.46 J	1.00 U
Chloromethane	5	1.00 U	1.00 U	1.00 U
Cis-1,2-Dichloroethylene	5	1.00 U	1.40	3.50
Cis-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U
Dibromochloromethane	50	0.78 U	0.78 U	0.78 U
Methylene Chloride	5	1.00 U	1.00 U	1.00 U
Tetrachloroethylene (PCE)	5	**18**	**42**	1.20
Trans-1,2-Dichloroethene	5	1.00 U	1.00 U	1.00 U
Trans-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	5	0.28 U	2.00	2.10
Vinyl Chloride	2	1.00 U	1.00 U	1.00 U

Table 2
521 East Tremont Avenue
Bronx, NY
Remedial Design Investigation
Groundwater Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

	AKRF Sample ID	RDI-MW-03S_20250313	RDI-MW-03I_20250313	RDI-MW-03D_20250313
	Laboratory Sample ID	460-322205-1	460-322205-2	460-322205-3
	Date Sampled	3/13/2025	3/13/2025	3/13/2025
	Unit	ug/L	ug/L	ug/L
	Dilution Factor	1	1	1
Compound	NYSDEC AWQSGVs			
1,1,1-Trichloroethane	5	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	5	0.20 U	0.20 U	0.20 U
1,1,2-Trichloroethane	1	0.58 U	0.58 U	0.58 U
1,1-Dichloroethane	5	1.00 U	1.00 U	0.95 J
1,1-Dichloroethene	5	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	0.6	0.30 U	0.30 U	0.30 U
1,2-Dichloropropane	1	0.92 U	0.92 U	0.92 U
Bromodichloromethane	50	0.98 U	0.98 U	0.98 U
Carbon Tetrachloride	5	1.00 U	1.00 U	1.00 U
Chlorobenzene	5	1.00 U	1.00 U	1.00 U
Chloroethane	5	1.00 U	1.00 U	1.00 U
Chloroform	7	0.73 J	3.70	1.00 U
Chloromethane	5	1.00 U	1.00 U	1.00 U
Cis-1,2-Dichloroethylene	5	1.00 U	3.20	**36**
Cis-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U
Dibromochloromethane	50	0.78 U	0.78 U	0.78 U
Methylene Chloride	5	1.00 U	1.00 U	1.00 U
Tetrachloroethylene (PCE)	5	**36**	**83**	3.10
Trans-1,2-Dichloroethene	5	1.00 U	1.00 U	3.50
Trans-1,3-Dichloropropene	NS	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	5	0.68	**9**	**20**
Vinyl Chloride	2	1.00 U	1.00 U	0.62 J

Table 2
521 East Tremont Avenue
Bronx, NY
Remedial Design Investigation
Groundwater Analytical Results of Chlorinated Volatile Organic Compounds (CVOCs)

	AKRF Sample ID	RDI-FB_20250313	RDI-TB_20250313
	Laboratory Sample ID	460-322205-12	460-322205-11
	Date Sampled	3/13/2025	3/13/2025
	Unit	ug/L	ug/L
	Dilution Factor	1	1
Compound	NYSDEC AWQSGVs		
1,1,1-Trichloroethane	5	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	5	0.20 U	0.20 U
1,1,2-Trichloroethane	1	0.58 U	0.58 U
1,1-Dichloroethane	5	1.00 U	1.00 U
1,1-Dichloroethene	5	1.00 U	1.00 U
1,2-Dichloroethane	0.6	0.30 U	0.30 U
1,2-Dichloropropane	1	0.92 U	0.92 U
Bromodichloromethane	50	0.98 U	0.98 U
Carbon Tetrachloride	5	1.00 U	1.00 U
Chlorobenzene	5	1.00 U	1.00 U
Chloroethane	5	1.00 U	1.00 U
Chloroform	7	1.00 U	1.00 U
Chloromethane	5	1.00 U	1.00 U
Cis-1,2-Dichloroethylene	5	1.00 U	1.00 U
Cis-1,3-Dichloropropene	NS	0.45 U	0.45 U
Dibromochloromethane	50	0.78 U	0.78 U
Methylene Chloride	5	1.00 U	1.00 U
Tetrachloroethylene (PCE)	5	0.40 U	0.40 U
Trans-1,2-Dichloroethene	5	1.00 U	1.00 U
Trans-1,3-Dichloropropene	NS	0.45 U	0.45 U
Trichloroethylene (TCE)	5	0.28 U	0.28 U
Vinyl Chloride	2	1.00 U	1.00 U

Table 2
521 East Tremont Avenue
Bronx, NY
Remedial Design Investigation
Notes

DEFINITIONS

J : The concentration given is an estimated value.

NS : No standard.

U : The analyte was not detected at the indicated concentration.

µg/L : micrograms per liter

STANDARDS

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

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

DUPLICATES

RDI-MW-X_20250314 is a blind duplicate of sample RDI-MW-01D_20250314

APPENDIX A
GROUNDWATER MONITORING WELL CONSTRUCTION, DEVELOPMENT, AND SAMPLING LOGS

SOIL BORING AND NESTED WELL INSTALLATION LOG

521 East Tremont Avenue
Bronx, NY

AKRF Project Number: 190204

Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
Weather:	50°F, Clear	Start Time:	9:45
Sheet No.:	1 of 4	Finish Time:	14:00

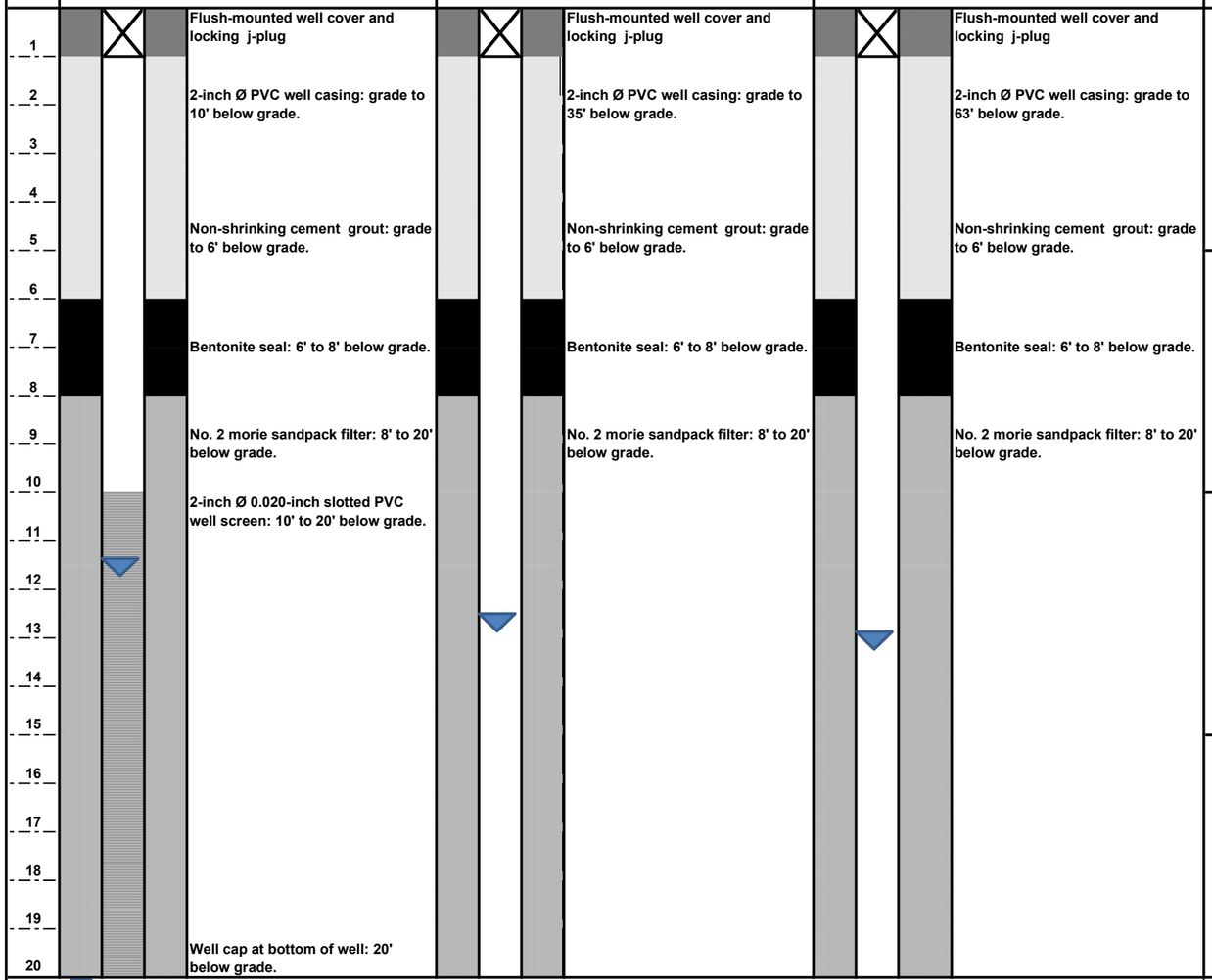
akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

GROUNDWATER MONITORING WELL IDS:

Shallow Well:	RDI-MW-01S
Intermediate Well:	RDI-MW-01I
Deep Well:	RDI-MW-01D

SOIL BORING INSTALLATION LOG | **SOIL BORING ID:** RDI-SB-01



Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL
27	Top 7": ASPHALT.	ND	Dry	ND	ND
	Bottom 20": Brown SAND, some Brick, Asphalt (FILL).	ND	Dry	ND	ND
19	Brown SILT, little Clay, trace Sand (FILL).	ND	Moist	ND	ND
32	Top 24": Brown SILT, some Brick, Sand, Gravel, trace Clay (FILL).	ND	Moist	ND	ND
	Bottom 8": Brown SILT, trace Clay.	ND	Moist	ND	ND
23	Brown SILT and SAND, trace Clay.	ND	Wet	ND	ND

Notes: ▼ Groundwater Depth Indicator
Groundwater monitoring well RDI-MW-01S installed to 20 feet below grade. Groundwater measured at 11.69 feet below grade during sampling on 3/14/25.
Groundwater monitoring well RDI-MW-01I installed to 45 feet below grade. Groundwater measured at 12.93 feet below grade during sampling on 3/14/25.
Groundwater monitoring well RDI-MW-01D installed to 73 feet below grade. Groundwater measured at 13.25 feet below grade during sampling on 3/14/25.

End of soil boring at 73 feet below grade.
Groundwater encountered at approximately 15 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	50°F, Clear	Start Time:	9:45
		Sheet No.:	2 of 4	Finish Time:	14:00
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-01S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-01
		Intermediate Well:	RDI-MW-01I		
		Deep Well:	RDI-MW-01D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
21		Bentonite seal: 20' to 33' below grade.	Bentonite seal: 20' to 33' below grade.	32	Blue-green clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
22									
23									
24									
25									
26				32	Blue-green clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
27									
28									
29									
30				24	Top 15": Brown SAND, some Cobbles.	ND	Wet	ND	ND
31									
32									
33		No. 2 morie sandpack filter: 33' to 45' below grade.	No. 2 morie sandpack filter: 33' to 45' below grade.		Bottom 9": Blue-green clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
34									
35		2-inch Ø 0.020-inch slotted PVC well screen: 35' to 45' below grade.							
36				28	Blue-green clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
37									
38									
39									
40									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-01S installed to 20 feet below grade. Groundwater measured at 11.69 feet below grade during

Groundwater monitoring well RDI-MW-01I installed to 45 feet below grade. Groundwater measured at 12.93 feet below grade during

Groundwater monitoring well RDI-MW-01D installed to 73 feet below grade. Groundwater measured at 13.25 feet below grade during

End of soil boring at 73 feet below grade.

Groundwater encountered at approximately 15 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	50°F, Clear	Start Time:	9:45
		Sheet No.:	3 of 4	Finish Time:	14:00
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-01S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-01
		Intermediate Well:	RDI-MW-01I		
		Deep Well:	RDI-MW-01D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
41				35	Blue-green clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
42									
43									
44									
45		Well cap at bottom of well: 45' below grade.							
46				22	Gray-blue clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
47			Bentonite seal: 45' to 61' below grade.						
48									
49									
50									
51				36	Gray-blue clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
52									
53									
54									
55									
56				32	Gray-blue clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
57									
58									
59									
60									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-01S installed to 20 feet below grade. Groundwater measured at 11.69 feet below grade during

Groundwater monitoring well RDI-MW-01I installed to 45 feet below grade. Groundwater measured at 12.93 feet below grade during

Groundwater monitoring well RDI-MW-01D installed to 73 feet below grade. Groundwater measured at 13.25 feet below grade during

End of soil boring at 73 feet below grade.

Groundwater encountered at approximately 15 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	50°F, Clear	Start Time:	9:45
		Sheet No.:	4 of 4	Finish Time:	14:00
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-01S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-01
		Intermediate Well:	RDI-MW-01I		
		Deep Well:	RDI-MW-01D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
61			No. 2 morie sandpack filter: 61' to 73' below grade.	25	White-gray clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
62									
63									
64									
65									
66			2-inch Ø 0.020-inch slotted PVC well screen: 63' to 73' below grade.						
67									
68				32	White-gray clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
69									
70									
71				26	Top 23": Blue-black clayey SILT.	ND	Moist	ND	ND
72					Bottom 3": Grey-white clayey SILT (WEATHERED ROCK).	ND	Moist	ND	ND
73			Well cap at bottom of well: 73' below grade.						
74									
75									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-01S installed to 20 feet below grade. Groundwater measured at 11.69 feet below grade during

Groundwater monitoring well RDI-MW-01I installed to 45 feet below grade. Groundwater measured at 12.93 feet below grade during

Groundwater monitoring well RDI-MW-01D installed to 73 feet below grade. Groundwater measured at 13.25 feet below grade during

End of soil boring at 73 feet below grade.

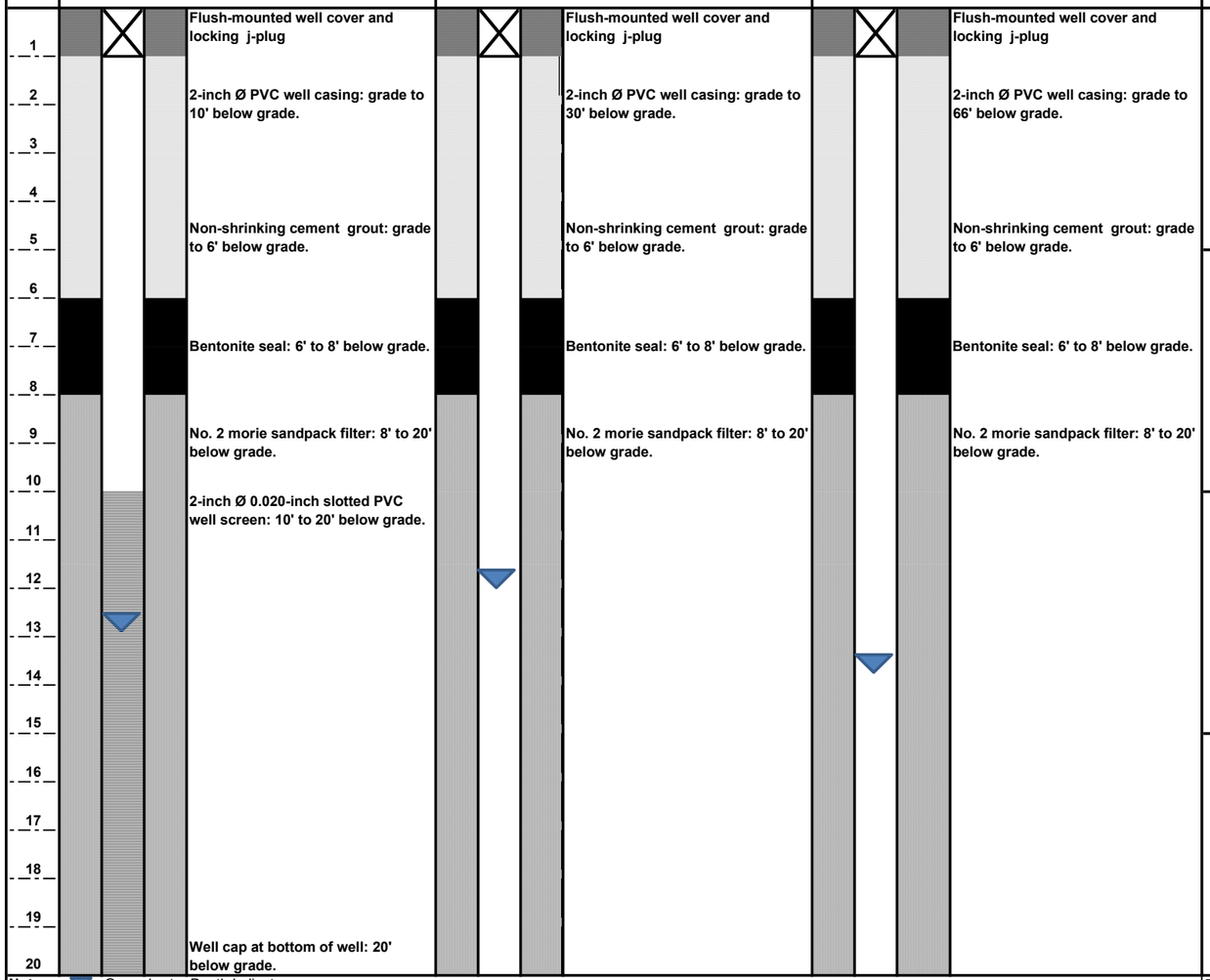
Groundwater encountered at approximately 15 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ppm = parts per million ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/25/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	53°F, Partly Cloudy	Start Time:	12:00
		Sheet No.:	1 of 4	Finish Time:	14:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-02S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-02
		Intermediate Well:	RDI-MW-02I		
		Deep Well:	RDI-MW-02D		



Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
24	Brown SAND, some Brick, Gravel (FILL).	ND	Dry	ND	ND
12	Brown SAND, some Brick, Gravel (FILL).	ND	Dry	ND	ND
28	Top 22": Brown SILT, some Clay, little Sand (FILL).	ND	Moist	ND	ND
	Bottom 6": Brown SAND, some Brick, Gravel (FILL).	ND	Moist	ND	ND
26	Brown-orange clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-02S installed to 20 feet below grade. Groundwater measured at 12.95 feet below grade during sampling on 3/14/25.
Groundwater monitoring well RDI-MW-02I installed to 45 feet below grade. Groundwater measured at 12.11 feet below grade during sampling on 3/14/25.
Groundwater monitoring well RDI-MW-02D installed to 65 feet below grade. Groundwater measured at 13.75 feet below grade during sampling on 3/13/25.

End of soil boring at 65 feet below grade.
Groundwater encountered at approximately 12 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/25/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	53°F, Partly Cloudy	Start Time:	12:00
		Sheet No.:	2 of 4	Finish Time:	14:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-02S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-02
		Intermediate Well:	RDI-MW-02I		
		Deep Well:	RDI-MW-02D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
21		Bentonite seal: 20' to 33' below grade.	Bentonite seal: 20' to 33' below grade.	26	Red-orange clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
22									
23									
24									
25									
26				32	Red-orange clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
27									
28									
29									
30									
31				34	Red-orange clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
32									
33									
34		No. 2 morie sandpack filter: 33' to 45' below grade.	No. 2 morie sandpack filter: 33' to 45' below grade.						
35									
36				26	Top 11": Red-orange clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
37									
38		2-inch Ø 0.020-inch slotted PVC well screen: 35' to 45' below grade.							
39					Bottom 15": Blue-green clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
40									

Notes: ▼ Groundwater Depth Indicator
Groundwater monitoring well RDI-MW-02S installed to 20 feet below grade. Groundwater measured at 12.95 feet below grade during
Groundwater monitoring well RDI-MW-02I installed to 45 feet below grade. Groundwater measured at 12.11 feet below grade during
Groundwater monitoring well RDI-MW-02D installed to 65 feet below grade. Groundwater measured at 13.75 feet below grade during

End of soil boring at 65 feet below grade.
Groundwater encountered at approximately 12 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/25/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	53°F, Partly Cloudy	Start Time:	12:00
		Sheet No.:	3 of 4	Finish Time:	14:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-02S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-02
		Intermediate Well:	RDI-MW-02I		
		Deep Well:	RDI-MW-02D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
41				26	Blue-green clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
42									
43									
44									
45		Well cap at bottom of well: 45' below grade.							
46				28	Blue-green clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
47			Bentonite seal: 45' to 53' below grade.						
48									
49									
50				50	Top 36": Blue-green clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
51									
52									
53									
54			No. 2 morie sandpack filter: 53' to 65' below grade.		Bottom 14": Grey-blue clayey SILT, some Sand (WEATHERED ROCK).				
55									
56				12	Grey-blue clayey SILT, some Sand (WEATHERED ROCK).	ND	Wet	ND	ND
57			2-inch Ø 0.020-inch slotted PVC well screen: 55' to 65' below grade.						
58									
59									
60									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-02S installed to 20 feet below grade. Groundwater measured at 12.95 feet below grade during

Groundwater monitoring well RDI-MW-02I installed to 45 feet below grade. Groundwater measured at 12.11 feet below grade during

Groundwater monitoring well RDI-MW-02D installed to 65 feet below grade. Groundwater measured at 13.75 feet below grade during

End of soil boring at 65 feet below grade.

Groundwater encountered at approximately 12 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/25/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	53°F, Partly Cloudy	Start Time:	12:00
		Sheet No.:	4 of 4	Finish Time:	14:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-02S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-02
		Intermediate Well:	RDI-MW-02I		
		Deep Well:	RDI-MW-02D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL
61					No Recovery				
62									
63				0		NA	NA	NA	NA
64									
65			Well cap at bottom of well: 65' below grade.						

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-02S installed to 20 feet below grade. Groundwater measured at 12.95 feet below grade during

Groundwater monitoring well RDI-MW-02I installed to 45 feet below grade. Groundwater measured at 12.11 feet below grade during

Groundwater monitoring well RDI-MW-02D installed to 65 feet below grade. Groundwater measured at 13.75 feet below grade during

End of soil boring at 65 feet below grade.

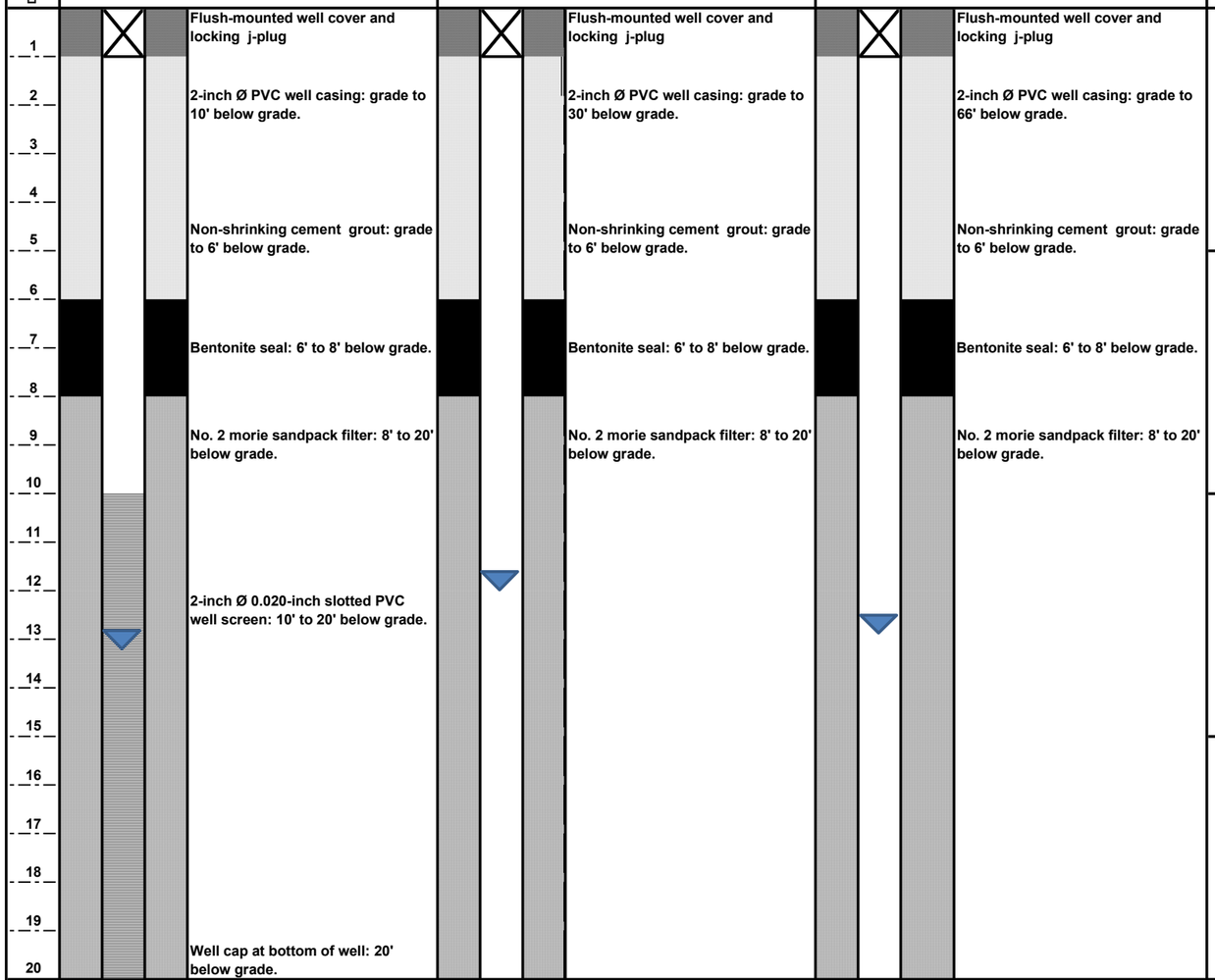
Groundwater encountered at approximately 12 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/24/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	40°F, Partly Cloudy	Start Time:	900
		Sheet No.:	1 of 5	Finish Time:	2/25/2025 9:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-03S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-03
		Intermediate Well:	RDI-MW-03I		
		Deep Well:	RDI-MW-03D		



Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
9	ASPHALT.	ND	Dry	ND	ND
10	Black-brown SAND and BRICK, trace Silt (FILL).	ND	Dry	ND	ND
12	SILT and SAND, trace Clay and Gravel (FILL).	ND	Moist	ND	ND
0	No Recovery	NA	NA	NA	NA

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-03S installed to 20 feet below grade. Groundwater measured at 13.13 feet below grade during sampling on 3/13/25.
Groundwater monitoring well RDI-MW-03I installed to 50 feet below grade. Groundwater measured at 12.05 feet below grade during sampling on 3/14/25.
Groundwater monitoring well RDI-MW-03D installed to 85 feet below grade. Groundwater measured at 12.8 feet below grade during sampling on 3/14/25.

End of soil boring at 84 feet below grade.
Groundwater encountered at approximately 25 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	40°F, Partly Cloudy	Start Time:	900
		Sheet No.:	2 of 5	Finish Time:	2/25/2025 9:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-03S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-03
		Intermediate Well:	RDI-MW-03I		
		Deep Well:	RDI-MW-03D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
21				49	Brown clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
22									
23									
24									
25									
26				42	Brown clayey SILT, some Sand (WEATHERED ROCK).	ND	Wet	ND	ND
27		Bentonite seal: 20' to 38' below grade.							
28									
29									
30									
31				33	Brown clayey SILT, some Sand (WEATHERED ROCK).	ND	Wet	ND	ND
32						ND	Wet	ND	ND
33						ND	Wet	ND	ND
34									
35									
36				32	Top 16": Brown clayey SILT, some Sand (WEATHERED ROCK).	ND	Wet	ND	ND
37									
38					Bottom 16": Grey-blue clayey SILT, some Sand (WEATHERED ROCK).	ND	Wet	ND	ND
39		No. 2 morie sandpack filter: 38' to 50' below grade.							
40									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-03S installed to 20 feet below grade. Groundwater measured at 13.13 feet below grade during

Groundwater monitoring well RDI-MW-03I installed to 50 feet below grade. Groundwater measured at 12.05 feet below grade during

Groundwater monitoring well RDI-MW-03D installed to 85 feet below grade. Groundwater measured at 12.8 feet below grade during

End of soil boring at 84 feet below grade.

Groundwater encountered at approximately 25 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	40°F, Partly Cloudy	Start Time:	900
		Sheet No.:	3 of 5	Finish Time:	2/25/2025 9:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-03S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-03
		Intermediate Well:	RDI-MW-03I		
		Deep Well:	RDI-MW-03D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
41		2-inch Ø 0.020-inch slotted PVC well screen: 40' to 50' below grade.		32	Grey-blue clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
42									
43									
44									
45									
46				24	Blue-green clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
47									
48									
49									
50		Well cap at bottom of well: 50' below grade.							
51			Bentonite seal: 50' to 72' below grade.	40	Blue-grey clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
52									
53									
54									
55									
56				36	Blue-grey clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
57									
58									
59									
60									

Notes: ▼ Groundwater Depth Indicator
Groundwater monitoring well RDI-MW-03S installed to 20 feet below grade. Groundwater measured at 13.13 feet below grade during
Groundwater monitoring well RDI-MW-03I installed to 50 feet below grade. Groundwater measured at 12.05 feet below grade during
Groundwater monitoring well RDI-MW-03D installed to 85 feet below grade. Groundwater measured at 12.8 feet below grade during

End of soil boring at 84 feet below grade.
Groundwater encountered at approximately 25 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	40°F, Partly Cloudy	Start Time:	900
		Sheet No.:	4 of 5	Finish Time:	2/25/2025 9:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-03S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-01
		Intermediate Well:	RDI-MW-03I		
		Deep Well:	RDI-MW-03D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
61				24	Grey-white clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
62									
63									
64									
65									
66				35	Grey-white clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
67			Bentonite seal: 50' to 72' below grade.						
68									
69									
70									
71				60	Grey-white clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
72									
73			No. 2 morie sandpack filter: 72' to 84' below grade.						
74									
75									
76				52	Grey-white clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND
77			2-inch Ø 0.020-inch slotted PVC well screen: 74' to 84' below grade.						
78									
79									
80									

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-03S installed to 20 feet below grade. Groundwater measured at 13.13 feet below grade during

Groundwater monitoring well RDI-MW-03I installed to 50 feet below grade. Groundwater measured at 12.05 feet below grade during

Groundwater monitoring well RDI-MW-03D installed to 85 feet below grade. Groundwater measured at 12.8 feet below grade during

End of soil boring at 84 feet below grade.

Groundwater encountered at approximately 25 feet below grade during soil boring advancement.

PID = photoionization detector NAPL = non-aqueous phase liquid

ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING AND NESTED WELL INSTALLATION LOG	521 East Tremont Avenue Bronx, NY AKRF Project Number: 190204	Sampling Method:	Plastic Liner	Date: 2/26/2025	Driller: Aarco Environmental
		Logged by:	S. Donohue, AKRF	Drilling Method:	Sonic
		Weather:	40°F, Partly Cloudy	Start Time:	900
		Sheet No.:	5 of 5	Finish Time:	2/25/2025 9:15
akrf 440 Park Avenue South, 7th Floor New York, NY 10016	GROUNDWATER MONITORING WELL IDS:	Shallow Well:	RDI-MW-03S	SOIL BORING INSTALLATION LOG	SOIL BORING ID: RDI-SB-01
		Intermediate Well:	RDI-MW-03I		
		Deep Well:	RDI-MW-03D		

Depth (feet)	Shallow-Screened Well Construction	Intermediate-Screened Well Construction	Deep-Screened Well Construction	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL
81 82 83 84			**Well cap at bottom of well: 84' below grade.**	36	Grey-white clayey SILT, some Sand (WEATHERED ROCK).	ND	Moist	ND	ND

Notes: ▼ Groundwater Depth Indicator

Groundwater monitoring well RDI-MW-03S installed to 20 feet below grade. Groundwater measured at 13.13 feet below grade during
Groundwater monitoring well RDI-MW-03I installed to 50 feet below grade. Groundwater measured at 12.05 feet below grade during
Groundwater monitoring well RDI-MW-03D installed to 85 feet below grade. Groundwater measured at 12.8 feet below grade during

End of soil boring at 84 feet below grade.
Groundwater encountered at approximately 25 feet below grade during soil boring advancement.
PID = photoionization detector NAPL = non-aqueous phase liquid
ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

akrf
440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Sydney Rubin, Shannon Donehue			
Project Number:	190204		**Sampling Date:**	3/4/2025, 3/5/2025		**RDI-MW-01I**	
Headspace PID:	ND						
Total Well Depth:	45	ft. below top of casing	**Water Column:**	32	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	13	ft. below top of casing	**Well Volume*:**	5.2	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	96	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	35	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	45	ft. below top of casing	**Purging Device:**	Waterra Pump			
Approximate Pump Intake:	42	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)
3/4/2025 8:04	13	523.6	13.8	0.429	5.63	8.63	-189.2	3200.03	
3/4/2025 9:00	13	523.6	13	0.367	7.74	8.68	-99.7	2578.92	
3/4/2025 9:40	13	523.6	12.6	0.477	8.3	8.51	91.8	3232.5	
3/4/2025 10:30	13	523.6	13.9	0.445	6.62	8.59	27.5	6671.02	
3/4/2025 11:12	13	523.6	14.2	0.414	7	8.54	106.1	7195.31	
3/4/2025 11:55	13	523.6	13.8	0.405	7.96	8.31	77.2	6323.12	
3/4/2025 12:30	13	523.6	12.9	0.401	8.78	8.34	116.3	5813.66	
3/4/2025 14:34	13	523.6	15	0.785	5.89	7.75	-116.9	2561.58	
3/4/2025 15:00	13	523.6	16.7	0.418	8.43	8.43	88.1	6098.23	
3/5/2025 12:20	13	523.6	13.8	0.405	5.39	8.9	2.7	6129	
3/5/2025 13:20	13	523.6	14.8	0.492	6.27	8.02	124.7	5841	
3/5/2025 13:20	13	523.6	13.9	0.419	8.29	8.13	230.7	6257	
3/5/2025 14:30	13	523.6	15.5	0.404	7.64	7.87	183.2	6462	
3/5/2025 15:00	13	523.6	15.6	0.391	7.19	7.96	209.8	4780	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Sydney Rubin		
Project Number:	190204	**Sampling Date:**	3/4/2025, 3/6/2025		**RDI-MW-01D**
Headspace PID:					
Total Well Depth:	74 ft. below top of casing	**Water Column:**	56 feet		*= 0.041 * WC for 1" wells
Depth to Water:	18 ft. below top of casing	**Well Volume*:**	9.13 gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	90 gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	63 ft. below top of casing	**Well Diameter:**	2 inches		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.
Depth to Bottom of Screen:	73 ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	70 ft. below top of casing				

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (^{o}C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
3/4/2025 11:45	18	545.1	15.2	0.525	1.18	8.38	-353	3886.1	
3/4/2025 12:30	18	545.1	15.4	0.664	3.98	8.16	258.7	7346.09	
3/4/2025 13:10	18	545.1	15.2	0.743	5.54	8.14	-183.6	3384.6	
3/4/2025 13:35	18	545.1	14.6	0.759	5.85	7.93	-58.6	2671.02	
3/4/2025 14:20	18	545.1	15.5	0.79	5.42	8.72	-33.1	2367.61	
3/4/2025 15:05	18	545.1	15.08	0.759	6.77	7.81	-14.3	2289.79	
3/6/2025 8:25	18	545.1	15.5	0.524	5.63	8.11	-8.9	4148.58	
3/6/2025 8:55	18	545.1	15.3	0.73	4.44	7.84	23.4	2131.44	
3/6/2025 9:25	18	545.1	15.4	0.769	4.75	7.89	157.6	1014.29	
3/6/2025 10:00	18	545.1	14.9	0.81	5.26	7.76	157.7	740.79	
3/6/2025 10:30	18	545.1	16.2	0.892	4.95	7.91	205.3	427.67	
3/6/2025 11:25	18	545.1	15.3	0.872	5.86	8.12	184.5	877.65	
3/6/2025 12:00	18	545.1	16.8	0.874	4.87	8.02	187.4	688.72	
3/6/2025 12:30	18	545.1	14.4	0.825	6.68	7.79	230.5	652.1	
3/6/2025 12:47	18	545.1	14.3	0.85	4.88	7.65	152.3	1106.31	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue			**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC			**Well ID:**	
Project Location:	Bronx, NY			**Sampled By:**	Sydney Rubin			**RDI-MW-01D**	
Project Number:	190204			**Sampling Date:**	3/6/2025				
Headspace PID:	ND								
Total Well Depth:	74	ft. below top of casing		**Water Column:**	56	feet		*= 0.041 * WC for 1" wells	
Depth to Water:	18	ft. below top of casing		**Well Volume*:**	9.13	gallons		*= 0.163 * WC for 2" wells	
Product Thickness:	ND	ft. below top of casing		**Volume Purged:**	90	gallons		*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	63	ft. below top of casing		**Well Diameter:**	2	inches		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.	
Depth to Bottom of Screen:	73	ft. below top of casing		**Purging Device:**	Waterra Pump				
Approximate Pump Intake:	70	ft. below top of casing							

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/6/2025 13:00	18	545.1	14	0.847	5.97	7.64	91.2	1082.56	
3/6/2025 13:30	18	545.1	14.7	0.849	5.78	7.9	202.9	1058.02	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**
Project Location:	Bronx, NY		**Sampled By:**	Sydney Rubin, Shannon Donehue		**RDI-MW-02I**
Project Number:	190204		**Sampling Date:**	3/3/2025, 3/6/2025		
Headspace PID:	ND					
Total Well Depth:	46	ft. below top of casing	**Water Column:**	32	feet	*= 0.041 * WC for 1" wells
Depth to Water:	14	ft. below top of casing	**Well Volume*:**	5.22	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	38	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	35	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	45	ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	40	ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/3/2025 9:40	14	268.1	2.5	0.411	13.87	8.95	178.1	1648.71	
3/3/2025 10:15	14	268.1	8.2	0.424	8.28	8.32	20.9	4550.38	
3/3/2025 10:45	14	268.1	9.7	0.424	6.53	8.3	22.9	2441.33	
3/3/2025 11:30	14	268.1	8.4	0.419	7.08	8.48	111.5	2449.06	
3/3/2025 12:25	14	268.1	4.9	0.403	11.68	8.89	171.4	1123.01	
3/3/2025 12:55	14	268.1	9.5	0.412	10.26	8.4	77.2	2536.86	
3/3/2025 13:40	14	268.1	7.7	0.407	6.73	8.2	68.5	2730.04	
3/6/2025 8:22	14	268.1	15.3	0.401	3.38	8.1	93.6	2827.47	
3/6/2025 9:22	14	268.1	15.3	0.425	5.67	8.37	248.6	5091.16	
3/6/2025 10:00	14	268.1	15.1	0.431	7.81	8.25	210.6	3876.22	
3/6/2025 10:30	14	268.1	15.6	0.54	5.48	7.91	137.6	5995.77	
3/6/2025 11:27	14	268.1	15.6	0.569	7.75	8.13	167.4	2567.92	
3/6/2025 12:02	14	268.1	15	0.442	9	8.21	139.9	73.21	
3/6/2025 12:10	14	268.1	13.6	0.463	10.21	8.33	245.3	27.82	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**
Project Location:	Bronx, NY		**Sampled By:**	Sydney Rubin, Shannon Donehue		
Project Number:	190204		**Sampling Date:**	3/6/2025		**RDI-MW-02I**
Headspace PID:	NA					
Total Well Depth:	43.81	ft. below top of casing	**Water Column:**	30.9	feet	*= 0.041 * WC for 1" wells
Depth to Water:	12.91	ft. below top of casing	**Well Volume*:**	5.04	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	ND	ft. below top of casing	**Volume Purged:**	38	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	35	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	45	ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	40	ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/6/2025 12:15	14	268.1	14.2	0.405	10.32	8.18	271.9	144.14	
3/6/2025 12:20	14	268.1	14.2	0.405	10.4	8.21	280.8	202.49	
3/6/2025 12:30	14	268.1	14.3	0.404	10.42	8.26	263.4	99.02	
3/6/2025 12:35	14	268.1	14.4	0.419	10.4	8.1	196.1	47.41	
3/6/2025 12:40	14	268.1	14.8	0.407	9.93	7.99	177.5	21.96	
3/6/2025 12:45	14	268.1	14.2	0.404	10.29	8.07	228.3	19.44	
3/6/2025 12:50	14	268.1	14.4	0.426	9.69	7.95	99.8	48	
3/6/2025 12:55	14	268.1	13.8	0.41	9.98	7.95	109.8	15.66	
3/6/2025 13:00	14	268.1	13.3	0.408	10.12	8.02	113.6	10.9	
3/6/2025 13:05	14	268.1	13.9	0.412	9.84	7.88	87.8	29.1	
3/6/2025 13:10	14	268.1	14.2	0.407	10.18	7.93	95.8	23.62	
3/6/2025 13:15	14	268.1	14.5	0.407	10.16	7.91	101.8	16.88	
3/6/2025 13:20	14	268.1	14.7	0.41	9.77	7.94	92.2	10.72	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Sydney Rubin, Shannon Donehue		
Project Number:	190204	**Sampling Date:**	2/27/25 2/28/25	**RDI-MW-02D**	
Headspace PID:	ND				
Total Well Depth:	65.21 ft. below top of casing	**Water Column:**	51.2 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	14 ft. below top of casing	**Well Volume*:**	8.35 gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	55 gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	55 ft. below top of casing	**Well Diameter:**	2 inches	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.	
Depth to Bottom of Screen:	65 ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	60 ft. below top of casing				

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (^{o}C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
2/27/2025 12:30	14	462.7	15.4	0.683	3.1	7.42	-161.5	1977.55	
2/27/2025 13:00	14	462.7	14.2	0.731	5.68	7.66	4.2	827.94	
2/27/2025 13:30	14	462.7	15.3	0.703	3.97	7.62	-56.5	1103.76	
2/27/2025 14:03	14	462.7	13.8	0.733	5.33	7.64	43	582.31	
2/28/2025 8:03	14	462.7	13.5	0.739	4.71	7.84	-216.5	5400	
2/28/2025 8:36	14	462.7	13.1	0.727	5.48	7.74	-96.6	2806	
2/28/2025 9:13	14	462.7	12.9	0.724	5.37	7.72	-19.8	1741	
2/28/2025 9:35	14	462.7	12.6	0.774	5.91	7.08	1.6	693	
2/28/2025 10:08	14	462.7	13.7	0.751	6.24	7.7	-2.6	595	
2/28/2025 10:36	14	462.7	13.9	0.737	4.83	7.74	14.2	517	
2/28/2025 11:02	14	462.7	14	0.739	6.36	7.84	67.2	504.53	
2/28/2025 11:38	14	462.7	14.3	0.736	9.01	8.83	102.3	496.12	
2/28/2025 12:09	14	462.7	14.5	0.746	5.13	8.1	111.6	561.1	
2/28/2025 13:34	14	462.7	12.4	0.717	6.92	7.86	260.6	402.34	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Sydney Rubin, Shannon Donehue			
Project Number:	190204		**Sampling Date:**	2/28/2025		**RDI-MW-02D**	
Headspace PID:	ND						
Total Well Depth:	65.21	ft. below top of casing	**Water Column:**	51.2	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	14	ft. below top of casing	**Well Volume*:**	8.35	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	55	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	55	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	65	ft. below top of casing	**Purging Device:**	Waterra Pump			
Approximate Pump Intake:	60	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
2/28/2025 13:10	14	462.7	13.7	0.753	6.89	8.05	125.1	695.53	
2/28/2025 13:34	14	462.7	12.4	0.717	6.92	7.86	260.6	402.34	
2/28/2025 13:57	14	462.7	13.8	0.732	5.99	7.62	13.8	557.37	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC			**Well ID:**
Project Location:	Bronx, NY		**Sampled By:**	Shannon Donohue			
Project Number:	190204		**Sampling Date:**	2/26/2025			**RDI-MW-03S**
Headspace PID:	0.6						
Total Well Depth:	18.5	ft. below top of casing	**Water Column:**	7.91	feet		*= 0.041 * WC for 1" wells
Depth to Water:	10.59	ft. below top of casing	**Well Volume*:**	1.29	gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	25	gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	10	ft. below top of casing	**Well Diameter:**	2	inches		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.
Depth to Bottom of Screen:	20	ft. below top of casing	**Purging Device:**	Waterra Pump			
Approximate Pump Intake:	15.3	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)
2/27/2025 9:22	10.59	340.4	14.04	0.602	6.94	6.94	-29	1000+	
2/27/2025 11:40	10.59	340.4	14.07	0.785	7.87	7.35	38	1000+	
2/27/2025 12:20	10.59	340.4	16.06	1.75	7.75	7.32	-10	1000+	
2/27/2025 12:50	10.59	340.4	14.8	2.35	7.34	7.08	82	1000+	
2/27/2025 13:30	10.59	340.4	14.15	2.2	7.5	7.16	45	533	
2/27/2025 14:00	10.59	340.4	14.56	2.32	8.93	7.15	45	567	
				+/- 3% mS/cm	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**
Project Location:	Bronx, NY		**Sampled By:**	Charles MacArthur , Shannon Donehue		**RDI-MW-03D**
Project Number:	190204		**Sampling Date:**	2/25/2025		
Headspace PID:	ND					
Total Well Depth:	82.08	ft. below top of casing	**Water Column:**	71.6	feet	*= 0.041 * WC for 1" wells
Depth to Water:	10.5	ft. below top of casing	**Well Volume*:**	11.7	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	120	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	74	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	84	ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	80	ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
2/25/2025 14:15	10.5	1261.8	12.22	0.129	7.53	14	136	175	
2/25/2025 7:55	10.5	1261.8	12.16	0.624	7.24	6.96	-52	1000+	
2/25/2025 8:00	10.5	1261.8	13.55	0.779	7.08	6.74	-106	1000+	
2/25/2025 8:10	10.5	1261.8	14.06	0.756	6.6	6.66	-91	1000+	
2/25/2025 8:15	10.5	1261.8	13.91	0.816	6.64	6.86	-52	1000+	
2/25/2025 8:20	10.5	1261.8	14.22	0.802	7.24	6.81	-36	1000+	
2/25/2025 8:45	10.5	1261.8	13.64	1.03	8.88	6.99	-9	1000+	
2/25/2025 8:50	10.5	1261.8	14.32	0.918	5.87	6.82	-30	1000+	
2/25/2025 8:55	10.5	1261.8	14.58	0.931	6.53	6.84	-27	1000+	
2/25/2025 9:00	10.5	1261.8	14.31	0.993	5.94	6.92	-31	1000+	
2/25/2025 9:05	10.5	1261.8	14.34	0.998	5.95	7	-35	1000+	
2/25/2025 9:10	10.5	1261.8	14.48	0.994	5.43	7.02	-44	1000+	
2/25/2025 9:15	10.5	1261.8	14.43	0.987	5.75	7.05	-38	1000+	
2/25/2025 9:20	10.5	1261.8	14.62	0.988	5.15	7.1	-43	1000+	
2/25/2025 9:25	10.5	1261.8	14.45	0.922	4.94	7.18	-29	1000+	
2/25/2025 9:30	10.5	1261.8	14.17	1	4.75	7.16	-43.0	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-03D
Project Location:	Bronx, NY		**Sampled By:**	Charles MacArthur , Shannon Donehue		
Project Number:	190204		**Sampling Date:**	2/25/2025		
Headspace PID:	ND					
Total Well Depth:	82.08	ft. below top of casing	**Water Column:**	71.6	feet	*= 0.041 * WC for 1" wells
Depth to Water:	10.5	ft. below top of casing	**Well Volume*:**	11.7	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	120	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	74	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	84	ft. below top of casing	**Purging Device:**	Waterra Pump		
Approximate Pump Intake:	80	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)
2/25/2025 9:40	10.5	1261.8	13.75	1.01	4.18	7.12	-54	1000+	
2/25/2025 9:45	10.5	1261.8	14.05	0.996	6.43	7.04	-46	1000+	
2/25/2025 9:50	10.5	1261.8	13.95	1.02	5.24	7.11	-39	1000+	
2/25/2025 9:55	10.5	1261.8	14.47	1	5.84	7.12	-46	1000+	
2/25/2025 10:00	10.5	1261.8	14.76	0.997	6.88	7.13	-54	1000+	
2/25/2025 10:05	10.5	1261.8	14.95	0.99	5.58	7.14	-56	1000+	
2/25/2025 10:10	10.5	1261.8	14.93	0.997	5.08	7.15	-65	1000+	
2/25/2025 10:15	10.5	1261.8	14.98	0.996	5.95	7.15	-61	1000+	
2/25/2025 10:20	10.5	1261.8	15.02	0.993	7.67	7.15	-66	1000+	
2/25/2025 10:25	10.5	1261.8	14.73	0.99	7.93	7.13	-51	1000+	
2/25/2025 10:30	10.5	1261.8	14.65	1.02	8.18	7.15	-58	1000+	
2/25/2025 10:35	10.5	1261.8	14.6	0.988	8.6	7.16	-58	1000+	
2/25/2025 10:40	10.5	1261.8	15.1	1.01	5.77	7.2	-50	1000+	
2/25/2025 10:45	10.5	1261.8	15.63	1	5.63	7.21	-56	1000+	
2/25/2025 11:20	10.5	1261.8	12.12	1.01	7.83	7.27	19	1000+	
2/25/2025 11:50	10.5	1261.8	15.36	0.997	9.49	7.31	-50.0	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Development Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Charles MacArthur , Shannon Donehue			**RDI-MW-03D**
Project Number:	190204		**Sampling Date:**	2/25/2025			
Headspace PID:	ND						
Total Well Depth:	82.08	ft. below top of casing	**Water Column:**	71.6	feet		*= 0.041 * WC for 1" wells
Depth to Water:	10.5	ft. below top of casing	**Well Volume*:**	11.7	gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	120	gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	74	ft. below top of casing	**Well Diameter:**	2	inches		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.
Depth to Bottom of Screen:	84	ft. below top of casing	**Purging Device:**	Waterra Pump			
Approximate Pump Intake:	80	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
2/25/2025 12:45	10.5	1261.8	13.78	1.03	9.53	7.05	-47	1000+	
2/25/2025 13:10	10.5	1261.8	14.67	1.04	9.68	6.97	-50	1000+	
2/25/2025 13:50	10.5	1261.8	13.6	1.04	9.22	7.05	-40	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes: ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-01S
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF		
Project Number:	190204		**Sampling Date:**	3/14/2025		
Headspace PID:	ND					
Total Well Depth:	16.1	ft. below top of casing	**Water Column:**	4.41	feet	*= 0.041 * WC for 1" wells
Depth to Water:	11.69	ft. below top of casing	**Well Volume*:**	0.719	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	5	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	10	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	20	ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	14	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)
3/14/2025 8:00	11.69	100	13.59	1.16	2.58	7.08	159	1000+	No odor or sheen on purge water.
3/14/2025 8:05	11.69	100	13.74	1.16	1.65	7.19	134	325	
3/14/2025 8:10	11.69	100	13.77	1.16	1.45	7.29	128	197	
3/14/2025 8:15	11.69	100	13.78	1.16	1.34	7.3	153	150	
3/14/2025 8:20	11.69	100	13.83	1.16	1.29	7.32	127	208	
3/14/2025 8:25	11.69	100	13.82	1.16	1.34	7.33	127	178	
3/14/2025 8:30	11.69	100	13.64	1.16	1.34	7.35	127	156	
3/14/2025 8:35	11.69	100	13.4	1.16	1.28	7.37	123	162	
3/14/2025 8:40	11.69	100	13.46	1.16	1.2	7.39	120	235	
3/14/2025 8:45	11.69	100	13.47	1.16	1.17	7.41	116	281	
3/14/2025 8:50	11.69	100	13.49	1.16	1.18	7.43	115	163	
3/14/2025 8:55	11.69	100	13.5	1.16	1.17	7.45	115	149	
3/14/2025 9:00	11.69	100	13.49	1.16	1.19	7.66	102	174	
3/14/2025 9:05	11.69	100	13.47	1.16	1.27	7.59	110	132	
3/14/2025 9:10	11.69	100	13.49	1.16	1.31	7.57	110.0	138	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF			
Project Number:	190204		**Sampling Date:**	3/14/2025		**RDI-MW-01S**	
Headspace PID:	ND						
Total Well Depth:	16.1	ft. below top of casing	**Water Column:**	4.41	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	11.69	ft. below top of casing	**Well Volume*:**	0.719	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	5	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	10	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	20	ft. below top of casing	**Purging Device:**	QED Submersible Pump			
Approximate Pump Intake:	14	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 9:15	11.69	100	13.52	1.16	1.4	7.57	113	151	No odor or sheen on purge water. Purging discontinued after 2 hours.
3/14/2025 9:20	11.69	100	13.54	1.16	1.44	7.52	114	198	
3/14/2025 9:25	11.69	100	13.54	1.16	1.55	7.43	122	156	
3/14/2025 9:30	11.69	100	13.53	1.16	1.57	7.41	122	171	
3/14/2025 9:35	11.69	100	13.53	1.16	1.59	7.38	123	184	
3/14/2025 9:40	11.69	100	13.54	1.16	1.6	7.34	126	193	
3/14/2025 9:45	11.69	100	13.55	1.16	1.81	7.55	116	170	
3/14/2025 9:50	11.69	100	13.49	1.16	1.86	7.47	121	242	
3/14/2025 9:55	11.69	100	13.52	1.16	2.23	7.4	134	467	
3/14/2025 10:00	11.69	100	13.54	1.16	2.18	7.36	129	550	
SAMPLING									
3/14/2025 10:10	11.69	100	13.69	1.16	2.22	7.38	138.0	544	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue			**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC			**Well ID:**	
Project Location:	Bronx, NY			**Sampled By:**	Charlie MacArthur, AKRF				
Project Number:	190204			**Sampling Date:**	3/14/2025			**RDI-MW-01I**	
Headspace PID:	ND								
Total Well Depth:	42.73	ft. below top of casing		**Water Column:**	29.8	feet		*= 0.041 * WC for 1" wells	
Depth to Water:	12.93	ft. below top of casing		**Well Volume*:**	4.86	gallons		*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing		**Volume Purged:**	2.5	gallons		*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	32.73	ft. below top of casing		**Well Diameter:**	2	inches		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.	
Depth to Bottom of Screen:	42.73	ft. below top of casing		**Purging Device:**	QED Submersible Pump				
Approximate Pump Intake:	40	ft. below top of casing							

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 10:30	12.93	100	12.68	0.361	3.51	8.65	12	108	
3/14/2025 10:35	12.93	100	13.46	0.362	2.76	8.42	-25	102	
3/14/2025 10:40	12.93	100	14.41	0.376	1.31	7.95	-159	95.9	
3/14/2025 10:45	12.93	100	15.11	0.385	0.65	7.8	-275	62.4	
3/14/2025 10:50	12.93	100	15.27	0.382	0.54	7.77	-300	53.3	
3/14/2025 10:55	12.93	100	15.33	0.371	0.54	7.75	-274	44.5	
3/14/2025 11:00	12.93	100	15.47	0.358	0.55	7.73	-224	33.1	
3/14/2025 11:05	12.93	100	15.48	0.357	0.6	7.73	-203	31.4	No odor or sheen on purge water.
3/14/2025 11:10	12.93	100	15.48	0.356	0.63	7.73	-194	29.6	
3/14/2025 11:15	12.93	100	15.55	0.353	0.76	7.73	-150	25.2	
3/14/2025 11:20	12.93	100	15.59	0.353	0.77	7.73	-148	24.6	
3/14/2025 11:25	12.93	100	15.61	0.353	0.81	7.72	-141	23.2	
SAMPLING									
3/14/2025 11:35	12.93	100	15.65	0.354	0.94	7.61	-112.0	35.5	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Charlie MacArthur, AKRF		
Project Number:	190204	**Sampling Date:**	3/14/2025		**RDI-MW-01D**
Headspace PID:	ND				
Total Well Depth:	72.94 ft. below top of casing	**Water Column:**	59.69 feet		*= 0.041 * WC for 1" wells
Depth to Water:	13.25 ft. below top of casing	**Well Volume*:**	9.73 gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	3 gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	62.94 ft. below top of casing	**Well Diameter:**	2 inches		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.
Depth to Bottom of Screen:	72.94 ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	70 ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 12:05	13.35	100	14.42	0.412	2.87	9.05	-47	1000+	
3/14/2025 12:10	13.35	100	15.05	0.363	1.02	7.76	-74	1000+	
3/14/2025 12:15	13.35	100	15.3	0.359	0.83	7.67	-97	1000+	
3/14/2025 12:20	13.35	100	15.41	0.363	0.94	7.66	-121	1000+	
3/14/2025 12:25	13.35	100	15.45	0.364	0.95	7.66	-123	1000+	
3/14/2025 12:30	13.35	100	15.51	0.367	0.95	7.67	-127	1000+	
3/14/2025 12:35	13.35	100	15.54	0.37	0.95	7.67	-129	1000+	
3/14/2025 12:40	13.35	100	15.58	0.372	0.94	7.67	-129	1000+	Water appeared cloudy. Purging disontinued after 2 hours.
3/14/2025 12:45	13.35	100	15.6	0.372	0.94	7.67	-131	1000+	
3/14/2025 12:50	13.35	100	15.61	0.374	0.94	7.67	-133	1000+	
3/14/2025 12:55	13.35	100	15.65	0.377	0.93	7.68	-133	1000+	
3/14/2025 13:00	13.35	100	15.67	0.379	0.92	7.68	-135	1000+	
3/14/2025 13:05	13.35	100	15.77	0.384	0.12	7.69	-136	1000+	
3/14/2025 13:10	13.35	100	15.83	0.387	0.27	7.69	-137	1000+	
3/14/2025 13:15	13.35	100	15.89	0.39	0.31	7.69	-138.0	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF			**RDI-MW-01D**
Project Number:	190204		**Sampling Date:**	3/14/2025			
Headspace PID:	ND						
Total Well Depth:	72.94	ft. below top of casing	**Water Column:**	59.69	feet		*= 0.041 * WC for 1" wells
Depth to Water:	13.25	ft. below top of casing	**Well Volume*:**	9.73	gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	3	gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	62.94	ft. below top of casing	**Well Diameter:**	2	inches		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.
Depth to Bottom of Screen:	72.94	ft. below top of casing	**Purging Device:**	QED Submersible Pump			
Approximate Pump Intake:	70	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 13:20	13.25	100	15.98	0.393	0.31	7.7	-140	1000+	
3/14/2025 13:25	13.25	100	16.06	0.394	0.31	7.69	-140	1000+	
3/14/2025 13:30	13.25	100	16.09	0.394	0.32	7.69	-140	1000+	
3/14/2025 13:35	13.25	100	16.1	0.396	0.31	7.69	-140	1000+	
3/14/2025 13:40	13.25	100	16.12	0.397	0.31	7.69	-139	1000+	
3/14/2025 13:45	13.25	100	16.14	0.398	0.31	7.7	-137	1000+	Water appeared cloudy. Purging disontinued after 2 hours.
3/14/2025 13:50	13.25	100	16.25	0.4	0.66	7.7	-118	1000+	
3/14/2025 13:55	13.25	100	16.28	0.404	0.48	7.72	-117	1000+	
SAMPLING									
3/14/2025 14:00	13.25	100	16.23	0.406	0.37	7.73	-123.0	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue			**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-02S
Project Location:	Bronx, NY			**Sampled By:**	Sean Curley, AKRF		
Project Number:	190204			**Sampling Date:**	3/14/2025		
Headspace PID:	ND						
Total Well Depth:	16.84	ft. below top of casing		**Water Column:**	3.89	feet	*= 0.041 * WC for 1" wells
Depth to Water:	12.95	ft. below top of casing		**Well Volume*:**	0.634	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing		**Volume Purged:**	3	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	6.84	ft. below top of casing		**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	16.84	ft. below top of casing		**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	15	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 7:40	12.85	100	12.84	1.29	12.8	6	125	1000	Slow recharge. Purging discontinued after 2 hours.
3/14/2025 7:45	12.85	100	12.86	1.28	14.2	5.8	127	1000	
3/14/2025 7:50	12.85	100	12.35	1.29	15.09	5.72	130	1000	
3/14/2025 7:55	12.85	100	12.05	1.39	14.94	5.76	129	1000	
3/14/2025 8:00	12.85	100	11.84	1.4	14.74	5.85	124	1000	
3/14/2025 8:05	12.85	100	11.8	0.744	19	5.94	118	1000	
3/14/2025 8:10	12.85	100	11.51	0.601	15.07	5.95	132	1000	
3/14/2025 8:15	12.85	100	11.39	0.494	13.6	5.99	170	1000	
3/14/2025 8:20	12.85	100	11.29	0.722	13.47	5.96	178	1000	
3/14/2025 8:25	12.85	100	11.16	0.89	13.42	5.97	138	1000	
3/14/2025 8:30	12.85	100	11.13	0.928	13.33	5.95	133	1000	
3/14/2025 8:35	12.85	100	11.07	0.961	13.08	5.94	131	1000	
3/14/2025 8:40	12.85	100	11.05	0.979	12.9	5.92	125	1000	
3/14/2025 8:45	12.85	100	11.06	1.02	12.6	5.91	121	1000	
3/14/2025 8:50	12.85	100	10.98	1.06	12.5	5.90	123.0	1000	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Sean Curley, AKRF			
Project Number:	190204		**Sampling Date:**	3/14/2025		**RDI-MW-02S**	
Headspace PID:	ND						
Total Well Depth:	16.84	ft. below top of casing	**Water Column:**	3.89	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.95	ft. below top of casing	**Well Volume*:**	0.634	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	3	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	6.84	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	16.84	ft. below top of casing	**Purging Device:**	QED Submersible Pump			
Approximate Pump Intake:	15	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)
3/14/2025 8:55	12.85	100	10.7	1.27	12.26	5.94	125	1000	Slow recharge. Purging discontinued after 2 hours.
3/14/2025 9:00	12.85	100	10.68	1.29	12.13	5.93	126	1000	
3/14/2025 9:05	12.85	100	10.85	1.3	12.1	5.94	127	1000	
3/14/2025 9:10	12.85	100	11.06	1.33	12.11	5.96	127	1000	
3/14/2025 9:15	12.85	100	11.33	1.35	12.13	5.95	128	1000	
3/14/2025 9:20	12.85	100	11.79	1.39	12.16	5.96	128	1000	
3/14/2025 9:25	12.85	100	12.11	1.41	12.19	5.98	128	1000	
3/14/2025 9:30	12.85	100	12.7	1.47	12.36	6	129	1000	
3/14/2025 9:35	12.85	100	12.62	1.48	12.4	5.99	129	1000	
3/14/2025 9:40	12.85	100	12.51	1.52	12.28	5.98	130	1000	
SAMPLING									
3/14/2025 9:50	12.85	100	11.7	1.58	13.23	6.05	121.0	1000	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Sean Curley, AKRF		
Project Number:	190204	**Sampling Date:**	3/14/2025		**RDI-MW-02I**
Headspace PID:	ND				
Total Well Depth:	44.56 ft. below top of casing	**Water Column:**	32.5 feet		*= 0.041 * WC for 1" wells
Depth to Water:	12.11 ft. below top of casing	**Well Volume*:**	5.29 gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	8 gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	34.56 ft. below top of casing	**Well Diameter:**	2 inches		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.
Depth to Bottom of Screen:	44.56 ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	40 ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/14/2025 10:30	12.05	100	14.9	0.415	18.85	5.81	-28	1000	No odor or sheen on purge water.
3/14/2025 10:35	12.05	100	15.12	0.417	15.09	5.84	-35	1000	
3/14/2025 10:40	12.05	100	15.55	0.42	13.85	5.87	-66	964	
3/14/2025 10:45	12.05	100	15.91	0.428	11.06	5.9	-97	696	
3/14/2025 10:50	12.05	100	15.89	0.426	11.02	5.91	-100	584	
3/14/2025 10:55	12.05	100	15.95	0.417	11	5.93	-110	440	
3/14/2025 11:00	12.05	100	16	0.404	11.48	5.93	-121	308	
3/14/2025 11:05	12.05	100	16.04	0.397	10.97	5.92	-129	268	
3/14/2025 11:10	12.05	100	16.1	0.393	10.85	5.8	-105	230	
3/14/2025 11:15	12.05	100	16.2	0.394	10.86	5.83	-132	202	
3/14/2025 11:20	12.05	100	16.22	0.394	10.84	5.87	-135	190	
3/14/2025 11:25	12.05	100	16.27	0.397	10.82	5.89	-143	169	
3/14/2025 11:30	12.05	100	16.33	0.398	10.96	5.91	-145	157	
3/14/2025 11:35	12.05	100	16.36	0.398	10.77	5.94	-148	147	
3/14/2025 11:40	12.05	100	16.33	0.399	10.55	5.87	-125.0	136	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Sean Curley, AKRF			
Project Number:	190204		**Sampling Date:**	3/14/2025		**RDI-MW-02I**	
Headspace PID:	ND						
Total Well Depth:	44.56	ft. below top of casing	**Water Column:**	32.5	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.11	ft. below top of casing	**Well Volume*:**	5.29	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	8	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	34.56	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	44.56	ft. below top of casing	**Purging Device:**	QED Submersible Pump			
Approximate Pump Intake:	40	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)
3/14/2025 11:45	12.05	100	16.35	0.4	10.52	5.87	-138	96.6	
3/14/2025 11:50	12.05	100	16.42	0.402	10.51	5.93	-147	89.1	
3/14/2025 11:55	12.05	100	16.43	0.402	10.47	5.92	-149	80.1	
3/14/2025 12:00	12.05	100	16.43	0.403	10.48	5.92	-150	76.9	
3/14/2025 12:05	12.05	100	16.47	0.404	10.81	5.94	-152	74.7	
3/14/2025 12:10	12.05	100	16.45	0.406	10.48	5.93	-152	68.9	
3/14/2025 12:15	12.05	100	16.47	0.407	10.41	5.91	-152	60.2	No odor or sheen on purge water.
3/14/2025 12:20	12.05	100	16.43	0.41	10.37	5.9	-152	49.1	
3/14/2025 12:25	12.05	100	16.43	0.411	10.36	5.93	-153	45.7	
3/14/2025 12:30	12.05	100	16.41	0.411	10.34	5.93	-154	41.6	
SAMPLING									
3/14/2025 12:40	12.05	100	16.51	0.42	9.95	5.81	-138.0	48.6	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Charlie MacArthur, AKRF		
Project Number:	190204	**Sampling Date:**	3/13/2025		**RDI-MW-02D**
Headspace PID:	ND				
Total Well Depth:	64.33 ft. below top of casing	**Water Column:**	50.58 feet		*= 0.041 * WC for 1" wells
Depth to Water:	13.75 ft. below top of casing	**Well Volume*:**	8.24 gallons		*= 0.163 * WC for 2" wells
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	3 gallons		*= 0.653 * WC for 4" wells
Depth to Top of Screen:	55 ft. below top of casing	**Well Diameter:**	2 inches		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.
Depth to Bottom of Screen:	65 ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	62 ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/13/2025 15:55	13.75	100	12.69	0.413	2.33	7.14	-50	1000+	No odor or sheen on purge water.
3/13/2025 16:00	13.75	100	14.21	0.427	2.13	7	-80	1000+	
3/13/2025 16:05	13.75	100	14	0.431	1.99	7.01	-113	1000+	
3/13/2025 16:10	13.75	100	13.77	0.426	1.97	7.06	-140	1000+	
3/13/2025 16:15	13.75	100	13.04	0.425	1.89	7.1	-125	1000+	
3/13/2025 16:20	13.75	100	13.06	0.426	2.01	7.1	-125	1000+	
3/13/2025 16:25	13.75	100	13.34	0.427	1.84	7.1	-135	1000+	
3/13/2025 16:30	13.75	100	13.5	0.426	1.88	7.1	-146	1000+	
3/13/2025 16:35	13.75	100	13.66	0.426	1.83	7.12	-147	1000+	
3/13/2025 16:40	13.75	100	13.69	0.423	1.95	7.14	-145	1000+	
3/13/2025 16:45	13.75	100	13.74	0.424	2.05	7.14	-143	1000+	
3/13/2025 16:50	13.75	100	13.8	0.423	1.97	7.14	-142	1000+	
3/13/2025 16:55	13.75	100	13.78	0.426	0.65	7.16	-151	1000+	
3/13/2025 17:00	13.75	100	13.74	0.429	0.71	7.29	-148	1000+	
3/13/2025 17:05	13.75	100	13.78	0.433	0.77	7.18	-148.0	1000+	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**	
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF			
Project Number:	190204		**Sampling Date:**	3/13/2025		**RDI-MW-02D**	
Headspace PID:	ND						
Total Well Depth:	64.33	ft. below top of casing	**Water Column:**	50.58	feet	*= 0.041 * WC for 1" wells	
Depth to Water:	13.75	ft. below top of casing	**Well Volume*:**	8.245	gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	3	gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	55	ft. below top of casing	**Well Diameter:**	2	inches	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.	
Depth to Bottom of Screen:	65	ft. below top of casing	**Purging Device:**	QED Submersible Pump			
Approximate Pump Intake:	62	ft. below top of casing					

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/13/2025 17:10	13.75	100	13.78	0.441	0.78	7.18	-149	418	No odor or sheen on purge water.
3/13/2025 17:15	13.75	100	13.88	0.445	0.74	7.17	-145	400	
3/13/2025 17:20	13.75	100	13.89	0.448	0.74	7.19	-149	375	
3/13/2025 17:25	13.75	100	13.92	0.453	0.72	7.19	-150	341	
3/13/2025 17:30	13.75	100	13.9	0.454	0.7	7.19	-148	329	
3/13/2025 17:35	13.75	100	13.87	0.459	0.69	7.21	-152	311	
3/13/2025 17:40	13.75	100	13.87	0.459	0.68	7.23	-151	295	
3/13/2025 17:45	13.75	100	13.88	0.462	0.68	7.25	-154	284	
3/13/2025 17:50	13.75	100	13.9	0.467	0.64	7.26	-156	270	
SAMPLING									
3/13/2025 18:00	13.75	100	13.96	0.471	0.63	7.26	-160.00	268	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Charlie MacArthur, AKRF		
Project Number:	190204	**Sampling Date:**	3/13/2025	**RDI-MW-03S**	
Headspace PID:	0.2				
Total Well Depth:	18.17 ft. below top of casing	**Water Column:**	5.04 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	13.13 ft. below top of casing	**Well Volume*:**	0.822 gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	2.5 gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	10 ft. below top of casing	**Well Diameter:**	2 inches	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.	
Depth to Bottom of Screen:	20 ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	16.6 ft. below top of casing				

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (^{o}C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
3/13/2025 8:55	13.1	100	13.72	1.26	10.81	6.07	284	377	No odor or sheen on purge water. Well was re-purged after laboratory glassware arrived onsite.
3/13/2025 9:00	13.1	100	14.51	1.26	10.87	6.12	273	172	
3/13/2025 9:05	13.1	100	14.53	1.25	10.85	6.13	264	92.7	
3/13/2025 9:10	13.1	100	14.66	1.26	10.75	6.09	261	76.1	
3/13/2025 9:15	13.1	100	14.65	1.31	10.75	6.02	255	57.4	
3/13/2025 9:20	13.1	100	14.65	1.44	10.65	5.99	252	43	
3/13/2025 9:25	13.1	100	14.69	1.52	10.6	5.97	248	35.8	
3/13/2025 9:30	13.1	100	14.44	1.66	10.56	6.02	239	35.8	
3/13/2025 9:35	13.1	100	14.56	1.78	10.44	5.97	237	28.1	
3/13/2025 9:40	13.1	100	14.62	1.83	10.43	5.95	233	24.5	
3/13/2025 9:45	13.1	100	14.59	1.89	10.4	5.94	231	24.5	
3/13/2025 12:30	13.1	100	15.2	1.34	4.7	6.82	279	3.1	
3/13/2025 12:35	13.1	100	15.02	1.28	4.77	6.8	281	4.6	
3/13/2025 12:40	13.1	100	14.93	1.28	4.65	6.79	281	7.1	
3/13/2025 12:45	13.1	100	14.87	1.28	4.47	6.79	282.0	9	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:**
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF		**RDI-MW-03S**
Project Number:	190204		**Sampling Date:**	3/13/2025		
Headspace PID:	0.2					
Total Well Depth:	18.17	ft. below top of casing	**Water Column:**	5.04	feet	*= 0.041 * WC for 1" wells
Depth to Water:	13.13	ft. below top of casing	**Well Volume*:**	0.822	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	2.5	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	10	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	20	ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	16.6	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)
3/13/2025 12:40	13.1	100	14.93	1.28	4.65	6.79	281	7.1	No odor or sheen on purge water. Well was re-purged after laboratory glassware arrived onsite.
3/13/2025 12:45	13.1	100	14.87	1.28	4.47	6.79	282	9.1	
3/13/2025 12:50	13.1	100	14.73	1.29	4.77	6.79	255	6.8	
3/13/2025 12:55	13.1	100	14.65	1.31	4.17	6.79	266	3.5	
3/13/2025 13:00	13.1	100	14.66	1.32	4.14	6.79	268	2.4	
3/13/2025 13:05	13.1	100	14.65	1.36	4.02	6.78	272	0.5	
3/13/2025 13:10	13.1	100	14.64	1.37	3.91	6.78	272	0.4	
SAMPLING									
3/14/2025 13:25	13.1	100	14.29	1.43	4.21	6.76	264.0	0.6	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-03I
Project Location:	Bronx, NY		**Sampled By:**	Sean Curley, AKRF		
Project Number:	190204		**Sampling Date:**	3/14/2025		
Headspace PID:	2.6					
Total Well Depth:	50.01	ft. below top of casing	**Water Column:**	37.96	feet	*= 0.041 * WC for 1" wells
Depth to Water:	12.05	ft. below top of casing	**Well Volume*:**	6.187	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	4	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	40	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	50	ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	47.5	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)
3/13/2025 9:30	16.05	100	14.38	0.593	12.68	6.85	8	445	No odor or sheen on purge water.
3/13/2025 9:35	16.05	100	14.4	0.587	9.64	6.8	8	335	
3/13/2025 9:40	16.05	100	14.41	0.585	9.01	6.74	10	281	
3/13/2025 10:20	16.05	100	13.8	0.758	9.94	5.96	16	114	
3/13/2025 10:25	16.05	100	14.61	0.741	9.81	5.97	12	98.4	
3/13/2025 10:30	16.05	100	14.78	0.735	9.76	5.96	-17	64.2	
3/13/2025 10:35	16.05	100	14.99	0.719	9.68	5.96	-22	48.1	
3/13/2025 10:40	16.05	100	15.15	0.705	9.63	5.95	-25	35.5	
3/13/2025 10:45	16.05	100	15.19	0.7	9.58	5.97	-33	37.2	
3/13/2025 10:50	16.05	100	15.31	0.69	9.5	5.96	-42	40.2	
3/13/2025 10:55	16.05	100	15.36	0.686	9.42	5.97	-46	42.4	
3/13/2025 11:50	16.05	100	15.48	0.693	8.75	5.77	-26	40	
3/13/2025 11:55	16.05	100	15.66	0.692	8.7	5.81	-44	32.7	
3/13/2025 12:00	16.05	100	15.88	0.703	8.68	5.86	-51	35	
3/13/2025 12:05	16.05	100	15.99	0.703	8.62	5.90	-53.0	42	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue	**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC	**Well ID:**	
Project Location:	Bronx, NY	**Sampled By:**	Sean Curley, AKRF		
Project Number:	190204	**Sampling Date:**	3/14/2025	**RDI-MW-03I**	
Headspace PID:	2.6				
Total Well Depth:	50.01 ft. below top of casing	**Water Column:**	37.96 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	12.05 ft. below top of casing	**Well Volume*:**	6.187 gallons	*= 0.163 * WC for 2" wells	
Product Thickness:	NA ft. below top of casing	**Volume Purged:**	4 gallons	*= 0.653 * WC for 4" wells	
Depth to Top of Screen:	40 ft. below top of casing	**Well Diameter:**	2 inches	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.	
Depth to Bottom of Screen:	50 ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	47.5 ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
SAMPLING									
3/14/2025 12:15	16.05	100	16	0.744	8.46	5.71	-42	15.8	No odor or sheen on purge water.
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-03D
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur and Sean Curley, AKRF		
Project Number:	190204		**Sampling Date:**	3/14/2025		
Headspace PID:	0.3					
Total Well Depth:	82.73	ft. below top of casing	**Water Column:**	69.93	feet	*= 0.041 * WC for 1" wells
Depth to Water:	12.8	ft. below top of casing	**Well Volume*:**	11.399	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	4	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	74	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	84	ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	80.2	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)
3/13/2025 13:00	12.8	100	15.45	0.984	7.98	5.62	-67	1000+	No odor or sheen on purge water. Battery for pump died at approximatley 14:10 and was recharged by 15:00.
3/13/2025 13:05	12.8	100	15.51	0.996	7.89	5.73	-76	1000+	
3/13/2025 13:10	12.8	100	15.6	1.02	7.94	5.81	-98	1000+	
3/13/2025 13:15	12.8	100	15.57	1.02	7.96	5.87	-111	1000+	
3/13/2025 13:20	12.8	100	15.55	1.02	7.95	5.87	-114	1000+	
3/13/2025 13:25	12.8	100	15.53	1.02	8.01	5.88	-115	906	
3/13/2025 13:30	12.8	100	15.41	1.03	8.04	5.89	-118	567	
3/13/2025 13:35	12.8	100	15.36	1.03	8.05	5.89	-119	460	
3/13/2025 13:40	12.8	100	15.27	1.03	8.06	5.9	-122	402	
3/13/2025 13:45	12.8	100	15.18	1.03	8.08	5.92	-124	313	
3/13/2025 13:50	12.8	100	15.05	1.04	8.1	5.93	-126	386	
3/13/2025 13:55	12.8	100	15	1.04	8.1	5.94	-127	391	
3/13/2025 14:00	12.8	100	14.84	1.04	8.11	5.94	-128	368	
3/13/2025 14:05	12.8	100	14.65	1.04	8.13	5.96	-129	353	
3/13/2025 14:10	12.8	100	14.27	1.05	8.08	5.96	-128.0	288	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Project Name:	521 East Tremont Avenue		**Client:**	M521 Tremont LLC and 521 Tremont Owner LLC		**Well ID:** RDI-MW-03D
Project Location:	Bronx, NY		**Sampled By:**	Charlie MacArthur, AKRF		
Project Number:	190204		**Sampling Date:**	3/13/2025		
Headspace PID:	0.3					
Total Well Depth:	82.73	ft. below top of casing	**Water Column:**	69.93	feet	*= 0.041 * WC for 1" wells
Depth to Water:	12.8	ft. below top of casing	**Well Volume*:**	11.399	gallons	*= 0.163 * WC for 2" wells
Product Thickness:	NA	ft. below top of casing	**Volume Purged:**	4	gallons	*= 0.653 * WC for 4" wells
Depth to Top of Screen:	74	ft. below top of casing	**Well Diameter:**	2	inches	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.
Depth to Bottom of Screen:	84	ft. below top of casing	**Purging Device:**	QED Submersible Pump		
Approximate Pump Intake:	80.2	ft. below top of casing				

Time	**Depth to Water** (ft.)	**Purge Rate** (ml/min)	**Temperature** (^{o}C)	**Conductivity** (mS/cm)	**Dissolved Oxygen** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
3/13/2025 15:00	12.8	100	12.9	1.07	7.17	5.88	-84	325	No odor or sheen on purge water. Battery for pump died at approximatley 14:10 and was recharged by 15:00.
3/13/2025 15:05	12.8	100	13.18	1.07	7.17	5.86	-88	339	
3/13/2025 15:10	12.8	100	13.6	1.06	7.23	5.88	-97	278	
3/13/2025 15:15	12.8	100	13.8	1.07	7.25	5.89	-103	241	
3/13/2025 15:20	12.8	100	13.84	1.07	7.26	5.88	-104	202	
3/13/2025 15:25	12.8	100	13.94	1.07	7.25	5.91	-109	170	
3/13/2025 15:30	12.8	100	13.99	1.07	7.22	5.92	-113	140	
3/13/2025 15:35	12.8	100	14	1.07	7.21	5.92	-114	133	
3/13/2025 15:40	12.8	100	14.02	1.07	7.21	5.93	-116	125	
3/13/2025 15:45	12.8	100	14.03	1.07	7.2	5.94	-117	118	
3/13/2025 15:50	12.8	100	14.05	1.07	7.2	5.95	-119	109	
SAMPLING									
3/13/2025 16:00	12.8	100	14.08	1.07	7.20	5.97	-125.0	98	
Stabilization Criteria:				**+/- 3% mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	

Notes:

ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - mililiter per minute mS/cm - MilliSiemens per centimeter mg/L - miligrams per liter

Groundwater samples analyzed for chlorinated VOCs (CVOCs) by EPA Method 8260.

APPENDIX B
LABORATORY DATA DELIVERABLES AND DUSR FOR GROUNDWATER

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adrianna Bosco
AKRF Inc
440 Park Avenue South
7th Floor
New York NY 10016

Generated 3/21/2025 3:22 PM

JOB DESCRIPTION

521 East Tremont Ave, Bronx, NY

JOB NUMBER

460-322205-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

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
3/21/2025 3:22 PM

Authorized for release by
Elizabeth J Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
732 549-3900

Table of Contents

Cover Title Page 1

Data Summaries 5

- Report Narrative 5
- Sample Summary 6
- Detection Summary 7
- Method Summary 9
- Client Sample Results 10
- Surrogate Summary 18
- QC Sample Results 19
- Definitions 23
- QC Association 24
- Chronicle 25
- Certification Summary 27
- Reagent Traceability 28
  - COAs 41

Organic Sample Data 85

- GC/MS VOA 85
  - 8260D 85
    - 8260D QC Summary 86
    - 8260D Sample Data 97
    - Standards Data 184
      - 8260D ICAL Data 184
      - 8260D CCAL Data 536
    - Raw QC Data 559
      - 8260D Tune Data 559
      - 8260D Blank Data 564

Table of Contents

8260D LCS/LCSD Data 568
8260D MS/MSD Data 582
8260D Run Logs 596
8260D Prep Data 598
Shipping and Receiving Documents 604
Client Chain of Custody 605
Sample Receipt Checklist 608

CASE NARRATIVE

Client: AKRF Inc

Project: 521 East Tremont Ave, Bronx, NY

Report Number: 460-322205-1

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 3/14/2025 6:45 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 1.7º 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 (GC/MS)
Samples RDI-MW-03S_20250313 (460-322205-1), RDI-MW-03I_20250313 (460-322205-2), RDI-MW-03D_20250313 (460-322205-3), RDI-MW-02D_20250313 (460-322205-4), RDI-MW-02I_20250314 (460-322205-5), RDI-MW-02S_20250314 (460-322205-6), RDI-MW-01S_20250314 (460-322205-7), RDI-MW-01I_20250314 (460-322205-8), RDI-MW-01D_20250314 (460-322205-9), RDI-MW-X_20250314 (460-322205-10), RDI-TB_20250313 (460-322205-11) and RDI-FB_20250313 (460-322205-12) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 03/19/2025.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-322205-1	RDI-MW-03S_20250313	Water	03/13/25 13:20	03/14/25 18:45
460-322205-2	RDI-MW-03I_20250313	Water	03/13/25 12:17	03/14/25 18:45
460-322205-3	RDI-MW-03D_20250313	Water	03/13/25 15:45	03/14/25 18:45
460-322205-4	RDI-MW-02D_20250313	Water	03/13/25 17:00	03/14/25 18:45
460-322205-5	RDI-MW-02I_20250314	Water	03/14/25 12:40	03/14/25 18:45
460-322205-6	RDI-MW-02S_20250314	Water	03/14/25 09:50	03/14/25 18:45
460-322205-7	RDI-MW-01S_20250314	Water	03/14/25 08:45	03/14/25 18:45
460-322205-8	RDI-MW-01I_20250314	Water	03/14/25 11:30	03/14/25 18:45
460-322205-9	RDI-MW-01D_20250314	Water	03/14/25 14:10	03/14/25 18:45
460-322205-10	RDI-MW-X_20250314	Water	03/14/25 14:10	03/14/25 18:45
460-322205-11	RDI-TB_20250313	Water	03/14/25 17:00	03/14/25 18:45
460-322205-12	RDI-FB_20250313	Water	03/13/25 14:00	03/14/25 18:45

Detection Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Client Sample ID: RDI-MW-03S_20250313 — Lab Sample ID: 460-322205-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.73	J	1.0	0.33	ug/L	1		8260D	Total/NA
Tetrachloroethene	36		0.40	0.28	ug/L	1		8260D	Total/NA
Trichloroethene	0.68		0.28	0.074	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-03I_20250313 — Lab Sample ID: 460-322205-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.7		1.0	0.33	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.2		1.0	0.48	ug/L	1		8260D	Total/NA
Tetrachloroethene	83		0.40	0.28	ug/L	1		8260D	Total/NA
Trichloroethene	9.0		0.28	0.074	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-03D_20250313 — Lab Sample ID: 460-322205-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.95	J	1.0	0.26	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.48	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.1		0.40	0.28	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	3.5		1.0	0.24	ug/L	1		8260D	Total/NA
Trichloroethene	20		0.28	0.074	ug/L	1		8260D	Total/NA
Vinyl chloride	0.62	J	1.0	0.40	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-02D_20250313 — Lab Sample ID: 460-322205-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.5		1.0	0.48	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.2		0.40	0.28	ug/L	1		8260D	Total/NA
Trichloroethene	2.1		0.28	0.074	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-02I_20250314 — Lab Sample ID: 460-322205-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.46	J	1.0	0.33	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.48	ug/L	1		8260D	Total/NA
Tetrachloroethene	42		0.40	0.28	ug/L	1		8260D	Total/NA
Trichloroethene	2.0		0.28	0.074	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-02S_20250314 — Lab Sample ID: 460-322205-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.4		1.0	0.33	ug/L	1		8260D	Total/NA
Tetrachloroethene	18		0.40	0.28	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-01S_20250314 — Lab Sample ID: 460-322205-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3		1.0	0.33	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.51		0.40	0.28	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-01I_20250314 — Lab Sample ID: 460-322205-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.0		1.0	0.33	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Client Sample ID: RDI-MW-01D_20250314
Lab Sample ID: 460-322205-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.75	J	1.0	0.33	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-MW-X_20250314
Lab Sample ID: 460-322205-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.51	J	1.0	0.33	ug/L	1		8260D	Total/NA

Client Sample ID: RDI-TB_20250313
Lab Sample ID: 460-322205-11

No Detections.

Client Sample ID: RDI-FB_20250313
Lab Sample ID: 460-322205-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

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

Laboratory References:

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

Client Sample ID: RDI-MW-03S_20250313
Lab Sample ID: 460-322205-1

Date Collected: 03/13/25 13:20
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 15:10	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 15:10	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 15:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 15:10	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 15:10	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 15:10	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 15:10	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 15:10	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 15:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 15:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 15:10	1
Chloroform	**0.73**	**J**	1.0	0.33	ug/L			03/19/25 15:10	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 15:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 15:10	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 15:10	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 15:10	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 15:10	1
Tetrachloroethene	**36**		0.40	0.28	ug/L			03/19/25 15:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 15:10	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 15:10	1
Trichloroethene	**0.68**		0.28	0.074	ug/L			03/19/25 15:10	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*		*03/19/25 15:10*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*03/19/25 15:10*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 132*		*03/19/25 15:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/19/25 15:10*	*1*

Client Sample ID: RDI-MW-03I_20250313
Lab Sample ID: 460-322205-2

Date Collected: 03/13/25 12:17
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 15:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 15:34	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 15:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 15:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 15:34	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 15:34	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 15:34	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 15:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 15:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 15:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 15:34	1
Chloroform	**3.7**		1.0	0.33	ug/L			03/19/25 15:34	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 15:34	1
cis-1,2-Dichloroethene	**3.2**		1.0	0.48	ug/L			03/19/25 15:34	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 15:34	1

Client Sample ID: RDI-MW-03I_20250313
Lab Sample ID: 460-322205-2
Date Collected: 03/13/25 12:17
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 15:34	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 15:34	1
Tetrachloroethene	**83**		0.40	0.28	ug/L			03/19/25 15:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 15:34	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 15:34	1
Trichloroethene	**9.0**		0.28	0.074	ug/L			03/19/25 15:34	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*		*03/19/25 15:34*	*1*
4-Bromofluorobenzene	*95*		*76 - 120*		*03/19/25 15:34*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 132*		*03/19/25 15:34*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/25 15:34*	*1*

Client Sample ID: RDI-MW-03D_20250313
Lab Sample ID: 460-322205-3
Date Collected: 03/13/25 15:45
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 15:59	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 15:59	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 15:59	1
1,1-Dichloroethane	**0.95**	**J**	1.0	0.26	ug/L			03/19/25 15:59	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 15:59	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 15:59	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 15:59	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 15:59	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 15:59	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 15:59	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 15:59	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/19/25 15:59	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 15:59	1
cis-1,2-Dichloroethene	**36**		1.0	0.48	ug/L			03/19/25 15:59	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 15:59	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 15:59	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 15:59	1
Tetrachloroethene	**3.1**		0.40	0.28	ug/L			03/19/25 15:59	1
trans-1,2-Dichloroethene	**3.5**		1.0	0.24	ug/L			03/19/25 15:59	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 15:59	1
Trichloroethene	**20**		0.28	0.074	ug/L			03/19/25 15:59	1
Vinyl chloride	**0.62**	**J**	1.0	0.40	ug/L			03/19/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*03/19/25 15:59*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*03/19/25 15:59*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*03/19/25 15:59*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/25 15:59*	*1*

Client Sample ID: RDI-MW-02D_20250313
Lab Sample ID: 460-322205-4

Date Collected: 03/13/25 17:00
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 16:23	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 16:23	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 16:23	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 16:23	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 16:23	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 16:23	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 16:23	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 16:23	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 16:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 16:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 16:23	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/19/25 16:23	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 16:23	1
cis-1,2-Dichloroethene	**3.5**		1.0	0.48	ug/L			03/19/25 16:23	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 16:23	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 16:23	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 16:23	1
Tetrachloroethene	**1.2**		0.40	0.28	ug/L			03/19/25 16:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 16:23	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 16:23	1
Trichloroethene	**2.1**		0.28	0.074	ug/L			03/19/25 16:23	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*03/19/25 16:23*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*03/19/25 16:23*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 132*		*03/19/25 16:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/19/25 16:23*	*1*

Client Sample ID: RDI-MW-02I_20250314
Lab Sample ID: 460-322205-5

Date Collected: 03/14/25 12:40
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 14:45	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 14:45	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 14:45	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 14:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 14:45	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 14:45	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 14:45	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 14:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 14:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 14:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 14:45	1
Chloroform	**0.46**	**J**	1.0	0.33	ug/L			03/19/25 14:45	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 14:45	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.48	ug/L			03/19/25 14:45	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 14:45	1

Client Sample ID: RDI-MW-02I_20250314
Lab Sample ID: 460-322205-5

Date Collected: 03/14/25 12:40
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 14:45	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 14:45	1
Tetrachloroethene	**42**		0.40	0.28	ug/L			03/19/25 14:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 14:45	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 14:45	1
Trichloroethene	**2.0**		0.28	0.074	ug/L			03/19/25 14:45	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*		*03/19/25 14:45*	*1*
4-Bromofluorobenzene	*90*		*76 - 120*		*03/19/25 14:45*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 132*		*03/19/25 14:45*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/19/25 14:45*	*1*

Client Sample ID: RDI-MW-02S_20250314
Lab Sample ID: 460-322205-6

Date Collected: 03/14/25 09:50
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 16:48	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 16:48	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 16:48	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 16:48	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 16:48	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 16:48	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 16:48	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 16:48	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 16:48	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 16:48	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 16:48	1
Chloroform	**1.4**		1.0	0.33	ug/L			03/19/25 16:48	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 16:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 16:48	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 16:48	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 16:48	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 16:48	1
Tetrachloroethene	**18**		0.40	0.28	ug/L			03/19/25 16:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 16:48	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 16:48	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 16:48	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*		*03/19/25 16:48*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*03/19/25 16:48*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 132*		*03/19/25 16:48*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/19/25 16:48*	*1*

Client Sample ID: RDI-MW-01S_20250314
Lab Sample ID: 460-322205-7

Date Collected: 03/14/25 08:45
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 17:12	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 17:12	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 17:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 17:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 17:12	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 17:12	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 17:12	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 17:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 17:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 17:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 17:12	1
Chloroform	**1.3**		1.0	0.33	ug/L			03/19/25 17:12	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 17:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 17:12	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 17:12	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 17:12	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 17:12	1
Tetrachloroethene	**0.51**		0.40	0.28	ug/L			03/19/25 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 17:12	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 17:12	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 17:12	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 128*		*03/19/25 17:12*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*03/19/25 17:12*	*1*
Dibromofluoromethane (Surr)	*110*		*77 - 132*		*03/19/25 17:12*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/19/25 17:12*	*1*

Client Sample ID: RDI-MW-01I_20250314
Lab Sample ID: 460-322205-8

Date Collected: 03/14/25 11:30
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 17:36	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 17:36	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 17:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 17:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 17:36	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 17:36	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 17:36	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 17:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 17:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 17:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 17:36	1
Chloroform	**1.0**		1.0	0.33	ug/L			03/19/25 17:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 17:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 17:36	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 17:36	1

Client Sample ID: RDI-MW-01I_20250314
Lab Sample ID: 460-322205-8

Date Collected: 03/14/25 11:30
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 17:36	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 17:36	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 17:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 17:36	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 17:36	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 17:36	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*03/19/25 17:36*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*03/19/25 17:36*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 132*		*03/19/25 17:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/19/25 17:36*	*1*

Client Sample ID: RDI-MW-01D_20250314
Lab Sample ID: 460-322205-9

Date Collected: 03/14/25 14:10
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 18:01	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 18:01	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 18:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 18:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 18:01	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 18:01	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 18:01	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 18:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 18:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 18:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 18:01	1
Chloroform	**0.75**	**J**	1.0	0.33	ug/L			03/19/25 18:01	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 18:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 18:01	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 18:01	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 18:01	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 18:01	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 18:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 18:01	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 18:01	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 18:01	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*03/19/25 18:01*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*03/19/25 18:01*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 132*		*03/19/25 18:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/25 18:01*	*1*

Client Sample ID: RDI-MW-X_20250314
Lab Sample ID: 460-322205-10

Date Collected: 03/14/25 14:10
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 18:25	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 18:25	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 18:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 18:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 18:25	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 18:25	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 18:25	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 18:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 18:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 18:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 18:25	1
Chloroform	**0.51**	**J**	1.0	0.33	ug/L			03/19/25 18:25	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 18:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 18:25	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 18:25	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 18:25	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 18:25	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 18:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 18:25	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 18:25	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 18:25	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*		*03/19/25 18:25*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*03/19/25 18:25*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 132*		*03/19/25 18:25*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/19/25 18:25*	*1*

Client Sample ID: RDI-TB_20250313
Lab Sample ID: 460-322205-11

Date Collected: 03/14/25 17:00
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 13:57	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 13:57	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 13:57	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 13:57	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 13:57	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 13:57	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 13:57	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 13:57	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 13:57	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 13:57	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 13:57	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/19/25 13:57	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 13:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 13:57	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 13:57	1

Client Sample ID: RDI-TB_20250313
Lab Sample ID: 460-322205-11

Date Collected: 03/14/25 17:00
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 13:57	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 13:57	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 13:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 13:57	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 13:57	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 13:57	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*		*03/19/25 13:57*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*03/19/25 13:57*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 132*		*03/19/25 13:57*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/19/25 13:57*	*1*

Client Sample ID: RDI-FB_20250313
Lab Sample ID: 460-322205-12

Date Collected: 03/13/25 14:00
Matrix: Water
Date Received: 03/14/25 18:45

Method: SW846 8260D - Volatile Organic Compounds by 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			03/19/25 14:21	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 14:21	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 14:21	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 14:21	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 14:21	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 14:21	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 14:21	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 14:21	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 14:21	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 14:21	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 14:21	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/19/25 14:21	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 14:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 14:21	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 14:21	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 14:21	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 14:21	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 14:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 14:21	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 14:21	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 14:21	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*		*03/19/25 14:21*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*03/19/25 14:21*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 132*		*03/19/25 14:21*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/19/25 14:21*	*1*

Surrogate Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-322205-1	RDI-MW-03S_20250313	104	88	108	102
460-322205-2	RDI-MW-03I_20250313	103	95	108	105
460-322205-3	RDI-MW-03D_20250313	100	92	104	105
460-322205-4	RDI-MW-02D_20250313	105	93	109	106
460-322205-5	RDI-MW-02I_20250314	104	90	105	100
460-322205-5 MS	RDI-MW-02I_20250314	101	100	106	104
460-322205-5 MSD	RDI-MW-02I_20250314	101	98	106	100
460-322205-6	RDI-MW-02S_20250314	103	88	109	103
460-322205-7	RDI-MW-01S_20250314	106	91	110	103
460-322205-8	RDI-MW-01I_20250314	105	91	107	103
460-322205-9	RDI-MW-01D_20250314	105	89	108	105
460-322205-10	RDI-MW-X_20250314	104	93	109	107
460-322205-11	RDI-TB_20250313	104	94	107	105
460-322205-12	RDI-FB_20250313	102	93	105	103
LCS 460-1026611/4	Lab Control Sample	103	98	111	104
LCSD 460-1026611/5	Lab Control Sample Dup	101	99	110	103
MB 460-1026611/9	Method Blank	105	89	107	104

Surrogate Legend

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

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

Lab Sample ID: MB 460-1026611/9
Matrix: Water
Analysis Batch: 1026611

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			03/19/25 10:16	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			03/19/25 10:16	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			03/19/25 10:16	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/19/25 10:16	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/19/25 10:16	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			03/19/25 10:16	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			03/19/25 10:16	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			03/19/25 10:16	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/19/25 10:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/19/25 10:16	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/19/25 10:16	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/19/25 10:16	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/19/25 10:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			03/19/25 10:16	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			03/19/25 10:16	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			03/19/25 10:16	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			03/19/25 10:16	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			03/19/25 10:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/19/25 10:16	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			03/19/25 10:16	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			03/19/25 10:16	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			03/19/25 10:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*03/19/25 10:16*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*03/19/25 10:16*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 132*		*03/19/25 10:16*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/19/25 10:16*	*1*

Lab Sample ID: LCS 460-1026611/4
Matrix: Water
Analysis Batch: 1026611

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	19.2		ug/L		96	72 - 128
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	63 - 139
1,1,2-Trichloroethane	20.0	19.9		ug/L		100	74 - 125
1,1-Dichloroethane	20.0	21.0		ug/L		105	73 - 130
1,1-Dichloroethene	20.0	19.5		ug/L		98	68 - 133
1,2-Dichloroethane	20.0	19.4		ug/L		97	66 - 129
1,2-Dichloropropane	20.0	21.9		ug/L		110	72 - 128
Dichlorobromomethane	20.0	22.1		ug/L		111	76 - 121
Carbon tetrachloride	20.0	20.0		ug/L		100	65 - 131
Chlorobenzene	20.0	20.6		ug/L		103	80 - 120
Chloroethane	20.0	23.7		ug/L		119	54 - 150
Chloroform	20.0	19.5		ug/L		98	78 - 125
Chloromethane	20.0	24.4		ug/L		122	43 - 149
cis-1,2-Dichloroethene	20.0	19.7		ug/L		98	78 - 121

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

Lab Sample ID: LCS 460-1026611/4
Matrix: Water
Analysis Batch: 1026611

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
cis-1,3-Dichloropropene			20.0	20.0		ug/L		100	74 - 125		
Chlorodibromomethane			20.0	21.6		ug/L		108	73 - 121		
Methylene Chloride			20.0	20.7		ug/L		103	74 - 127		
Tetrachloroethene			20.0	18.0		ug/L		90	70 - 127		
trans-1,2-Dichloroethene			20.0	19.8		ug/L		99	70 - 126		
trans-1,3-Dichloropropene			20.0	18.4		ug/L		92	71 - 127		
Trichloroethene			20.0	20.1		ug/L		101	73 - 121		
Vinyl chloride			20.0	23.2		ug/L		116	55 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*111*		*77 - 132*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 460-1026611/5
Matrix: Water
Analysis Batch: 1026611

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	19.9		ug/L		100	72 - 128	4	30
1,1,2,2-Tetrachloroethane			20.0	18.3		ug/L		91	63 - 139	1	30
1,1,2-Trichloroethane			20.0	19.8		ug/L		99	74 - 125	1	30
1,1-Dichloroethane			20.0	22.0		ug/L		110	73 - 130	5	30
1,1-Dichloroethene			20.0	20.4		ug/L		102	68 - 133	4	30
1,2-Dichloroethane			20.0	19.7		ug/L		99	66 - 129	1	30
1,2-Dichloropropane			20.0	22.8		ug/L		114	72 - 128	4	30
Dichlorobromomethane			20.0	22.8		ug/L		114	76 - 121	3	30
Carbon tetrachloride			20.0	20.6		ug/L		103	65 - 131	3	30
Chlorobenzene			20.0	21.1		ug/L		106	80 - 120	3	30
Chloroethane			20.0	23.8		ug/L		119	54 - 150	0	30
Chloroform			20.0	20.7		ug/L		104	78 - 125	6	30
Chloromethane			20.0	24.2		ug/L		121	43 - 149	1	30
cis-1,2-Dichloroethene			20.0	20.7		ug/L		104	78 - 121	5	30
cis-1,3-Dichloropropene			20.0	20.6		ug/L		103	74 - 125	3	30
Chlorodibromomethane			20.0	22.0		ug/L		110	73 - 121	2	30
Methylene Chloride			20.0	20.5		ug/L		102	74 - 127	1	30
Tetrachloroethene			20.0	19.6		ug/L		98	70 - 127	9	30
trans-1,2-Dichloroethene			20.0	19.8		ug/L		99	70 - 126	0	30
trans-1,3-Dichloropropene			20.0	19.0		ug/L		95	71 - 127	3	30
Trichloroethene			20.0	20.2		ug/L		101	73 - 121	0	30
Vinyl chloride			20.0	23.2		ug/L		116	55 - 144	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 460-322205-5 MS
Client Sample ID: RDI-MW-02I_20250314
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 1026611

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	18.5		ug/L		93	72 - 128
1,1,2,2-Tetrachloroethane	0.20	U	20.0	17.3		ug/L		87	63 - 139
1,1,2-Trichloroethane	0.58	U	20.0	18.3		ug/L		92	74 - 125
1,1-Dichloroethane	1.0	U	20.0	19.6		ug/L		98	73 - 130
1,1-Dichloroethene	1.0	U	20.0	16.8		ug/L		84	68 - 133
1,2-Dichloroethane	0.30	U	20.0	17.6		ug/L		88	66 - 129
1,2-Dichloropropane	0.92	U	20.0	20.1		ug/L		100	72 - 128
Dichlorobromomethane	0.98	U	20.0	19.5		ug/L		97	76 - 121
Carbon tetrachloride	1.0	U	20.0	17.8		ug/L		89	65 - 131
Chlorobenzene	1.0	U	20.0	19.5		ug/L		98	80 - 120
Chloroethane	1.0	U	20.0	22.7		ug/L		113	54 - 150
Chloroform	0.46	J	20.0	19.1		ug/L		93	78 - 125
Chloromethane	1.0	U	20.0	23.6		ug/L		118	43 - 149
cis-1,2-Dichloroethene	1.4		20.0	20.9		ug/L		98	78 - 121
cis-1,3-Dichloropropene	0.45	U	20.0	18.9		ug/L		94	74 - 125
Chlorodibromomethane	0.78	U	20.0	20.4		ug/L		102	73 - 121
Methylene Chloride	1.0	U	20.0	18.8		ug/L		94	74 - 127
Tetrachloroethene	42		20.0	58.2		ug/L		80	70 - 127
trans-1,2-Dichloroethene	1.0	U	20.0	17.2		ug/L		86	70 - 126
trans-1,3-Dichloropropene	0.45	U	20.0	18.2		ug/L		91	71 - 127
Trichloroethene	2.0		20.0	19.7		ug/L		89	73 - 121
Vinyl chloride	1.0	U	20.0	22.6		ug/L		113	55 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 132*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 460-322205-5 MSD
Client Sample ID: RDI-MW-02I_20250314
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 1026611

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	19.3		ug/L		96	72 - 128	4	30
1,1,2,2-Tetrachloroethane	0.20	U	20.0	18.5		ug/L		92	63 - 139	6	30
1,1,2-Trichloroethane	0.58	U	20.0	20.3		ug/L		101	74 - 125	10	30
1,1-Dichloroethane	1.0	U	20.0	20.7		ug/L		103	73 - 130	5	30
1,1-Dichloroethene	1.0	U	20.0	18.7		ug/L		93	68 - 133	11	30
1,2-Dichloroethane	0.30	U	20.0	18.1		ug/L		90	66 - 129	3	30
1,2-Dichloropropane	0.92	U	20.0	21.9		ug/L		109	72 - 128	9	30
Dichlorobromomethane	0.98	U	20.0	21.2		ug/L		106	76 - 121	8	30
Carbon tetrachloride	1.0	U	20.0	20.5		ug/L		102	65 - 131	14	30
Chlorobenzene	1.0	U	20.0	20.2		ug/L		101	80 - 120	3	30
Chloroethane	1.0	U	20.0	23.0		ug/L		115	54 - 150	1	30
Chloroform	0.46	J	20.0	20.3		ug/L		99	78 - 125	6	30
Chloromethane	1.0	U	20.0	24.7		ug/L		124	43 - 149	5	30
cis-1,2-Dichloroethene	1.4		20.0	21.6		ug/L		101	78 - 121	3	30

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

Lab Sample ID: 460-322205-5 MSD
Client Sample ID: RDI-MW-02I_20250314
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 1026611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.45	U	20.0	19.8		ug/L		99	74 - 125	5	30
Chlorodibromomethane	0.78	U	20.0	21.9		ug/L		110	73 - 121	7	30
Methylene Chloride	1.0	U	20.0	20.2		ug/L		101	74 - 127	7	30
Tetrachloroethene	42		20.0	60.6		ug/L		92	70 - 127	4	30
trans-1,2-Dichloroethene	1.0	U	20.0	19.0		ug/L		95	70 - 126	10	30
trans-1,3-Dichloropropene	0.45	U	20.0	18.9		ug/L		95	71 - 127	4	30
Trichloroethene	2.0		20.0	21.5		ug/L		98	73 - 121	9	30
Vinyl chloride	1.0	U	20.0	22.9		ug/L		115	55 - 144	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

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.
☼	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
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

GC/MS VOA

Analysis Batch: 1026611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-322205-1	RDI-MW-03S_20250313	Total/NA	Water	8260D	
460-322205-2	RDI-MW-03I_20250313	Total/NA	Water	8260D	
460-322205-3	RDI-MW-03D_20250313	Total/NA	Water	8260D	
460-322205-4	RDI-MW-02D_20250313	Total/NA	Water	8260D	
460-322205-5	RDI-MW-02I_20250314	Total/NA	Water	8260D	
460-322205-6	RDI-MW-02S_20250314	Total/NA	Water	8260D	
460-322205-7	RDI-MW-01S_20250314	Total/NA	Water	8260D	
460-322205-8	RDI-MW-01I_20250314	Total/NA	Water	8260D	
460-322205-9	RDI-MW-01D_20250314	Total/NA	Water	8260D	
460-322205-10	RDI-MW-X_20250314	Total/NA	Water	8260D	
460-322205-11	RDI-TB_20250313	Total/NA	Water	8260D	
460-322205-12	RDI-FB_20250313	Total/NA	Water	8260D	
MB 460-1026611/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1026611/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1026611/5	Lab Control Sample Dup	Total/NA	Water	8260D	
460-322205-5 MS	RDI-MW-02I_20250314	Total/NA	Water	8260D	
460-322205-5 MSD	RDI-MW-02I_20250314	Total/NA	Water	8260D	

Lab Chronicle

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Client Sample ID: RDI-MW-03S_20250313
Lab Sample ID: 460-322205-1
Date Collected: 03/13/25 13:20
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 15:10

Client Sample ID: RDI-MW-03I_20250313
Lab Sample ID: 460-322205-2
Date Collected: 03/13/25 12:17
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 15:34

Client Sample ID: RDI-MW-03D_20250313
Lab Sample ID: 460-322205-3
Date Collected: 03/13/25 15:45
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 15:59

Client Sample ID: RDI-MW-02D_20250313
Lab Sample ID: 460-322205-4
Date Collected: 03/13/25 17:00
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 16:23

Client Sample ID: RDI-MW-02I_20250314
Lab Sample ID: 460-322205-5
Date Collected: 03/14/25 12:40
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 14:45

Client Sample ID: RDI-MW-02S_20250314
Lab Sample ID: 460-322205-6
Date Collected: 03/14/25 09:50
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 16:48

Client Sample ID: RDI-MW-01S_20250314
Lab Sample ID: 460-322205-7
Date Collected: 03/14/25 08:45
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 17:12

Lab Chronicle

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Client Sample ID: RDI-MW-01I_20250314
Lab Sample ID: 460-322205-8
Date Collected: 03/14/25 11:30
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 17:36

Client Sample ID: RDI-MW-01D_20250314
Lab Sample ID: 460-322205-9
Date Collected: 03/14/25 14:10
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 18:01

Client Sample ID: RDI-MW-X_20250314
Lab Sample ID: 460-322205-10
Date Collected: 03/14/25 14:10
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 18:25

Client Sample ID: RDI-TB_20250313
Lab Sample ID: 460-322205-11
Date Collected: 03/14/25 17:00
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 13:57

Client Sample ID: RDI-FB_20250313
Lab Sample ID: 460-322205-12
Date Collected: 03/13/25 14:00
Matrix: Water
Date Received: 03/14/25 18:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1026611	SZD	EET EDI	03/19/25 14:21

Laboratory References:

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

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-322205-1
Project/Site: 521 East Tremont Ave, Bronx, NY

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
524FREONS_00031	03/21/25	02/21/25	MeOH, Lot EI863-US	10 mL	7 Freons_00008	250 uL	1,1,1-Trifluoro-2,2-dichloroethane	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Chlorodifluoromethane	50 ug/mL
							Chlorotrifluoroethene	50 ug/mL
.7 Freons_00008	04/07/26		Absolute, Lot 040723		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
7 Freons Hi_00025	03/27/25	02/27/25	MeOH, Lot EI863-US	5 mL	7 Freons_00008	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	500 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	500 ug/mL
							Chlorodifluoromethane	500 ug/mL
							Chlorotrifluoroethene	500 ug/mL
.7 Freons_00008	04/07/26		Absolute, Lot 040723		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
8260 SP_00190	03/28/25	02/28/25	MeOH, Lot EI836-US	10 mL	Mega Mix SS_00022	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-Dichloropropane	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Methylene Chloride	50 ug/mL
							Tetrachloroethene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
.Mega Mix SS_00022	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260ISNEW_00210	09/30/29		RESTEK, Lot A0217062		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
8260MIX1COMB_00201	03/20/25	02/20/25	MeOH, Lot EI863-US	50 mL	2-CEVEC_00032	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00015	0.5 mL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00026	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00025	1 mL	1,2,4,5-Tetramethylbenzene	50 ug/mL
							2,3-Dihydroindene	50 ug/mL
							2-Methyl-1,3-butadiene	50 ug/mL
							4-Ethyltoluene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Cyclopentene	50 ug/mL
							Isopropyl acetate	50 ug/mL
							Methyl acrylate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							p-Diethylbenzene	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00031	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					LIST2/STD6_00024	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00027	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_00043	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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

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
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					POLAR ADD_00031	1 mL	Acetonitrile	500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					Vinyl Acetate_00102	1 mL	Vinyl acetate	100 ug/mL
.2-CEVEC_00032	06/30/27		RESTEK, Lot A0213181		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.EPICH(working_00015	09/24/25	11/21/24	MeOH, Lot EI863-US	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)_00026	01/31/28		RESTEK, Lot A0220852		(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd_00025	01/08/28		Absolute, Lot 010825		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.KetonesC_00031	04/30/27		RESTEK, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.LIST2/STD6_00024	03/31/26		RESTEK, Lot A0216327		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00027	01/31/26		RESTEK, Lot A0213624		(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_00043	04/30/26		RESTEK, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	2500 ug/mL
.POLAR ADD_00031	04/30/26		RESTEK, Lot A0210249		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
.Vinyl Acetate_00102	09/30/25		RESTEK, Lot A0209567		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260SURR250_00253	04/12/25	02/12/25	MeOH, Lot EI863-US	50 mL	8260 SURR C_00068	5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.8260 SURR C_00068	05/31/29		RESTEK, Lot A0211048		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
ACROLEIN W_00180	03/14/25	02/14/25	MeOH, Lot EI863-US	10 mL	ACROLEIN_00025	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00025	09/30/25		RESTEK, Lot A0209476		(Purchased Reagent)		Acrolein	20000 ug/mL
ACRY/EPIH MIX_00135	03/28/25	02/28/25	MeOH, Lot EI863-US	10 mL	Acrylonitrile_00010	500 uL	Acrylonitrile	50 ug/mL
					EPICH(working_00015	12.5 uL	Epichlorohydrin	125 ug/mL
.Acrylonitrile_00010	06/15/26		ABSOLUTE, Lot 061523		(Purchased Reagent)		Acrylonitrile	1000 ug/mL
.EPICH(working_00015	09/24/25	11/21/24	MeOH, Lot EI863-US	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
BFB_00038							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Xylenes, Total	
					VMC21SU_00011	100 uL	4-Bromofluorobenzene	25 ug/mL
							BFB	25 ug/mL
.VMC21SU_00011	03/08/27		Absolute, Lot 030822		(Purchased Reagent)		4-Bromofluorobenzene	2500 ug/mL
							BFB	2500 ug/mL
Ethanol mix_00099	03/27/25	02/27/25	MeOH, Lot EI863-US	5 mL	ETHANOL(new)_00026	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new)_00026	01/31/28		RESTEK, Lot A0220852		(Purchased Reagent)		Ethanol	100000 ug/mL
GAS C SP_00612	03/07/25	02/28/25	MeOH, Lot EI863-US	10 mL	GASES SS_00028	0.2 mL	Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES SS_00028	05/31/27		RESTEK, Lot A0211505		(Purchased Reagent)		Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS Hi_00490	03/12/25	02/26/25	MeOH, Lot EI863-US	5 mL	GASES C_00041	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL
							Chloroethane	500 ug/mL
							Chloromethane	500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	500 ug/mL
							Dichlorofluoromethane	500 ug/mL
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00041	05/31/27		RESTEK, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00629	03/07/25	02/28/25	MeOH, Lot EI863-US	50 mL	GASES C_00041	1 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00041	05/31/27		RESTEK, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00631	03/20/25	03/13/25	MeOH, Lot EI863-US	25 mL	GASES C_00042	500 uL	Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00042	05/31/27		RESTEK, Lot A0211969		(Purchased Reagent)		Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
MIX 2 Hi_00159	03/27/25	02/27/25	MeOH, Lot EI863-US	5 mL	2-CEVEC_00032	1 mL	2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00025	1 mL	1,2,4,5-Tetramethylbenzene	500 ug/mL
							2,3-Dihydroindene	500 ug/mL
							2-Methyl-1,3-butadiene	500 ug/mL
							4-Ethyltoluene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Cyclopentene	500 ug/mL
							Isopropyl acetate	500 ug/mL
							Methyl acrylate	500 ug/mL
							n-Butyl acrylate	500 ug/mL
							n-Propyl acetate	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Diethylbenzene	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00024	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							1,3,5-Trichlorobenzene	500 ug/mL
							2-Chloro-1,3-butadiene	500 ug/mL
							2-Nitropropane	1000 ug/mL
							Benzyl chloride	500 ug/mL
							Isooctane	500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Methacrylonitrile	5000 ug/mL
							n-Butanol	12500 ug/mL
					LIST2/STD7_00027	1 mL	Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
							Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL
					POLAR ADD_00031	1 mL	Acetonitrile	5000 ug/mL
							Isopropyl ether	500 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	500 ug/mL
							Tert-butyl ethyl ether	500 ug/mL
.2-CEVEC_00032	06/30/27		RESTEK, Lot A0213181		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.Extra Cmpd_00025	01/08/28		Absolute, Lot 010825		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.LIST2/STD6_00024	03/31/26		RESTEK, Lot A0216327		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00027	01/31/26		RESTEK, Lot A0213624		(Purchased Reagent)		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.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.POLAR ADD_00031	04/30/26		RESTEK, Lot A0210249		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
MIX I Hi_00186	03/27/25	02/27/25	MeOH, Lot EI863-US	5 mL	EPICH(working_00015	0.5 mL	Epichlorohydrin	10000 ug/mL
					KetonesC_00031	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
					Mega Mix_00043	1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL
							1,1,1-Trichloroethane	500 ug/mL
							1,1,2,2-Tetrachloroethane	500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	500 ug/mL
							1,1,2-Trichloroethane	500 ug/mL
							1,1-Dichloroethane	500 ug/mL
							1,1-Dichloroethene	500 ug/mL
							1,1-Dichloropropene	500 ug/mL
							1,2,3-Trichlorobenzene	500 ug/mL
							1,2,3-Trichloropropane	500 ug/mL
							1,2,4-Trichlorobenzene	500 ug/mL
							1,2,4-Trimethylbenzene	500 ug/mL
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL
							Chlorodibromomethane	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromomethane	500 ug/mL
							Dichlorobromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethyl methacrylate	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tert-butyl ether	500 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
							Trichloroethene	500 ug/mL
					Vinyl Acetate_00102	1 mL	Vinyl acetate	1000 ug/mL
.EPICH(working_00015	09/24/25	11/21/24	MeOH, Lot EI863-US	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.KetonesC_00031	04/30/27		RESTEK, Lot A0210935		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00043	04/30/26		RESTEK, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00102	09/30/25	RESTEK, Lot A0209567			(Purchased Reagent)		Vinyl acetate	5000 ug/mL

Reagent

2-CEVEC_00032

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2577

1/3/25 MS #12275362

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.:** A0213181

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 : June 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCV7865	99%	2,508.8 µg/mL	+/- 31.2225

* 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.

Page 608

Reagent

7 Freons_00008

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 65833
Lot Number: 040723
Description: Freon Standard Rev 1
7 components
Expiration Date: 040726
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EF282-USQ5

R2563
MS 12/10/24 #12227931

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Eli Aliaga		040723
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		040723
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6	1000 ppm(3500mg/m3/8H)	N/A
2. Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3	N/A	N/A
3. Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9	N/A	N/A
4. 1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4	N/A	N/A
5. 2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2	N/A	N/A
6. 1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6	N/A	N/A
7. 1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0	500 ppm	N/A

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

Reagent

8260 SURR C_00068

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2586

MS 1/22/25

12305105

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.:** A0211048

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 : May 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,502.2 µg/mL	+/- 140.5627
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,501.3 µg/mL	+/- 140.5094
3	Toluene-d8	2037-26-5	PR-34141	99%	2,502.8 µg/mL	+/- 140.5965
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,501.6 µg/mL	+/- 140.5262

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

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

Reagent

8260ISNEW_00210

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2592

MS 2/7/25 #12340821

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.:** A0217062

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 : September 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,001.3 µg/mL	+/- 62.1141
2	2-Butanone-d5	24313-50-6	M-276	99%	1,250.9 µg/mL	+/- 15.5357
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.0 µg/mL	+/- 3.1065
4	1,4-Dioxane-d8	17647-74-4	RP240917A	99%	5,004.3 µg/mL	+/- 62.1513
5	Chlorobenzene-d5	3114-55-4	PR-31132	99%	250.3 µg/mL	+/- 3.1102
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	250.7 µg/mL	+/- 3.1152

* 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 608

Reagent

ACROLEIN_00025

R2511

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 568720 **Lot No.:** A0209476

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 : September 30, 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	Acrolein	107-02-8	RP240118CTH	99%	19,917.5 µg/mL	+/- 585.1357

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

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

Page 008 of 008

Reagent

Acrylonitrile_00010

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79007
Lot Number: 061523
Description: Acrylonitrile

Solvent: Methanol **Lot#** EE584-USQ7

R2520 MS 5/21/24 #11756671

Eli Aliaga	061523
Formulated By: Eli Aliaga	DATE
Pedro Rentas	061523
Reviewed By: Pedro L. Rentas	DATE

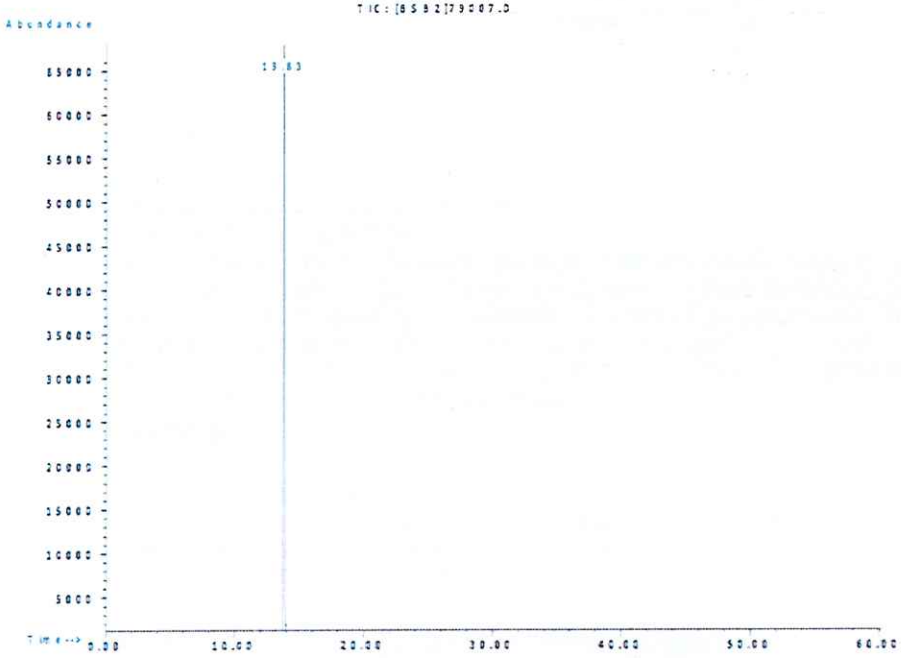
Expiration Date: 061526
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

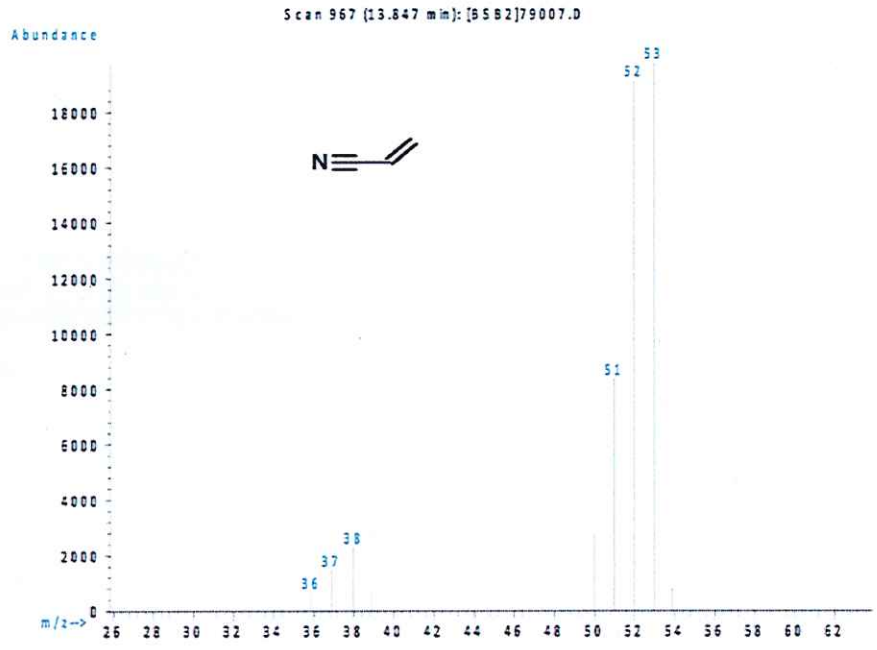
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	1000	99	0.2	0.05054	0.05063	1001.9	4.5	107-13-1	N/A	orl-rat 78 mg/kg

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





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

Reagent

EPICHLO(NEAT)_00001

R1584

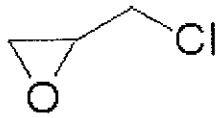
SIGMA-ALDRICH®

sigma-aldrich.com

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
(±)-Epichlorohydrin - purum, ≥99% (GC)



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

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

Jamie Gleason

Jamie Gleason, Manager
Quality Control
Sheboygan Falls, WI US

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)_00026

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

R2582

MS 1/15/25 #12292276

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.:** A0220852

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, 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	Ethanol	64-17-5	SHBR7934	99%	100,059.0 µg/mL	+/- 1,244.6087

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

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

Reagent

Extra Cmpd_00025

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 98593
Lot Number: 010825
Description: VOC Standard 2015
14 components
Expiration Date: 010828
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Methanol EJ143-USQ6

R2581

MS 1/10/25 #12285003

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 75.0 0.021 Flask Uncertainty

Prashant Chauhan		010825
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		010825
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Amyl acetate	1515	OGL01	2500	98	0.2	0.19133	0.19150	2502.3	10.4	628-63-7	100 ppm (525 mg/m3/8H)	orl-rbt 7400 mg/kg
2. tert-Amyl ethyl ether	2609	IKVYB-KF	2500	98	0.2	0.19133	0.19144	2501.5	10.4	919-94-8	N/A	inh-mus 81284mg/m3/15H
3. n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.18939	0.18948	2501.1	10.3	141-32-2	10 ppm (55mg/m3/8H)	orl-rat 900mg/kg
4. Butyl methacrylate	1314	03220HG	2500	99	0.2	0.18939	0.18950	2501.4	10.3	97-88-1	N/A	orl-rat 18 g/kg
5. Cyclopentene	519	MKCL5160	2500	98.3	0.2	0.19074	0.19089	2501.9	10.4	142-29-0	N/A	orl-rat 1656mg/kg
6. 4-Ethyltoluene	1001	031097	2500	99	0.2	0.18939	0.18945	2500.7	10.3	622-96-8	N/A	N/A
7. Indan	955	06309PV	2500	96	0.2	0.19531	0.19545	2501.8	10.6	496-11-7	N/A	N/A
8. Isoprene	1541	SHBN7340	2500	99.7	0.2	0.18806	0.18825	2502.5	10.2	78-79-5	N/A	N/A
9. Isopropyl acetate	1106	MKCQ4616	2500	99.90	0.2	0.18769	0.18781	2501.6	10.2	108-21-4	250 ppm (950mg/m3)	orl-rbt 6946mg/kg
10. Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.18769	0.18780	2501.5	10.2	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
11. n-Pentane	783	LX202310NP	**5000**	99.57	0.2	0.37662	0.37682	**5002.7**	20.3	109-66-0	600 ppm(1800mg/m3/8H)	ivn-mus 446mg/kg
12. Propyl acetate	1105	05017HY	2500	99	0.2	0.18939	0.18950	2501.4	10.3	109-60-4	200 ppm (840mg/m3)	orl-rat 9370mg/kg
13. 1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.19133	0.19150	2502.3	10.4	95-93-2	N/A	orl-rat 6989mg/kg
14. 1,4-Diethylbenzene	949	OGE01	2500	98	0.2	0.19133	0.19148	2502.0	10.4	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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

GASES C_00041

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2527

MS 6/6/24 # 11794792

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.:** A0211969

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,523.8 µg/mL	+/- 142.4301
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,527.3 µg/mL	+/- 142.5086
3	Vinyl chloride	75-01-4	00015559	99%	2,526.1 µg/mL	+/- 142.4075
4	1,3-Butadiene	106-99-0	00019375	99%	2,523.9 µg/mL	+/- 142.3851
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,520.8 µg/mL	+/- 142.6962
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,520.7 µg/mL	+/- 142.3441
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,524.5 µg/mL	+/- 141.8155
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,518.0 µg/mL	+/- 141.8687

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

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

Reagent

GASES C_00042

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

R2588

MS 2/5/25 # 12335374

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.:** A0211969

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,523.8 µg/mL	+/- 142.4301
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,527.3 µg/mL	+/- 142.5086
3	Vinyl chloride	75-01-4	00015559	99%	2,526.1 µg/mL	+/- 142.4075
4	1,3-Butadiene	106-99-0	00019375	99%	2,523.9 µg/mL	+/- 142.3851
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,520.8 µg/mL	+/- 142.6962
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,520.7 µg/mL	+/- 142.3441
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,524.5 µg/mL	+/- 141.8155
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,518.0 µg/mL	+/- 141.8687

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

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

Pag 608

Reagent

GASES SS_00028

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2560

MS 11/1/24 #12143985

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.:** A0211505

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, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,506.6 µg/mL	+/- 141.9557
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,508.3 µg/mL	+/- 142.1039
3	Vinyl chloride	75-01-4 *	00015559	99%	2,513.8 µg/mL	+/- 142.7235
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,508.8 µg/mL	+/- 142.0275
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,535.7 µg/mL	+/- 145.7487
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,503.6 µg/mL	+/- 141.4181
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,523.6 µg/mL	+/- 141.7792
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,509.1 µg/mL	+/- 141.8184

* 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_00031

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

MS 2/6/25 R2590 #12337663

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.:** A0210935

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 : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* 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 608

Reagent

LIST2/STD6_00024

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

1/8125 MS R2580 #12280646

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 570808 **Lot No.:** A0216327

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 : 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	2-Propanol (isopropanol)	67-63-0	SHBR6536	99%	25,028.0 µg/mL	+/- 409.2558
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	SYN240402ECS	99%	2,515.0 µg/mL	+/- 41.1371
3	Methacrylonitrile	126-98-7	1012014	99%	25,025.0 µg/mL	+/- 409.2067
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	2,512.0 µg/mL	+/- 41.0880
5	1-Butanol	71-36-3	101601K21K	99%	62,571.0 µg/mL	+/- 1,023.1558
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,019.8 µg/mL	+/- 82.1065
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,509.0 µg/mL	+/- 41.0390
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	2,507.8 µg/mL	+/- 41.0197
9	Benzyl chloride	100-44-7	MKCM5986	99%	2,509.0 µg/mL	+/- 41.0390
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,510.0 µg/mL	+/- 41.0553

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

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

Page 2008

Reagent

LIST2/STD7_00027

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2579

1/3125 MS

#122753641

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.:** A0213624

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, 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	Ethyl acetate	141-78-6	SHBR4534	99%	5,029.0 µg/mL	+/- 173.8139
2	Ethyl acrylate	140-88-5	10129902	99%	2,508.5 µg/mL	+/- 86.7053
3	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,011.5 µg/mL	+/- 173.2091
4	Butyl acetate	123-86-4	SHBR2024	99%	2,508.5 µg/mL	+/- 86.7053

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

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

Page 808

Reagent

Mega Mix SS_00022

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2538

MS 8/20/24 # 11963397

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

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

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

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

Page 2 of 608

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSPO	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC DMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC PI4SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

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

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

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

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

Reagent

Mega Mix_00043

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

MS 1/3/25 R 2576 #12275361

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 571992 **Lot No.:** A0203458

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

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

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

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,515.0 µg/mL	+/- 86.9068
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00016133	99%	2,518.8 µg/mL	+/- 87.0364
3	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,516.3 µg/mL	+/- 86.9500
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,095.0 µg/mL	+/- 867.1659
5	Methyl acetate	79-20-9	SHBP3100	99%	5,016.4 µg/mL	+/- 173.3427
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,517.4 µg/mL	+/- 86.9888
7	Allyl chloride (3-chloropropene)	107-05-1	RD230914ECS	99%	2,515.9 µg/mL	+/- 86.9370
8	Methylene chloride (dichloromethane)	75-09-2	SHBQ6376	99%	2,513.8 µg/mL	+/- 86.8636
9	Carbon disulfide	75-15-0	Q30J743	99%	2,512.9 µg/mL	+/- 86.8333
10	Acrylonitrile	107-13-1	102466R02E	99%	25,031.9 µg/mL	+/- 864.9846
11	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,513.8 µg/mL	+/- 86.8636
12	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,514.0 µg/mL	+/- 86.8722
13	n-Hexane (C6)	110-54-3	STBG6381	99%	2,520.3 µg/mL	+/- 87.0882
14	1,1-Dichloroethane	75-34-3	852900	99%	2,514.0 µg/mL	+/- 86.8722
15	2,2-Dichloropropane	594-20-7	RD230426	99%	2,521.3 µg/mL	+/- 87.1227
16	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,514.9 µg/mL	+/- 86.9025

Page 9 of 608

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,561.0	µg/mL	+/- 2,161.8157
18	chloroform	67-66-3	SHBN8469	99%	2,513.6	µg/mL	+/- 86.8593
19	Bromochloromethane	74-97-5	230810JLM	99%	2,513.5	µg/mL	+/- 86.8549
20	Tetrahydrofuran	109-99-9	SHBQ8516	99%	5,020.9	µg/mL	+/- 173.4982
21	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,513.5	µg/mL	+/- 86.8549
22	Cyclohexane	110-82-7	MKCQ2001	99%	2,513.5	µg/mL	+/- 86.8549
23	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,514.3	µg/mL	+/- 86.8809
24	carbon tetrachloride	56-23-5	SHBP4875	99%	2,513.0	µg/mL	+/- 86.8377
25	n-Heptane (C7)	142-82-5	044743T01D	99%	2,515.4	µg/mL	+/- 86.9197
26	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,513.5	µg/mL	+/- 86.8549
27	Benzene	71-43-2	MKCS3357	99%	2,513.4	µg/mL	+/- 86.8506
28	Trichloroethene	79-01-6	SHBN3720	99%	2,513.6	µg/mL	+/- 86.8593
29	Methylcyclohexane	108-87-2	SHBN1699	99%	2,514.8	µg/mL	+/- 86.8981
30	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,514.9	µg/mL	+/- 86.9025
31	1,4-Dioxane	123-91-1	SHBQ2407	99%	50,131.4	µg/mL	+/- 1,732.3059
32	Dibromomethane	74-95-3	10233302	99%	2,514.6	µg/mL	+/- 86.8938
33	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,513.5	µg/mL	+/- 86.8549
34	Toluene	108-88-3	MKCS9989	99%	2,512.9	µg/mL	+/- 86.8333
35	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,508.3	µg/mL	+/- 86.6752
36	trans-1,3-Dichloropropene	10061-02-6	RD220816	99%	2,512.9	µg/mL	+/- 86.8333
37	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,513.5	µg/mL	+/- 86.8549
38	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,514.1	µg/mL	+/- 86.8765
39	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,514.0	µg/mL	+/- 86.8722
40	dibromochloromethane	124-48-1	MKCQ4517	99%	2,512.9	µg/mL	+/- 86.8333
41	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,515.0	µg/mL	+/- 86.9068
42	Chlorobenzene	108-90-7	SHBN6640	99%	2,515.0	µg/mL	+/- 86.9068
43	m-Xylene	108-38-3	SHBN6673	99%	1,254.8	µg/mL	+/- 43.3584
44	p-Xylene	106-42-3	SHBP5191	99%	1,257.0	µg/mL	+/- 43.4361
45	Ethylbenzene	100-41-4	094632L21G	99%	2,514.1	µg/mL	+/- 86.8765
46	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,514.9	µg/mL	+/- 86.9025
47	o-Xylene	95-47-6	50069309	99%	2,514.0	µg/mL	+/- 86.8722
48	Styrene	100-42-5	MKCQ3390	99%	2,514.0	µg/mL	+/- 86.8722
49	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,514.1	µg/mL	+/- 86.8765
50	bromoform	75-25-2	050494L04R	99%	2,515.3	µg/mL	+/- 86.9154
51	bromodichloromethane	75-27-4	MKCF8470	99%	2,512.5	µg/mL	+/- 86.8204
52	1,1,2,2-Tetrachloroethane	79-34-5	QQJ41	99%	2,515.3	µg/mL	+/- 86.9154

53	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,513.5	µg/mL	+/- 86.8534
54	trans-1,4-dichloro-2-butene	110-57-6	RD230720RSR	94%	2,504.7	µg/mL	+/- 86.5525
55	n-Propylbenzene	103-65-1	G08M	98%	2,511.4	µg/mL	+/- 86.7814
56	Bromobenzene	108-86-1	MKCQ7174	99%	2,514.8	µg/mL	+/- 86.8981
57	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,513.8	µg/mL	+/- 86.8636
58	2-Chlorotoluene	95-49-8	235783M23T	99%	2,514.8	µg/mL	+/- 86.8981
59	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,514.9	µg/mL	+/- 86.9025
60	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,514.0	µg/mL	+/- 86.8722
61	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,515.9	µg/mL	+/- 86.9370
62	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,515.3	µg/mL	+/- 86.9154
63	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,514.9	µg/mL	+/- 86.9025
64	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,515.3	µg/mL	+/- 86.9154
65	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,514.9	µg/mL	+/- 86.9025
66	n-Butylbenzene	104-51-8	09418JJ	99%	2,514.5	µg/mL	+/- 86.8895
67	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,514.3	µg/mL	+/- 86.8809
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,510.4	µg/mL	+/- 86.7464
69	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,514.9	µg/mL	+/- 86.9025
70	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,510.0	µg/mL	+/- 86.7349
71	Naphthalene	91-20-3	STBL1057	99%	2,514.3	µg/mL	+/- 86.8809
72	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,514.1	µg/mL	+/- 86.8765

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

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

Reagent

POLAR ADD_00031

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

1/3/25 MS R2578 #12275363

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.:** A0210249

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 : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBR1054	99%	25,019.2 µg/mL	+/- 409.1119
2	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	2,512.4 µg/mL	+/- 41.0946
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	2,519.0 µg/mL	+/- 41.2024
4	Propionitrile	107-12-0	BCCH7430	99%	25,234.4 µg/mL	+/- 412.6308
5	tert-Amyl alcohol	75-85-4	STBK3485	99%	25,096.4 µg/mL	+/- 410.3743
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	2,517.2 µg/mL	+/- 41.1731

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

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

Page 608

Reagent

Vinyl Acetate_00102

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2558

MS 10/15/24 #12100078

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.:** A0209567

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 : September 30, 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	RP231030CTH	98%	5,034.8 µg/mL	+/- 173.9777

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

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

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

Reagent

VMC21SU_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19167
Lot Number: 030822
Description: CLP - Instrument Performance Check Solution
p-Bromofluorobenzene
Expiration Date: 030827
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2500
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EB373-US

R2384

MS 3/31/23 #10669421

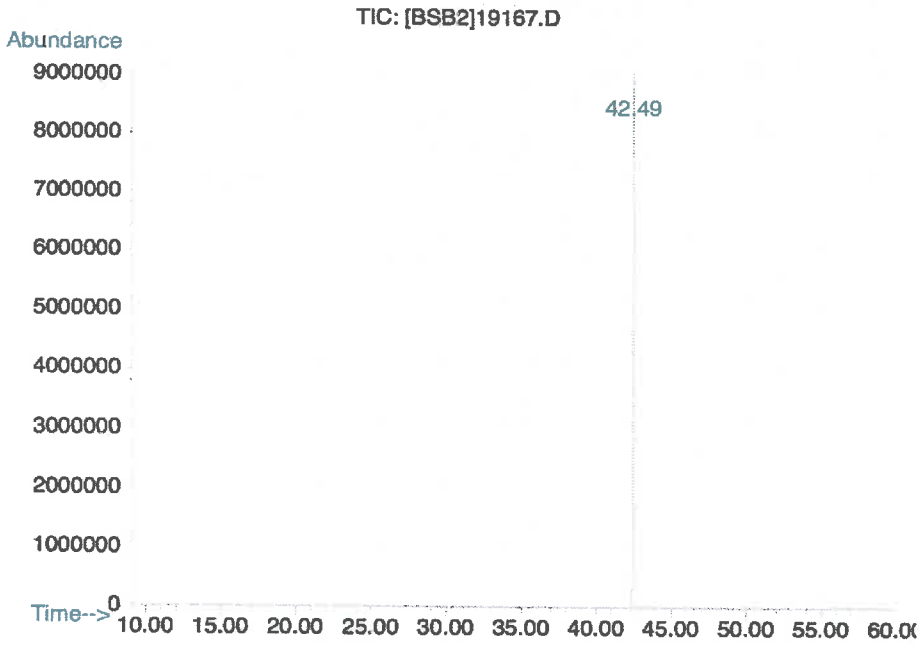
5E-05 Balance Uncertainty

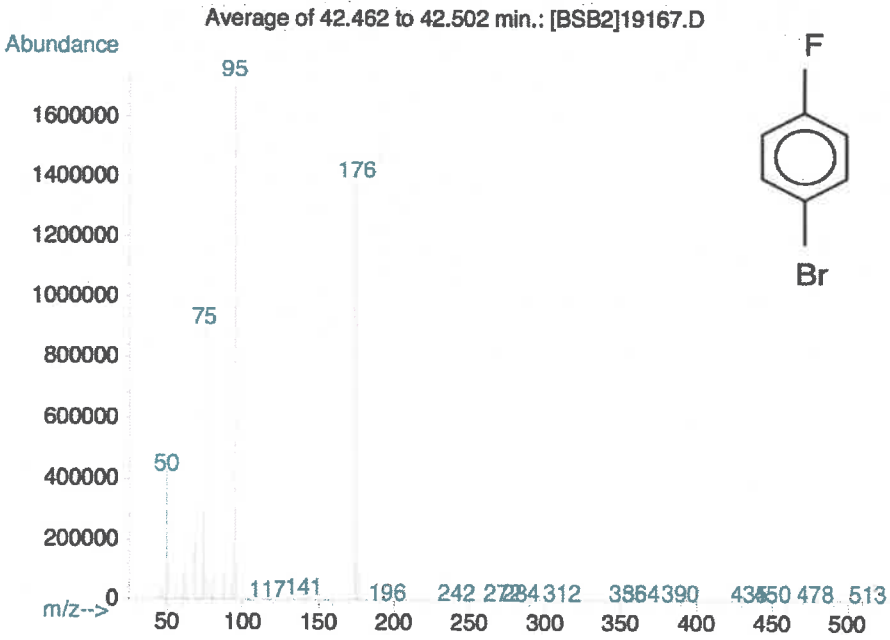
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

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

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	p-Bromofluorobenzene	48	01127COV	2500	99	0.2	0.25254	0.25286	2503.2	10.2	460-00-4	N/A	orl-rat 2700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness).Temp. 1=35°C (10min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. Solvent vent time = 6 min. Analysis performed by Candice Warren.





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

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-322205-1

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 #
RDI-MW-03S_20250313	460-322205-1	108	104	102	88
RDI-MW-03I_20250313	460-322205-2	108	103	105	95
RDI-MW-03D_20250313	460-322205-3	104	100	105	92
RDI-MW-02D_20250313	460-322205-4	109	105	106	93
RDI-MW-02I_20250314	460-322205-5	105	104	100	90
RDI-MW-02S_20250314	460-322205-6	109	103	103	88
RDI-MW-01S_20250314	460-322205-7	110	106	103	91
RDI-MW-01I_20250314	460-322205-8	107	105	103	91
RDI-MW-01D_20250314	460-322205-9	108	105	105	89
RDI-MW-X_20250314	460-322205-10	109	104	107	93
RDI-TB_20250313	460-322205-11	107	104	105	94
RDI-FB_20250313	460-322205-12	105	102	103	93
	MB 460-1026611/9	107	105	104	89
	LCS 460-1026611/4	111	103	104	98
	LCSD 460-1026611/5	110	101	103	99
RDI-MW-02I_20250314 MS	460-322205-5 MS	106	101	104	100
RDI-MW-02I_20250314 MSD	460-322205-5 MSD	106	101	100	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-132
DCA = 1,2-Dichloroethane-d4 (Surr)	70-128
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A23684.D

Lab ID: LCS 460-1026611/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.2	96	72-128	
1,1,2,2-Tetrachloroethane	20.0	18.0	90	63-139	
1,1,2-Trichloroethane	20.0	19.9	100	74-125	
1,1-Dichloroethane	20.0	21.0	105	73-130	
1,1-Dichloroethene	20.0	19.5	98	68-133	
1,2-Dichloroethane	20.0	19.4	97	66-129	
1,2-Dichloropropane	20.0	21.9	110	72-128	
Dichlorobromomethane	20.0	22.1	111	76-121	
Carbon tetrachloride	20.0	20.0	100	65-131	
Chlorobenzene	20.0	20.6	103	80-120	
Chloroethane	20.0	23.7	119	54-150	
Chloroform	20.0	19.5	98	78-125	
Chloromethane	20.0	24.4	122	43-149	
cis-1,2-Dichloroethene	20.0	19.7	98	78-121	
cis-1,3-Dichloropropene	20.0	20.0	100	74-125	
Chlorodibromomethane	20.0	21.6	108	73-121	
Methylene Chloride	20.0	20.7	103	74-127	
Tetrachloroethene	20.0	18.0	90	70-127	
trans-1,2-Dichloroethene	20.0	19.8	99	70-126	
trans-1,3-Dichloropropene	20.0	18.4	92	71-127	
Trichloroethene	20.0	20.1	101	73-121	
Vinyl chloride	20.0	23.2	116	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A23685.D

Lab ID: LCSD 460-1026611/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.9	100	4	30	72-128	
1,1,2,2-Tetrachloroethane	20.0	18.3	91	1	30	63-139	
1,1,2-Trichloroethane	20.0	19.8	99	1	30	74-125	
1,1-Dichloroethane	20.0	22.0	110	5	30	73-130	
1,1-Dichloroethene	20.0	20.4	102	4	30	68-133	
1,2-Dichloroethane	20.0	19.7	99	1	30	66-129	
1,2-Dichloropropane	20.0	22.8	114	4	30	72-128	
Dichlorobromomethane	20.0	22.8	114	3	30	76-121	
Carbon tetrachloride	20.0	20.6	103	3	30	65-131	
Chlorobenzene	20.0	21.1	106	3	30	80-120	
Chloroethane	20.0	23.8	119	0	30	54-150	
Chloroform	20.0	20.7	104	6	30	78-125	
Chloromethane	20.0	24.2	121	1	30	43-149	
cis-1,2-Dichloroethene	20.0	20.7	104	5	30	78-121	
cis-1,3-Dichloropropene	20.0	20.6	103	3	30	74-125	
Chlorodibromomethane	20.0	22.0	110	2	30	73-121	
Methylene Chloride	20.0	20.5	102	1	30	74-127	
Tetrachloroethene	20.0	19.6	98	9	30	70-127	
trans-1,2-Dichloroethene	20.0	19.8	99	0	30	70-126	
trans-1,3-Dichloropropene	20.0	19.0	95	3	30	71-127	
Trichloroethene	20.0	20.2	101	0	30	73-121	
Vinyl chloride	20.0	23.2	116	0	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A23694.D

Lab ID: 460-322205-5 MS Client ID: RDI-MW-02I_20250314 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	18.5	93	72-128	
1,1,2,2-Tetrachloroethane	20.0	0.20 U	17.3	87	63-139	
1,1,2-Trichloroethane	20.0	0.58 U	18.3	92	74-125	
1,1-Dichloroethane	20.0	1.0 U	19.6	98	73-130	
1,1-Dichloroethene	20.0	1.0 U	16.8	84	68-133	
1,2-Dichloroethane	20.0	0.30 U	17.6	88	66-129	
1,2-Dichloropropane	20.0	0.92 U	20.1	100	72-128	
Dichlorobromomethane	20.0	0.98 U	19.5	97	76-121	
Carbon tetrachloride	20.0	1.0 U	17.8	89	65-131	
Chlorobenzene	20.0	1.0 U	19.5	98	80-120	
Chloroethane	20.0	1.0 U	22.7	113	54-150	
Chloroform	20.0	0.46 J	19.1	93	78-125	
Chloromethane	20.0	1.0 U	23.6	118	43-149	
cis-1,2-Dichloroethene	20.0	1.4	20.9	98	78-121	
cis-1,3-Dichloropropene	20.0	0.45 U	18.9	94	74-125	
Chlorodibromomethane	20.0	0.78 U	20.4	102	73-121	
Methylene Chloride	20.0	1.0 U	18.8	94	74-127	
Tetrachloroethene	20.0	42	58.2	80	70-127	
trans-1,2-Dichloroethene	20.0	1.0 U	17.2	86	70-126	
trans-1,3-Dichloropropene	20.0	0.45 U	18.2	91	71-127	
Trichloroethene	20.0	2.0	19.7	89	73-121	
Vinyl chloride	20.0	1.0 U	22.6	113	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A23695.D

Lab ID: 460-322205-5 MSD Client ID: RDI-MW-02I_20250314 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.3	96	4	30	72-128	
1,1,2,2-Tetrachloroethane	20.0	18.5	92	6	30	63-139	
1,1,2-Trichloroethane	20.0	20.3	101	10	30	74-125	
1,1-Dichloroethane	20.0	20.7	103	5	30	73-130	
1,1-Dichloroethene	20.0	18.7	93	11	30	68-133	
1,2-Dichloroethane	20.0	18.1	90	3	30	66-129	
1,2-Dichloropropane	20.0	21.9	109	9	30	72-128	
Dichlorobromomethane	20.0	21.2	106	8	30	76-121	
Carbon tetrachloride	20.0	20.5	102	14	30	65-131	
Chlorobenzene	20.0	20.2	101	3	30	80-120	
Chloroethane	20.0	23.0	115	1	30	54-150	
Chloroform	20.0	20.3	99	6	30	78-125	
Chloromethane	20.0	24.7	124	5	30	43-149	
cis-1,2-Dichloroethene	20.0	21.6	101	3	30	78-121	
cis-1,3-Dichloropropene	20.0	19.8	99	5	30	74-125	
Chlorodibromomethane	20.0	21.9	110	7	30	73-121	
Methylene Chloride	20.0	20.2	101	7	30	74-127	
Tetrachloroethene	20.0	60.6	92	4	30	70-127	
trans-1,2-Dichloroethene	20.0	19.0	95	10	30	70-126	
trans-1,3-Dichloropropene	20.0	18.9	95	4	30	71-127	
Trichloroethene	20.0	21.5	98	9	30	73-121	
Vinyl chloride	20.0	22.9	115	2	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab File ID: A23689.D Lab Sample ID: MB 460-1026611/9

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS1 Date Analyzed: 03/19/2025 10:16

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 460-1026611/4	A23684.D	03/19/2025 08:14
	LCSD 460-1026611/5	A23685.D	03/19/2025 08:38
RDI-MW-02I_20250314 MS	460-322205-5 MS	A23694.D	03/19/2025 12:19
RDI-MW-02I_20250314 MSD	460-322205-5 MSD	A23695.D	03/19/2025 12:43
RDI-TB_20250313	460-322205-11	A23698.D	03/19/2025 13:57
RDI-FB_20250313	460-322205-12	A23699.D	03/19/2025 14:21
RDI-MW-02I_20250314	460-322205-5	A23700.D	03/19/2025 14:45
RDI-MW-03S_20250313	460-322205-1	A23701.D	03/19/2025 15:10
RDI-MW-03I_20250313	460-322205-2	A23702.D	03/19/2025 15:34
RDI-MW-03D_20250313	460-322205-3	A23703.D	03/19/2025 15:59
RDI-MW-02D_20250313	460-322205-4	A23704.D	03/19/2025 16:23
RDI-MW-02S_20250314	460-322205-6	A23705.D	03/19/2025 16:48
RDI-MW-01S_20250314	460-322205-7	A23706.D	03/19/2025 17:12
RDI-MW-01I_20250314	460-322205-8	A23707.D	03/19/2025 17:36
RDI-MW-01D_20250314	460-322205-9	A23708.D	03/19/2025 18:01
RDI-MW-X_20250314	460-322205-10	A23709.D	03/19/2025 18:25

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

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab File ID: A22877A.D BFB Injection Date: 03/01/2025

Instrument ID: CVOAMS1 BFB Injection Time: 13:51

Analysis Batch No.: 1023688

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	100.0 (120.3) 1
96	5 - 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.9 (1.1) 1
174	50 - 200% of m/z 95	83.1
175	5 - 9% of m/z 174	6.7 (8.1) 1
176	95 -105% of m/z 174	81.7 (98.3) 1
177	5 - 10% of m/z 176	5.0 (6.1) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-1023688/40	A22879.D	03/01/2025	15:41
	STD7 460-1023688/3	A22880.D	03/01/2025	16:06
	STD1 460-1023688/4	A22881.D	03/01/2025	16:30
	STD5 460-1023688/5	A22882.D	03/01/2025	16:55
	STD20 460-1023688/6	A22883.D	03/01/2025	17:19
	STD50 460-1023688/7	A22884.D	03/01/2025	17:43
	STD200 460-1023688/8	A22885.D	03/01/2025	18:08
	STD500 460-1023688/9	A22886.D	03/01/2025	18:32
	ICV 460-1023688/17	A22894.D	03/01/2025	21:48

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

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Sample No.: STD20 460-1023688/6 Date Analyzed: 03/01/2025 17:19

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A22883.D Heated Purge: (Y/N) N

Calibration ID: 100349

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		150597	3.12	138342	4.21	510543	5.38
UPPER LIMIT		301194	3.62	276684	4.71	1021086	5.88
LOWER LIMIT		75299	2.62	69171	3.71	255272	4.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-1023688/17		146650	3.12	134204	4.21	502753	5.38

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Sample No.: STD20 460-1023688/6 Date Analyzed: 03/01/2025 17:19

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A22883.D Heated Purge: (Y/N) N

Calibration ID: 100349

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		24547	6.14	390737	9.32	216592	11.22
UPPER LIMIT		49094	6.64	781474	9.82	433184	11.72
LOWER LIMIT		12274	5.64	195369	8.82	108296	10.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-1023688/17		22175	6.15	382528	9.32	213776	11.22

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Sample No.: CCVIS 460-1026611/3 Date Analyzed: 03/19/2025 07:49

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A23683.D Heated Purge: (Y/N) N

Calibration ID: 100349

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		160125	3.12	172624	4.22	607071	5.38
UPPER LIMIT		320250	3.62	345248	4.72	1214142	5.88
LOWER LIMIT		80063	2.62	86312	3.72	303536	4.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-1026611/4		153343	3.12	172440	4.21	606465	5.38
LCSD 460-1026611/5		159494	3.12	179771	4.21	608161	5.38
MB 460-1026611/9		143498	3.12	156496	4.22	557040	5.38
460-322205-5 MS	RDI-MW-02I_20250314 MS	162245	3.12	176031	4.21	616951	5.38
460-322205-5 MSD	RDI-MW-02I_20250314 MSD	176476	3.12	176880	4.21	629514	5.38
460-322205-11	RDI-TB_20250313	151552	3.12	160244	4.21	583972	5.38
460-322205-12	RDI-FB_20250313	156879	3.12	169932	4.21	594577	5.38
460-322205-5	RDI-MW-02I_20250314	152880	3.12	162288	4.21	577442	5.38
460-322205-1	RDI-MW-03S_20250313	159302	3.12	167778	4.22	567511	5.38
460-322205-2	RDI-MW-03I_20250313	158942	3.12	164397	4.22	575646	5.38
460-322205-3	RDI-MW-03D_20250313	145933	3.12	164475	4.22	572452	5.38
460-322205-4	RDI-MW-02D_20250313	147107	3.12	163620	4.22	560377	5.38
460-322205-6	RDI-MW-02S_20250314	137508	3.12	150033	4.21	562905	5.38
460-322205-7	RDI-MW-01S_20250314	147526	3.12	153933	4.22	551529	5.38
460-322205-8	RDI-MW-01I_20250314	148931	3.12	159775	4.21	562199	5.38
460-322205-9	RDI-MW-01D_20250314	152578	3.12	169656	4.22	555834	5.38
460-322205-10	RDI-MW-X_20250314	154964	3.12	166127	4.21	555321	5.38

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Sample No.: CCVIS 460-1026611/3 Date Analyzed: 03/19/2025 07:49

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A23683.D Heated Purge: (Y/N) N

Calibration ID: 100349

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		27394	6.14	495668	9.32	294316	11.23
UPPER LIMIT		54788	6.64	991336	9.82	588632	11.73
LOWER LIMIT		13697	5.64	247834	8.82	147158	10.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-1026611/4		25495	6.15	493242	9.32	294059	11.22
LCSD 460-1026611/5		27740	6.14	498584	9.32	299263	11.23
MB 460-1026611/9		22698	6.15	443195	9.32	234136	11.23
460-322205-5 MS	RDI-MW-02I_20250314 MS	27020	6.15	494893	9.32	288158	11.22
460-322205-5 MSD	RDI-MW-02I_20250314 MSD	27911	6.13	511980	9.32	296866	11.23
460-322205-11	RDI-TB_20250313	23701	6.14	469734	9.32	243404	11.22
460-322205-12	RDI-FB_20250313	24005	6.15	470993	9.32	248686	11.23
460-322205-5	RDI-MW-02I_20250314	23690	6.15	469104	9.32	245673	11.23
460-322205-1	RDI-MW-03S_20250313	20298	6.15	454360	9.32	240318	11.22
460-322205-2	RDI-MW-03I_20250313	22207	6.14	448034	9.32	244032	11.23
460-322205-3	RDI-MW-03D_20250313	21412	6.13	448910	9.32	234820	11.23
460-322205-4	RDI-MW-02D_20250313	23120	6.15	441301	9.32	237255	11.23
460-322205-6	RDI-MW-02S_20250314	19677	6.15	444583	9.32	230091	11.23
460-322205-7	RDI-MW-01S_20250314	21451	6.13	436877	9.32	232316	11.23
460-322205-8	RDI-MW-01I_20250314	21999	6.14	439730	9.32	233492	11.22
460-322205-9	RDI-MW-01D_20250314	22816	6.14	439588	9.32	231543	11.23
460-322205-10	RDI-MW-X_20250314	21038	6.15	431849	9.32	230508	11.22

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-03S_20250313 | Lab Sample ID: 460-322205-1

Matrix: Water | Lab File ID: A23701.D

Analysis Method: 8260D | Date Collected: 03/13/2025 13:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 15:10

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.73	J	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	36		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.68		0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	108		77-132
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D
Lims ID: 460-322205-B-1
Client ID: RDI-MW-03S_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 15:10:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-1
Misc. Info.: 460-0188137-021
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:59:59 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	159302	1000.0	
* 42 2-Butanone-d5	46	4.216	4.216	0.000	0	167778	250.0	
52 Chloroform	83	4.545	4.540	0.005	54	4200	0.7321	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	171692	54.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.081	0.006	0	152425	52.1	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	567511	50.0	
68 Trichloroethene	95	5.751	5.757	-0.006	66	2670	0.6838	a
* 73 1,4-Dioxane-d8	96	6.145	6.140	0.005	0	20298	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	593059	51.2	
88 Tetrachloroethene	166	8.039	8.039	0.000	95	128265	36.1	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	454360	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	90	165297	44.0	
* 121 1,4-Dichlorobenzene-d4	152	11.222	11.227	-0.005	94	240318	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

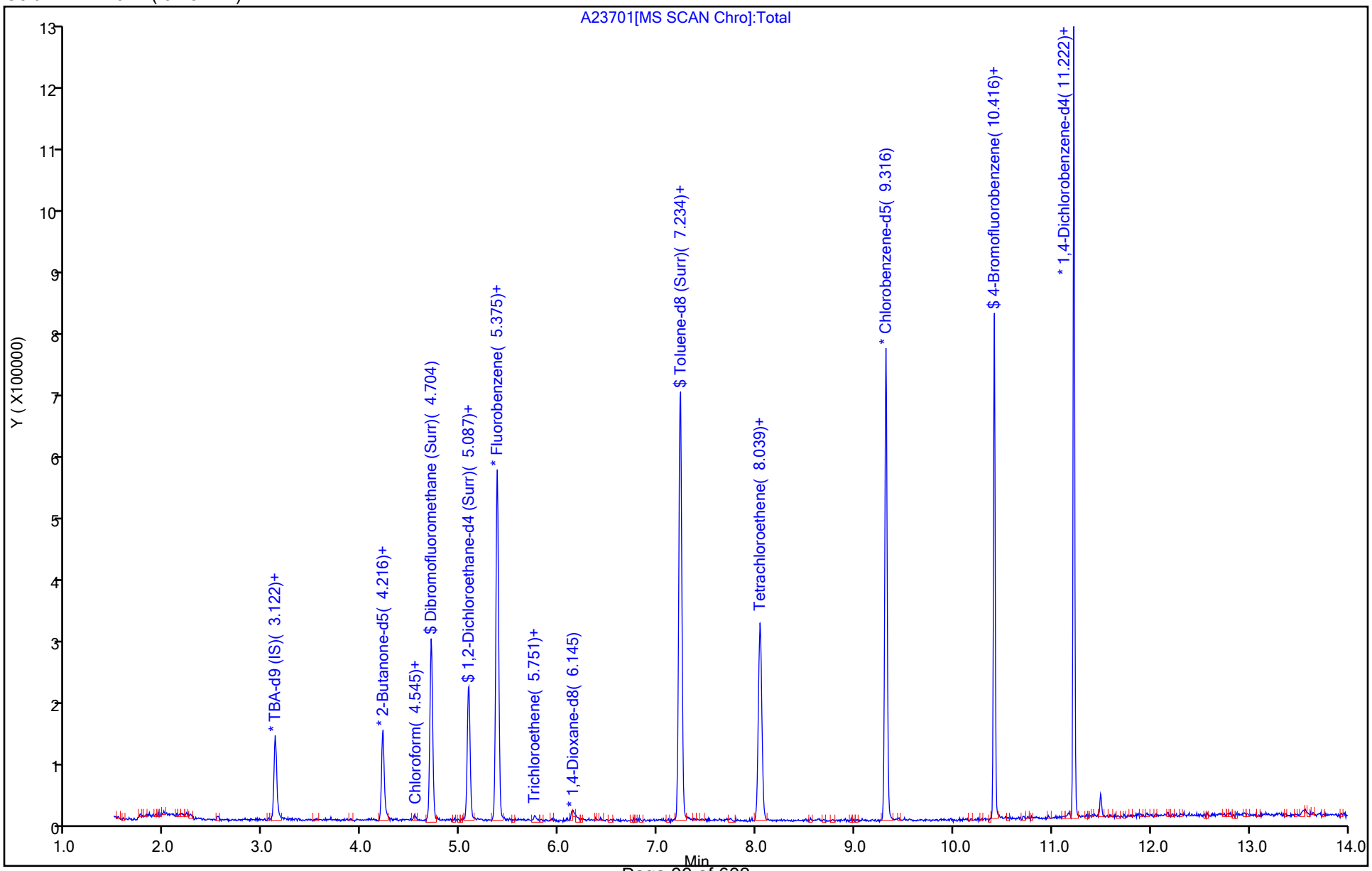
Report Date: 20-Mar-2025 13:00:01 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D

Injection Date:	19-Mar-2025 15:10:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-1	Lab Sample ID:	460-322205-1	Worklist Smp#:	21
Client ID:	RDI-MW-03S_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 13:00:01 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D
Lims ID: 460-322205-B-1
Client ID: RDI-MW-03S_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 15:10:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-1
Misc. Info.: 460-0188137-021
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:59:59 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	54.0	107.92
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.12
$ 83 Toluene-d8 (Surr)	50.0	51.2	102.36
$ 105 4-Bromofluorobenzene	50.0	44.0	87.92

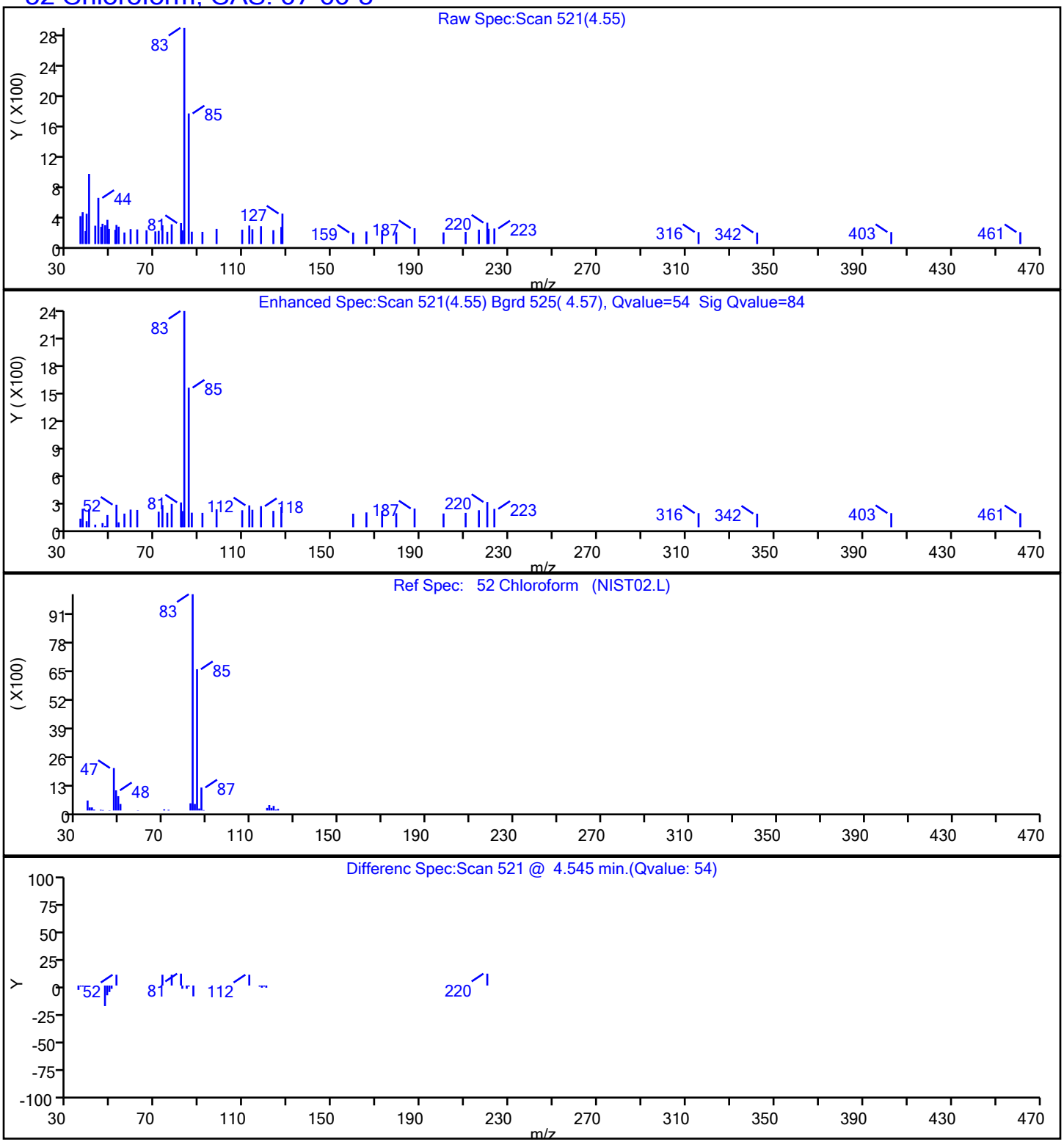
Report Date: 20-Mar-2025 13:00:01 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D

Injection Date:	19-Mar-2025 15:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-1	Lab Sample ID:	460-322205-1		
Client ID:	RDI-MW-03S_20250313				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

52 Chloroform, CAS: 67-66-3



Report Date: 20-Mar-2025 13:00:01 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D

Injection Date: 19-Mar-2025 15:10:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-1 Lab Sample ID: 460-322205-1

Client ID: RDI-MW-03S_20250313

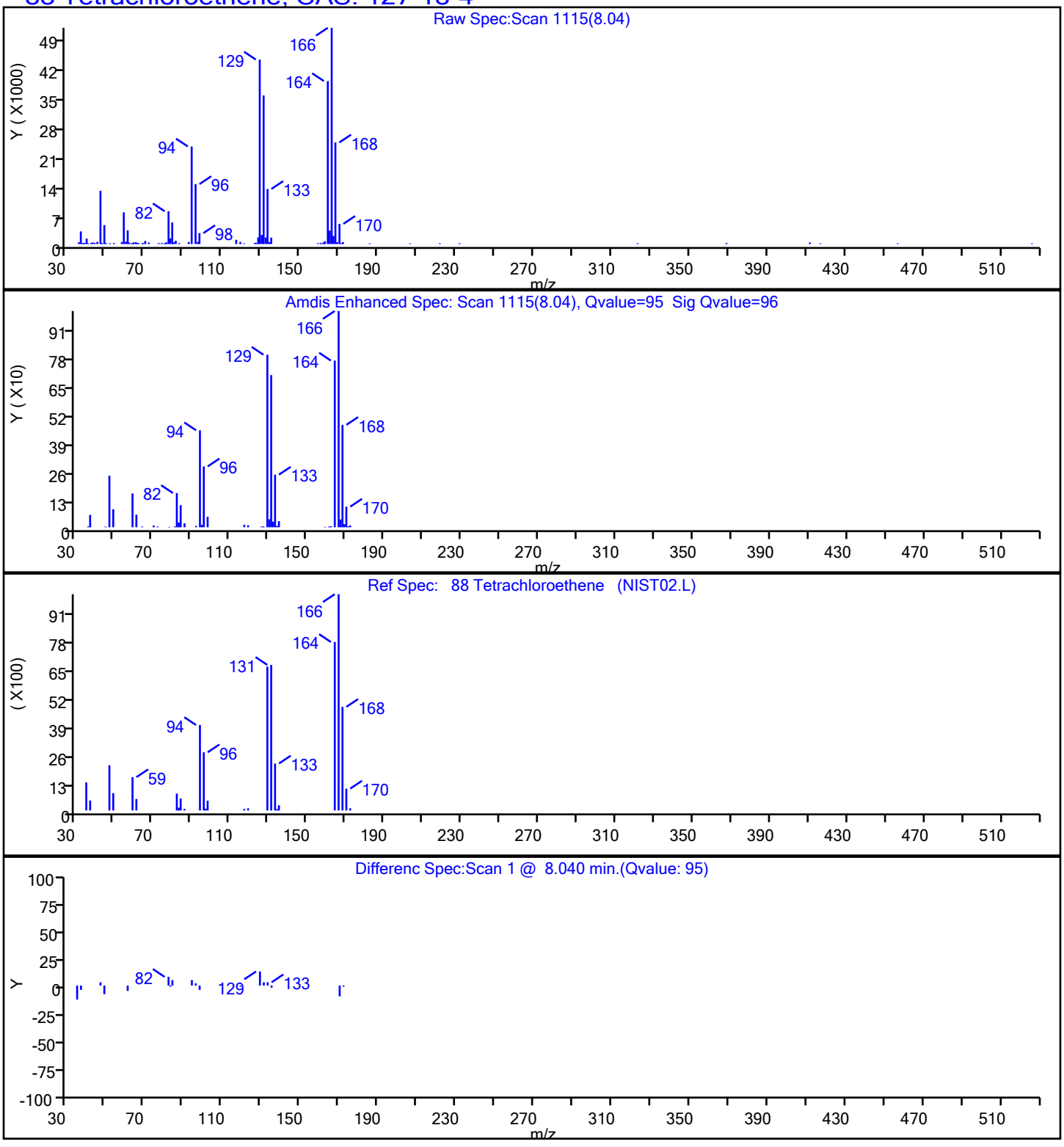
Operator ID: ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



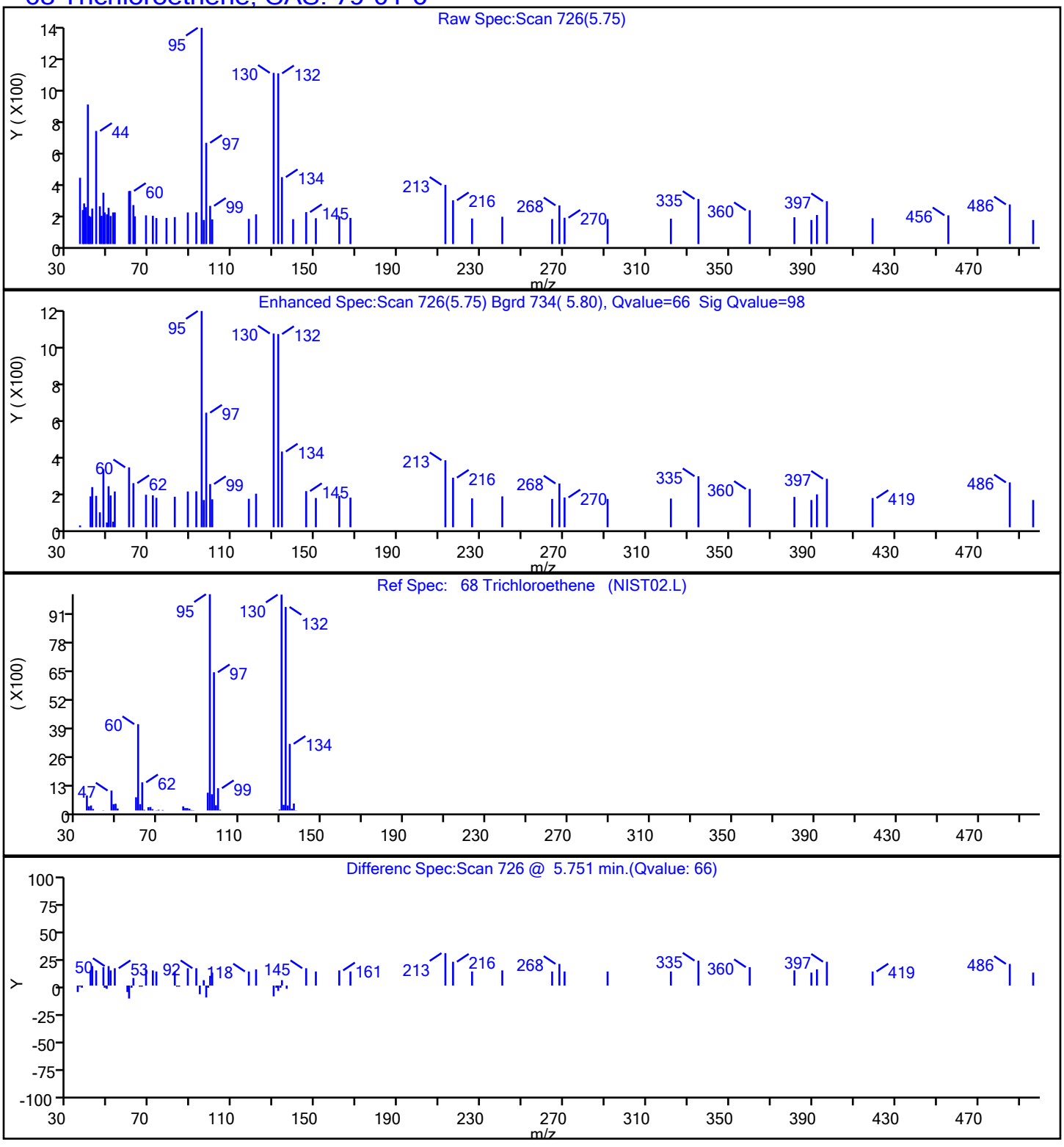
Report Date: 20-Mar-2025 13:00:01 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D

Injection Date:	19-Mar-2025 15:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-1	Lab Sample ID:	460-322205-1		
Client ID:	RDI-MW-03S_20250313				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

68 Trichloroethene, CAS: 79-01-6



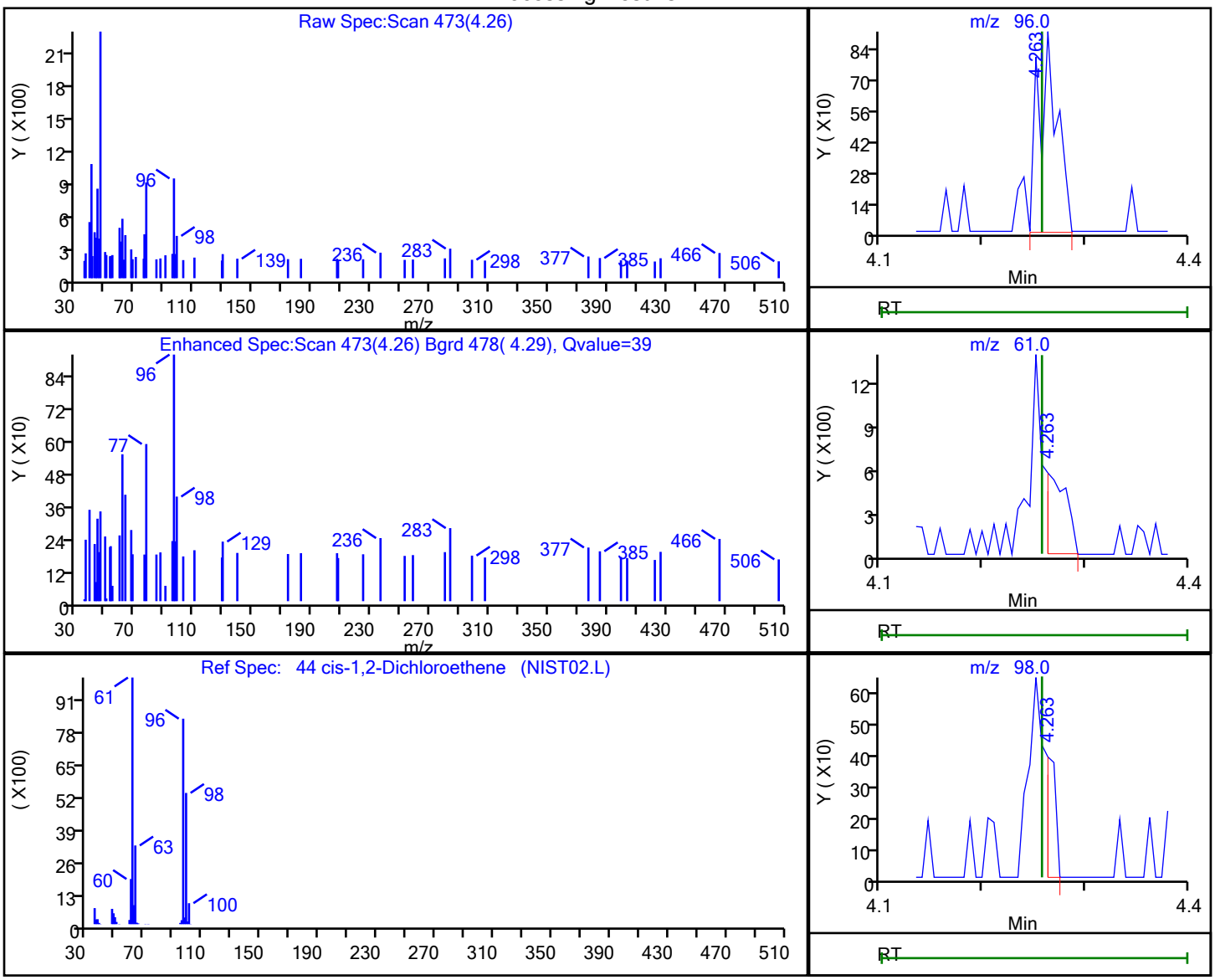
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D				
Injection Date:	19-Mar-2025 15:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-1	Lab Sample ID:	460-322205-1		
Client ID:	RDI-MW-03S_20250313				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

44 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
4.26	96.00	1160	0.323342
4.26	61.00	759	
4.26	98.00	268	

Reviewer: C1JX, 19-Mar-2025 18:05:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Edison

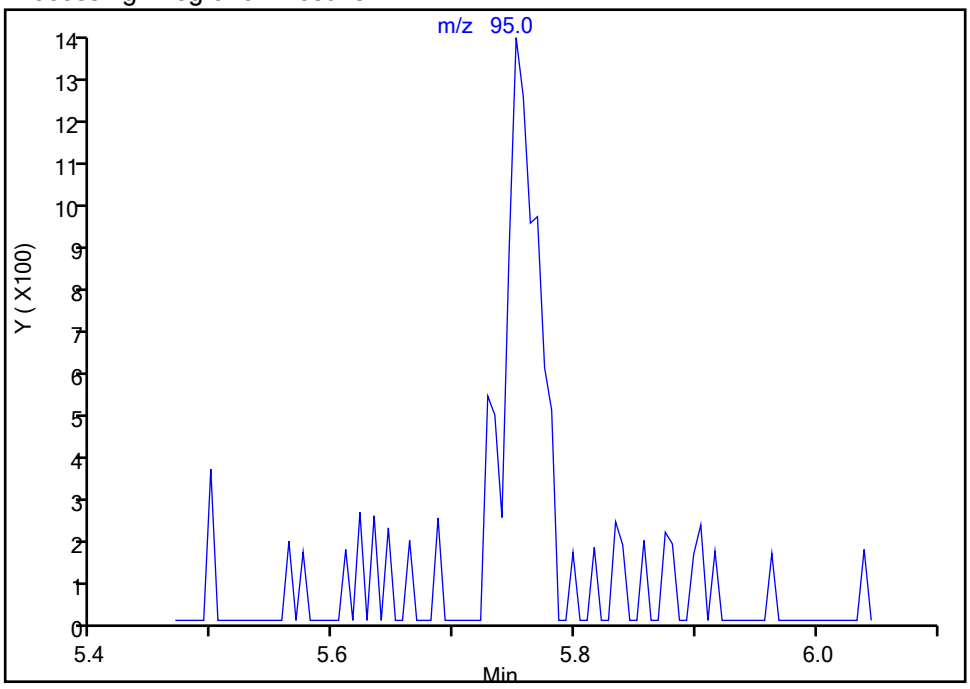
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23701.D				
Injection Date:	19-Mar-2025 15:10:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-1	Lab Sample ID:	460-322205-1		
Client ID:	RDI-MW-03S_20250313				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

68 Trichloroethene, CAS: 79-01-6

Signal: 1

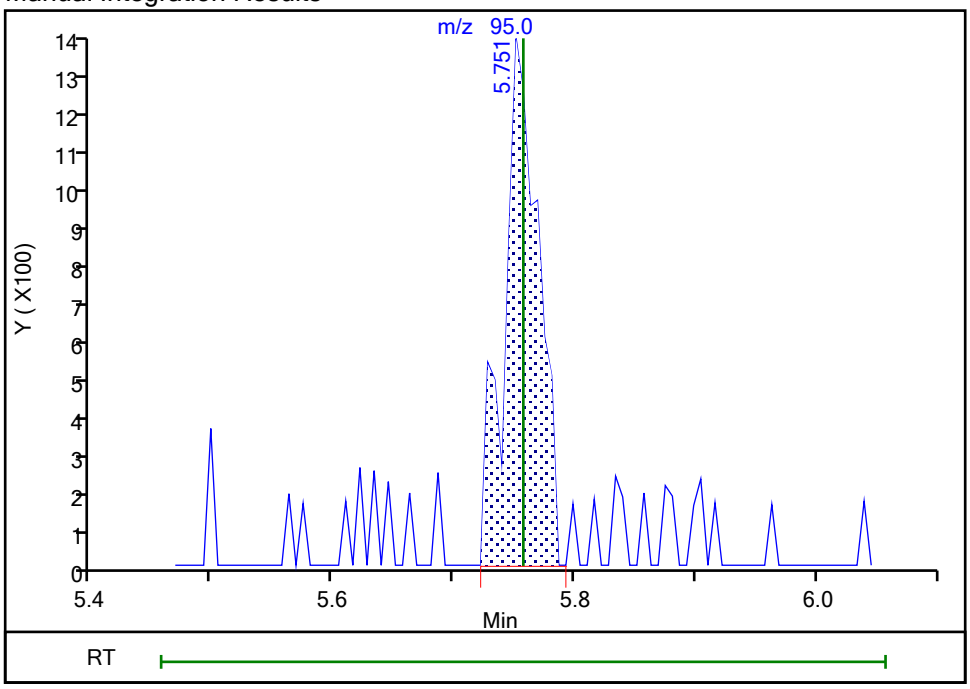
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.75
Area: 2670
Amount: 0.683825
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 12:59:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-03I_20250313 | Lab Sample ID: 460-322205-2

Matrix: Water | Lab File ID: A23702.D

Analysis Method: 8260D | Date Collected: 03/13/2025 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 15:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	3.7		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	3.2		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	83		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	9.0		0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-128
460-00-4	4-Bromofluorobenzene	95		76-120
1868-53-7	Dibromofluoromethane (Surr)	108		77-132
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D
Lims ID: 460-322205-B-2
Client ID: RDI-MW-03I_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 15:34:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-2
Misc. Info.: 460-0188137-022
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	158942	1000.0	
* 42 2-Butanone-d5	46	4.216	4.210	0.006	0	164397	250.0	
44 cis-1,2-Dichloroethene	96	4.263	4.257	0.006	96	11651	3.20	
52 Chloroform	83	4.545	4.539	0.006	95	21742	3.74	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	95	174268	54.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.005	0	153143	51.6	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	575646	50.0	
68 Trichloroethene	95	5.757	5.757	0.000	97	30233	9.01	
* 73 1,4-Dioxane-d8	96	6.139	6.134	0.005	0	22207	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	598495	52.4	
88 Tetrachloroethene	166	8.039	8.039	0.000	94	291913	83.4	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	448034	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	91	175767	47.4	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.221	0.006	95	244032	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

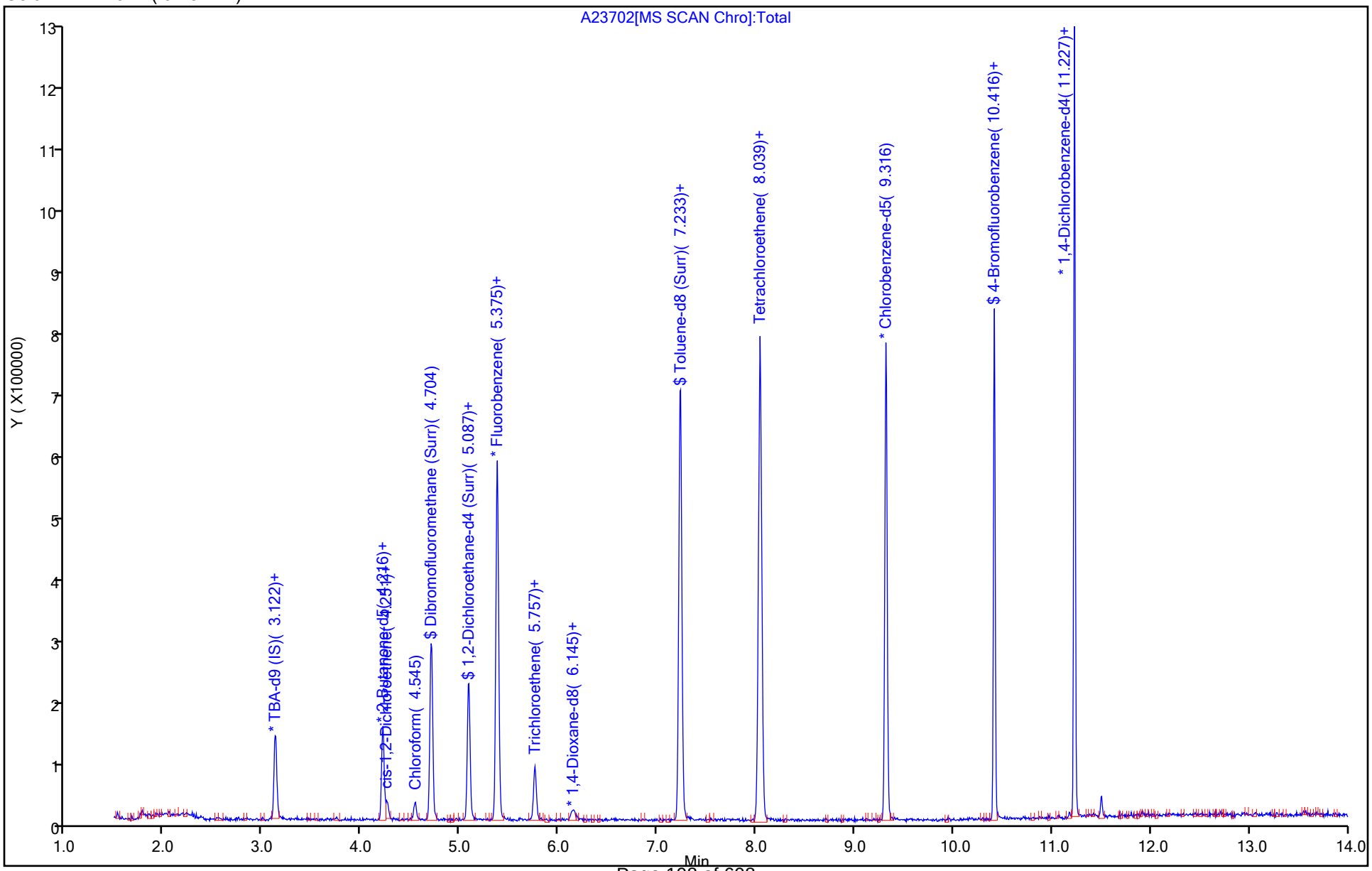
Report Date: 19-Mar-2025 18:05:52 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D

Injection Date:	19-Mar-2025 15:34:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-2	Lab Sample ID:	460-322205-2	Worklist Smp#:	22
Client ID:	RDI-MW-03I_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D				
Lims ID:	460-322205-B-2				
Client ID:	RDI-MW-03I_20250313				
Sample Type:	Client				
Inject. Date:	19-Mar-2025 15:34:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-322205-B-2				
Misc. Info.:	460-0188137-022				
Operator ID:		Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	19-Mar-2025 18:05:52	Calib Date:	01-Mar-2025 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	54.0	107.99
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.6	103.13
$ 83 Toluene-d8 (Surr)	50.0	52.4	104.76
$ 105 4-Bromofluorobenzene	50.0	47.4	94.80

Report Date: 19-Mar-2025 18:05:52 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D

Injection Date: 19-Mar-2025 15:34:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-2 Lab Sample ID: 460-322205-2

Client ID: RDI-MW-03I_20250313

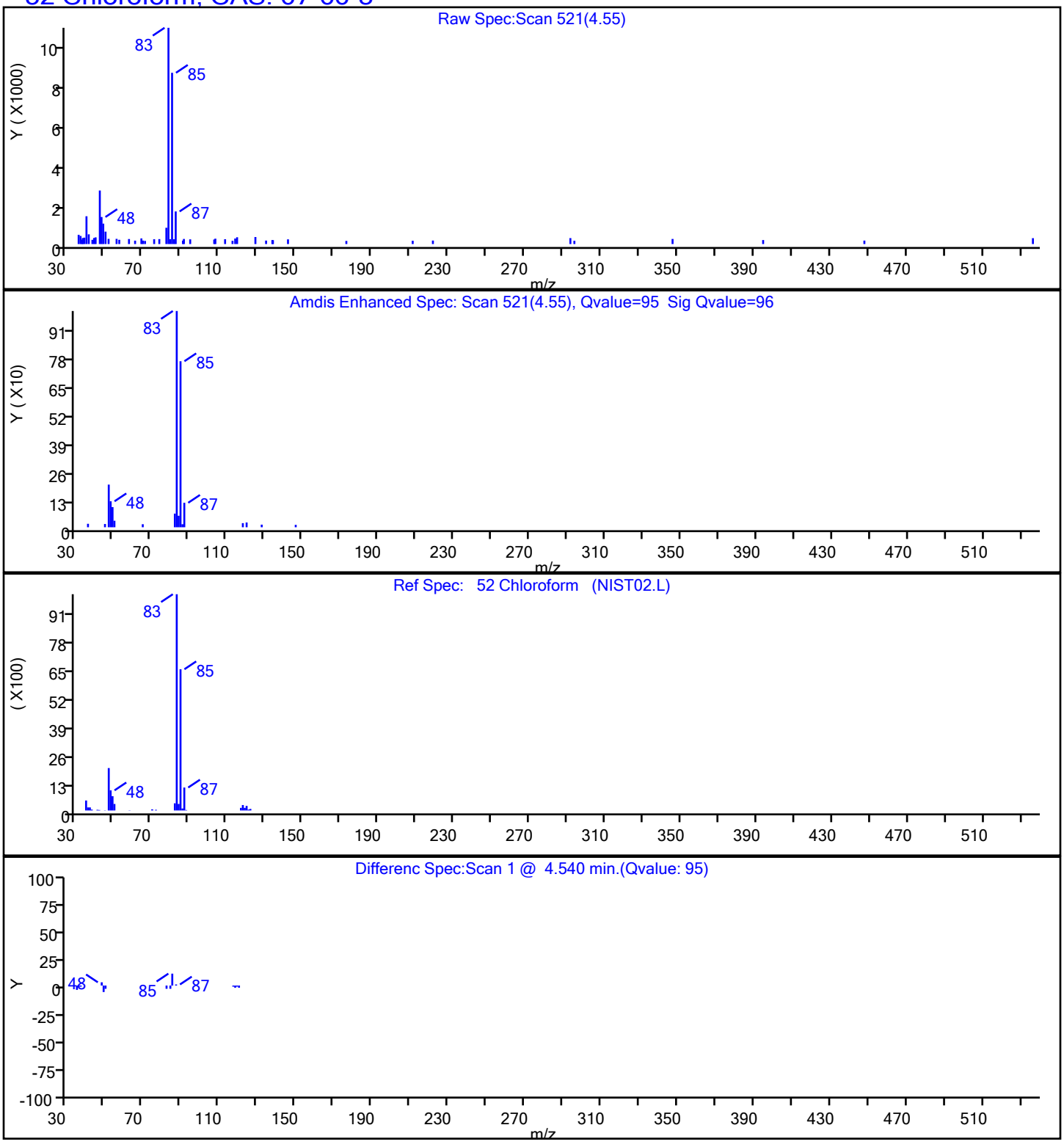
Operator ID: ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

52 Chloroform, CAS: 67-66-3



Report Date: 19-Mar-2025 18:05:52 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D

Injection Date: 19-Mar-2025 15:34:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-2 Lab Sample ID: 460-322205-2

Client ID: RDI-MW-03I_20250313

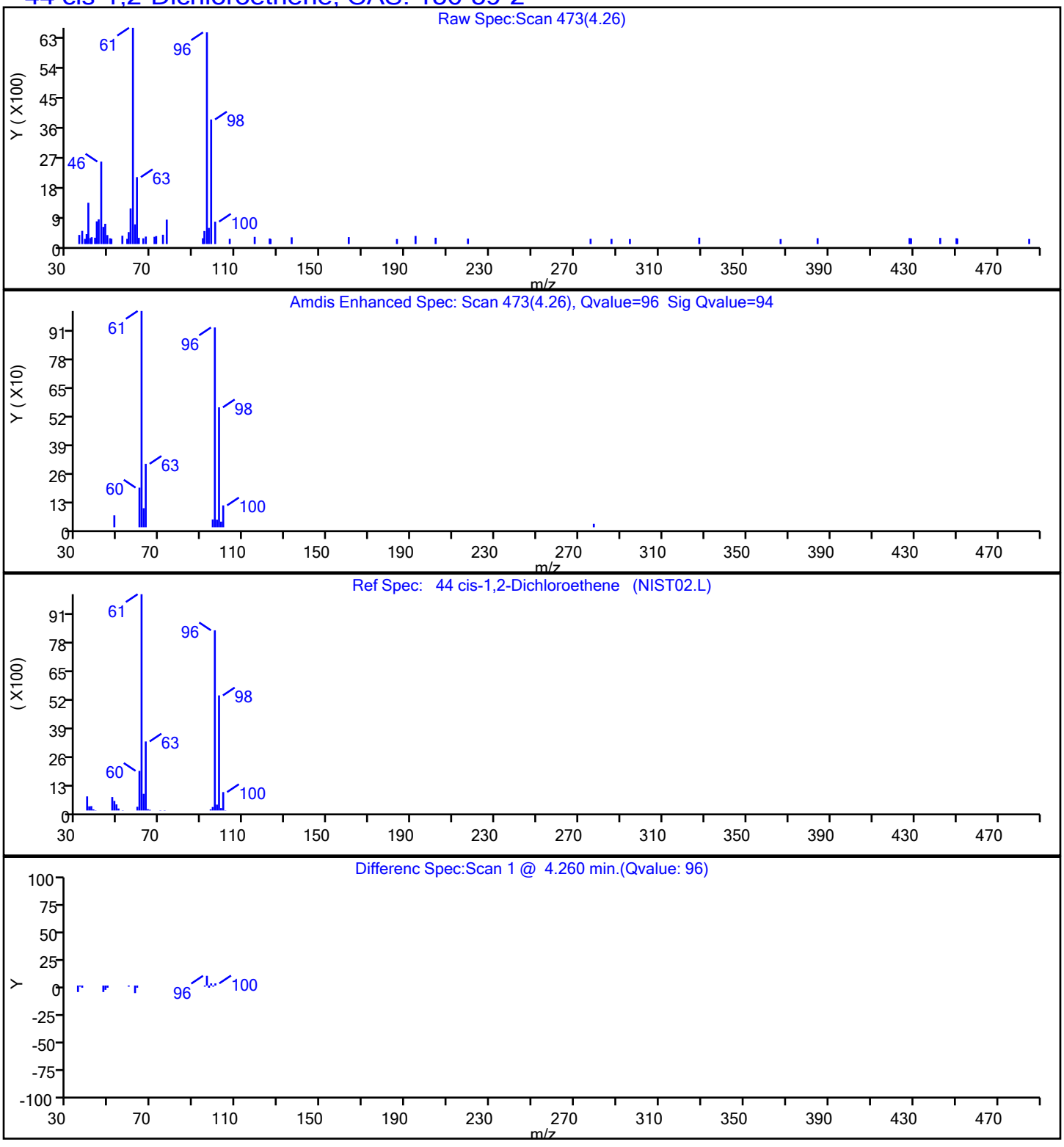
Operator ID: ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 cis-1,2-Dichloroethene, CAS: 156-59-2



Report Date: 19-Mar-2025 18:05:52 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D

Injection Date: 19-Mar-2025 15:34:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-2 Lab Sample ID: 460-322205-2

Client ID: RDI-MW-03I_20250313

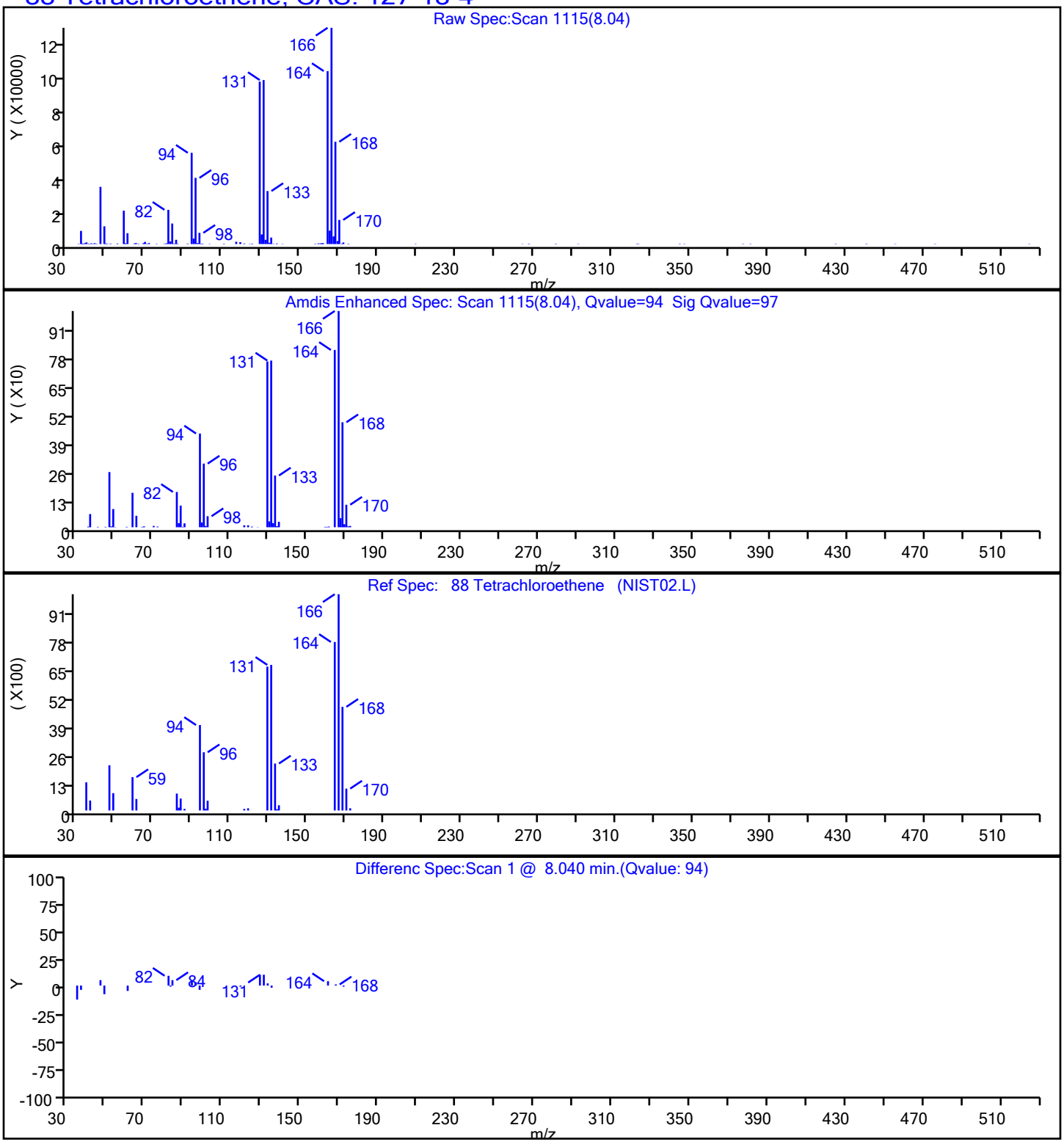
Operator ID: ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



Report Date: 19-Mar-2025 18:05:52 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D

Injection Date: 19-Mar-2025 15:34:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-2 Lab Sample ID: 460-322205-2

Client ID: RDI-MW-03I_20250313

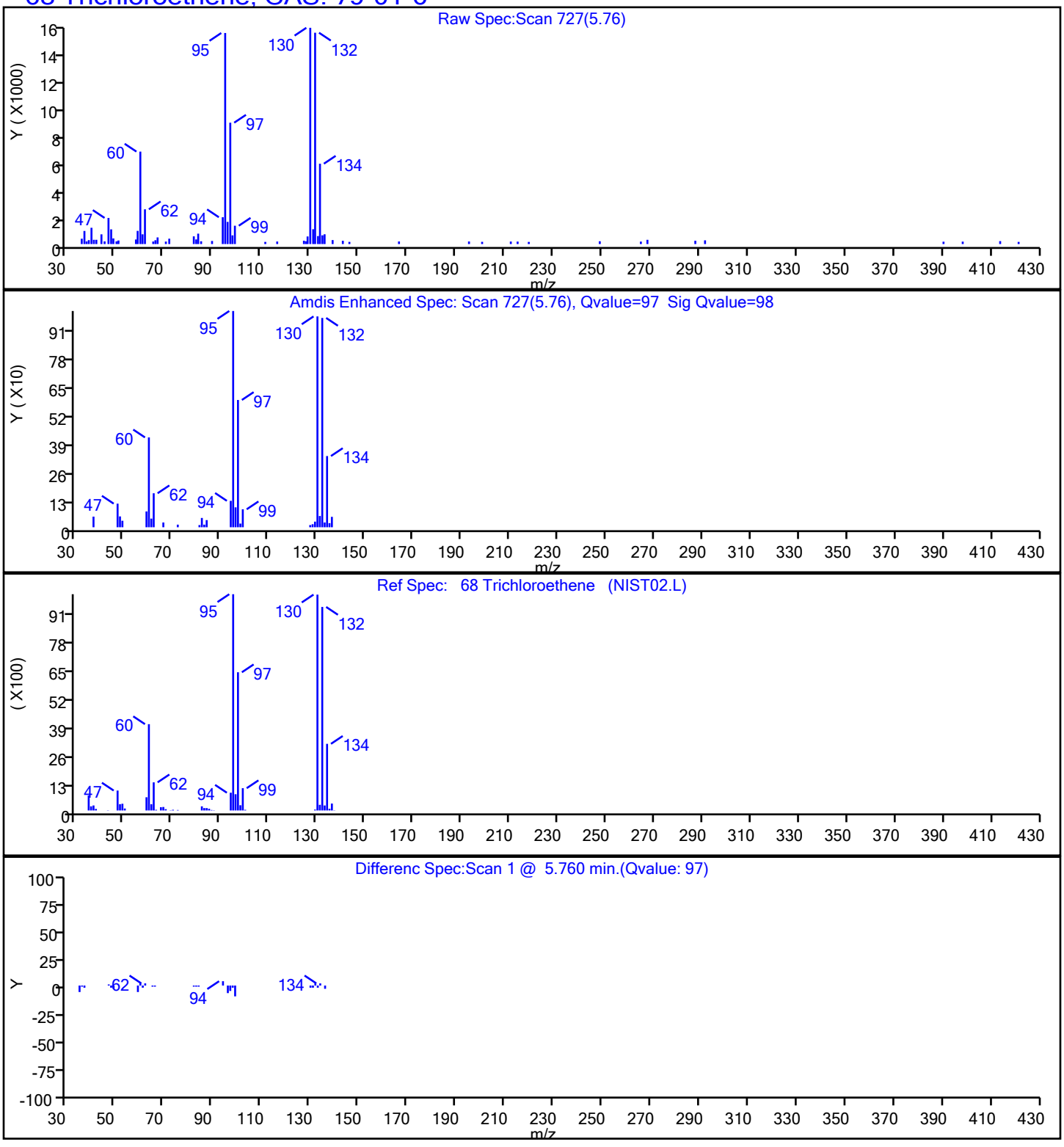
Operator ID: ALS Bottle#: 21 Worklist Smp#: 22

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6



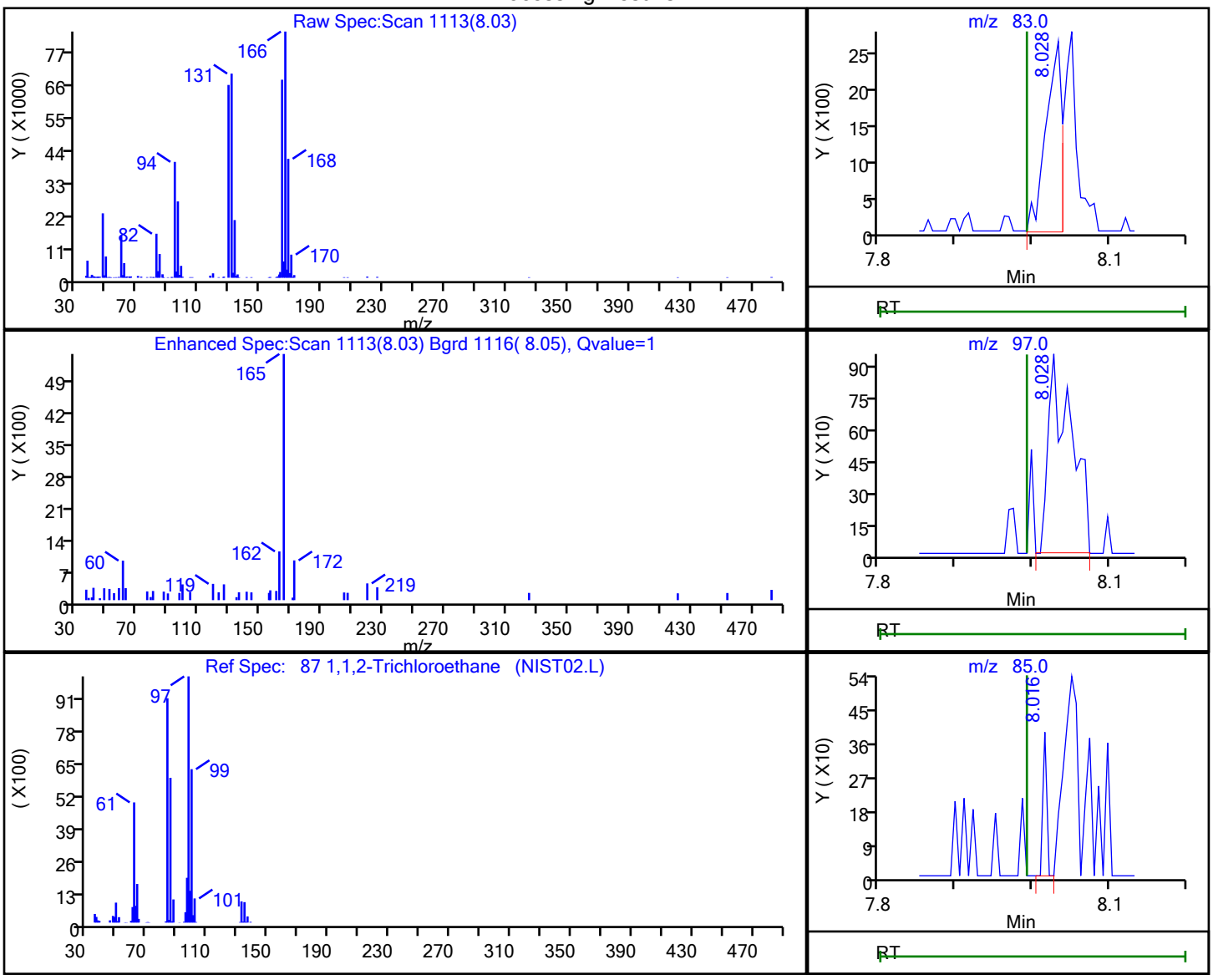
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D				
Injection Date:	19-Mar-2025 15:34:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-2	Lab Sample ID:	460-322205-2		
Client ID:	RDI-MW-03I_20250313				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

87 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
8.03	83.00	3842	1.757435
8.03	97.00	2015	
8.02	85.00	137	

Reviewer: C1JX, 19-Mar-2025 18:05:45 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

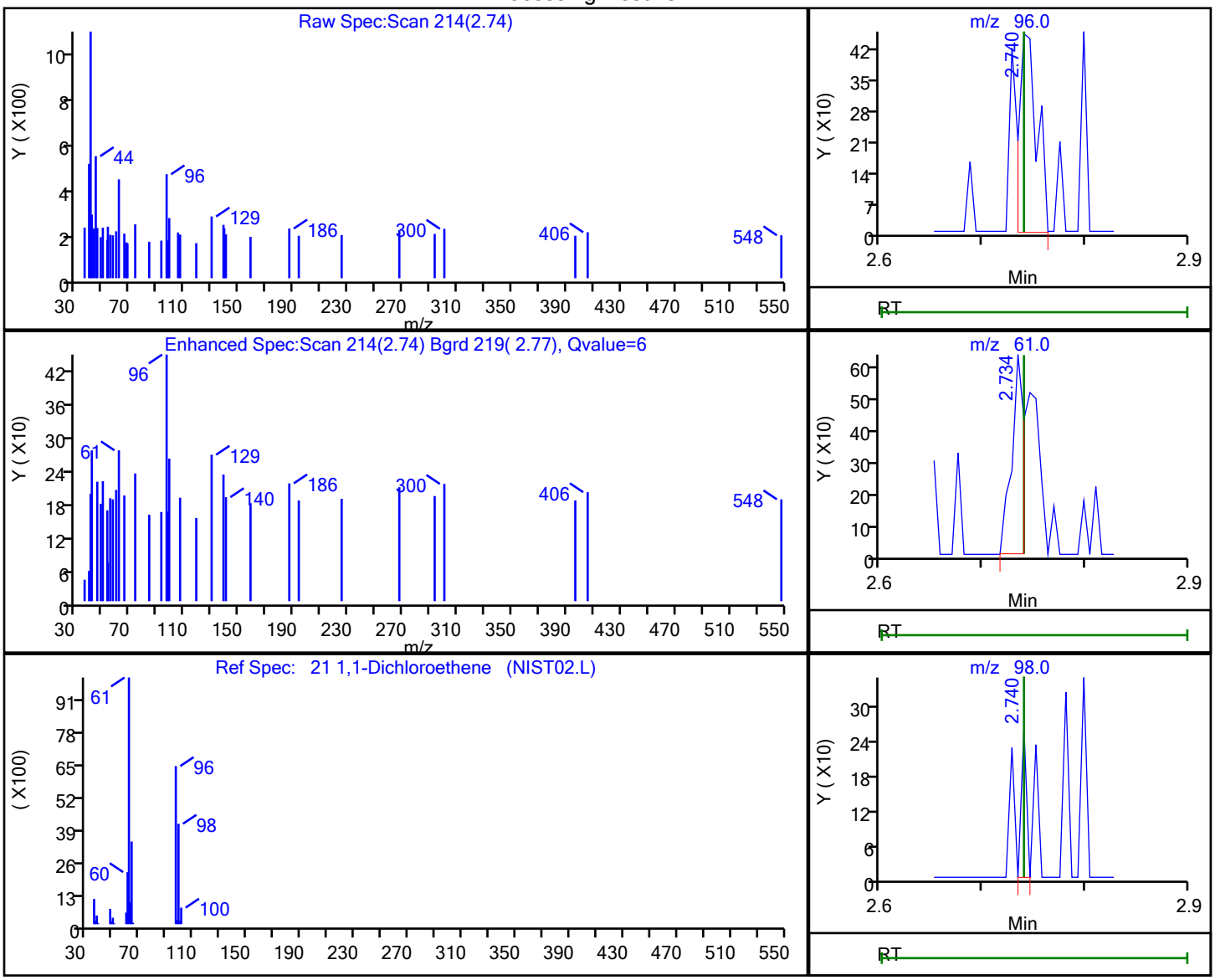
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D				
Injection Date:	19-Mar-2025 15:34:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-2	Lab Sample ID:	460-322205-2		
Client ID:	RDI-MW-03I_20250313				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.74	96.00	541	0.182797
2.73	61.00	532	
2.74	98.00	91	
2.73	63.00	168	

Reviewer: C1JX, 19-Mar-2025 18:05:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

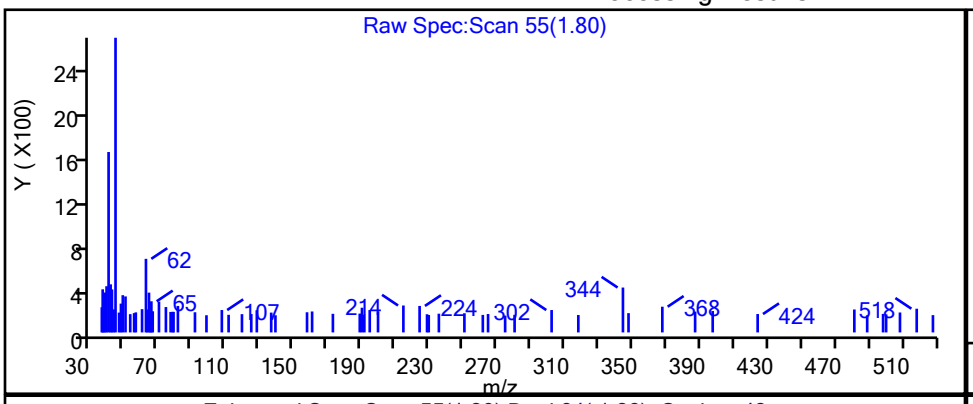
User Disabled Compound Report

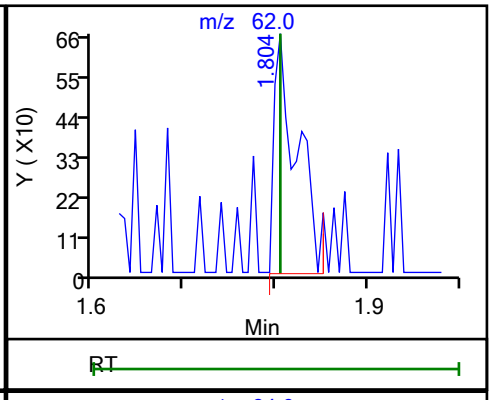
Eurofins Edison

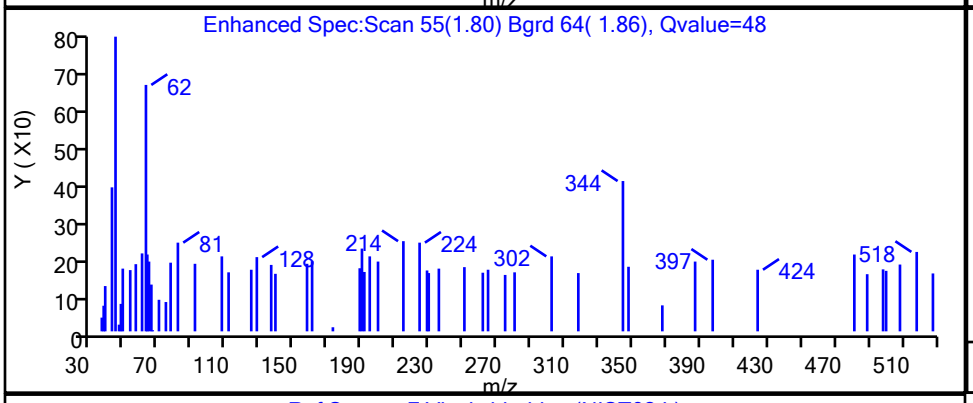
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23702.D				
Injection Date:	19-Mar-2025 15:34:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-2	Lab Sample ID:	460-322205-2		
Client ID:	RDI-MW-03I_20250313				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

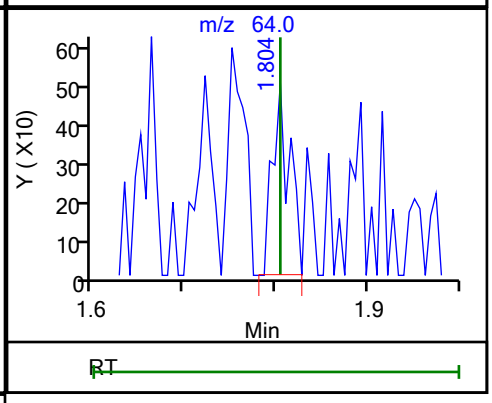
7 Vinyl chloride, CAS: 75-01-4

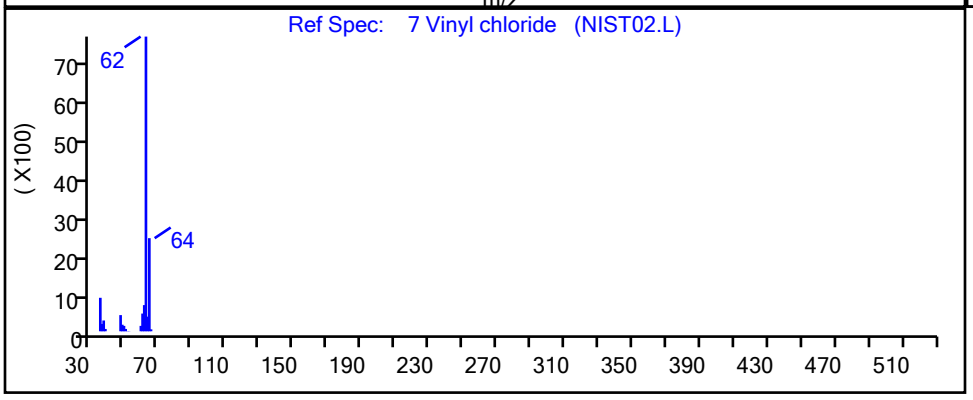
Processing Results











RT	Mass	Response	Amount
1.80	62.00	1172	0.294472
1.80	64.00	664	

Reviewer: C1JX, 19-Mar-2025 18:05:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-03D_20250313 | Lab Sample ID: 460-322205-3

Matrix: Water | Lab File ID: A23703.D

Analysis Method: 8260D | Date Collected: 03/13/2025 15:45

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 15:59

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	0.95	J	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	36		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	3.1		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	3.5		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	20		0.28	0.074
75-01-4	Vinyl chloride	0.62	J	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	92		76-120
1868-53-7	Dibromofluoromethane (Surr)	104		77-132
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D
Lims ID: 460-322205-B-3
Client ID: RDI-MW-03D_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 15:59:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-3
Misc. Info.: 460-0188137-023
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:00:58 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Vinyl chloride	62	1.810	1.805	0.005	23	2441	0.6167	M
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	145933	1000.0	
34 trans-1,2-Dichloroethene	96	3.340	3.346	-0.006	86	12026	3.54	
38 1,1-Dichloroethane	63	3.728	3.740	-0.012	66	4659	0.9458	
* 42 2-Butanone-d5	46	4.216	4.216	0.000	0	164475	250.0	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	93	128984	35.6	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	167199	52.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.081	0.006	0	147315	49.9	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	572452	50.0	
68 Trichloroethene	95	5.757	5.757	0.000	95	64906	19.6	
* 73 1,4-Dioxane-d8	96	6.134	6.140	-0.006	0	21412	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	598515	52.3	
88 Tetrachloroethene	166	8.039	8.039	0.000	94	11034	3.15	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	448910	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	92	170793	46.0	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	94	234820	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

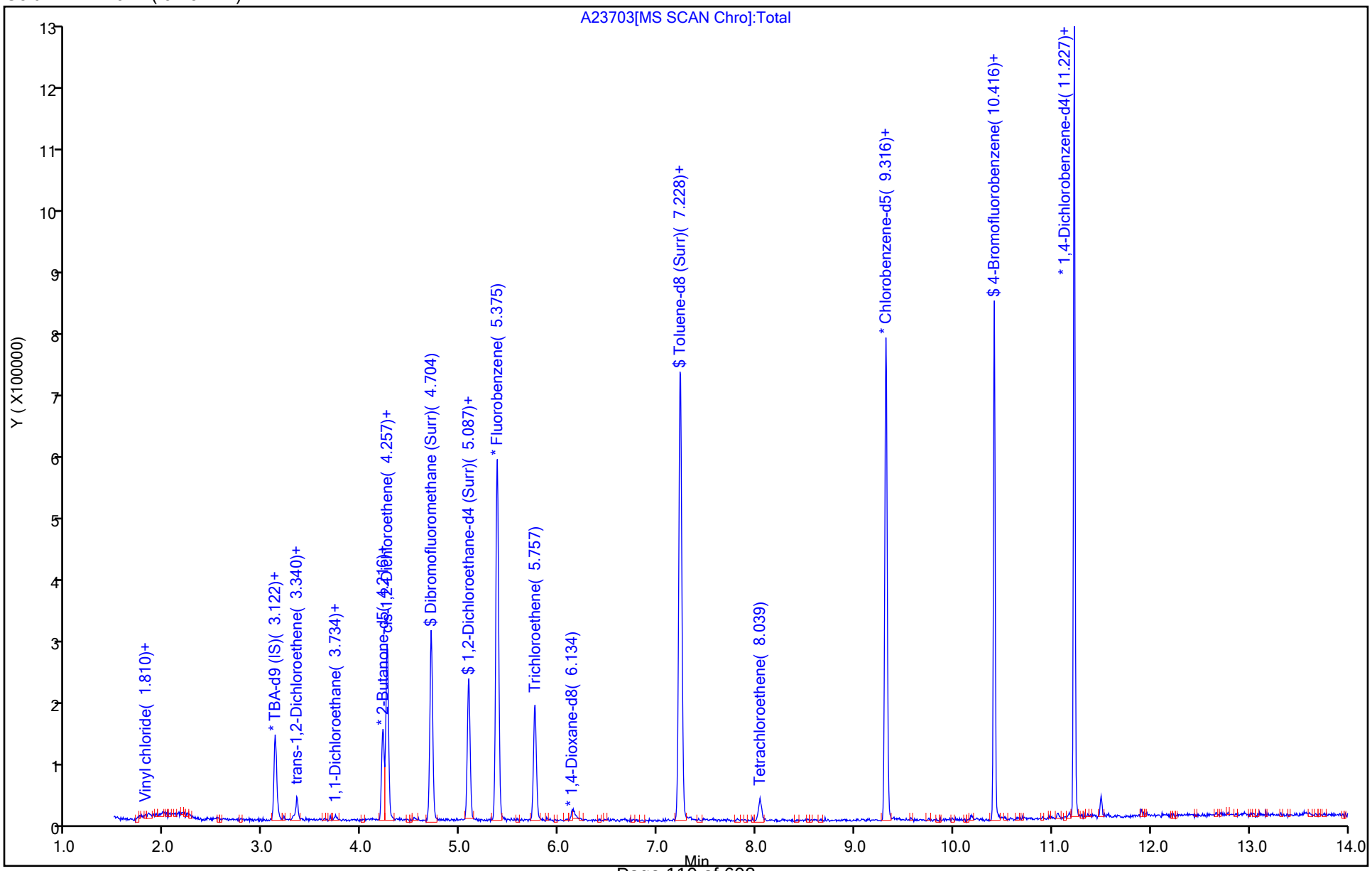
Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date:	19-Mar-2025 15:59:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-3	Lab Sample ID:	460-322205-3	Worklist Smp#:	23
Client ID:	RDI-MW-03D_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D
Lims ID: 460-322205-B-3
Client ID: RDI-MW-03D_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 15:59:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-3
Misc. Info.: 460-0188137-023
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:00:58 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.1	104.19
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.9	99.76
$ 83 Toluene-d8 (Surr)	50.0	52.3	104.55
$ 105 4-Bromofluorobenzene	50.0	46.0	91.94

Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date: 19-Mar-2025 15:59:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-3 Lab Sample ID: 460-322205-3

Client ID: RDI-MW-03D_20250313

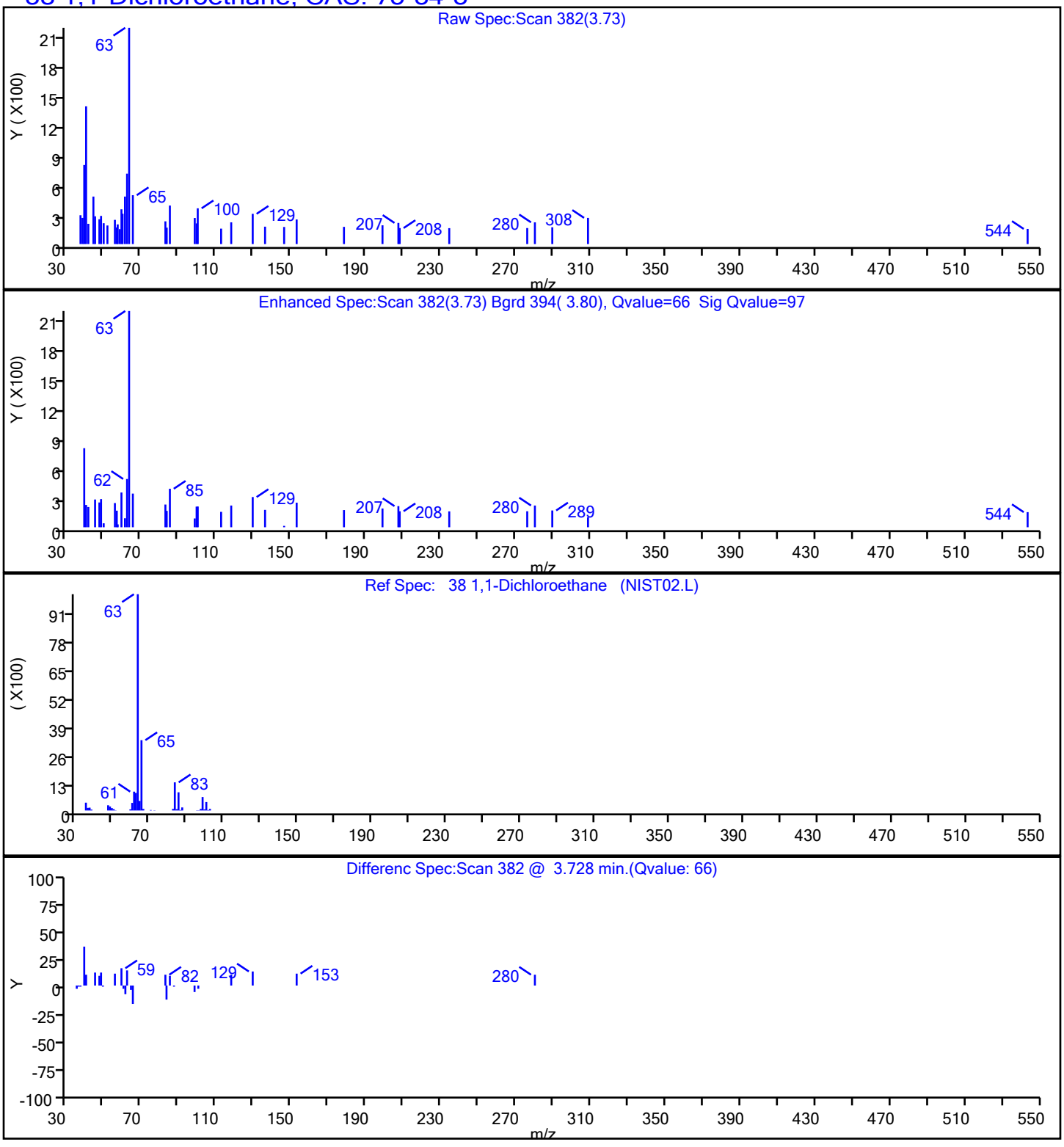
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

38 1,1-Dichloroethane, CAS: 75-34-3



Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date: 19-Mar-2025 15:59:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-3 Lab Sample ID: 460-322205-3

Client ID: RDI-MW-03D_20250313

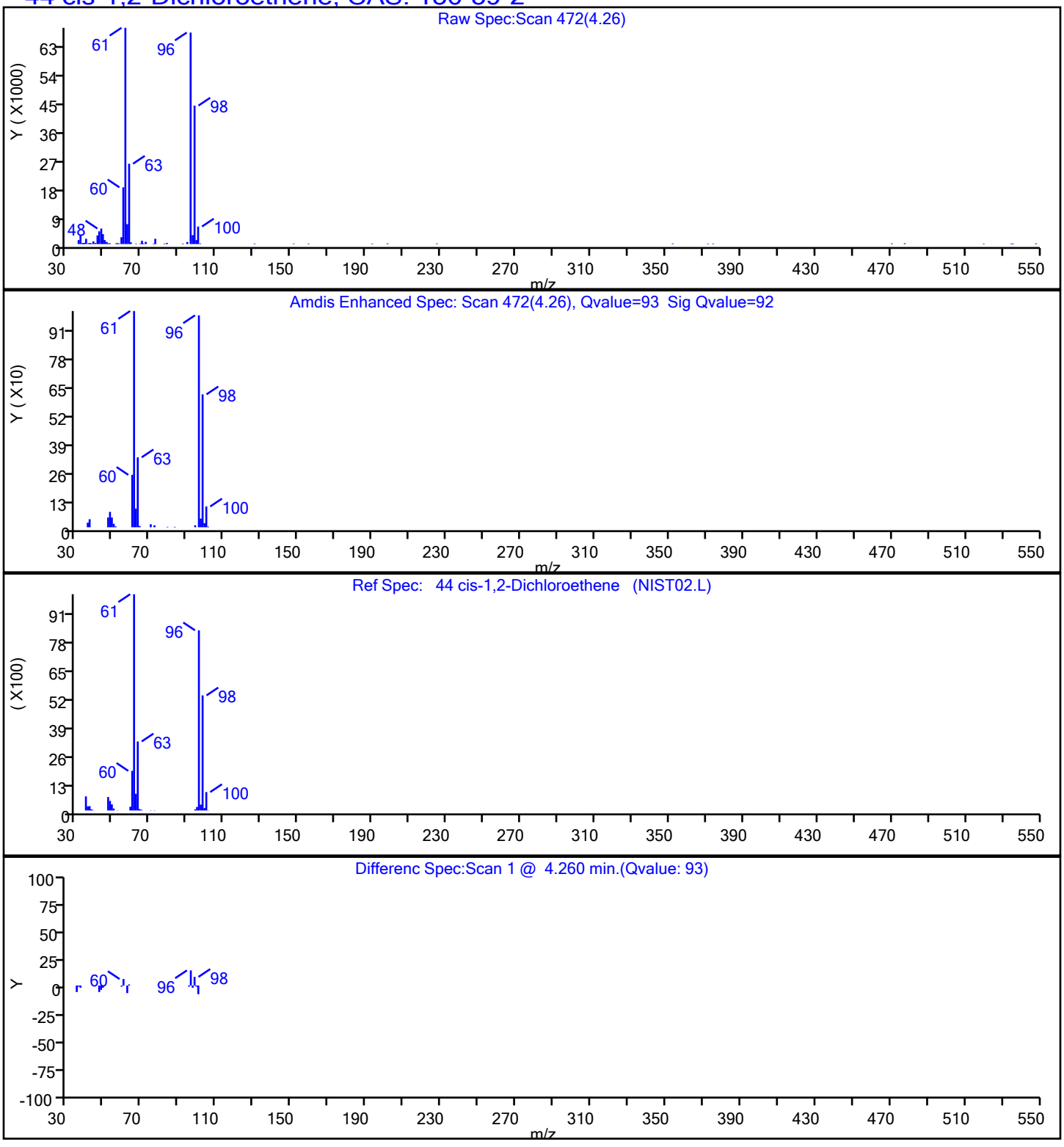
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 cis-1,2-Dichloroethene, CAS: 156-59-2



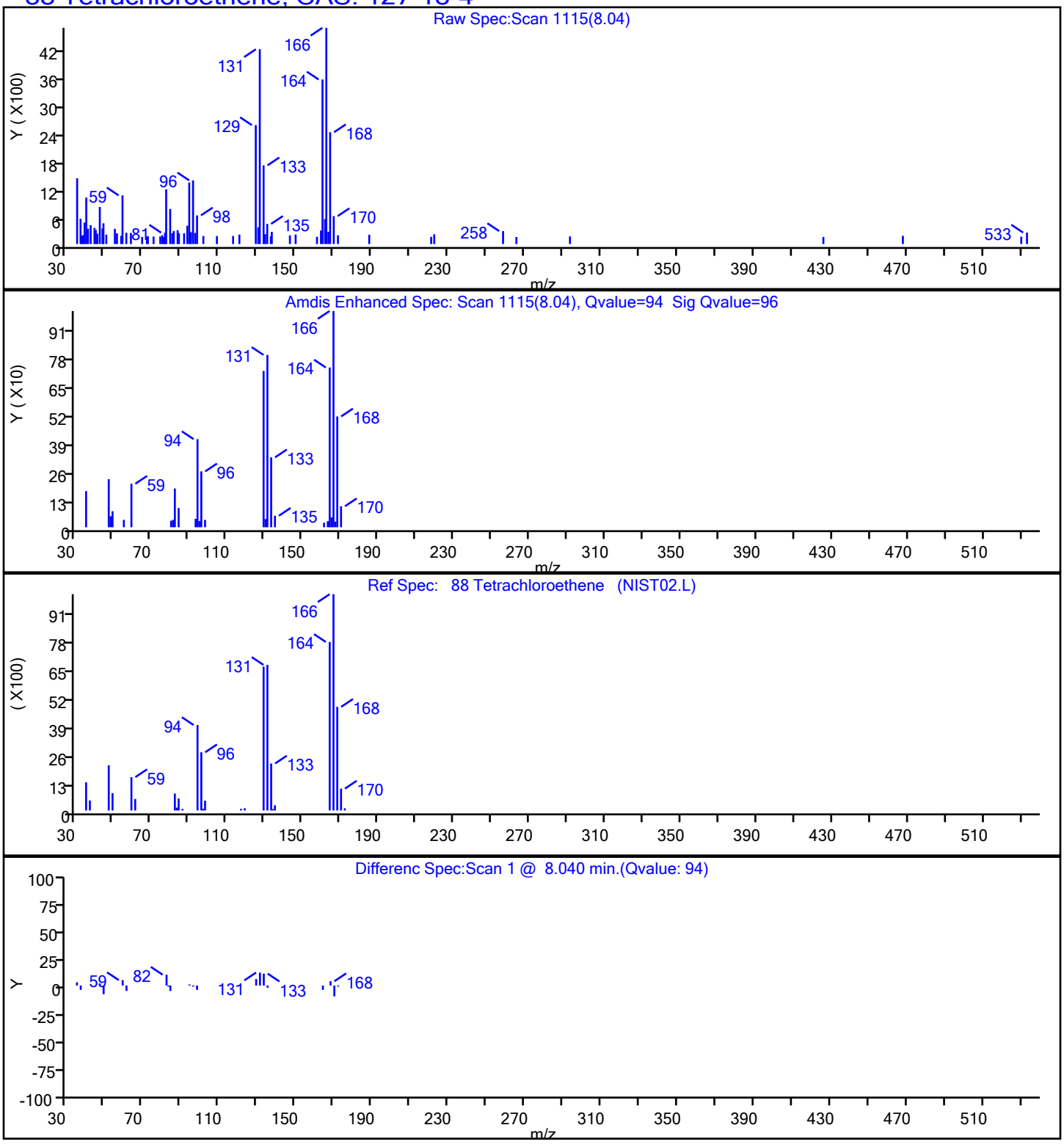
Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date:	19-Mar-2025 15:59:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-3	Lab Sample ID:	460-322205-3
Client ID:	RDI-MW-03D_20250313		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



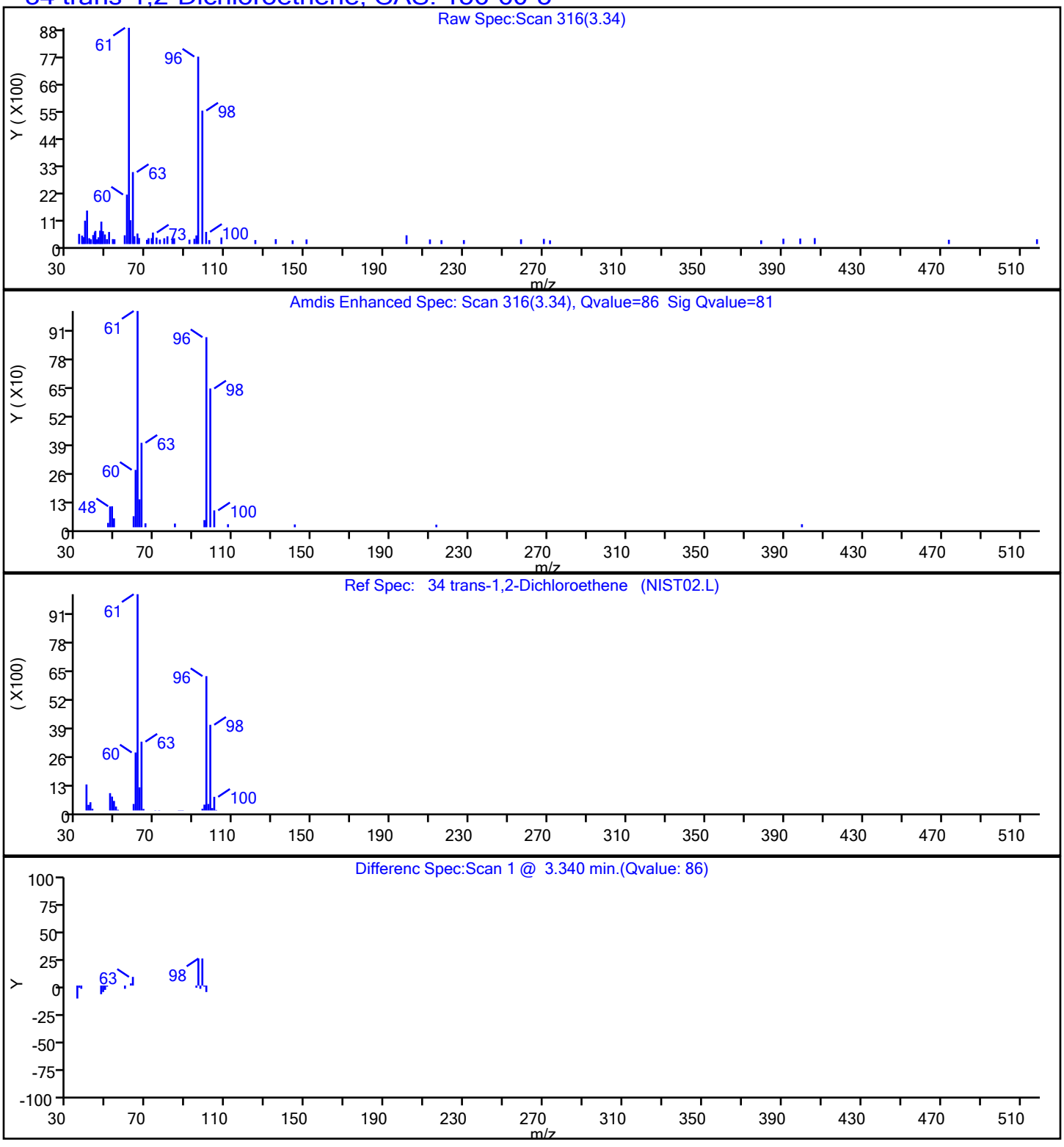
Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date:	19-Mar-2025 15:59:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-3	Lab Sample ID:	460-322205-3
Client ID:	RDI-MW-03D_20250313		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5



Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date: 19-Mar-2025 15:59:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-3 Lab Sample ID: 460-322205-3

Client ID: RDI-MW-03D_20250313

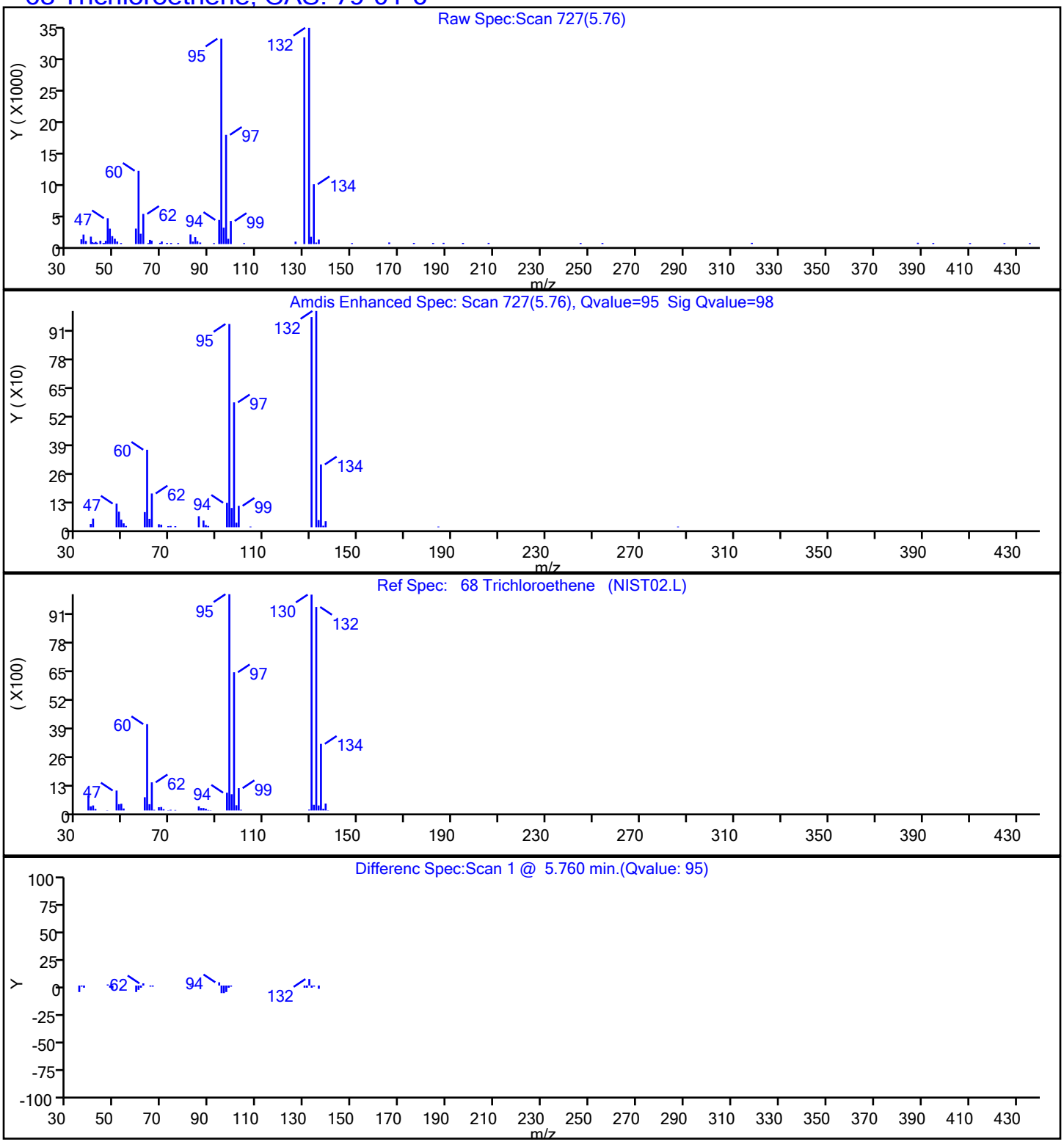
Operator ID: ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6



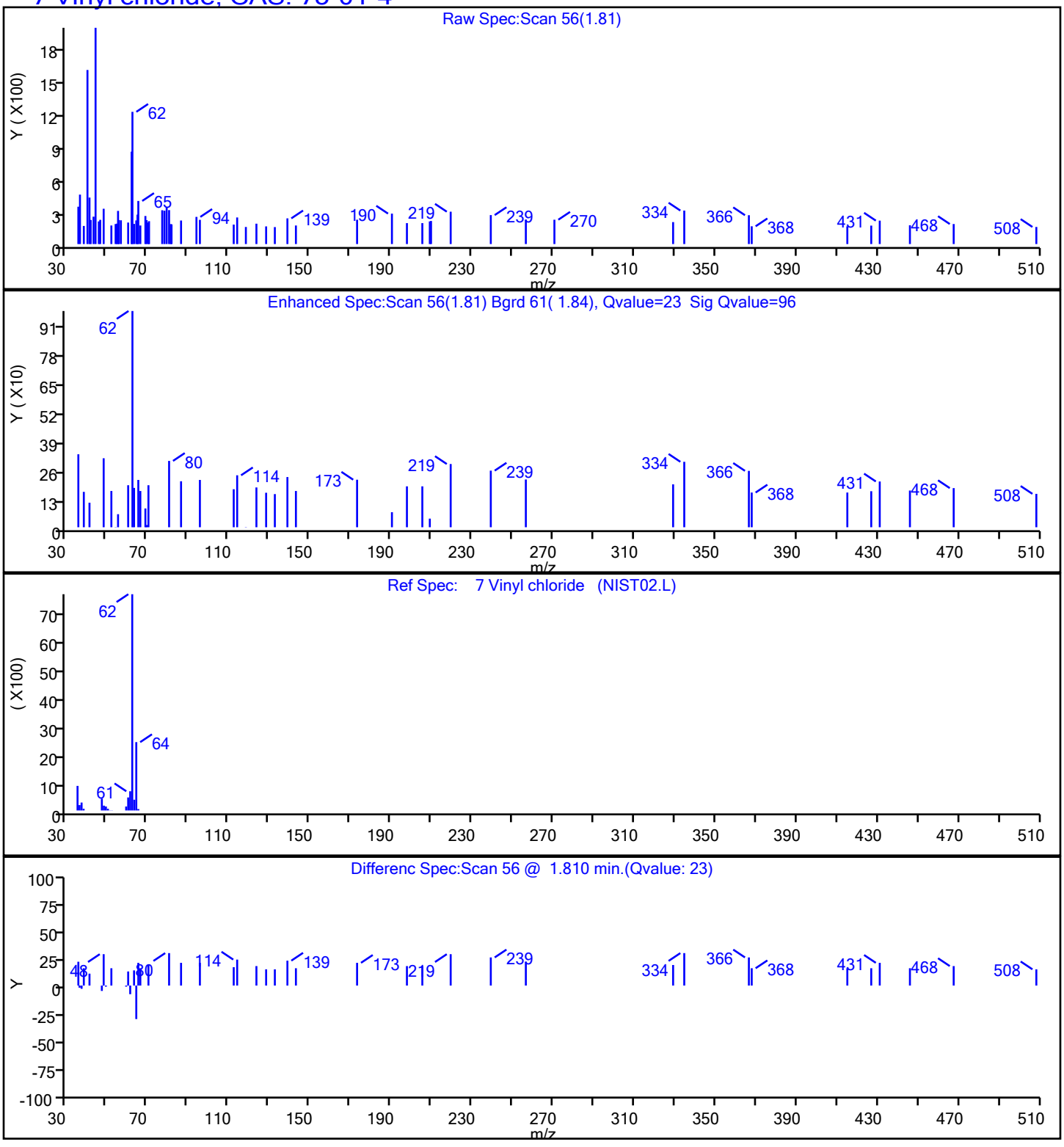
Report Date: 20-Mar-2025 13:00:59 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D

Injection Date:	19-Mar-2025 15:59:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-3	Lab Sample ID:	460-322205-3
Client ID:	RDI-MW-03D_20250313		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

7 Vinyl chloride, CAS: 75-01-4



Manual Integration/User Assign Peak Report

Eurofins Edison

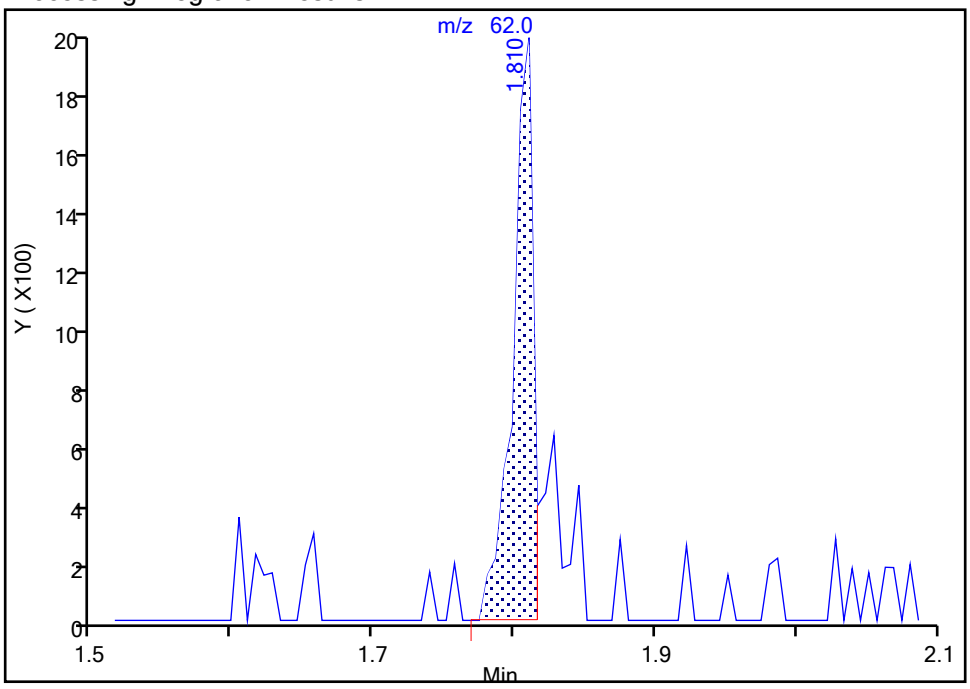
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23703.D				
Injection Date:	19-Mar-2025 15:59:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-3	Lab Sample ID:	460-322205-3		
Client ID:	RDI-MW-03D_20250313				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

Signal: 1

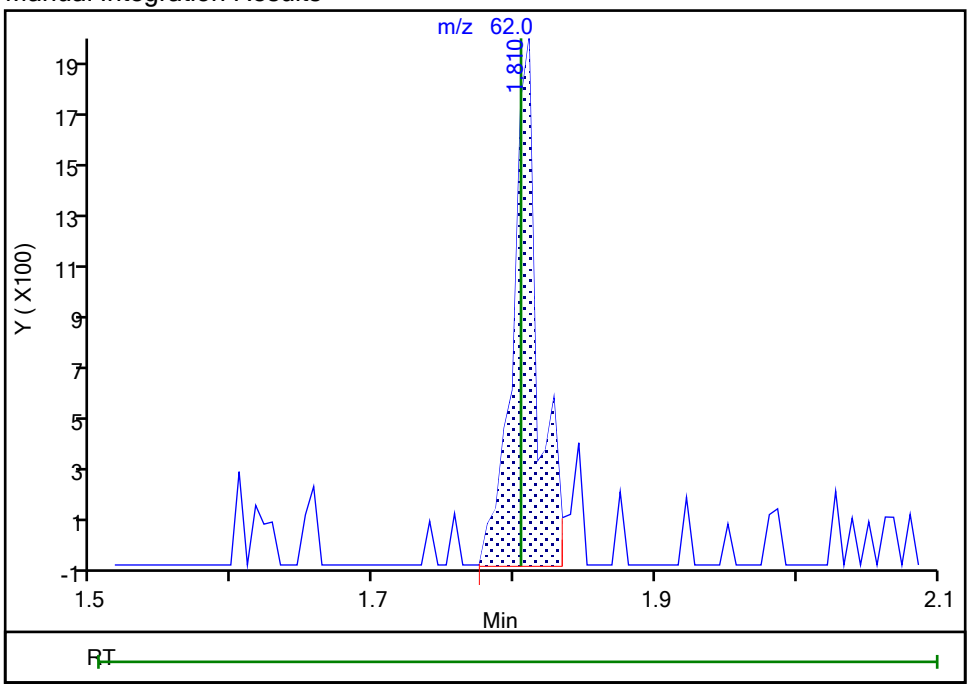
Processing Integration Results

RT: 1.81
Area: 1999
Amount: 0.505062
Amount Units: ug/l



Manual Integration Results

RT: 1.81
Area: 2441
Amount: 0.616737
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 13:00:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-02D_20250313 | Lab Sample ID: 460-322205-4

Matrix: Water | Lab File ID: A23704.D

Analysis Method: 8260D | Date Collected: 03/13/2025 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 16:23

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	3.5		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	1.2		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	2.1		0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-128
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	109		77-132
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D
Lims ID: 460-322205-B-4
Client ID: RDI-MW-02D_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 16:23:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-4
Misc. Info.: 460-0188137-024
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	147107	1000.0	
* 42 2-Butanone-d5	46	4.216	4.210	0.006	0	163620	250.0	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	82	12290	3.47	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	95	171204	54.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.005	0	152071	52.6	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	560377	50.0	
68 Trichloroethene	95	5.757	5.757	0.000	95	7172	2.09	
* 73 1,4-Dioxane-d8	96	6.151	6.134	0.017	0	23120	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.234	7.228	0.006	97	595364	52.9	
88 Tetrachloroethene	166	8.034	8.039	-0.005	88	3967	1.15	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	441301	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	90	169042	46.3	
* 121 1,4-Dichlorobenzene-d4	152	11.233	11.221	0.012	94	237255	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

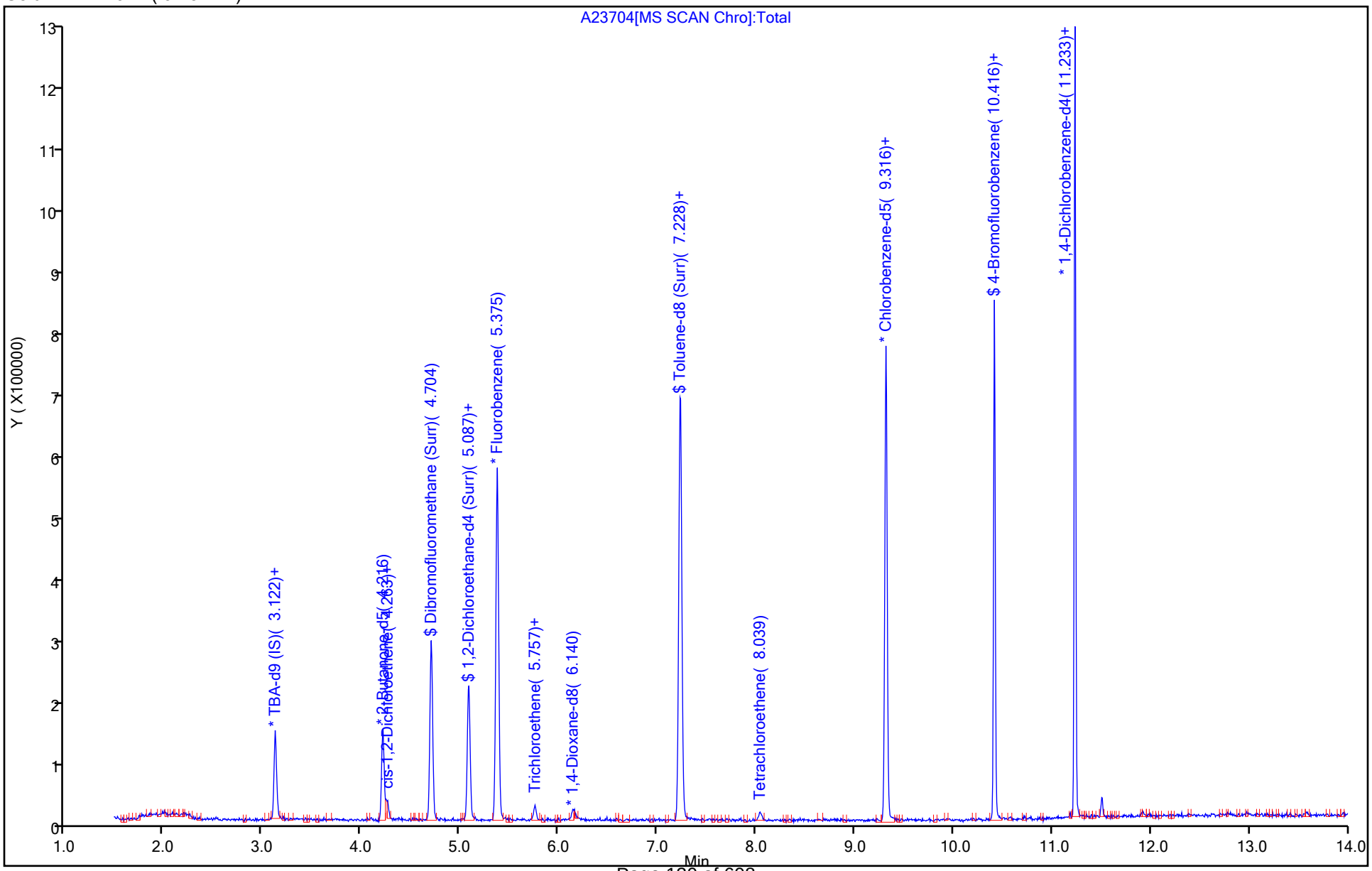
Report Date: 19-Mar-2025 18:06:22 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D

Injection Date:	19-Mar-2025 16:23:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-4	Lab Sample ID:	460-322205-4	Worklist Smp#:	24
Client ID:	RDI-MW-02D_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 18:06:22 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D
Lims ID: 460-322205-B-4
Client ID: RDI-MW-02D_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 16:23:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-4
Misc. Info.: 460-0188137-024
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	54.5	108.98
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.6	105.20
$ 83 Toluene-d8 (Surr)	50.0	52.9	105.80
$ 105 4-Bromofluorobenzene	50.0	46.3	92.57

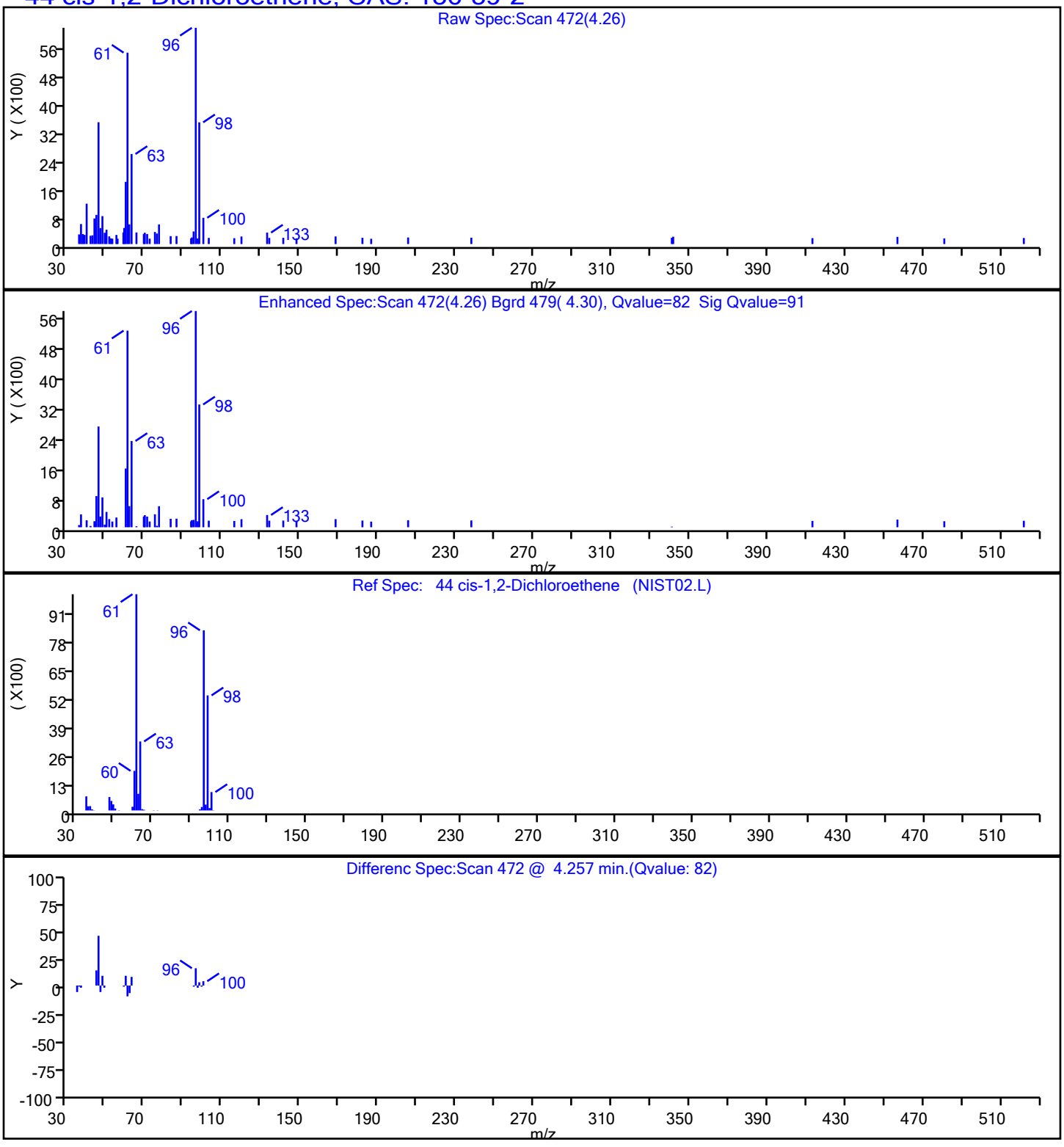
Report Date: 19-Mar-2025 18:06:22 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D

Injection Date:	19-Mar-2025 16:23:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-4	Lab Sample ID:	460-322205-4
Client ID:	RDI-MW-02D_20250313		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

44 cis-1,2-Dichloroethene, CAS: 156-59-2



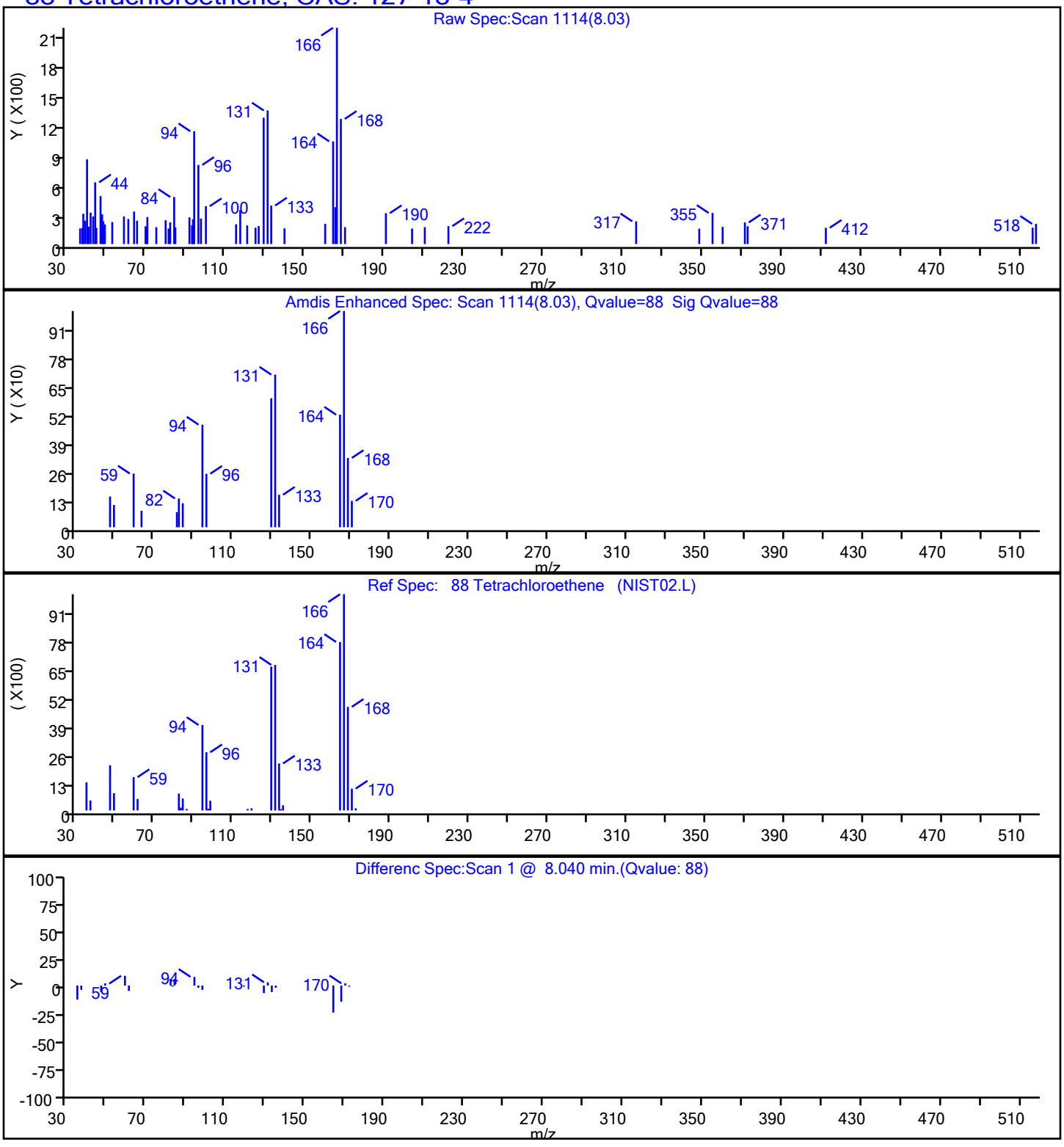
Report Date: 19-Mar-2025 18:06:22 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D

Injection Date:	19-Mar-2025 16:23:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-4	Lab Sample ID:	460-322205-4
Client ID:	RDI-MW-02D_20250313		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



Report Date: 19-Mar-2025 18:06:22 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23704.D

Injection Date: 19-Mar-2025 16:23:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-4 Lab Sample ID: 460-322205-4

Client ID: RDI-MW-02D_20250313

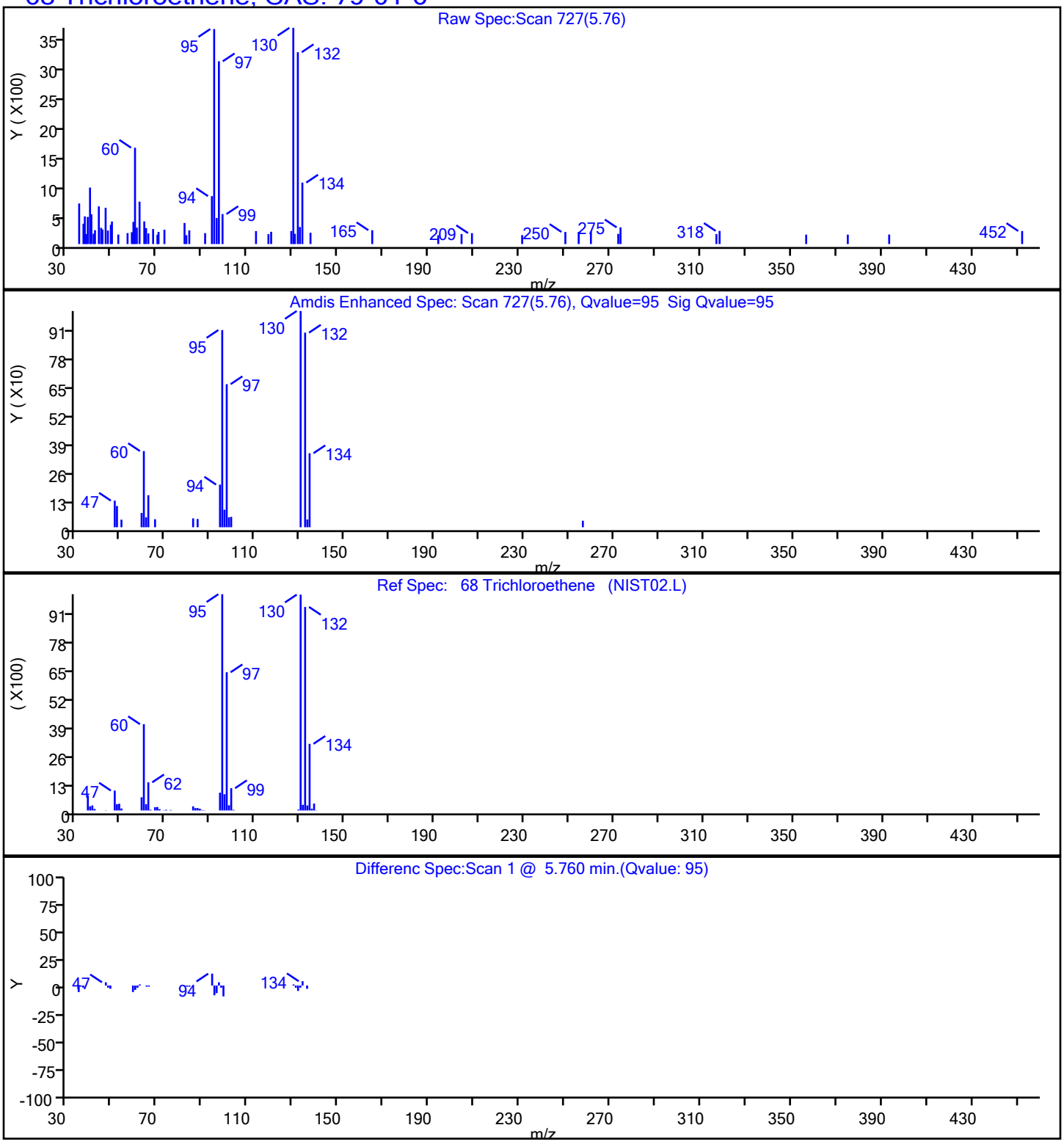
Operator ID: ALS Bottle#: 23 Worklist Smp#: 24

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-02I_20250314 | Lab Sample ID: 460-322205-5

Matrix: Water | Lab File ID: A23700.D

Analysis Method: 8260D | Date Collected: 03/14/2025 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 14:45

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.46	J	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.4		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	42		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	2.0		0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-128
460-00-4	4-Bromofluorobenzene	90		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D
Lims ID: 460-322205-B-5
Client ID: RDI-MW-02I_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 14:45:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-5
Misc. Info.: 460-0188137-020
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:09:18 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	152880	1000.0	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	162288	250.0	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	94	4932	1.35	
52 Chloroform	83	4.545	4.540	0.005	51	2686	0.4602	M
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	169521	52.4	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	154514	51.9	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	577442	50.0	
68 Trichloroethene	95	5.757	5.757	0.000	93	6939	1.96	
* 73 1,4-Dioxane-d8	96	6.145	6.140	0.005	0	23690	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	596161	49.8	
88 Tetrachloroethene	166	8.039	8.039	0.000	95	154960	42.3	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	469104	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	93	175468	45.2	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	95	245673	50.0	
128 1,2-Dichlorobenzene	146	11.504	11.498	0.006	94	12116	1.70	
S 136 1,2-Dichloroethene, Total	100				0		1.35	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

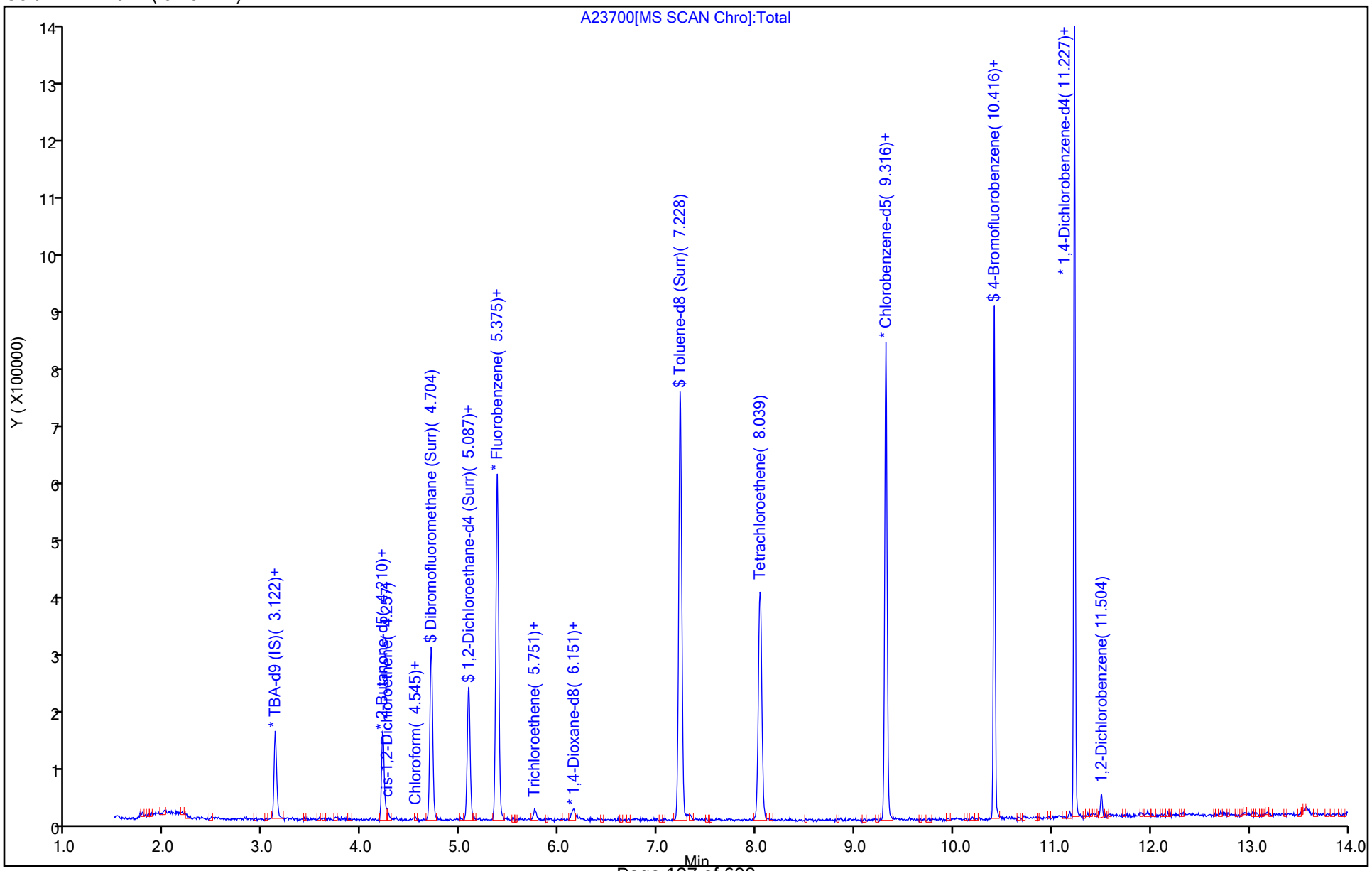
Report Date: 20-Mar-2025 13:09:19 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D

Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5	Worklist Smp#:	20
Client ID:	RDI-MW-02I_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 13:09:19 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D
Lims ID: 460-322205-B-5
Client ID: RDI-MW-02I_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 14:45:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-5
Misc. Info.: 460-0188137-020
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:09:18 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:05:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.4	104.72
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.9	103.73
$ 83 Toluene-d8 (Surr)	50.0	49.8	99.66
$ 105 4-Bromofluorobenzene	50.0	45.2	90.39

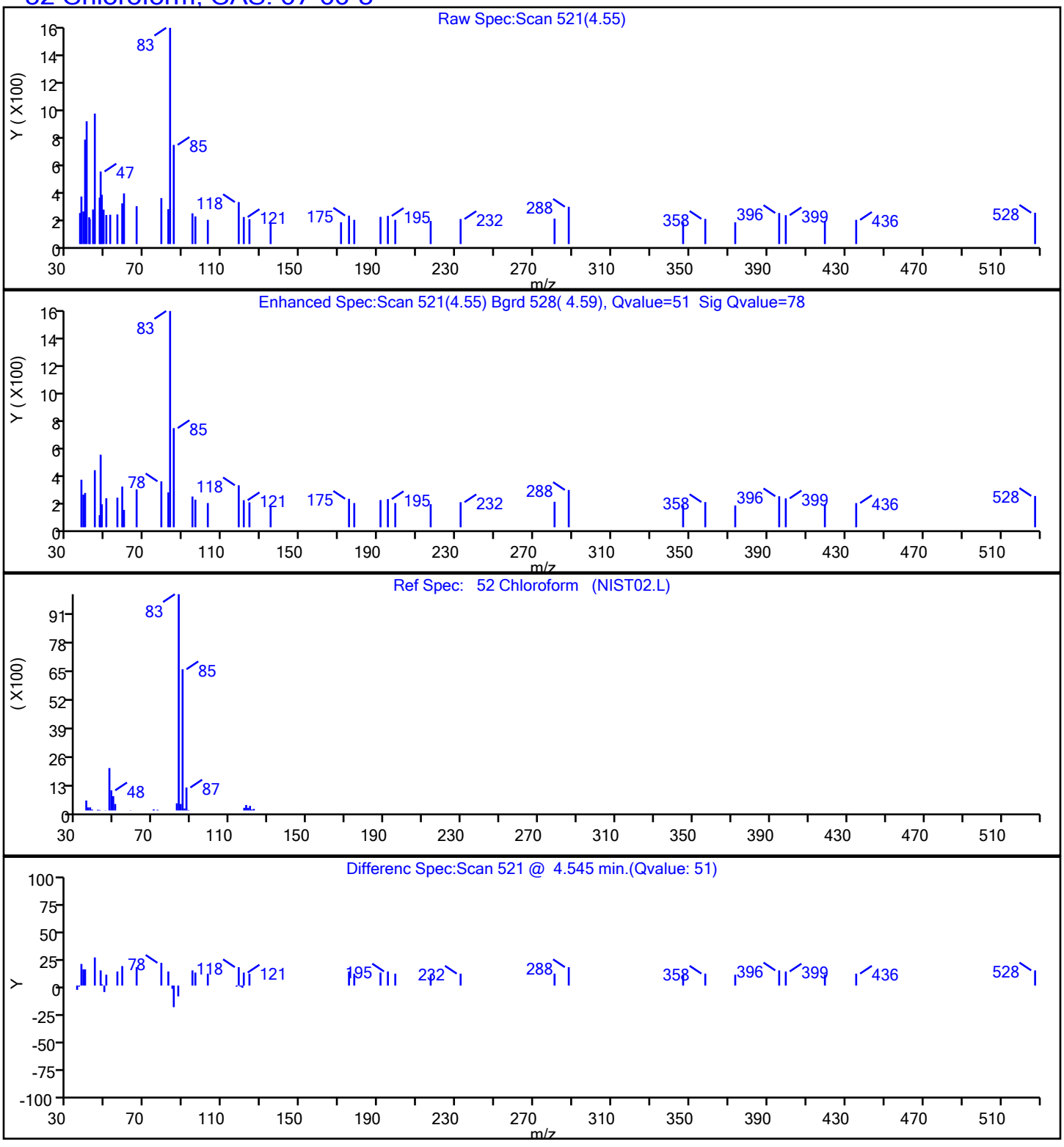
Report Date: 20-Mar-2025 13:09:19 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D

Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5
Client ID:	RDI-MW-02I_20250314		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3



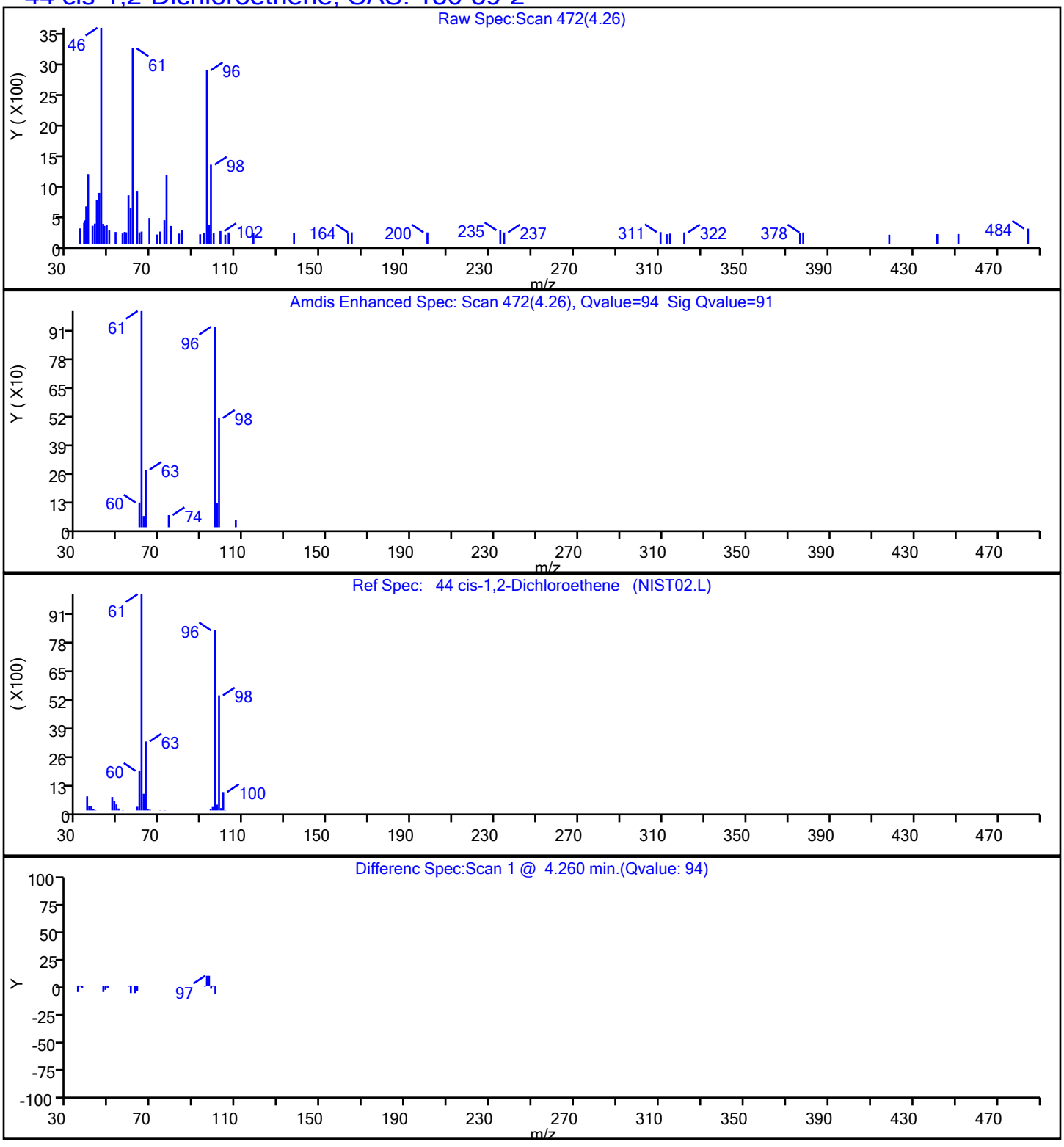
Report Date: 20-Mar-2025 13:09:19 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D

Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5		
Client ID:	RDI-MW-02I_20250314				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

44 cis-1,2-Dichloroethene, CAS: 156-59-2



Report Date: 20-Mar-2025 13:09:20 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D

Injection Date: 19-Mar-2025 14:45:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-5 Lab Sample ID: 460-322205-5

Client ID: RDI-MW-02I_20250314

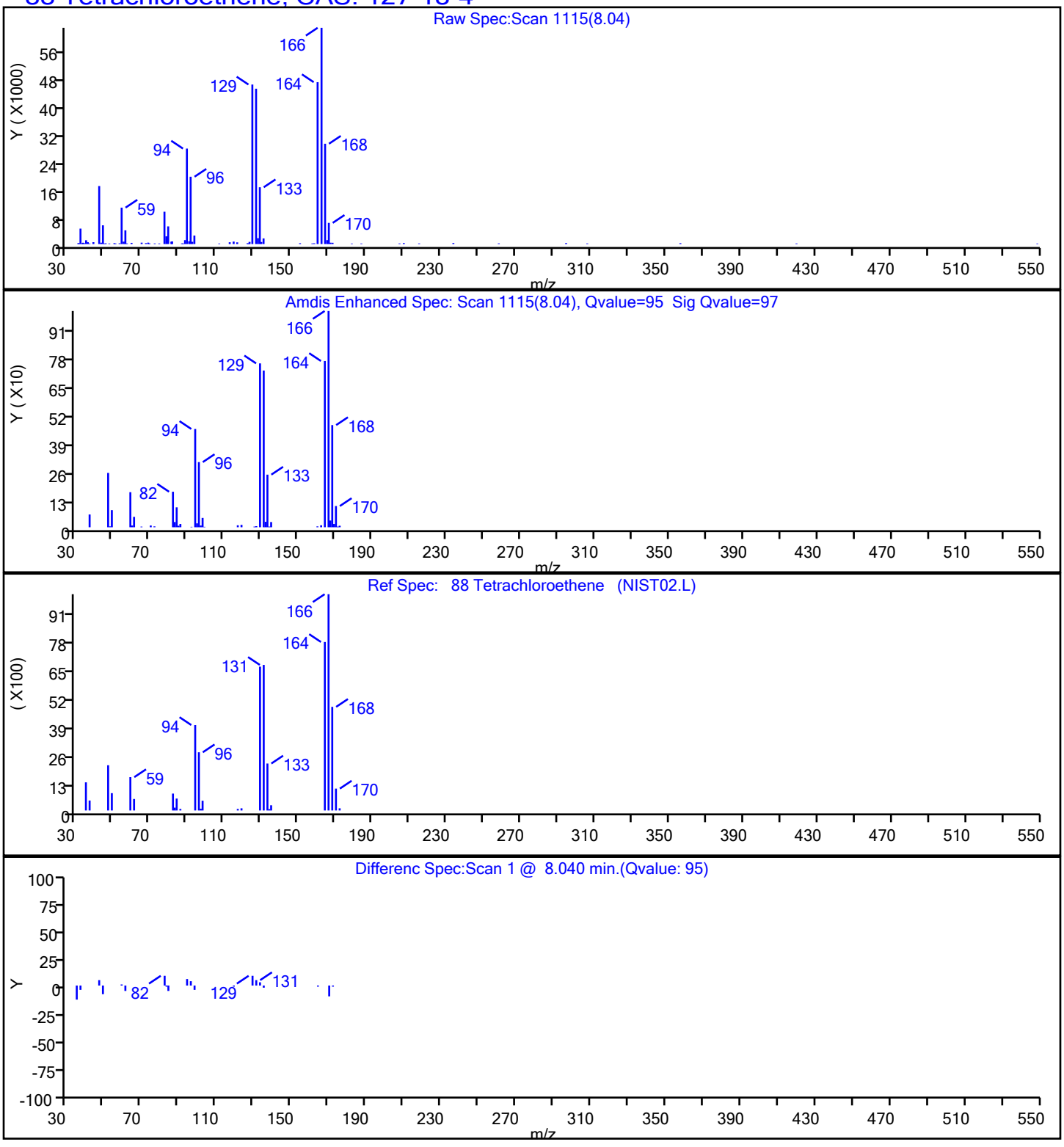
Operator ID: ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



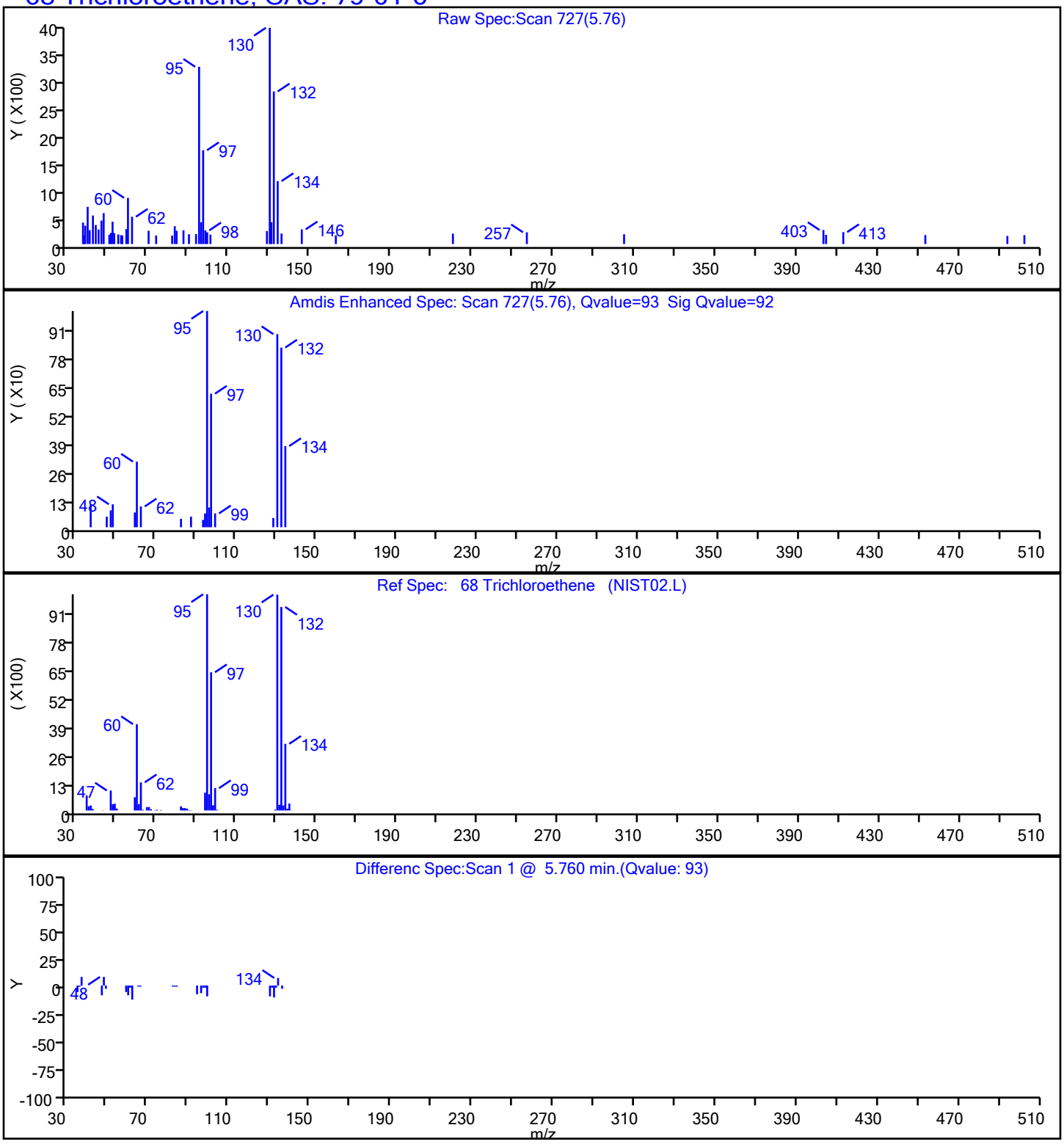
Report Date: 20-Mar-2025 13:09:19 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D

Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5
Client ID:	RDI-MW-02I_20250314		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

68 Trichloroethene, CAS: 79-01-6



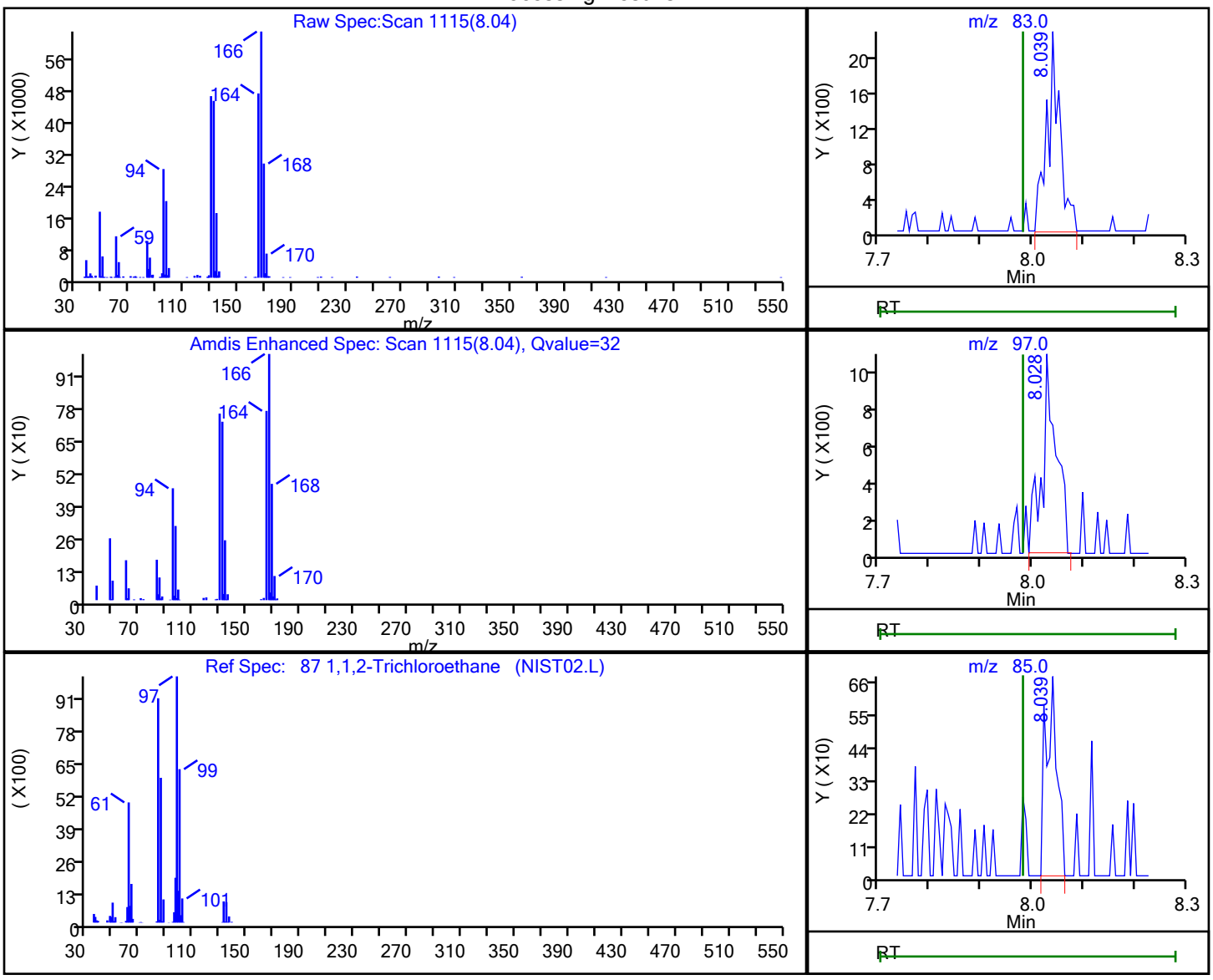
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D				
Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5		
Client ID:	RDI-MW-02I_20250314				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

87 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
8.04	83.00	3864	1.688110
8.03	97.00	1945	
8.04	85.00	1047	

Reviewer: C1JX, 19-Mar-2025 18:04:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Edison

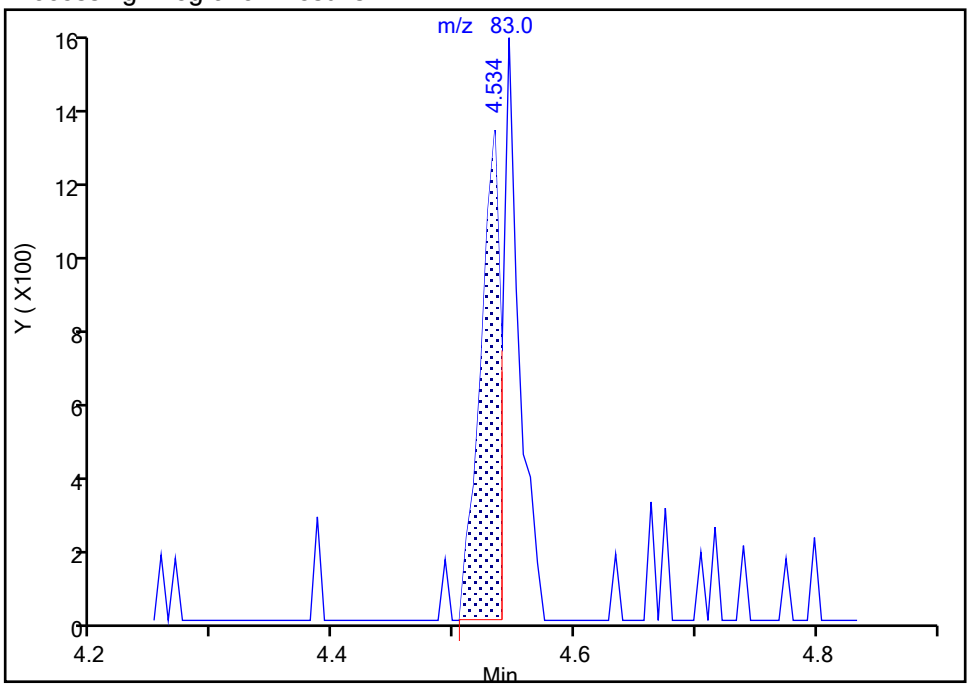
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D		
Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5
Client ID:	RDI-MW-02I_20250314		
Operator ID:		ALS Bottle#:	19 Worklist Smp#: 20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3

Signal: 1

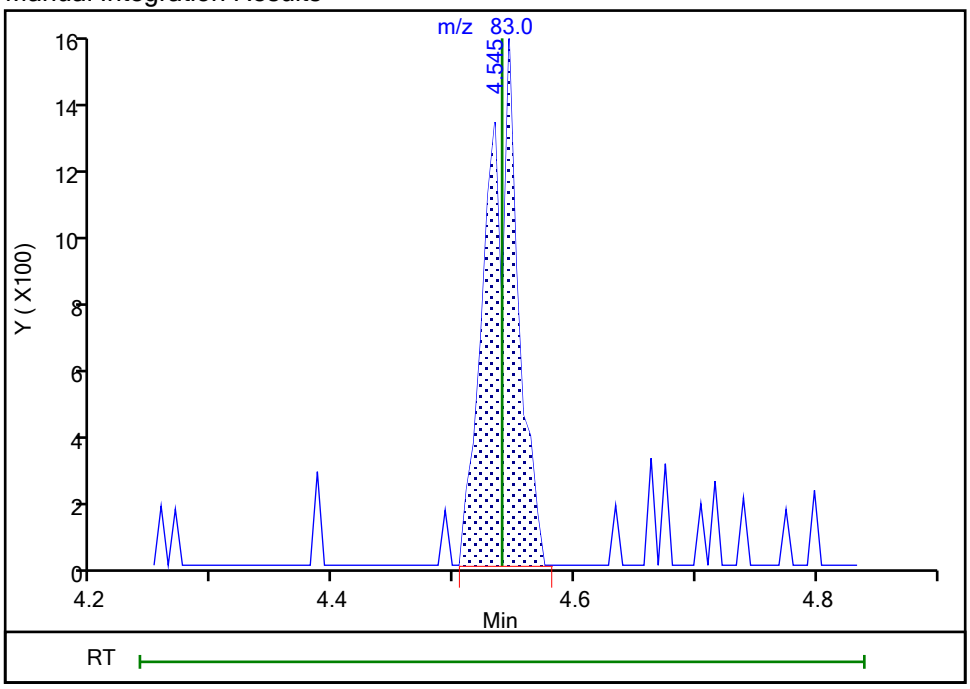
Processing Integration Results

RT: 4.53
Area: 1507
Amount: 0.258180
Amount Units: ug/l



Manual Integration Results

RT: 4.55
Area: 2686
Amount: 0.460168
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 13:09:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

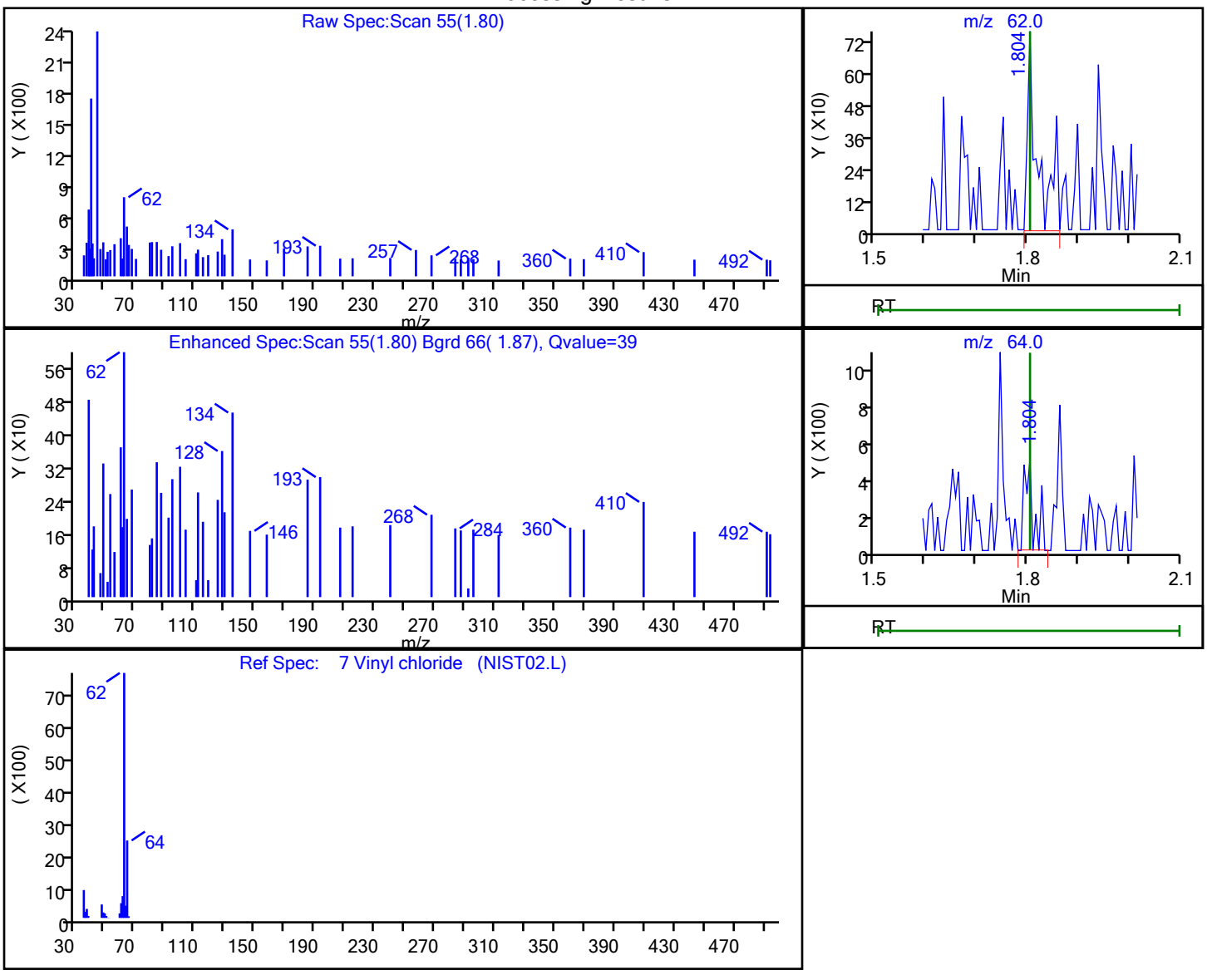
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23700.D				
Injection Date:	19-Mar-2025 14:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-5	Lab Sample ID:	460-322205-5		
Client ID:	RDI-MW-02I_20250314				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.80	62.00	1070	0.268007
1.80	64.00	609	

Reviewer: C1JX, 19-Mar-2025 18:04:14 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-02S_20250314 | Lab Sample ID: 460-322205-6

Matrix: Water | Lab File ID: A23705.D

Analysis Method: 8260D | Date Collected: 03/14/2025 09:50

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 16:48

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.4		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	18		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-128
460-00-4	4-Bromofluorobenzene	88		76-120
1868-53-7	Dibromofluoromethane (Surr)	109		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23705.D
Lims ID: 460-322205-B-6
Client ID: RDI-MW-02S_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 16:48:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-6
Misc. Info.: 460-0188137-025
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	137508	1000.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	150033	250.0	
52 Chloroform	83	4.540	4.539	0.001	95	8102	1.42	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	92	171229	54.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.001	0	150145	51.7	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	562905	50.0	
* 73 1,4-Dioxane-d8	96	6.145	6.134	0.011	0	19677	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.233	7.228	0.005	99	585414	51.6	
88 Tetrachloroethene	166	8.045	8.039	0.006	96	62738	18.1	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	444583	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	91	161788	44.0	
* 121 1,4-Dichlorobenzene-d4	152	11.233	11.221	0.012	95	230091	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

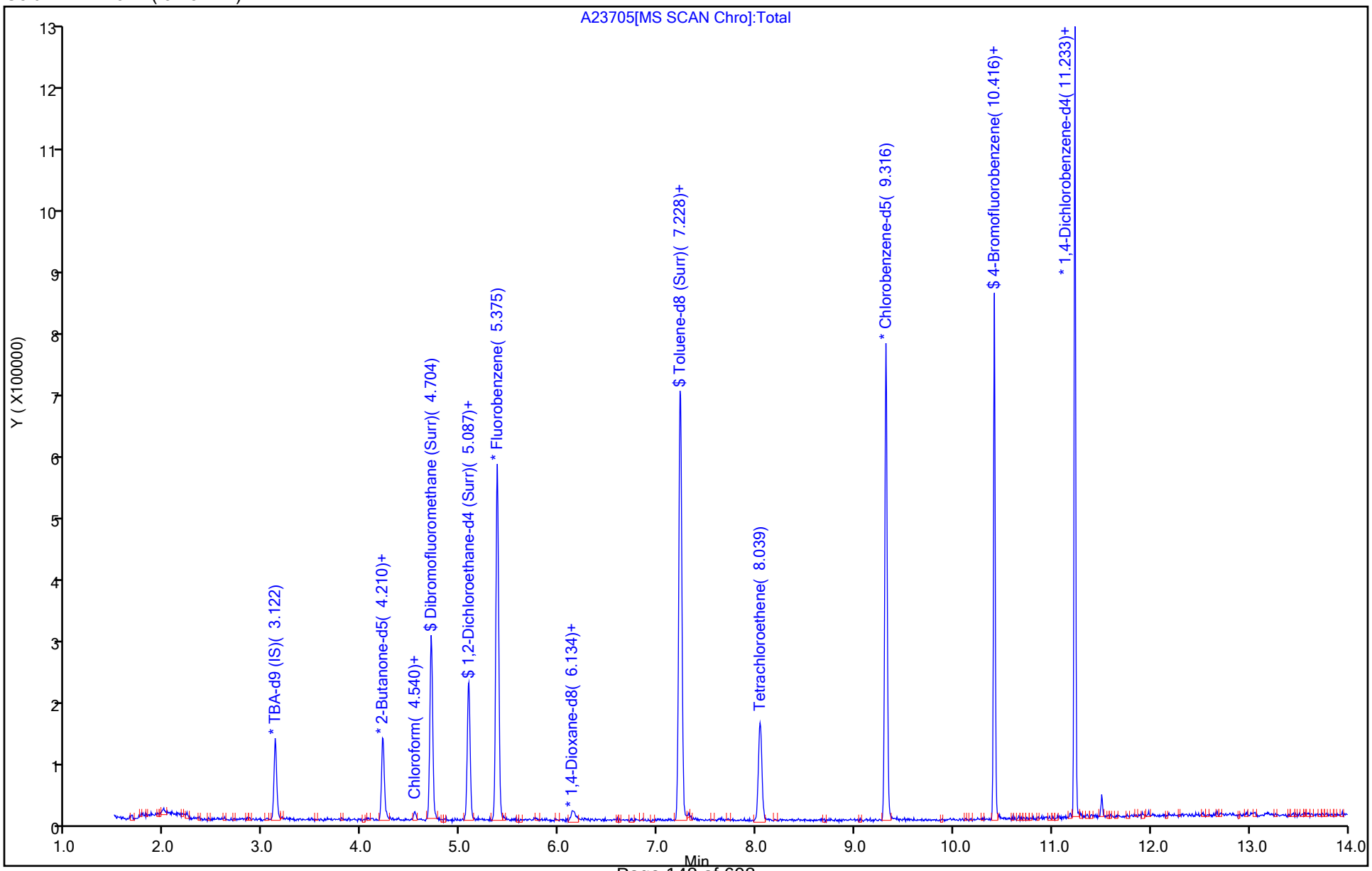
Report Date: 19-Mar-2025 18:06:36 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23705.D

Injection Date:	19-Mar-2025 16:48:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-6	Lab Sample ID:	460-322205-6	Worklist Smp#:	25
Client ID:	RDI-MW-02S_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 18:06:36 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23705.D
Lims ID: 460-322205-B-6
Client ID: RDI-MW-02S_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 16:48:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-6
Misc. Info.: 460-0188137-025
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:35

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	54.3	108.51
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.7	103.40
$ 83 Toluene-d8 (Surr)	50.0	51.6	103.26
$ 105 4-Bromofluorobenzene	50.0	44.0	87.94

Report Date: 19-Mar-2025 18:06:36 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23705.D

Injection Date: 19-Mar-2025 16:48:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-6 Lab Sample ID: 460-322205-6

Client ID: RDI-MW-02S_20250314

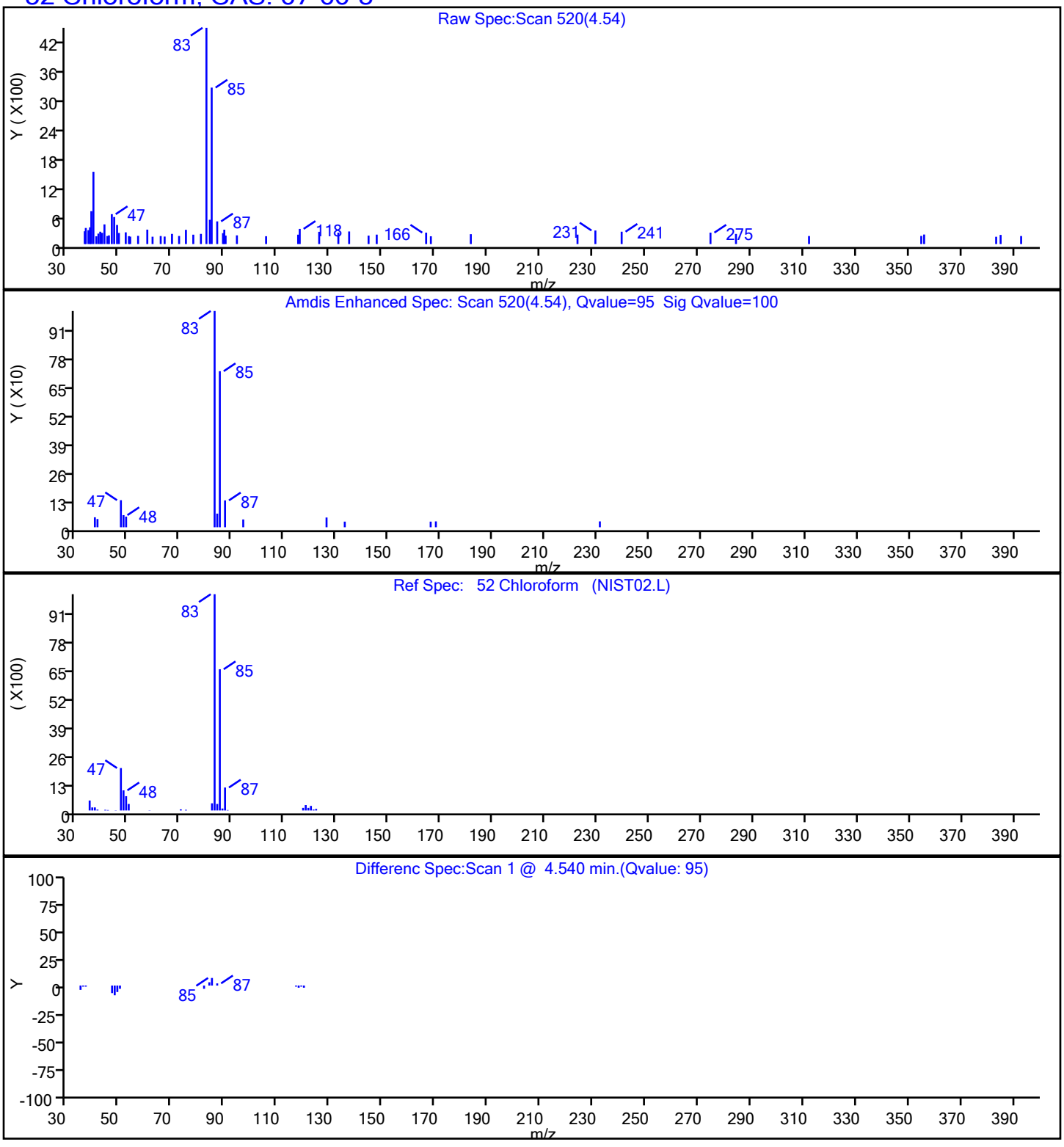
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

52 Chloroform, CAS: 67-66-3



Report Date: 19-Mar-2025 18:06:36 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23705.D

Injection Date: 19-Mar-2025 16:48:30 Instrument ID: CVOAMS1

Lims ID: 460-322205-B-6 Lab Sample ID: 460-322205-6

Client ID: RDI-MW-02S_20250314

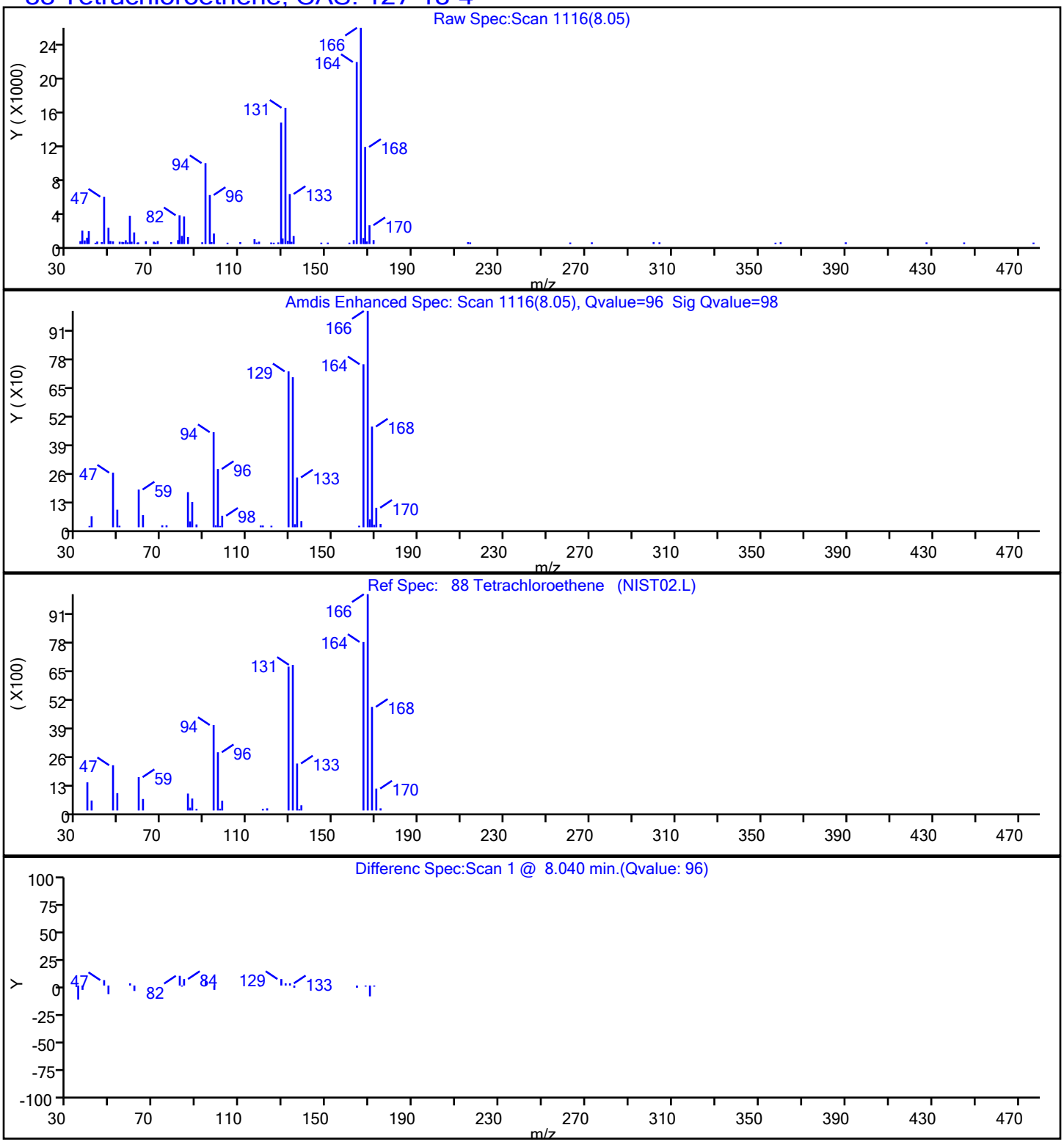
Operator ID: ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-01S_20250314 | Lab Sample ID: 460-322205-7

Matrix: Water | Lab File ID: A23706.D

Analysis Method: 8260D | Date Collected: 03/14/2025 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 17:12

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.3		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.51		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-128
460-00-4	4-Bromofluorobenzene	91		76-120
1868-53-7	Dibromofluoromethane (Surr)	110		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23706.D
Lims ID: 460-322205-B-7
Client ID: RDI-MW-01S_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 17:12:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-7
Misc. Info.: 460-0188137-026
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	147526	1000.0	
* 42 2-Butanone-d5	46	4.216	4.210	0.006	0	153933	250.0	
52 Chloroform	83	4.534	4.539	-0.005	97	7077	1.27	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	95	170496	55.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.005	0	151199	53.1	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	551529	50.0	
* 73 1,4-Dioxane-d8	96	6.134	6.134	0.000	0	21451	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	574145	51.5	
88 Tetrachloroethene	166	8.051	8.039	0.012	30	1725	0.5055	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	436877	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	90	164734	45.6	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.221	0.006	95	232316	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

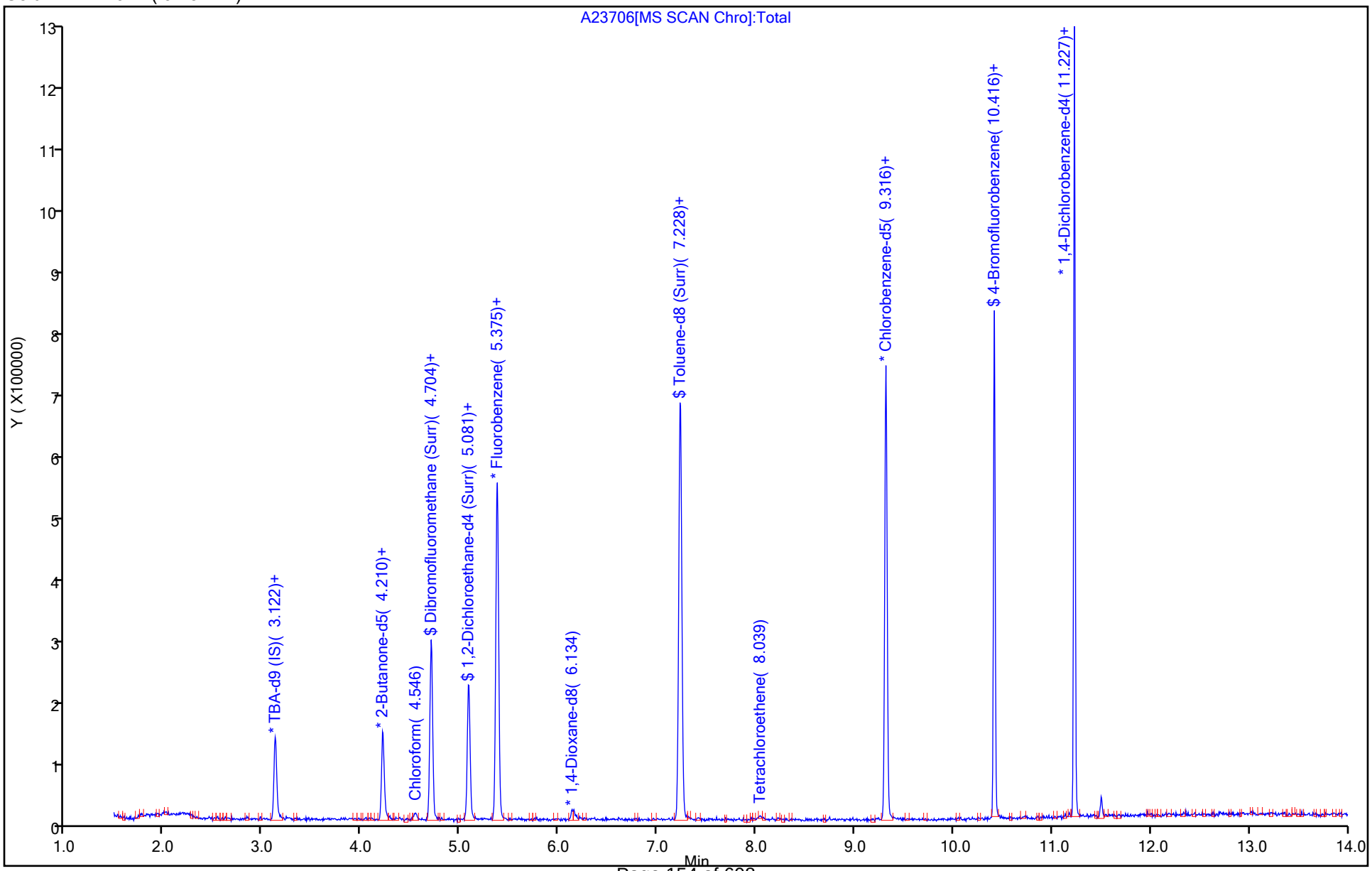
Report Date: 19-Mar-2025 18:06:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23706.D

Injection Date:	19-Mar-2025 17:12:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-7	Lab Sample ID:	460-322205-7	Worklist Smp#:	26
Client ID:	RDI-MW-01S_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 18:06:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23706.D				
Lims ID:	460-322205-B-7				
Client ID:	RDI-MW-01S_20250314				
Sample Type:	Client				
Inject. Date:	19-Mar-2025 17:12:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-322205-B-7				
Misc. Info.:	460-0188137-026				
Operator ID:		Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	19-Mar-2025 18:05:52	Calib Date:	01-Mar-2025 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: C1JX Date: 19-Mar-2025 18:06:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	55.1	110.27
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	53.1	106.27
$ 83 Toluene-d8 (Surr)	50.0	51.5	103.06
$ 105 4-Bromofluorobenzene	50.0	45.6	91.12

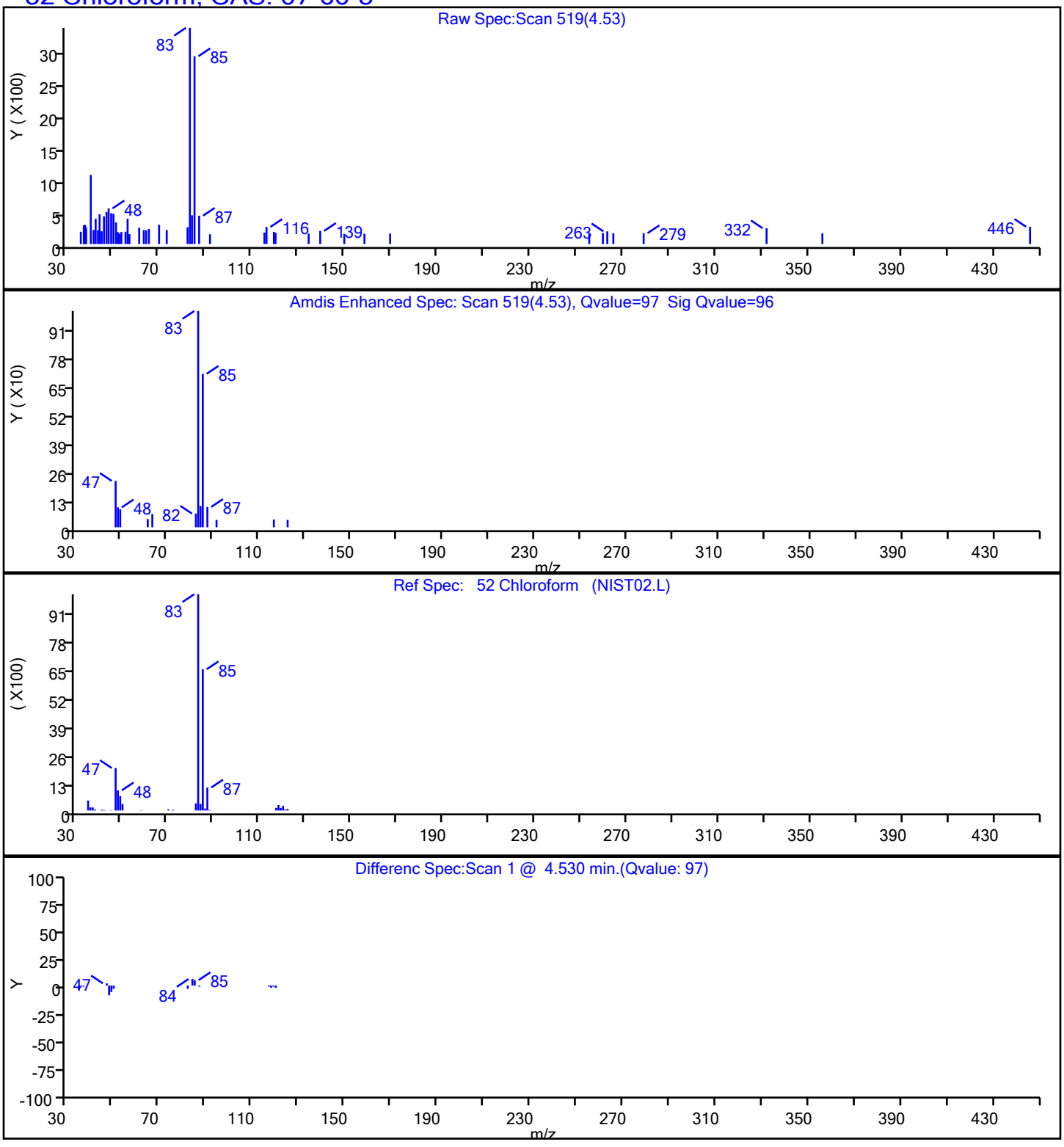
Report Date: 19-Mar-2025 18:06:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23706.D

Injection Date:	19-Mar-2025 17:12:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-7	Lab Sample ID:	460-322205-7
Client ID:	RDI-MW-01S_20250314		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3



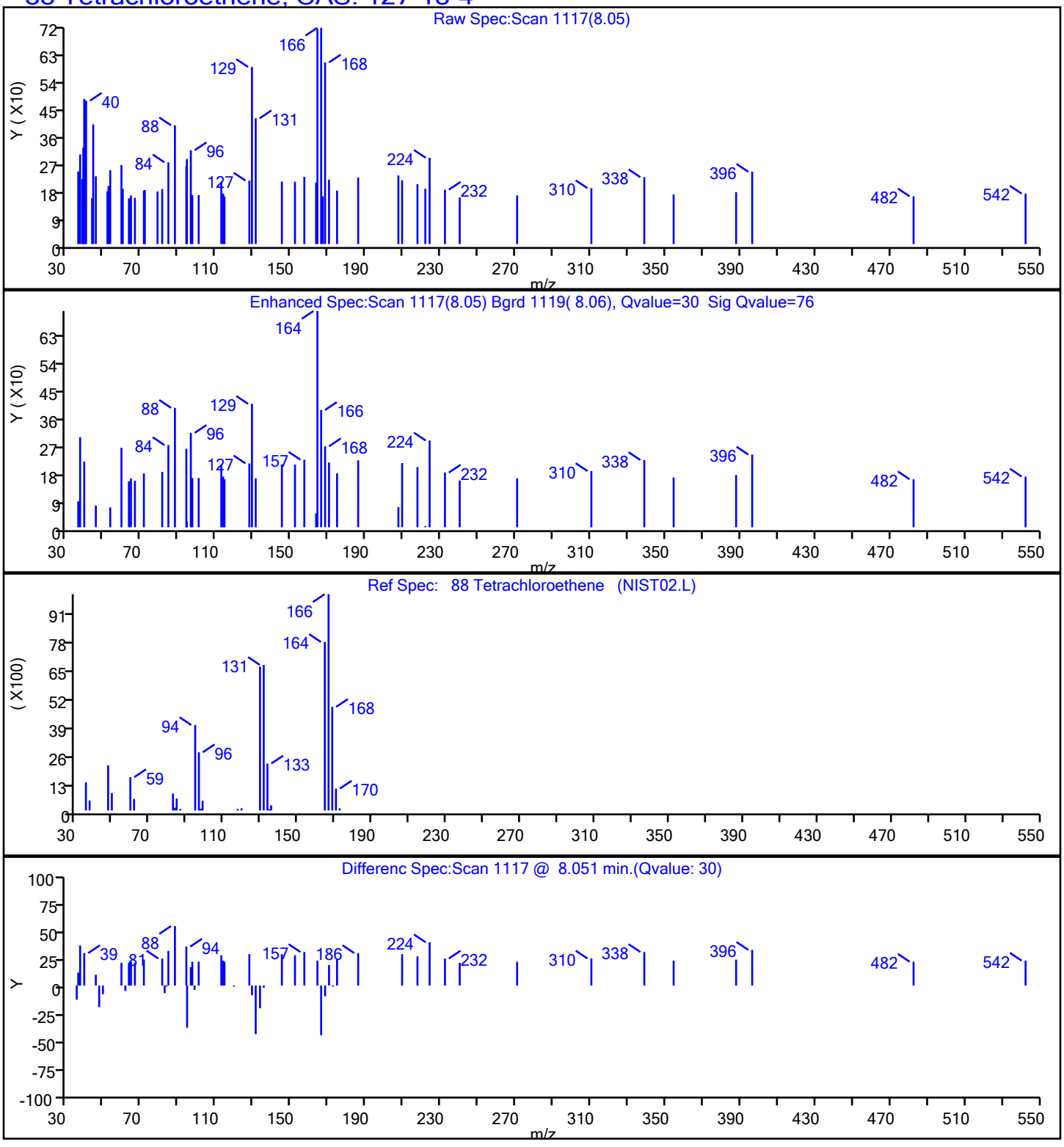
Report Date: 19-Mar-2025 18:06:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23706.D

Injection Date:	19-Mar-2025 17:12:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-7	Lab Sample ID:	460-322205-7
Client ID:	RDI-MW-01S_20250314		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

88 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-01I_20250314 | Lab Sample ID: 460-322205-8

Matrix: Water | Lab File ID: A23707.D

Analysis Method: 8260D | Date Collected: 03/14/2025 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 17:36

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-128
460-00-4	4-Bromofluorobenzene	91		76-120
1868-53-7	Dibromofluoromethane (Surr)	107		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23707.D
Lims ID: 460-322205-B-8
Client ID: RDI-MW-01I_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 17:36:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-8
Misc. Info.: 460-0188137-027
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:09:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	148931	1000.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	159775	250.0	
52 Chloroform	83	4.540	4.539	0.001	90	5849	1.03	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	95	169393	53.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.001	0	152596	52.6	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	562199	50.0	
* 73 1,4-Dioxane-d8	96	6.140	6.134	0.006	0	21999	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	100	579792	51.7	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	439730	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	90	165165	45.4	
* 121 1,4-Dichlorobenzene-d4	152	11.222	11.221	0.001	95	233492	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

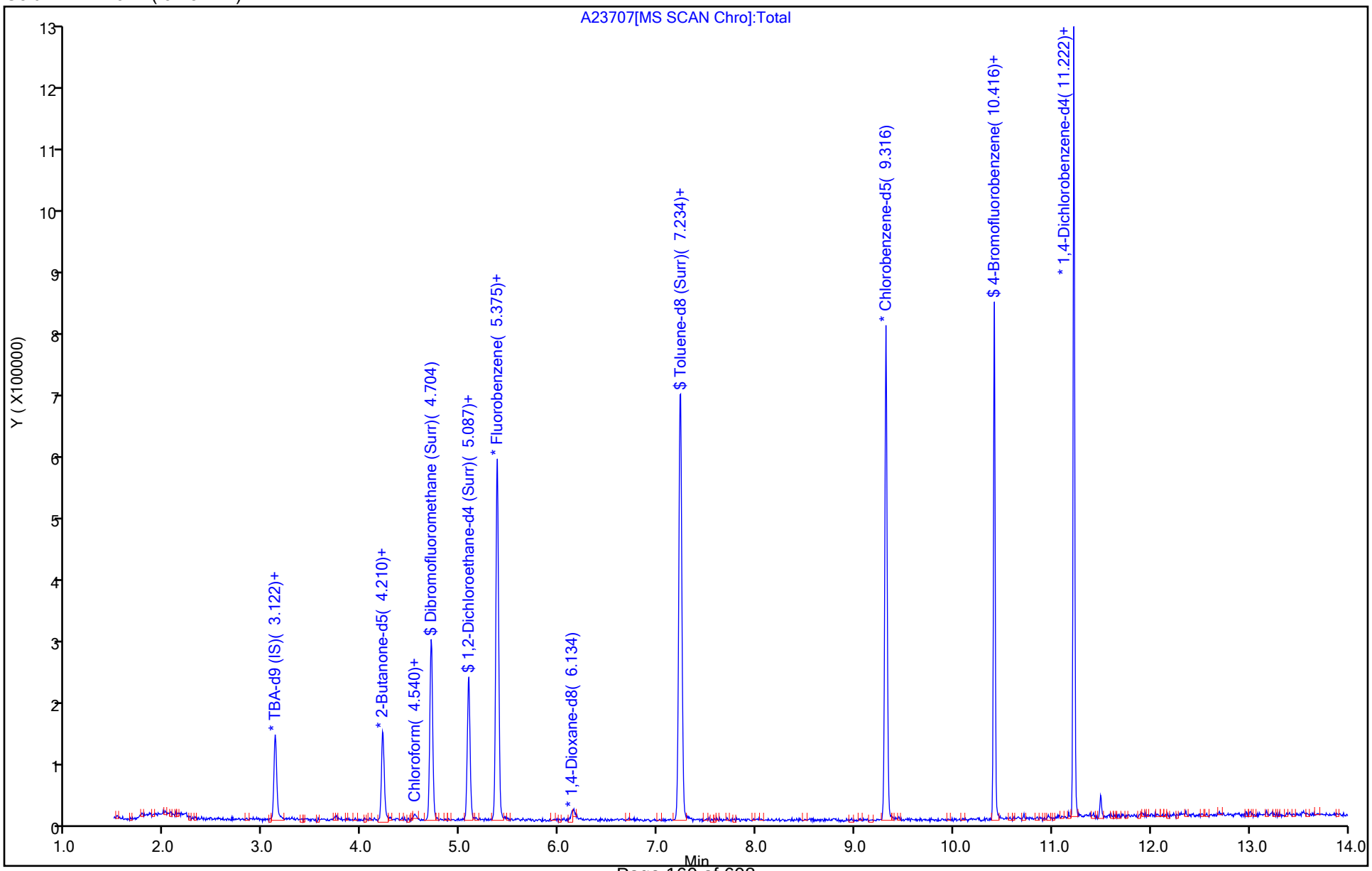
Report Date: 19-Mar-2025 18:09:02 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23707.D

Injection Date:	19-Mar-2025 17:36:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-8	Lab Sample ID:	460-322205-8	Worklist Smp#:	27
Client ID:	RDI-MW-01I_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23707.D
Lims ID: 460-322205-B-8
Client ID: RDI-MW-01I_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 17:36:30 ALS Bottle#: 26 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-8
Misc. Info.: 460-0188137-027
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:05:52 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:09:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.7	107.48
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.6	105.22
$ 83 Toluene-d8 (Surr)	50.0	51.7	103.40
$ 105 4-Bromofluorobenzene	50.0	45.4	90.77

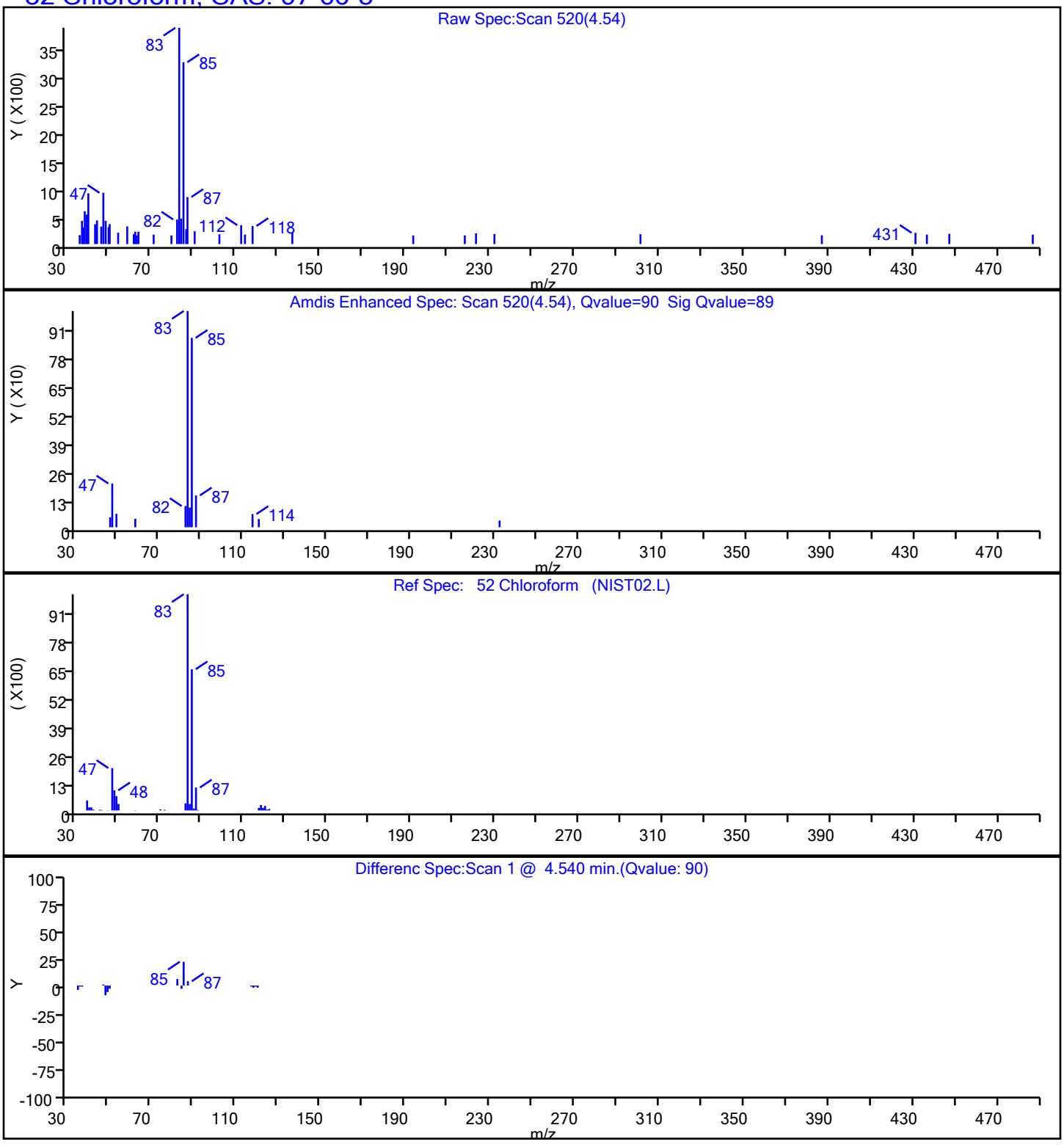
Report Date: 19-Mar-2025 18:09:02 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23707.D

Injection Date:	19-Mar-2025 17:36:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-8	Lab Sample ID:	460-322205-8
Client ID:	RDI-MW-01I_20250314		
Operator ID:		ALS Bottle#:	26 Worklist Smp#: 27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-01D_20250314 | Lab Sample ID: 460-322205-9

Matrix: Water | Lab File ID: A23708.D

Analysis Method: 8260D | Date Collected: 03/14/2025 14:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 18:01

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.75	J	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-128
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	108		77-132
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D
Lims ID: 460-322205-B-9
Client ID: RDI-MW-01D_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 18:01:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-9
Misc. Info.: 460-0188137-028
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:08:03 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:21:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	152578	1000.0	
* 42 2-Butanone-d5	46	4.216	4.216	0.000	0	169656	250.0	
52 Chloroform	83	4.534	4.540	-0.006	45	4193	0.7463	M
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	168130	53.9	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.081	0.006	0	151048	52.7	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	555834	50.0	
* 73 1,4-Dioxane-d8	96	6.139	6.140	-0.001	0	22816	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.234	7.228	0.006	99	589975	52.6	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	439588	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	91	162356	44.6	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	95	231543	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

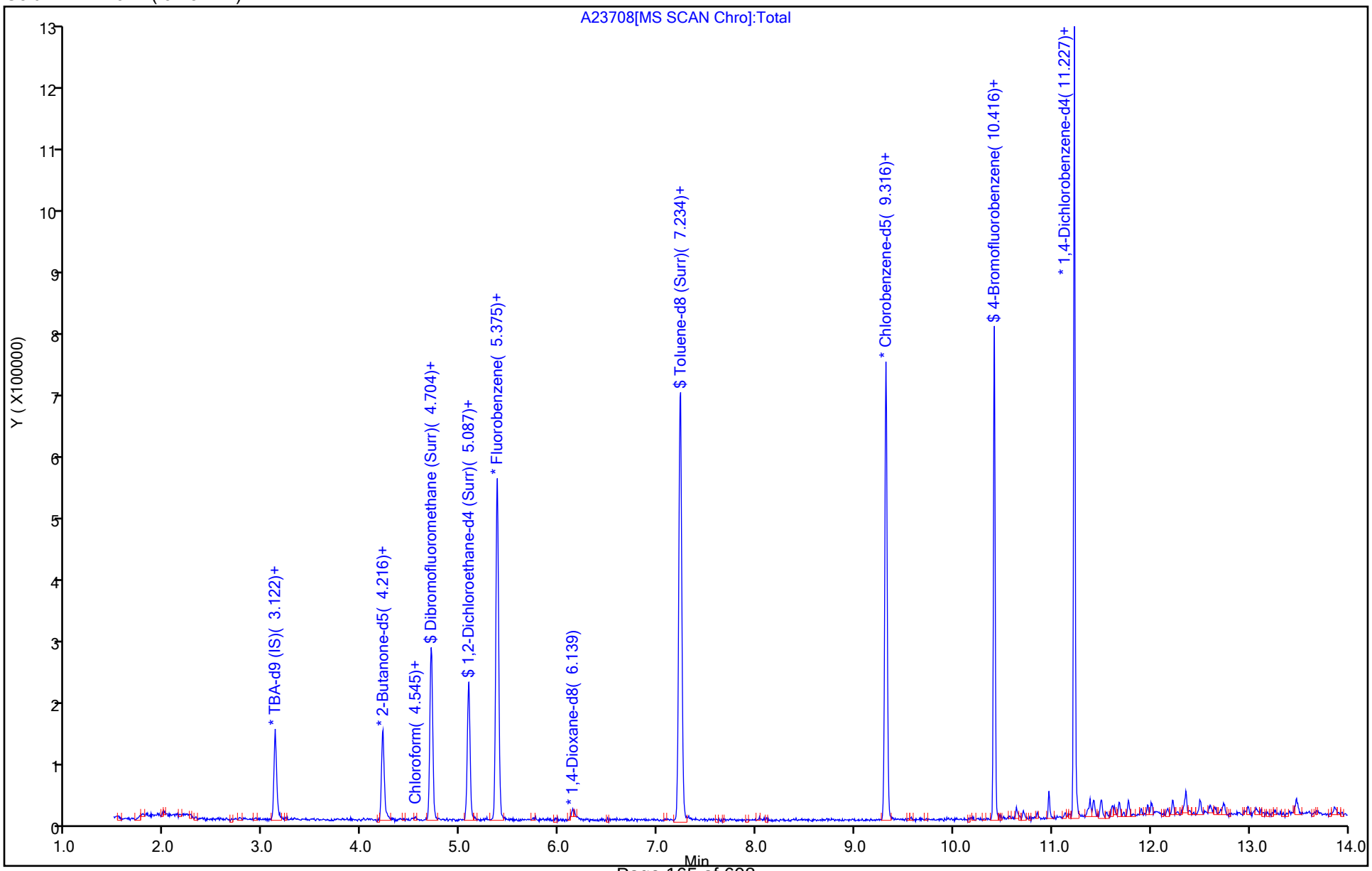
Report Date: 20-Mar-2025 13:08:04 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D

Injection Date:	19-Mar-2025 18:01:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-9	Lab Sample ID:	460-322205-9	Worklist Smp#:	28
Client ID:	RDI-MW-01D_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 13:08:04 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D
Lims ID: 460-322205-B-9
Client ID: RDI-MW-01D_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 18:01:30 ALS Bottle#: 27 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-9
Misc. Info.: 460-0188137-028
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:08:03 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:21:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.9	107.90
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.7	105.34
$ 83 Toluene-d8 (Surr)	50.0	52.6	105.25
$ 105 4-Bromofluorobenzene	50.0	44.6	89.25

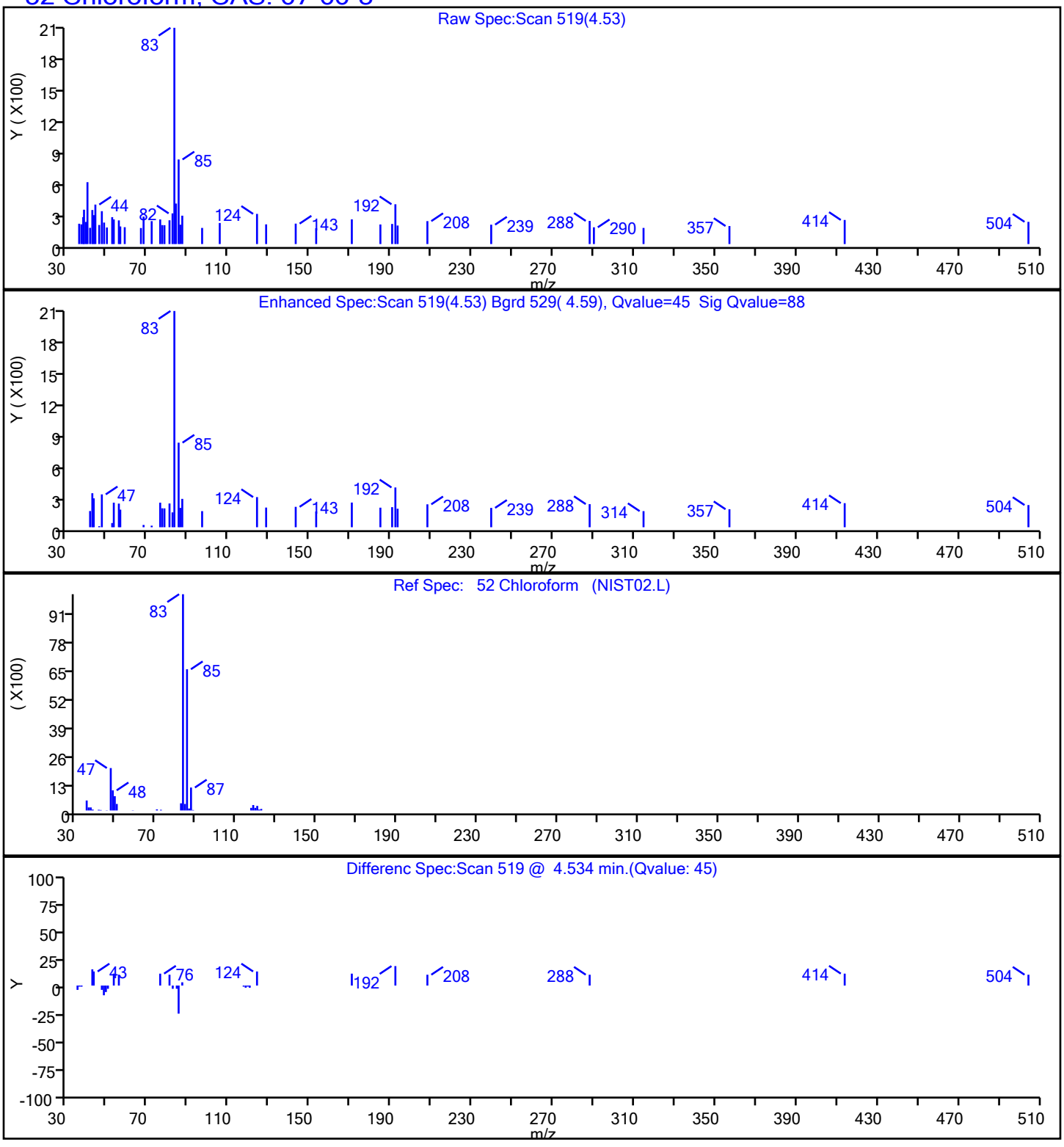
Report Date: 20-Mar-2025 13:08:04 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D

Injection Date:	19-Mar-2025 18:01:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-9	Lab Sample ID:	460-322205-9
Client ID:	RDI-MW-01D_20250314		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3



Manual Integration/User Assign Peak Report

Eurofins Edison

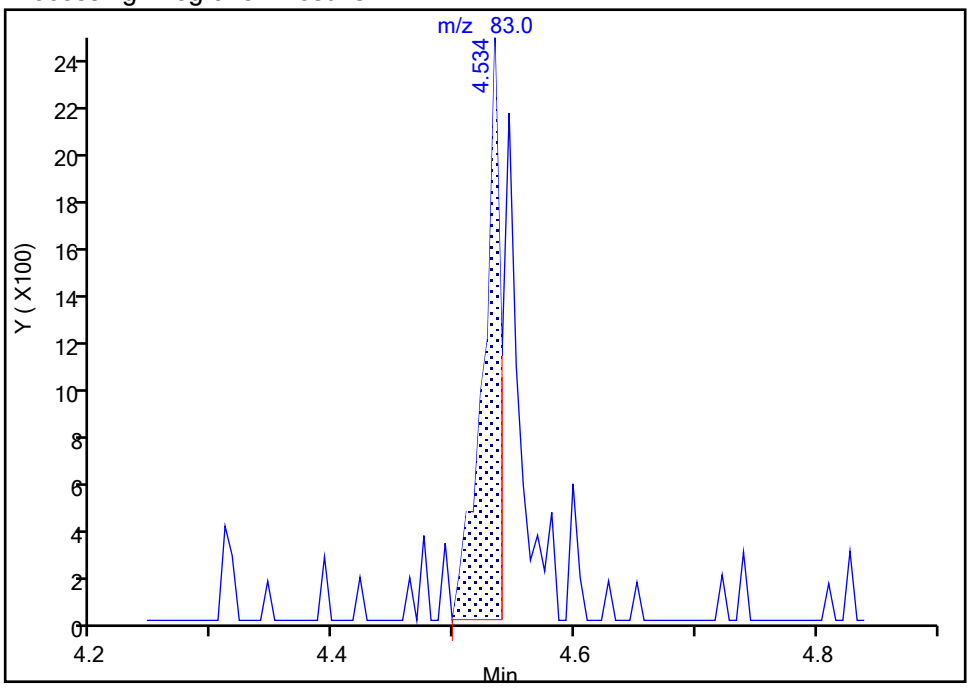
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D				
Injection Date:	19-Mar-2025 18:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-9	Lab Sample ID:	460-322205-9		
Client ID:	RDI-MW-01D_20250314				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

52 Chloroform, CAS: 67-66-3

Signal: 1

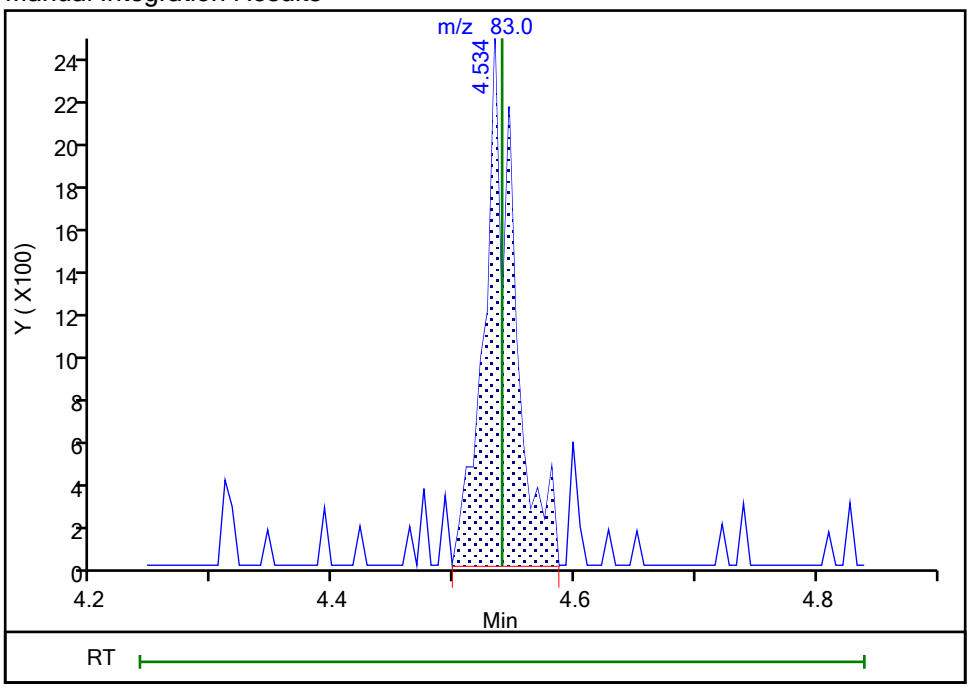
Processing Integration Results

RT: 4.53
Area: 2411
Amount: 0.429112
Amount Units: ug/l



Manual Integration Results

RT: 4.53
Area: 4193
Amount: 0.746274
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 13:07:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

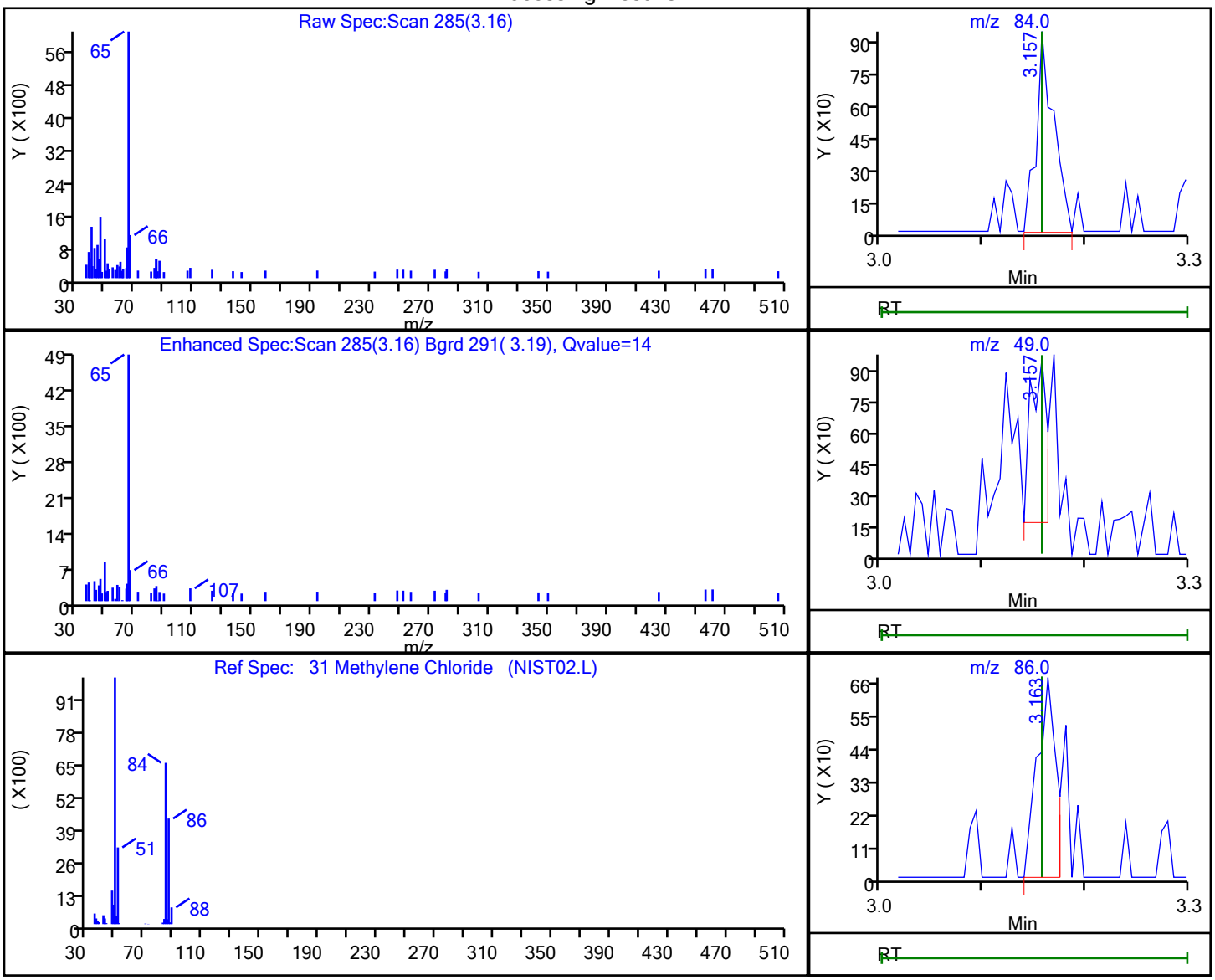
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23708.D				
Injection Date:	19-Mar-2025 18:01:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-9	Lab Sample ID:	460-322205-9		
Client ID:	RDI-MW-01D_20250314				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.16	84.00	1120	0.347961
3.16	49.00	878	
3.16	86.00	864	

Reviewer: C1JX, 19-Mar-2025 18:21:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-X_20250314 | Lab Sample ID: 460-322205-10

Matrix: Water | Lab File ID: A23709.D

Analysis Method: 8260D | Date Collected: 03/14/2025 14:10

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 18:25

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	0.51	J	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-128
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	109		77-132
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23709.D
Lims ID: 460-322205-B-10
Client ID: RDI-MW-X_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 18:25:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-10
Misc. Info.: 460-0188137-029
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:08:24 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 19:58:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	154964	1000.0	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	166127	250.0	
52 Chloroform	83	4.528	4.540	-0.012	51	2847	0.5072	M
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	170206	54.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	149213	52.1	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	555321	50.0	
* 73 1,4-Dioxane-d8	96	6.145	6.140	0.005	0	21038	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.234	7.228	0.006	98	587837	53.4	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	431849	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	92	165362	46.3	
* 121 1,4-Dichlorobenzene-d4	152	11.222	11.227	-0.005	95	230508	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

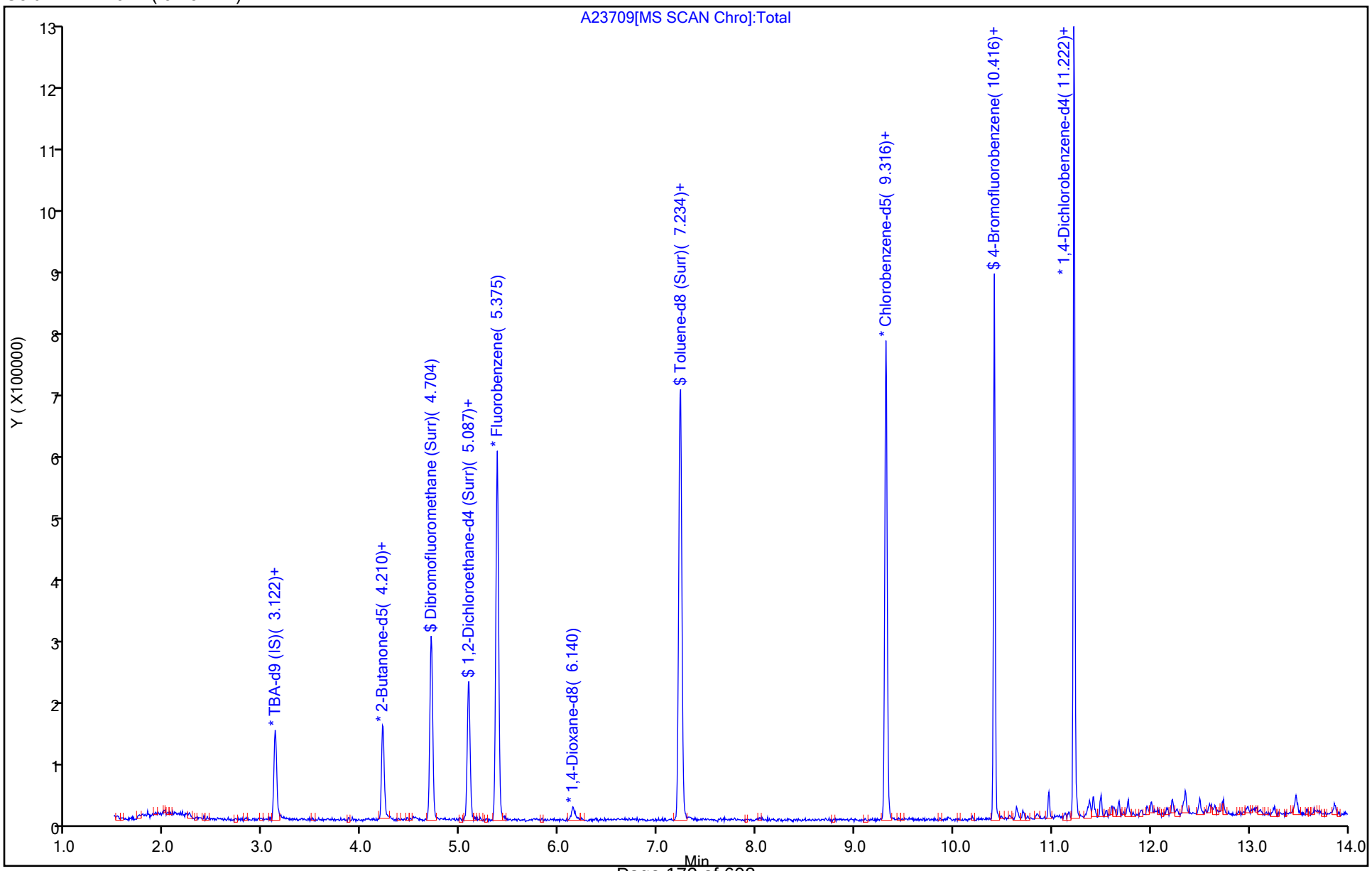
Report Date: 20-Mar-2025 13:08:25 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23709.D

Injection Date:	19-Mar-2025 18:25:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-10	Lab Sample ID:	460-322205-10	Worklist Smp#:	29
Client ID:	RDI-MW-X_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23709.D
Lims ID: 460-322205-B-10
Client ID: RDI-MW-X_20250314
Sample Type: Client
Inject. Date: 19-Mar-2025 18:25:30 ALS Bottle#: 28 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-10
Misc. Info.: 460-0188137-029
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 13:08:24 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 19:58:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	54.7	109.33
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.1	104.16
$ 83 Toluene-d8 (Surr)	50.0	53.4	106.75
$ 105 4-Bromofluorobenzene	50.0	46.3	92.53

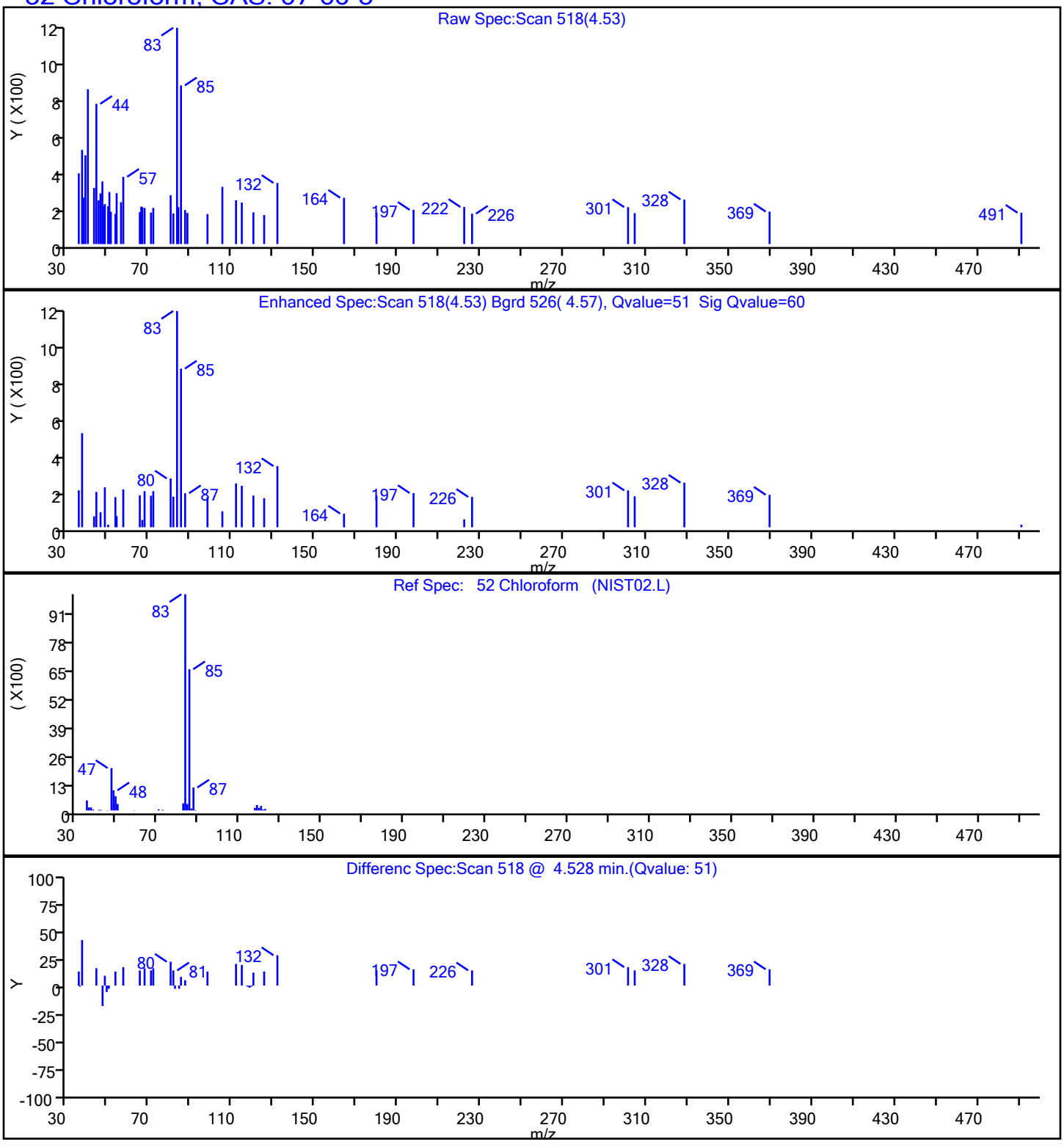
Report Date: 20-Mar-2025 13:08:25 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23709.D

Injection Date:	19-Mar-2025 18:25:30	Instrument ID:	CVOAMS1
Lims ID:	460-322205-B-10	Lab Sample ID:	460-322205-10
Client ID:	RDI-MW-X_20250314		
Operator ID:		ALS Bottle#:	28 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

52 Chloroform, CAS: 67-66-3



Manual Integration/User Assign Peak Report

Eurofins Edison

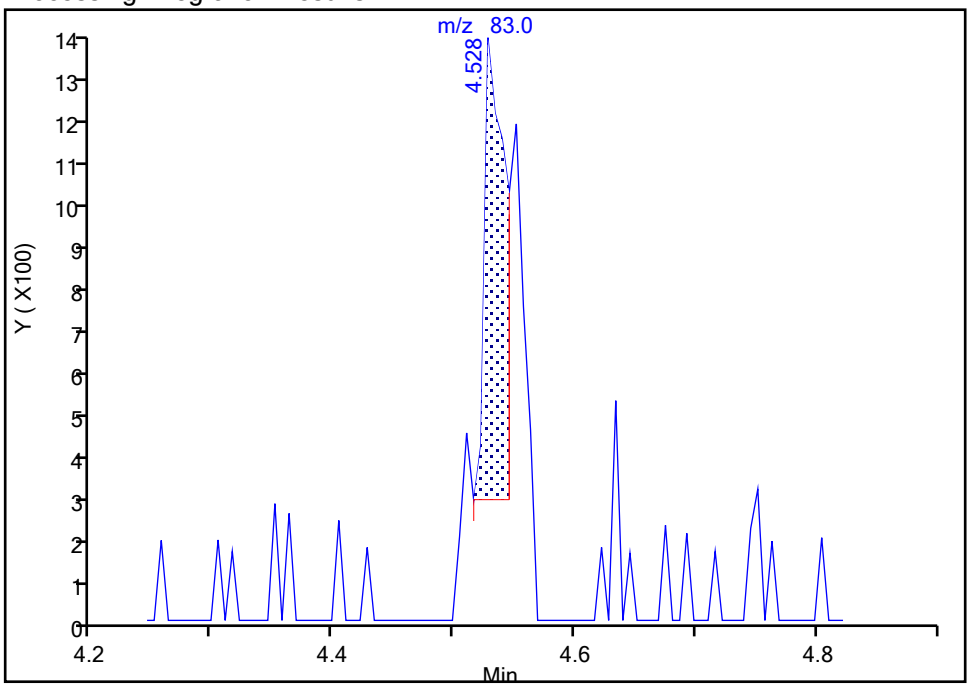
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23709.D				
Injection Date:	19-Mar-2025 18:25:30	Instrument ID:	CVOAMS1		
Lims ID:	460-322205-B-10	Lab Sample ID:	460-322205-10		
Client ID:	RDI-MW-X_20250314				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

52 Chloroform, CAS: 67-66-3

Signal: 1

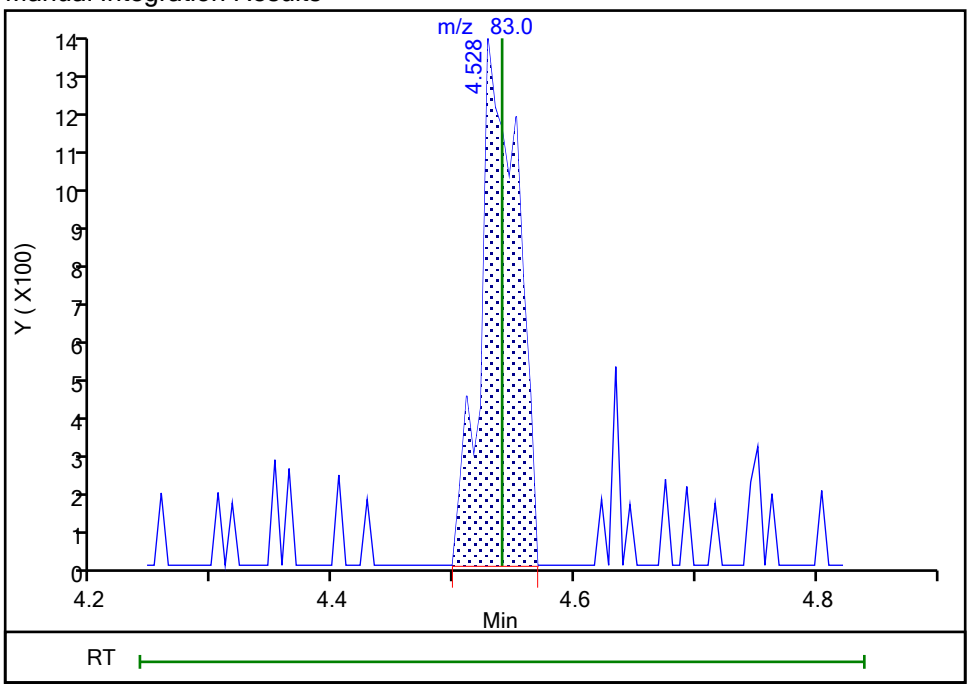
Processing Integration Results

RT: 4.53
Area: 1257
Amount: 0.223929
Amount Units: ug/l



Manual Integration Results

RT: 4.53
Area: 2847
Amount: 0.507180
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 13:08:15 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-TB_20250313 | Lab Sample ID: 460-322205-11

Matrix: Water | Lab File ID: A23698.D

Analysis Method: 8260D | Date Collected: 03/14/2025 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-128
460-00-4	4-Bromofluorobenzene	94		76-120
1868-53-7	Dibromofluoromethane (Surr)	107		77-132
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23698.D
Lims ID: 460-322205-B-11
Client ID: RDI-TB_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 13:57:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-11
Misc. Info.: 460-0188137-018
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:03:07 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:03:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	151552	1000.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	160244	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	95	175569	53.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.005	0	156311	51.9	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	583972	50.0	
* 73 1,4-Dioxane-d8	96	6.139	6.134	0.005	0	23701	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	626539	52.3	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	469734	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	92	183152	47.1	
* 121 1,4-Dichlorobenzene-d4	152	11.221	11.221	0.000	95	243404	50.0	

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

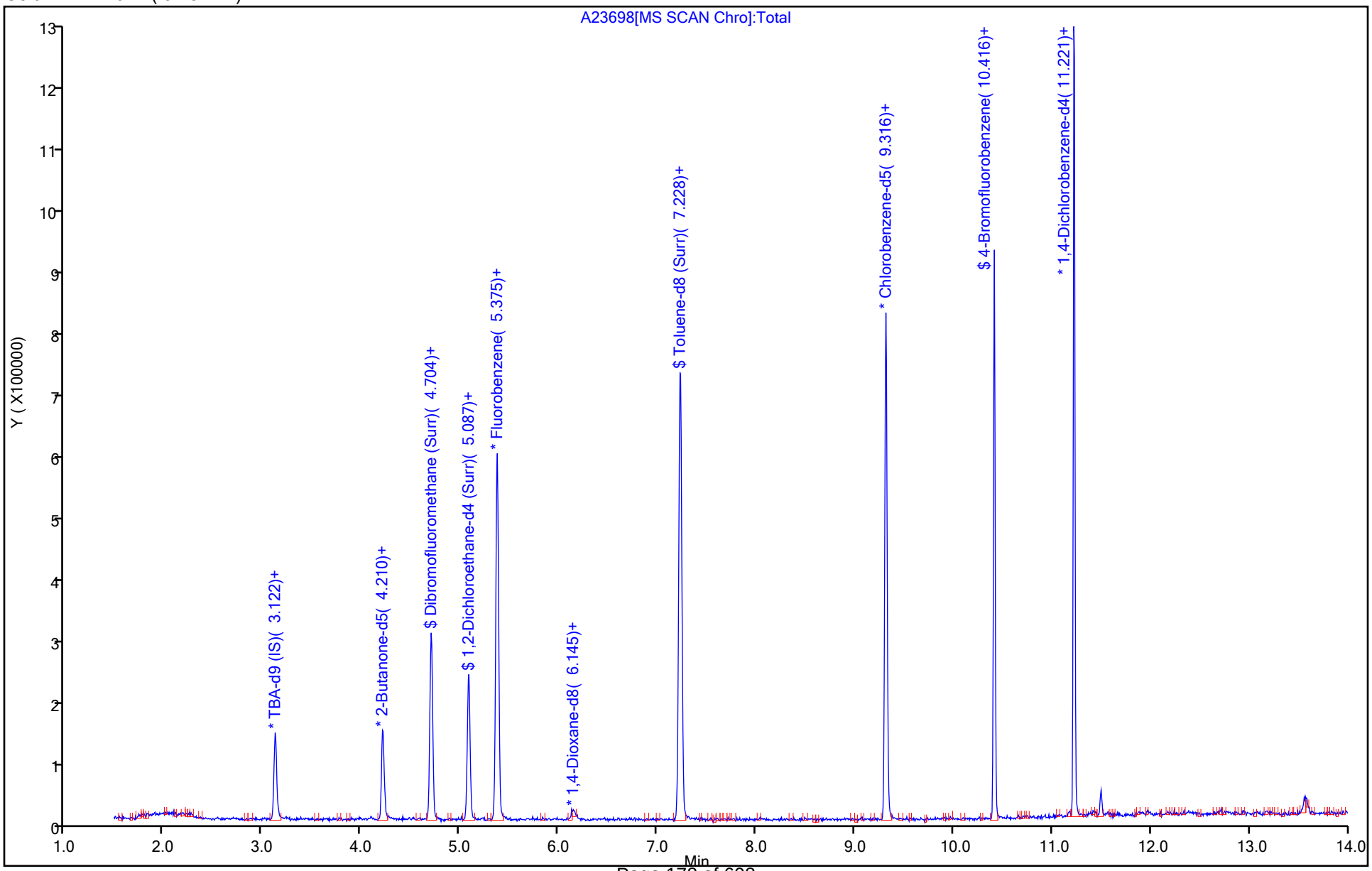
Report Date: 19-Mar-2025 18:03:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23698.D

Injection Date:	19-Mar-2025 13:57:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-11	Lab Sample ID:	460-322205-11	Worklist Smp#:	18
Client ID:	RDI-TB_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 18:03:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23698.D				
Lims ID:	460-322205-B-11				
Client ID:	RDI-TB_20250313				
Sample Type:	Client				
Inject. Date:	19-Mar-2025 13:57:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-322205-B-11				
Misc. Info.:	460-0188137-018				
Operator ID:		Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	19-Mar-2025 18:03:07	Calib Date:	01-Mar-2025 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1625				

First Level Reviewer: C1JX Date: 19-Mar-2025 18:03:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.6	107.24
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.9	103.76
$ 83 Toluene-d8 (Surr)	50.0	52.3	104.60
$ 105 4-Bromofluorobenzene	50.0	47.1	94.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-FB_20250313 | Lab Sample ID: 460-322205-12

Matrix: Water | Lab File ID: A23699.D

Analysis Method: 8260D | Date Collected: 03/13/2025 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 14:21

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-128
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23699.D
Lims ID: 460-322205-B-12
Client ID: RDI-FB_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 14:21:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-12
Misc. Info.: 460-0188137-019
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:03:07 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:04:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	156879	1000.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	169932	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.698	0.006	93	174360	52.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.001	0	155745	50.8	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	594577	50.0	
* 73 1,4-Dioxane-d8	96	6.145	6.134	0.011	0	24005	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	620337	51.6	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	470993	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	91	180480	46.3	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.221	0.006	95	248686	50.0	

Reagents:

8260ISNEW_00210 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00253 Amount Added: 1.00 Units: uL Run Reagent

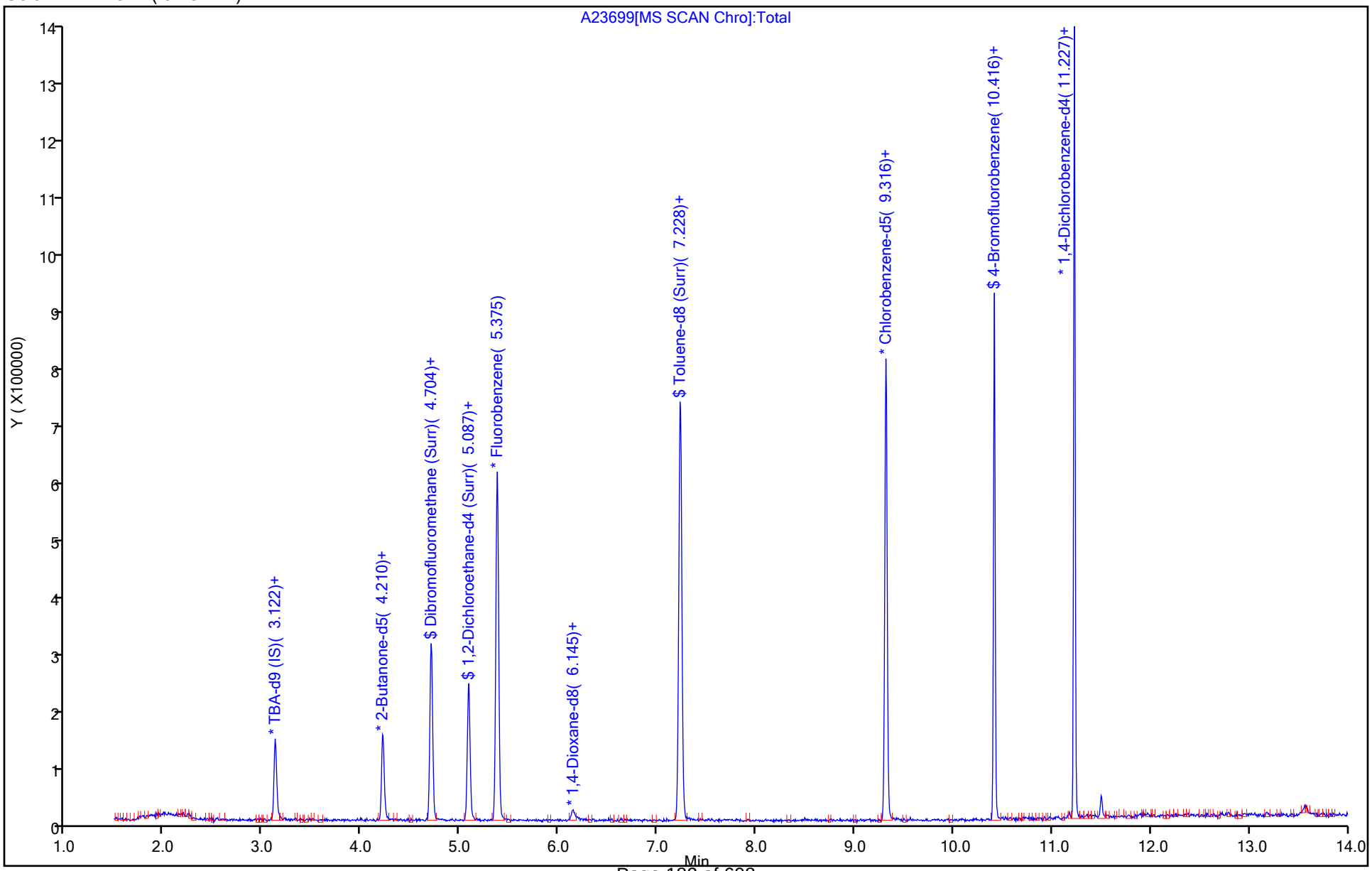
Report Date: 19-Mar-2025 18:04:03 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23699.D

Injection Date:	19-Mar-2025 14:21:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-B-12	Lab Sample ID:	460-322205-12	Worklist Smp#:	19
Client ID:	RDI-FB_20250313				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 18:04:03 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23699.D
Lims ID: 460-322205-B-12
Client ID: RDI-FB_20250313
Sample Type: Client
Inject. Date: 19-Mar-2025 14:21:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-B-12
Misc. Info.: 460-0188137-019
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 18:03:07 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: C1JX Date: 19-Mar-2025 18:04:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.3	104.61
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.54
$ 83 Toluene-d8 (Surr)	50.0	51.6	103.29
$ 105 4-Bromofluorobenzene	50.0	46.3	92.60

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-1023688/3	A22880.D
Level 2	STD8 460-1023688/40	A22879.D
Level 3	STD1 460-1023688/4	A22881.D
Level 4	STD5 460-1023688/5	A22882.D
Level 5	STD20 460-1023688/6	A22883.D
Level 6	STD50 460-1023688/7	A22884.D
Level 7	STD200 460-1023688/8	A22885.D
Level 8	STD500 460-1023688/9	A22886.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0806	+++++ 0.0927	0.0694 0.1012	0.0663	0.0763	Ave		0.0811				16.7		20.0			
Dichlorodifluoromethane	+++++ 0.3671	+++++ 0.4991	0.3075 0.5210	0.3269	0.3304	QuaF		0.4641	0.0001151		0.1000				0.9990		0.9900
Chlorodifluoromethane	+++++ 0.2939	+++++ 0.2996	0.3322 0.3127	0.3336	0.3053	Ave		0.3129				5.3		20.0			
Chloromethane	+++++ 0.2895	+++++ 0.3395	0.3154 0.3525	0.3021	0.2785	Ave		0.3129			0.1000	9.2		20.0			
Vinyl chloride	+++++ 0.3479	+++++ 0.3854	0.2942 0.4034	0.3128	0.3306	Ave		0.3457			0.1000	12.2		20.0			
Butadiene	0.2787 0.2719	+++++ 0.3099	0.2080 0.3078	0.2468	0.2541	Ave		0.2681				13.4		20.0			
Bromomethane	+++++ 0.2739	+++++ 0.3182	0.2321 +++++	0.2195	0.2136	Ave		0.2515			0.1000	17.5		20.0			
Chloroethane	+++++ 0.2510	+++++ 0.2574	0.2356 0.2886	0.2484	0.2265	Ave		0.2513			0.1000	8.5		20.0			
Dichlorofluoromethane	+++++ 0.4954	+++++ 0.5150	0.4648 0.6366	0.6660	0.4804	Ave		0.5430				15.8		20.0			
Trichlorofluoromethane	+++++ 0.4828	+++++ 0.5112	0.4180 0.5657	0.4918	0.4475	Ave		0.4862			0.1000	10.5		20.0			
Pentane	+++++ 4.1893	+++++ 3.4739	3.4162 3.7880	3.2672	3.2841	Ave		3.5698				10.0		20.0			
Ethanol	+++++ 0.0525	+++++ 0.0477	0.0715 0.0517	0.0385	0.0476	QuaF		0.0460	0.0000003						1.0000		0.9900
Ethyl ether	+++++ 0.1674	+++++ 0.1752	0.2268 0.1940	0.1997	0.1720	Ave		0.1892				11.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
2-Methyl-1,3-butadiene	+++++ 0.2050	+++++ 0.2020	0.1817 0.2198	0.1979	0.1897	Ave		0.1994				6.6		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2520	+++++ 0.2555	0.2803 0.2288	0.2532	0.2403	Ave		0.2517				6.9		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3726	+++++ 0.3653	0.4286 0.3948	0.3449	0.3617	Ave		0.3780				7.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2796	+++++ 0.2779	0.2026 0.2823	0.2567	0.2532	Ave		0.2587			0.1000	11.7		20.0			
Acrolein	+++++ 1.9020	+++++ 1.6609	2.4580 1.9092	1.7369	1.7104	Ave		1.8962				15.5		20.0			
1,1-Dichloroethene	+++++ 0.2558	+++++ 0.2670	0.2664 0.2749	0.2357	0.2426	Ave		0.2571			0.1000	5.9		20.0			
Acetone	+++++ 0.2658	+++++ 0.3070	0.2636 0.3036	0.2986	0.2290	Ave		0.2779			0.0010	11.0		20.0			
Isopropyl alcohol	+++++ 0.5521	+++++ 0.5279	1.1339 0.5912	0.7013	0.5700	Lin2	5.8347	0.5552							0.9970		0.9900
Iodomethane	+++++ 0.2974	+++++ 0.3573	0.1822 0.4095	0.1712	0.1947	QuaF		0.3146	0.0001903						1.0000		0.9900
Carbon disulfide	+++++ 0.8564	+++++ 0.8673	0.8375 0.9033	0.7642	0.7776	Ave		0.8344			0.1000	6.4		20.0			
3-Chloro-1-propene	+++++ 0.1566	+++++ 0.1610	0.1791 0.1698	0.1594	0.1457	Ave		0.1619				7.1		20.0			
Methyl acetate	+++++ 7.2983	+++++ 6.8850	12.690 7.7715	7.4615	7.4513	Lin2	11.010	7.0547			0.0500				0.9950		0.9900
Cyclopentene	+++++ 0.6911	+++++ 0.6504	0.6247 0.6770	0.5973	0.6157	Ave		0.6427				5.7		20.0			
Acetonitrile	+++++ 1.1937	+++++ 1.0512	1.3419 1.1972	1.0437	1.0689	Ave		1.1494				10.2		20.0			
Methylene Chloride	+++++ 0.2810	+++++ 0.2795	0.3379 0.2966	0.2793	0.2630	Ave		0.2895			0.1000	9.0		20.0			
2-Methyl-2-propanol	+++++ 1.0776	+++++ 1.0272	1.1658 1.0721	1.1524	1.0308	Ave		1.0876				5.4		20.0			
Methyl tert-butyl ether	+++++ 0.6318	+++++ 0.6574	0.6946 0.6896	0.6479	0.6206	Ave		0.6570			0.1000	4.6		20.0			
trans-1,2-Dichloroethene	+++++ 0.2915	+++++ 0.2876	0.3442 0.3080	0.2780	0.2690	Ave		0.2964			0.1000	9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
Acrylonitrile	0.0672 0.0529	+++++ 0.0572	0.0482 0.0647	0.0540	0.0540	Ave		0.0569				11.9		20.0			
Hexane	+++++ 0.1417	+++++ 0.1379	0.1399 0.1444	0.1142	0.1377	Ave		0.1360				8.0		20.0			
Isopropyl ether	+++++ 0.5370	+++++ 0.5335	0.6081 0.5828	0.5381	0.5171	Ave		0.5528				6.3		20.0			
1,1-Dichloroethane	+++++ 0.4236	+++++ 0.4281	0.4794 0.4618	0.4007	0.3880	Ave		0.4303			0.2000	8.1		20.0			
Vinyl acetate	+++++ 3.9479	+++++ 3.1203	3.5213 3.6868	3.8327	2.7162	Ave		3.4709				13.5		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2590	+++++ 0.2547	0.2256 0.2653	0.2421	0.2367	Ave		0.2472				6.1		20.0			
Tert-butyl ethyl ether	+++++ 0.6350	+++++ 0.6418	0.6285 0.7016	0.6796	0.6163	Ave		0.6505				5.1		20.0			
2,2-Dichloropropane	+++++ 0.1019	+++++ 0.1023	0.0980 0.1065	0.0944	0.0966	Ave		0.0999				4.4		20.0			
cis-1,2-Dichloroethene	+++++ 0.3104	+++++ 0.3216	0.3070 0.3649	0.3048	0.2878	Ave		0.3161			0.1000	8.3		20.0			
Ethyl acetate	+++++ 0.4016	+++++ 0.3879	0.4617 0.4029	0.4661	0.3574	Ave		0.4129				10.4		20.0			
2-Butanone (MEK)	+++++ 0.3900	+++++ 0.4226	0.3710 0.4352	0.4232	0.3675	Ave		0.4016			0.0100	7.3		20.0			
Methyl acrylate	+++++ 0.1355	+++++ 0.1382	0.2291 0.1486	0.1608	0.1372	Lin2	0.0905	0.1390							0.9980		0.9900
Propionitrile	+++++ 1.4882	+++++ 1.3308	1.2564 1.5015	1.4233	1.3179	Ave		1.3863				7.2		20.0			
Chlorobromomethane	+++++ 0.1548	+++++ 0.1673	0.1726 0.1884	0.1508	0.1435	Ave		0.1629				10.1		20.0			
Tetrahydrofuran	+++++ 0.9424	+++++ 0.9575	1.2134 1.0426	1.2358	0.9468	Ave		1.0564				12.8		20.0			
Methacrylonitrile	+++++ 0.0761	+++++ 0.0863	0.0741 0.1069	0.0797	0.0763	Ave		0.0832				14.9		20.0			
Chloroform	+++++ 0.4862	+++++ 0.5092	0.5229 0.5838	0.4676	0.4629	Ave		0.5054			0.2000	8.9		20.0			
Cyclohexane	+++++ 0.3394	+++++ 0.3402	0.3254 0.3555	0.3060	0.3194	Ave		0.3310			0.1000	5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
1,1,1-Trichloroethane	+++++ 0.4524	+++++ 0.4598	0.4790 0.4884	0.4193	0.4281	Ave		0.4545			0.1000	6.0		20.0			
Carbon tetrachloride	+++++ 0.4170	+++++ 0.4167	0.4369 0.4289	0.3766	0.3876	Ave		0.4106			0.1000	5.8		20.0			
1,1-Dichloropropene	+++++ 0.3568	+++++ 0.3535	0.3736 0.3654	0.3168	0.3282	Ave		0.3490				6.3		20.0			
Isobutyl alcohol	+++++ 0.3486	+++++ 0.3448	0.3446 0.3859	0.3934	0.3128	Ave		0.3550				8.4		20.0			
Isooctane	+++++ 0.5215	+++++ 0.4943	0.5091 0.4887	0.4703	0.4706	Ave		0.4924				4.2		20.0			
Benzene	+++++ 1.3177	1.5646 1.2203	1.4660 1.2195	1.2867	1.2504	Ave		1.3322			0.5000	10.0		20.0			
Isopropyl acetate	+++++ 0.0785	+++++ 0.0730	0.3187 0.0818	0.1342	0.0868	Lin2	0.2431	0.0771							0.9950		0.9900
Tert-amyl methyl ether	+++++ 0.2212	+++++ 0.2208	0.2390 0.2452	0.2307	0.2128	Ave		0.2283				5.4		20.0			
1,2-Dichloroethane	+++++ 0.2903	0.4462 0.3006	0.3039 0.3257	0.3130	0.2894	Ave		0.3241			0.1000	17.1		20.0			
n-Heptane	+++++ 0.1555	+++++ 0.1569	0.1381 0.1554	0.1499	0.1471	Ave		0.1505				4.8		20.0			
n-Butanol	+++++ 0.2760	+++++ 0.2586	0.4388 0.3000	0.2896	0.2619	Lin2	4.1769	0.2686							0.9950		0.9900
Trichloroethene	+++++ 0.2855	0.4877 0.2943	0.2943 0.3153	0.2957	0.2815	Lin2	0.0388	0.2872			0.2000				0.9960		0.9900
Ethyl acrylate	+++++ 0.0380	+++++ 0.0392	0.0453 0.0432	0.0442	0.0405	Ave		0.0417				7.0		20.0			
Methylcyclohexane	+++++ 0.4179	+++++ 0.4259	0.3541 0.4404	0.3656	0.3887	Ave		0.3987			0.1000	8.7		20.0			
1,2-Dichloropropane	+++++ 0.2235	0.1845 0.2247	0.2615 0.2474	0.2333	0.2174	Ave		0.2274			0.1000	10.7		20.0			
Methyl methacrylate	+++++ 0.1302	+++++ 0.1386	0.1712 0.1550	0.1432	0.1355	Ave		0.1456				10.4		20.0			
1,4-Dioxane	+++++ 1.0552	+++++ 0.9180	2.6606 +++++	1.1264	1.0138	Lin2	34.409	0.9161							0.9900		0.9900
n-Propyl acetate	+++++ 0.1802	+++++ 0.1989	0.2510 0.2238	0.2055	0.1862	Ave		0.2076				12.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
Dibromomethane	+++++ 0.1667	+++++ 0.1768	0.1666 0.1950	0.1825	0.1698	Ave		0.1762				6.3		20.0			
Dichlorobromomethane	+++++ 0.3525	0.6973 0.3635	0.3659 0.3947	0.3327	0.3282	Lin2	0.0687	0.3433			0.2000				0.9900		0.9900
2-Chloroethyl vinyl ether	+++++ +++++	+++++ 0.0101	+++++ 0.0220	+++++	+++++	Ave		0.0161				52.3	*	20.0			
2-Nitropropane	+++++ 0.0383	+++++ 0.0416	0.0578 0.0489	0.0541	0.0450	Ave		0.0476				15.7		20.0			
Epichlorohydrin	0.2841 0.2489	+++++ 0.2557	0.2459 0.2649	0.2466	0.2380	Ave		0.2549				6.0		20.0			
cis-1,3-Dichloropropene	+++++ 0.5393	0.6550 0.5270	0.4981 0.5370	0.3273	0.5061	Ave		0.5128			0.2000	18.9		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4033	+++++ 2.4111	2.4873 2.5118	2.4541	2.2699	Ave		2.4229			0.0500	3.5		20.0			
Toluene	+++++ 1.4972	+++++ 1.4421	1.7225 1.4767	1.5331	1.3984	Ave		1.5117			0.4000	7.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.4679	0.4751 0.4676	0.4802 0.4889	0.4717	0.4374	Ave		0.4698			0.1000	3.4		20.0			
Ethyl methacrylate	+++++ 0.2577	+++++ 0.2779	0.3173 0.3109	0.2682	0.2525	Ave		0.2807				9.7		20.0			
1,1,2-Trichloroethane	+++++ 0.2343	0.2527 0.2358	0.2698 0.2367	0.2460	0.2325	Ave		0.2440			0.1000	5.5		20.0			
Tetrachloroethene	+++++ 0.3995	0.4481 0.3750	0.3909 0.3794	0.3752	0.3661	Ave		0.3906			0.2000	7.1		20.0			
1,3-Dichloropropane	+++++ 0.4544	+++++ 0.4446	0.4787 0.4428	0.4628	0.4491	Ave		0.4554				3.0		20.0			
2-Hexanone	+++++ 1.0333	+++++ 1.0980	0.7243 1.0891	0.7128	1.0084	Ave		0.9443			0.0500	18.9		20.0			
n-Butyl acetate	+++++ 0.0632	+++++ 0.0635	0.0695 0.0628	0.0727	0.0645	Ave		0.0660				6.2		20.0			
Chlorodibromomethane	+++++ 0.3642	0.3597 0.3702	0.3501 0.3766	0.3898	0.3438	Ave		0.3649			0.1000	4.3		20.0			
Ethylene Dibromide	+++++ 0.3107	+++++ 0.3025	0.2893 0.3030	0.3147	0.3082	Ave		0.3047			0.1000	2.9		20.0			
Chlorobenzene	+++++ 1.0238	+++++ 1.0087	0.9483 1.0565	0.9817	0.9736	Ave		0.9988			0.5000	3.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
Ethylbenzene	+++++ 0.5491	+++++ 0.5475	0.5816 0.6125	0.5361	0.5075	Ave		0.5557			0.1000	6.6		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3740	+++++ 0.3893	0.3635 0.4230	0.3732	0.3480	Ave		0.3785				6.8		20.0			
m-Xylene & p-Xylene	+++++ 0.6638	+++++ 0.6588	0.7008 0.6962	0.6649	0.6357	Ave		0.6700			0.1000	3.7		20.0			
n-Butyl acrylate	+++++ 0.2025	+++++ 0.2154	0.2742 0.2441	0.2184	0.1974	Ave		0.2253				12.9		20.0			
o-Xylene	+++++ 0.6576	+++++ 0.6760	0.5714 0.7730	0.6318	0.6125	Ave		0.6537			0.3000	10.5		20.0			
Styrene	+++++ 1.1359	+++++ 1.1413	1.0613 1.2521	1.0539	1.0407	Ave		1.1142			0.3000	7.2		20.0			
Amyl acetate (mixed isomers)	+++++ 0.5794	+++++ 0.5908	0.6975 0.6790	0.6763	0.5889	Ave		0.6353				8.5		20.0			
Bromoform	+++++ 0.2251	+++++ 0.2444	0.2412 0.2636	0.2126	0.2136	Ave		0.2334			0.1000	8.5		20.0			
Isopropylbenzene	+++++ 1.5677	+++++ 1.5312	1.6093 1.6456	1.4208	1.4199	Ave		1.5324			0.1000	6.2		20.0			
Bromobenzene	+++++ 0.7909	+++++ 0.7808	0.7260 0.9317	0.7730	0.7369	Ave		0.7899				9.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5651	0.6418 0.5794	0.6343 0.6738	0.6384	0.5511	Ave		0.6120			0.3000	7.6		20.0			
N-Propylbenzene	+++++ 3.5602	+++++ 3.4590	3.7940 3.9324	3.3466	3.2624	Ave		3.5591				7.3		20.0			
1,2,3-Trichloropropane	+++++ 0.1887	+++++ 0.1860	0.3030 0.2157	0.2370	0.1833	Lin2	0.1104	0.1955							0.9930		0.9900
trans-1,4-Dichloro-2-butene	+++++ 0.1255	+++++ 0.1345	0.1826 0.1594	0.1278	0.1219	Ave		0.1419				16.9		20.0			
2-Chlorotoluene	+++++ 2.4176	+++++ 2.4481	2.4610 3.0925	2.2538	2.1741	Ave		2.4745				13.1		20.0			
4-Ethyltoluene	+++++ 3.1586	+++++ 3.0552	3.1104 3.6562	2.9610	2.8125	Ave		3.1256				9.2		20.0			
1,3,5-Trimethylbenzene	+++++ 2.5495	+++++ 2.4679	2.5668 2.8430	2.4177	2.3480	Ave		2.5322				6.8		20.0			
4-Chlorotoluene	+++++ 2.1226	+++++ 2.0636	2.3542 2.3542	2.1019	1.9646	Ave		2.1602				7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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	+++++ 0.8249	+++++ 0.8257	0.7838 0.9115	0.8367	0.8005	Ave		0.8305				5.3		20.0			
tert-Butylbenzene	+++++ 2.2511	+++++ 2.2379	2.2313 2.5575	2.1401	2.0430	Ave		2.2435				7.7		20.0			
1,2,4-Trimethylbenzene	+++++ 2.6489	+++++ 2.6658	2.8798 3.0191	2.5897	2.4187	Ave		2.7037				7.9		20.0			
sec-Butylbenzene	+++++ 0.6812	+++++ 0.6836	0.6821 0.7714	0.6697	0.6173	Ave		0.6842				7.3		20.0			
4-Isopropyltoluene	+++++ 2.9547	+++++ 3.1808	3.0270 3.5486	2.7410	2.6674	Ave		3.0199				10.6		20.0			
1,3-Dichlorobenzene	+++++ 1.5573	+++++ 1.6585	1.5436 1.9252	1.4706	1.4341	Ave		1.5982			0.6000	11.1		20.0			
1,4-Dichlorobenzene	+++++ 1.5790	+++++ 1.6559	1.6292 1.9270	1.5813	1.4370	Ave		1.6349			0.5000	9.9		20.0			
1,2,3-Trimethylbenzene	+++++ 2.7375	+++++ 2.8187	2.6104 3.2765	2.9770	2.5336	Ave		2.8256				9.6		20.0			
Benzyl chloride	+++++ 1.2013	+++++ 1.2273	1.4027 1.3059	1.2520	1.2082	Ave		1.2662				6.1		20.0			
Indan	+++++ 2.5706	+++++ 2.4753	2.6545 2.7277	2.4146	2.3731	Ave		2.5360				5.5		20.0			
p-Diethylbenzene	+++++ 1.7947	+++++ 1.8024	1.8542 2.0315	1.7228	1.6099	Ave		1.8026				7.8		20.0			
n-Butylbenzene	+++++ 1.3708	+++++ 1.4220	1.3603 1.5529	1.1752	1.2490	Ave		1.3550				9.8		20.0			
1,2-Dichlorobenzene	+++++ 1.4293	+++++ 1.4421	1.4742 1.5957	1.4385	1.3115	Ave		1.4486			0.4000	6.3		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.6583	+++++ 2.6296	2.5466 3.0078	2.6158	2.4749	Ave		2.6555				7.0		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1249	+++++ 0.1331	0.0902 0.1442	0.1412	0.1316	Ave		0.1275			0.0500	15.3		20.0			
1,3,5-Trichlorobenzene	+++++ 1.0599	+++++ 1.0723	1.1416 1.2062	1.0824	1.0017	Ave		1.0940				6.5		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9341	+++++ 0.9192	0.9244 1.0564	0.9170	0.8932	Ave		0.9407			0.2000	6.2		20.0			
Hexachlorobutadiene	+++++ 0.3492	+++++ 0.3471	0.3254 0.3621	0.3329	0.3314	Ave		0.3414				4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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								
Naphthalene	+++++ 1.7684	+++++ 1.7708	2.2579 1.9875	1.9755	1.8418	Ave		1.9336				9.6		20.0			
1,2,3-Trichlorobenzene	+++++ 0.7834	+++++ 0.7704	0.7626 0.8679	0.7927	0.7996	Ave		0.7961				4.7		20.0			
Dibromofluoromethane (Surr)	0.2739 0.2829	0.2714 0.2933	0.2686 0.2984	0.2775	0.2767	Ave		0.2803				3.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2506 0.2501	0.2488 0.2701	0.2437 0.2912	0.2545	0.2547	Ave		0.2580				6.0		20.0			
Toluene-d8 (Surr)	1.3360 1.2875	1.3058 1.2187	1.3285 1.1537	1.2914	1.2799	Ave		1.2752				4.8		20.0			
4-Bromofluorobenzene	0.4192 0.4198	0.4233 0.4054	0.4138 0.3915	0.4191	0.4183	Ave		0.4138				2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-1023688/3	A22880.D
Level 2	STD8 460-1023688/40	A22879.D
Level 3	STD1 460-1023688/4	A22881.D
Level 4	STD5 460-1023688/5	A22882.D
Level 5	STD20 460-1023688/6	A22883.D
Level 6	STD50 460-1023688/7	A22884.D
Level 7	STD200 460-1023688/8	A22885.D
Level 8	STD500 460-1023688/9	A22886.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
Chlorotrifluoroethene	FB	Ave	+++++ 41770	+++++ 191327	719 537146	3334	15579	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Dichlorodifluoromethane	FB	QuaF	+++++ 190348	+++++ 1030493	3185 2765520	16429	67475	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Chlorodifluoromethane	FB	Ave	+++++ 152423	+++++ 618549	3440 1660188	16761	62342	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 150145	+++++ 700937	3267 1871367	15178	56866	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 180377	+++++ 795754	3047 2141282	15718	67511	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	713 140983	+++++ 639809	2154 1633702	12401	51886	0.250 50.0	+++++ 200	1.00 500	5.00	20.0
Bromomethane	FB	Ave	+++++ 142026	+++++ 657113	2404 +++++	11030	43631	+++++ 50.0	+++++ 200	1.00 +++++	5.00	20.0
Chloroethane	FB	Ave	+++++ 130158	+++++ 531589	2440 1531977	12483	46245	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 256894	+++++ 1063416	4814 3379458	33464	98110	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Trichlorofluoromethane	FB	Ave	+++++ 250344	+++++ 1055460	4329 3003043	24713	91380	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Pentane	TBAd9	Ave	+++++ 55700	+++++ 216745	943 603325	4888	19783	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
Ethanol	TBAd9	QuaF	+++++ 13971	+++++ 59504	395 164574	1153	5737	+++++ 2000	+++++ 8000	40.0 20000	200	800
Ethyl ether	FB	Ave	+++++ 86800	+++++ 361802	2349 1029621	10034	35120	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 106306	+++++ 417149	1882 1166641	9945	38739	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 130699	+++++ 527533	2903 1214756	12722	49065	+++++ 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.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

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
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 193190	+++++ 754267	4439 2095961	17330	73875	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 144962	+++++ 573758	2098 1498728	12899	51702	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Acrolein	TBAd9	Ave	+++++ 25289	+++++ 51814	1357 121629	5197	10303	+++++ 100	+++++ 200	4.00 400	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 132659	+++++ 551270	2759 1459042	11845	49544	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Acetone	BUT	Ave	+++++ 33887	+++++ 174151	675 493436	4025	12672	+++++ 250	+++++ 1000	5.00 2500	25.0	100
Isopropyl alcohol	TBAd9	Lin2	+++++ 36702	+++++ 164698	1565 470779	5246	17169	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Iodomethane	FB	QuaF	+++++ 154240	+++++ 737809	1887 2173917	8602	39766	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Carbon disulfide	FB	Ave	+++++ 444083	+++++ 1790893	8674 4794905	38400	158808	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
3-Chloro-1-propene	FB	Ave	+++++ 81198	+++++ 332436	1855 901385	8012	29750	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Methyl acetate	TBAd9	Lin2	+++++ 97038	+++++ 417095	3503 1237780	11163	44886	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
Cyclopentene	FB	Ave	+++++ 358383	+++++ 1342909	6470 3593646	30012	125730	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Acetonitrile	TBAd9	Ave	+++++ 79357	+++++ 327919	1852 953367	7807	32194	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 145702	+++++ 577175	3499 1574595	14036	53699	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 71635	+++++ 320434	1609 853788	8620	31047	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Methyl tert-butyl ether	FB	Ave	+++++ 327627	+++++ 1357449	7194 3660709	32556	126734	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 151142	+++++ 593870	3565 1634781	13970	54933	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	1376 274441	+++++ 1181987	4991 3434350	27145	110303	2.00 500	+++++ 2000	10.0 5000	50.0	200
Hexane	FB	Ave	+++++ 73464	+++++ 284797	1449 766373	5741	28111	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Isopropyl ether	FB	Ave	+++++ 278482	+++++ 1101689	6298 3093731	27038	105602	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	+++++ 219653	+++++ 883923	4965 2451236	20136	79233	+++++ 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.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

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
Vinyl acetate	TBAd9	Ave	+++++ 52491	+++++ 194681	972 587198	5734	16362	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 134295	+++++ 525822	2336 1408303	12166	48344	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Tert-butyl ethyl ether	FB	Ave	+++++ 329258	+++++ 1325158	6509 3724540	34151	125867	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 52818	+++++ 211139	1015 565170	4745	19737	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 160955	+++++ 664125	3179 1937253	15314	58769	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Ethyl acetate	BUT	Ave	+++++ 20482	+++++ 88013	473 261887	2513	7911	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
2-Butanone (MEK)	BUT	Ave	+++++ 49733	+++++ 239696	950 707174	5704	20335	+++++ 250	+++++ 1000	5.00 2500	25.0	100
Methyl acrylate	FB	Lin2	+++++ 70247	+++++ 285456	2373 788593	8081	28013	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Propionitrile	TBAd9	Ave	+++++ 98938	+++++ 415148	1734 1195700	10647	39694	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Chlorobromomethane	FB	Ave	+++++ 80261	+++++ 345545	1788 1000087	7577	29310	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Tetrahydrofuran	BUT	Ave	+++++ 48068	+++++ 217252	1243 677693	6663	20958	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
Methacrylonitrile	FB	Ave	+++++ 394356	+++++ 1782682	7671 5674830	40074	155915	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Chloroform	FB	Ave	+++++ 252105	+++++ 1051391	5415 3099107	23496	94533	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	+++++ 176010	+++++ 702442	3370 1886922	15374	65225	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 234597	+++++ 949428	4961 2592710	21070	87420	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 216259	+++++ 860435	4525 2276952	18922	79161	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	+++++ 185010	+++++ 729873	3869 1939550	15919	67023	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd9	Ave	+++++ 57936	+++++ 268890	1189 768290	7356	23555	+++++ 1250	+++++ 5000	25.0 12500	125	500
Isooctane	FB	Ave	+++++ 270425	+++++ 1020625	5273 2594181	23635	96105	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Benzene	CBNZd5	Ave	+++++ 529145	2427 2101618	11183 5875259	49698	195433	+++++ 50.0	0.200 200	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.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

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
Isopropyl acetate	FB	Lin2	+++++ 40712	+++++ 150663	3301 434300	6745	17727	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Tert-amyl methyl ether	FB	Ave	+++++ 114689	+++++ 455834	2475 1301474	11595	43458	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 150519	924 620672	3147 1728850	15726	59104	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
n-Heptane	FB	Ave	+++++ 80639	+++++ 323903	1430 824944	7530	30031	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
n-Butanol	TBAd9	Lin2	+++++ 45864	+++++ 201656	1514 597221	5416	19720	+++++ 1250	+++++ 5000	25.0 12500	125	500
Trichloroethene	FB	Lin2	+++++ 148064	1010 607704	3048 1673700	14857	57488	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	Ave	+++++ 19687	+++++ 80908	469 229108	2219	8262	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	+++++ 216682	+++++ 879342	3667 2337575	18369	79384	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	+++++ 115893	382 463914	2708 1313109	11723	44392	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 134988	+++++ 572378	3546 1645167	14394	55331	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Lin2	+++++ 22156	+++++ 98350	1089 +++++	2400	9954	+++++ 1000	+++++ 4000	20.0 +++++	100	400
n-Propyl acetate	FB	Ave	+++++ 93428	+++++ 410691	2599 1188085	10326	38016	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Dibromomethane	FB	Ave	+++++ 86429	+++++ 365030	1725 1035248	9173	34686	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Lin2	+++++ 182776	1444 750663	3789 2095342	16716	67031	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ +++++	+++++ 20963	+++++ 117116	+++++	+++++	+++++ +++++	+++++ 200	+++++ 501	+++++	+++++
2-Nitropropane	FB	Ave	+++++ 39700	+++++ 171907	1198 519589	5437	18366	+++++ 100	+++++ 400	2.00 1000	10.0	40.0
Epichlorohydrin	BUT	Ave	818 126948	+++++ 580211	2519 1722094	13293	52691	5.00 1000	+++++ 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 216566	1016 907574	3800 2587023	12641	79094	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 306456	+++++ 1367631	6370 4081855	33078	125610	+++++ 250	+++++ 1000	5.00 2500	25.0	100
Toluene	CBNZd5	Ave	+++++	+++++	13140	59215	218564	+++++	+++++	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.: 460-322205-1 Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 Calibration End Date: 03/01/2025 18:32 Calibration ID: 100349

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
			601248	2483625	7114628			50.0	200	500		
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 187895	737 805237	3663 2355261	18217	68358	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
Ethyl methacrylate	FB	Ave	+++++ 133638	+++++ 573851	3286 1650284	13476	51555	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 94102	392 406167	2058 1140355	9500	36334	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZd5	Ave	+++++ 160437	695 645816	2982 1827707	14490	57224	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 182485	+++++ 765647	3652 2133308	17876	70189	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 131762	+++++ 622804	1855 1769798	9608	55802	+++++ 250	+++++ 1000	5.00 2500	25.0	100
n-Butyl acetate	CBNZd5	Ave	+++++ 25369	+++++ 109343	530 302670	2806	10085	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Chlorodibromomethane	CBNZd5	Ave	+++++ 146241	558 637533	2671 1814571	15054	53732	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZd5	Ave	+++++ 124772	+++++ 521037	2207 1459843	12153	48167	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZd5	Ave	+++++ 411134	+++++ 1737182	7234 5089950	37917	152167	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZd5	Ave	+++++ 220496	+++++ 942999	4437 2951129	20705	79322	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 150182	+++++ 670503	2773 2038089	14413	54389	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZd5	Ave	+++++ 266578	+++++ 1134543	5346 3354078	25679	99358	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZd5	Ave	+++++ 81300	+++++ 370901	2092 1175979	8436	30853	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
o-Xylene	CBNZd5	Ave	+++++	+++++	4359	24404	95732	+++++	+++++	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.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

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
			264090	1164303	3724173			50.0	200	500		
Styrene	CBNZd5	Ave	+++++ 456136	+++++ 1965621	8096 6032518	40704	162654	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd4	Ave	+++++ 129956	+++++ 579876	2861 1736881	14226	51020	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Bromoform	CBNZd5	Ave	+++++ 90401	+++++ 420959	1840 1269987	8210	33385	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZd5	Ave	+++++ 629545	+++++ 2637064	12276 7928487	54876	221919	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Bromobenzene	DCBd4	Ave	+++++ 177402	+++++ 766302	2978 2383344	16259	63846	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	+++++ 126747	538 568663	2602 1723770	13427	47745	+++++ 50.0	0.200 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd4	Ave	+++++ 798520	+++++ 3394886	15563 10059659	70392	282640	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd4	Lin2	+++++ 42325	+++++ 182527	1243 551725	4986	15884	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 28144	+++++ 131985	749 407672	2688	10562	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd4	Ave	+++++ 542236	+++++ 2402756	10095 7911041	47406	188361	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd4	Ave	+++++ 708443	+++++ 2998567	12759 9352947	62282	243664	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd4	Ave	+++++ 571828	+++++ 2422161	10529 7272792	50854	203425	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd4	Ave	+++++ 476068	+++++ 2025381	9657 6022368	44211	170203	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd4	Ave	+++++ 185008	+++++ 810411	3215 2331655	17599	69352	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd4	Ave	+++++ 504901	+++++ 2196458	9153 6542450	45015	176996	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd4	Ave	+++++ 594115	+++++ 2616383	11813 7723345	54471	209545	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd4	Ave	+++++ 152793	+++++ 670967	2798 1973320	14087	53477	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
4-Isopropyltoluene	DCBd4	Ave	+++++ 662720	+++++ 3121847	12417 9077789	57654	231091	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 349278	+++++ 1627768	6332 4925044	30932	124247	+++++ 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.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

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
1,4-Dichlorobenzene	DCBd4	Ave	+++++ 354165	+++++ 1625205	6683 4929650	33260	124496	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd4	Ave	+++++ 614000	+++++ 2766495	10708 8381667	62618	219500	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd4	Ave	+++++ 269438	+++++ 1204516	5754 3340628	26335	104677	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Indan	DCBd4	Ave	+++++ 576560	+++++ 2429422	10889 6977816	50788	205594	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd4	Ave	+++++ 402527	+++++ 1769022	7606 5196821	36236	139473	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd4	Ave	+++++ 307460	+++++ 1395600	5580 3972507	24719	108211	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 320573	+++++ 1415408	6047 4082126	30257	113626	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd4	Ave	+++++ 596230	+++++ 2580831	10446 7694293	55020	214414	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 28015	+++++ 130658	370 368809	2969	11398	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,3,5-Trichlorobenzene	DCBd4	Ave	+++++ 237723	+++++ 1052470	4683 3085697	22766	86787	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++ 209519	+++++ 902178	3792 2702538	19288	77386	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd4	Ave	+++++ 78324	+++++ 340707	1335 926297	7003	28710	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Naphthalene	DCBd4	Ave	+++++ 396629	+++++ 1737955	9262 5084263	41552	159565	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++ 175712	+++++ 756110	3128 2220188	16673	69275	+++++ 50.0	+++++ 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	140132 146690	140523 151402	139101 158395	139463	141244	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	128208 129680	128833 139436	126192 154575	127901	130040	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZd5	Ave	505991 517041	506360 524735	506726 555826	498798	500093	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZd5	Ave	158785 168583	164163 174561	157820 188615	161858	163461	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

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

Lab Name: Eurofins Edison | Job No.: 460-322205-1 | Analy Batch No.: 1023688

SDG No.:

Instrument ID: CVOAMS1 | GC Column: Rtx-624 | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2025 15:41 | Calibration End Date: 03/01/2025 18:32 | Calibration ID: 100349

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-1023688/3	A22880.D
Level 2	STD8 460-1023688/40	A22879.D
Level 3	STD1 460-1023688/4	A22881.D
Level 4	STD5 460-1023688/5	A22882.D
Level 5	STD20 460-1023688/6	A22883.D
Level 6	STD50 460-1023688/7	A22884.D
Level 7	STD200 460-1023688/8	A22885.D
Level 8	STD500 460-1023688/9	A22886.D

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
Isopropyl alcohol	+++++	+++++	-0.9						30			
Methyl acetate	+++++	+++++	1.9						30			
Methyl acrylate	+++++	+++++	-0.2						30			
Isopropyl acetate	+++++	+++++	-1.9						30			
n-Butanol	+++++	+++++	1.2						30			
Trichloroethene	+++++	2.2						30				
1,4-Dioxane	+++++	+++++ +++++	2.6						30			
Dichlorobromomethane	+++++	3.0						30				
1,2,3-Trichloropropane	+++++	+++++	-1.4						30			

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Mar-2025 16:06:30 ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0187452-003
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:52:10 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:32:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
172 Butadiene	39	1.828	1.828	0.000	53	713	0.2500	0.2598	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	159179	1000.0	1000.0	
35 Acrylonitrile	53	3.416	3.410	0.006	79	1376	2.00	2.36	M
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	143988	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	140132	50.0	48.8	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.006	0	128208	50.0	48.6	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	511649	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.134	6.139	-0.005	0	22804	1000.0	1000.0	
80 Epichlorohydrin	57	6.887	6.886	0.000	1	818	5.00	5.57	a
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	505991	50.0	52.4	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	86	378748	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	10.410	10.410	0.000	93	158785	50.0	50.7	
* 121 1,4-Dichlorobenzene-d4	152	11.216	11.221	-0.005	94	207355	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	0.00	Units: uL	
524FREONS_00031	Amount Added:	0.00	Units: uL	
ACROLEIN W_00180	Amount Added:	0.00	Units: uL	
GASES Li_00629	Amount Added:	2.50	Units: uL	
GAS Hi_00490	Amount Added:	0.00	Units: uL	
Ethanol mix_00099	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00135	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00159	Amount Added:	0.00	Units: uL	
MIX I Hi_00186	Amount Added:	0.00	Units: uL	
7 Freons Hi_00025	Amount Added:	0.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2025 16:52:11 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D

Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1 Operator ID:

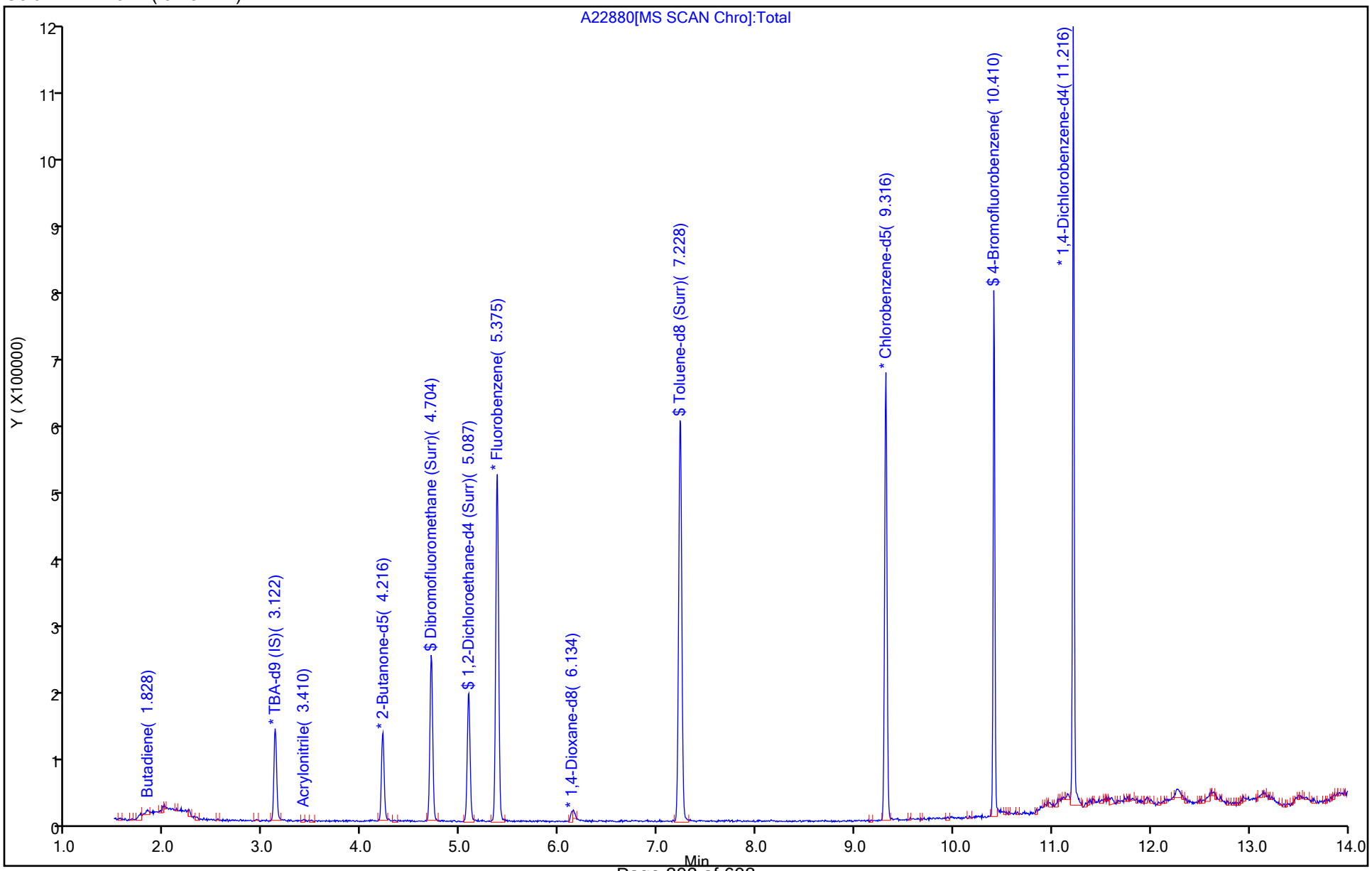
Lims ID: STD7 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

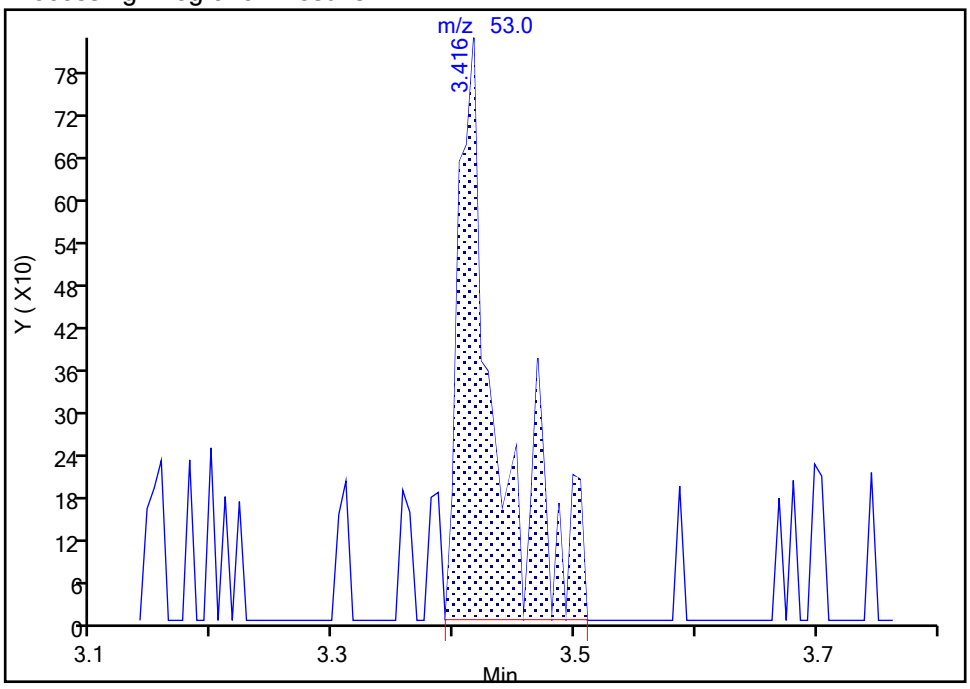
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

35 Acrylonitrile, CAS: 107-13-1

Signal: 1

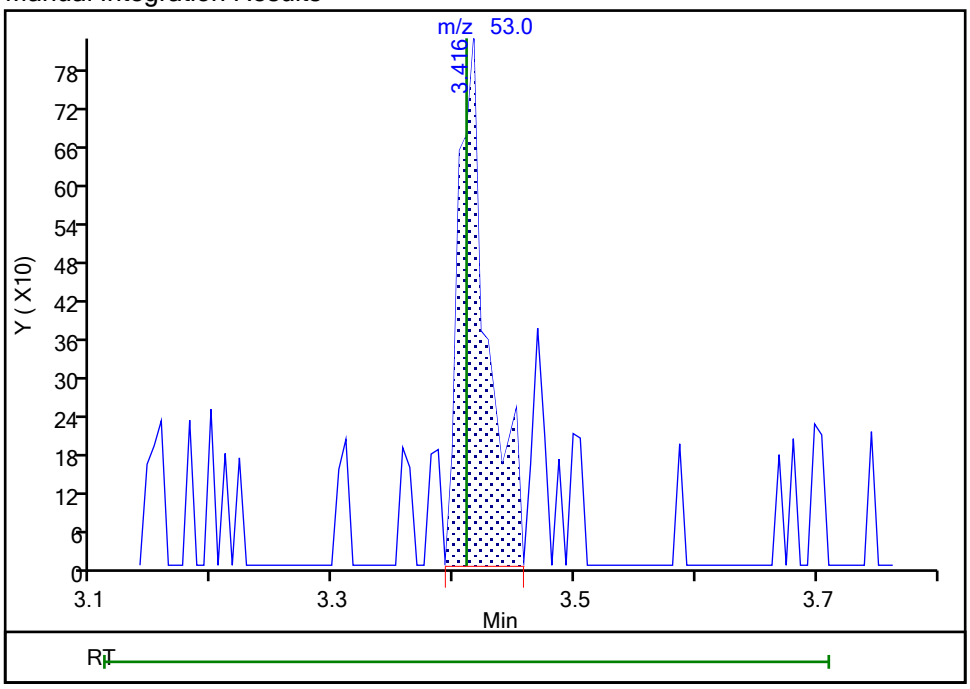
Processing Integration Results

RT: 3.42
Area: 1835
Amount: 3.412893
Amount Units: ug/l



Manual Integration Results

RT: 3.42
Area: 1376
Amount: 2.363087
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:31:53 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

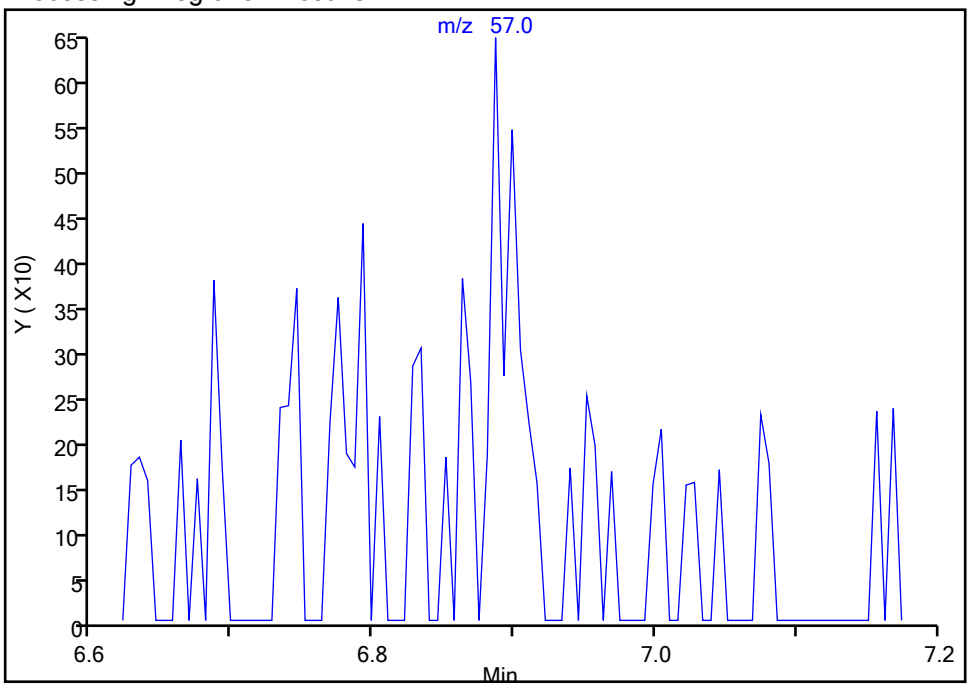
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

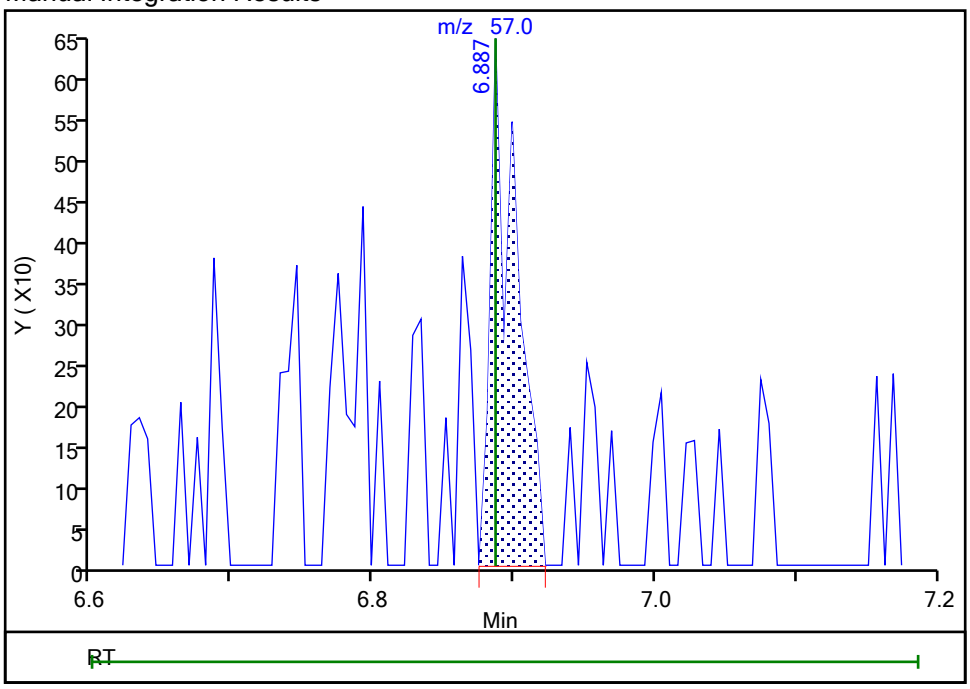
Not Detected
Expected RT: 6.89

Processing Integration Results



Manual Integration Results

RT: 6.89
Area: 818
Amount: 5.572428
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:32:20 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

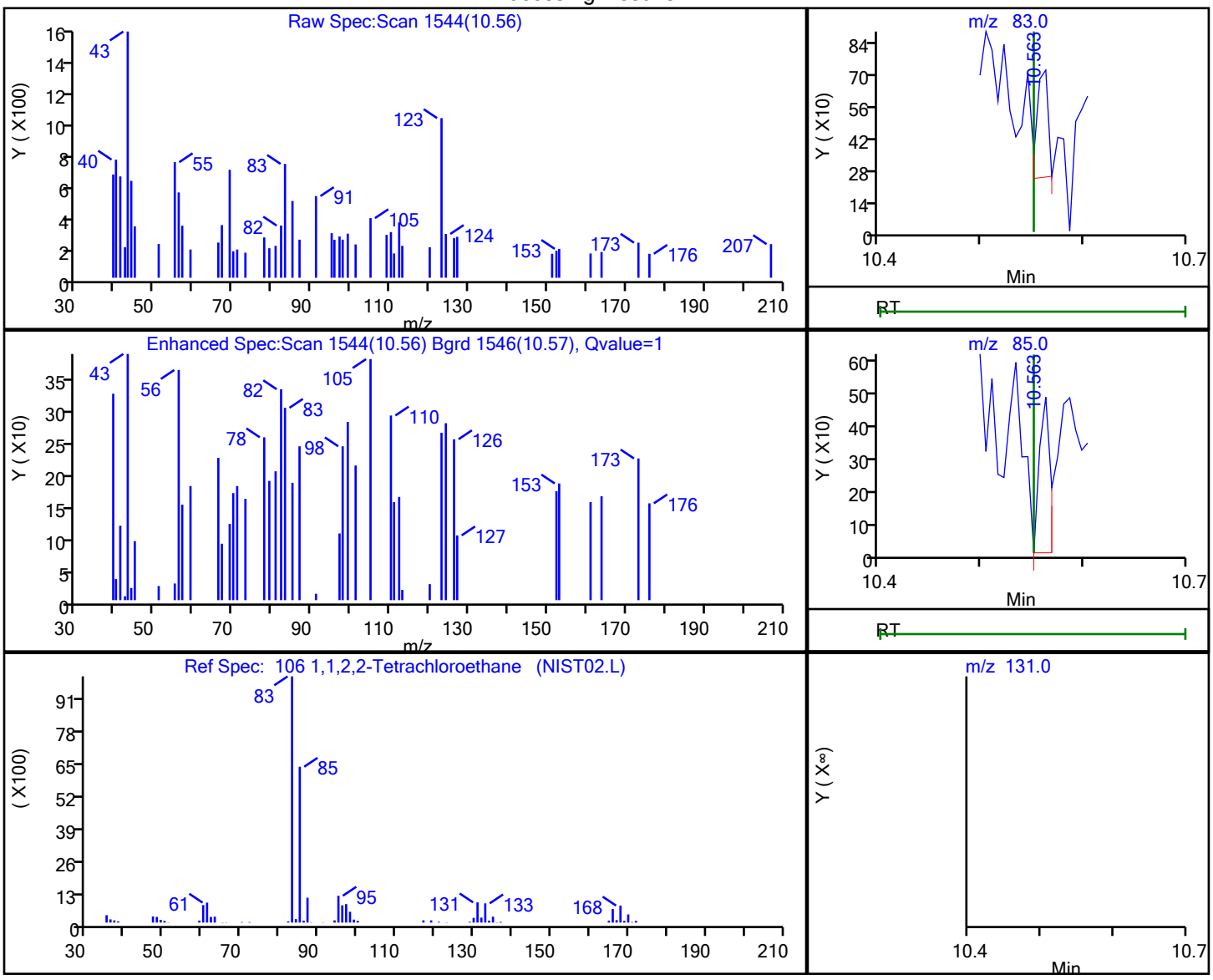
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
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
10.56	83.00	359	183.2584
10.56	85.00	360	
10.55	131.00	0	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

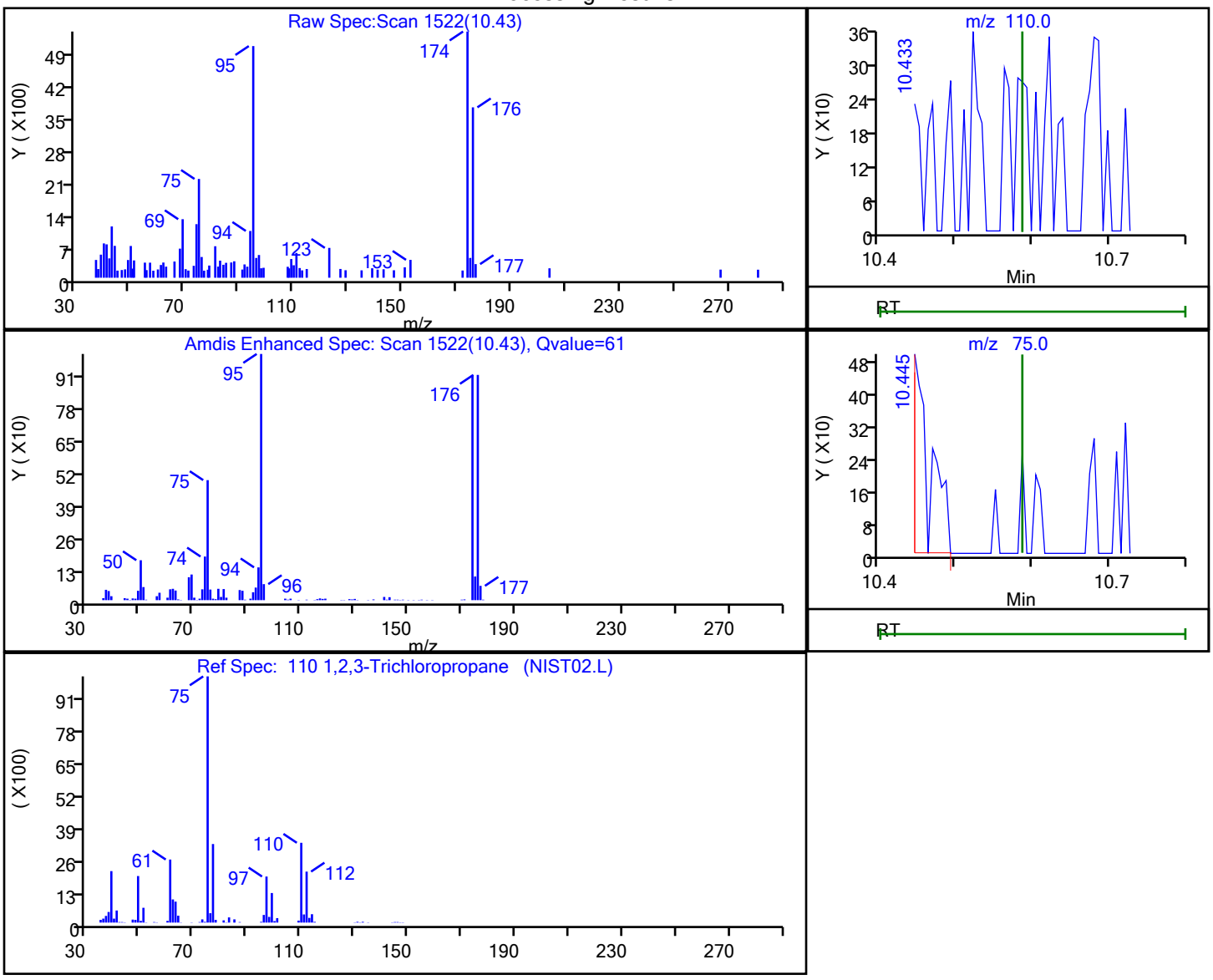
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

110 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
10.43	110.00	455	183.2521
10.45	75.00	746	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

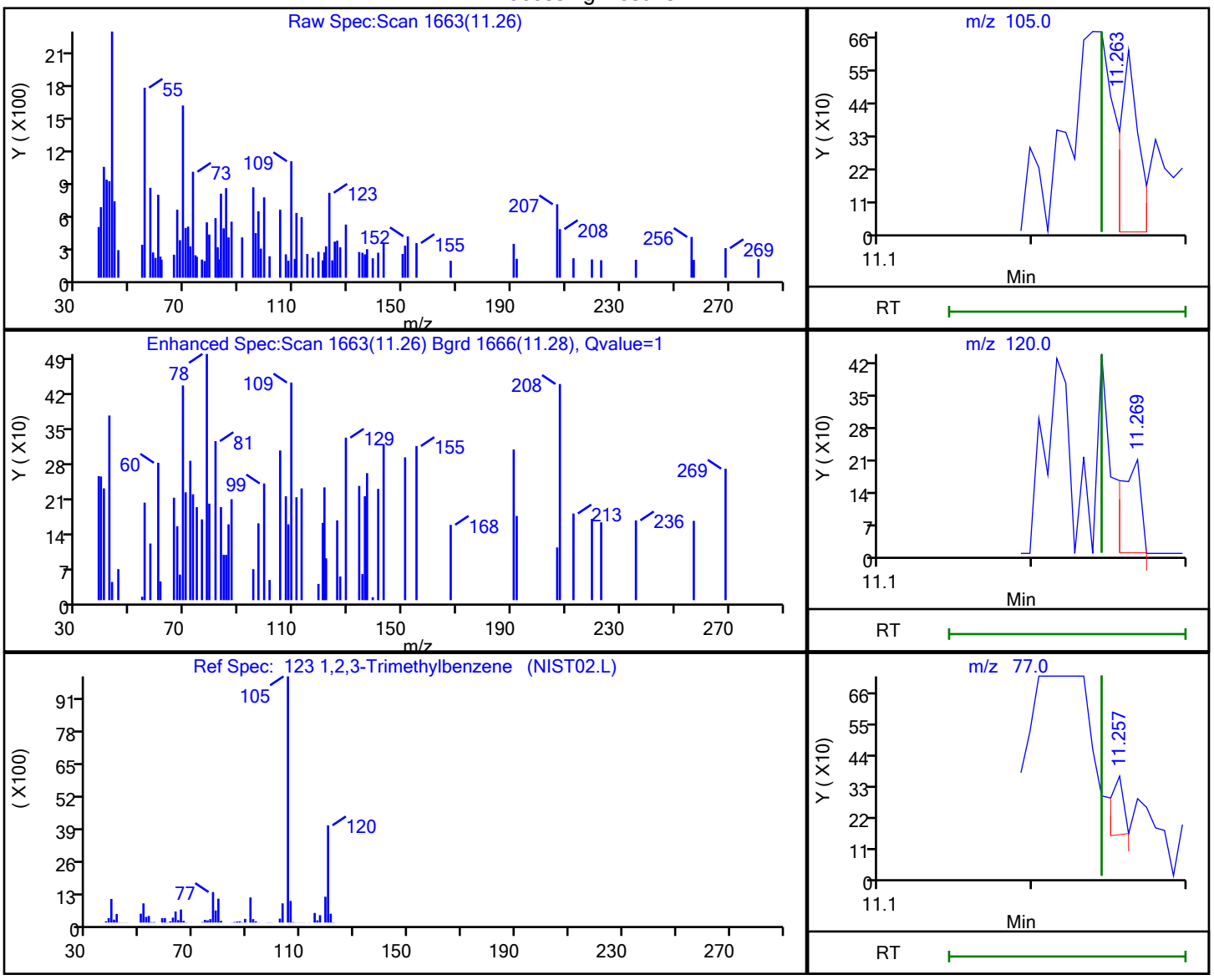
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
11.26	105.00	509	183.2584
11.27	120.00	184	
11.26	77.00	121	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

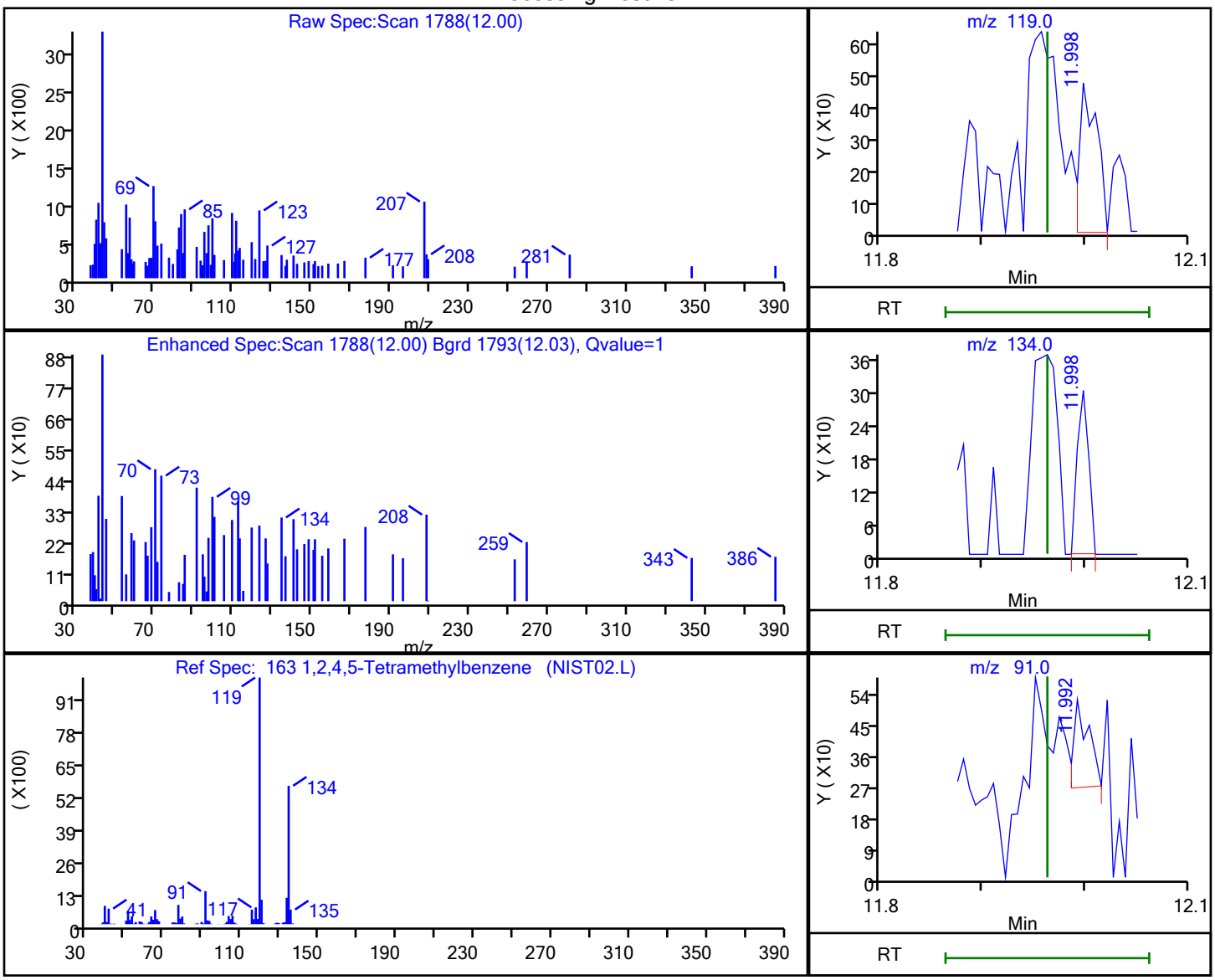
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

163 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.00	119.00	556	183.2286
12.00	134.00	234	
11.99	91.00	267	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

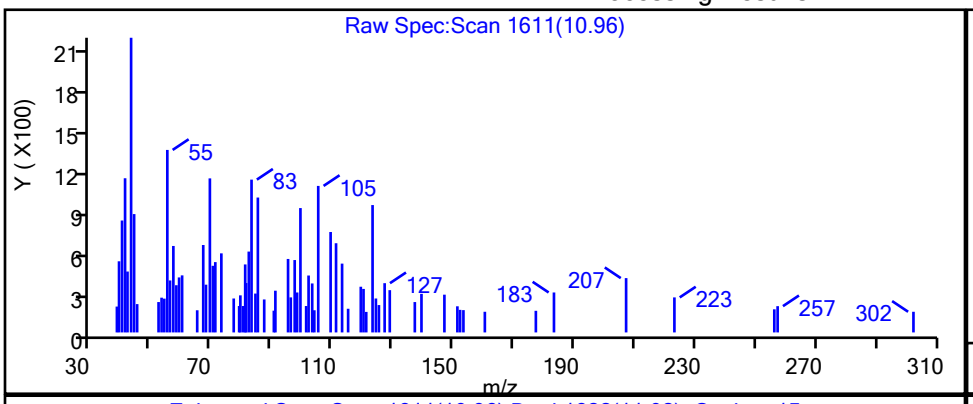
User Disabled Compound Report

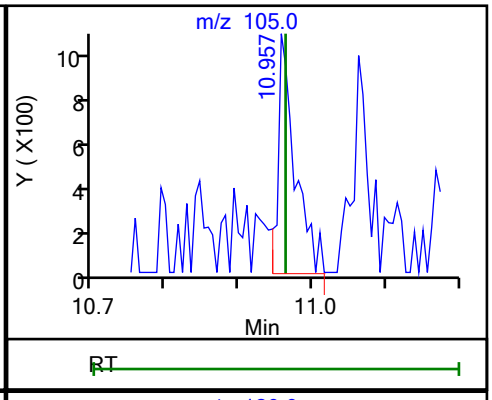
Eurofins Edison

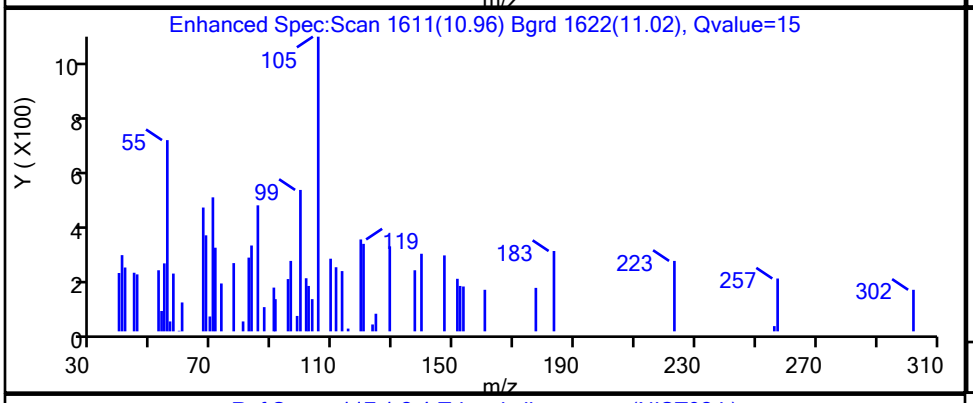
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

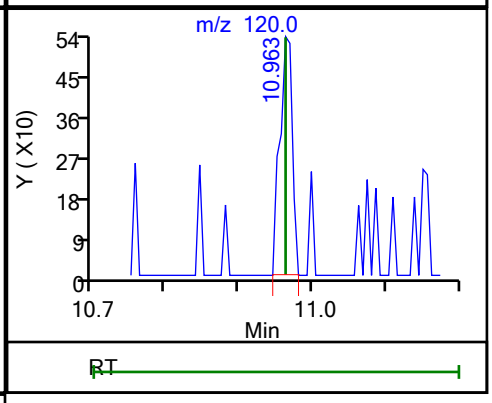
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

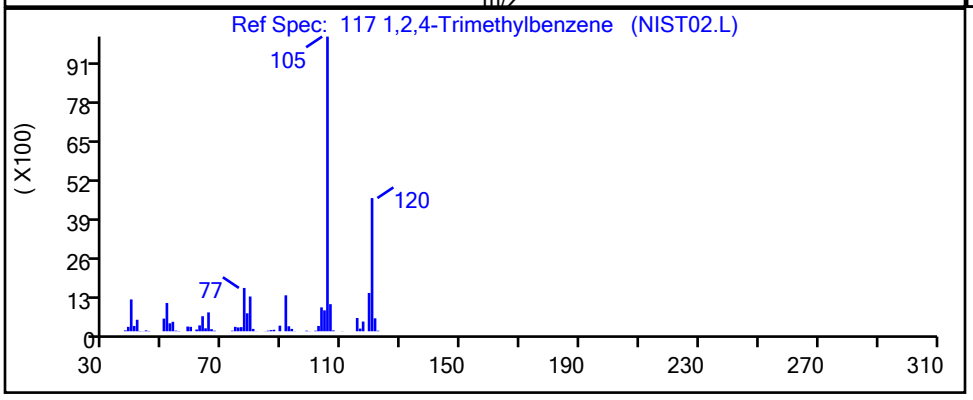
Processing Results











RT	Mass	Response	Amount
10.96	105.00	1698	183.2174
10.96	120.00	640	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

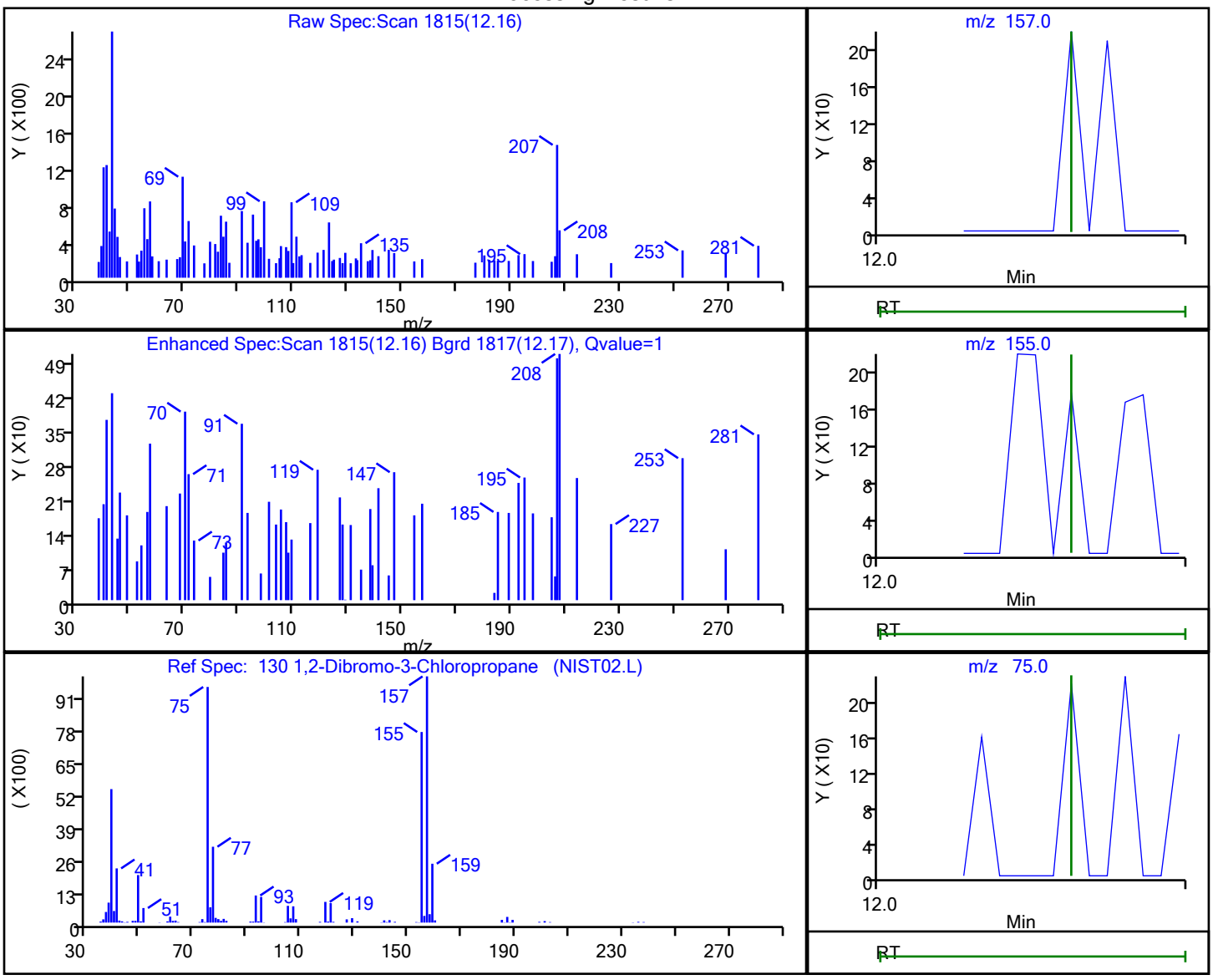
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

130 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
12.16	157.00	70	183.1534
12.15	155.00	177	
12.16	75.00	119	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

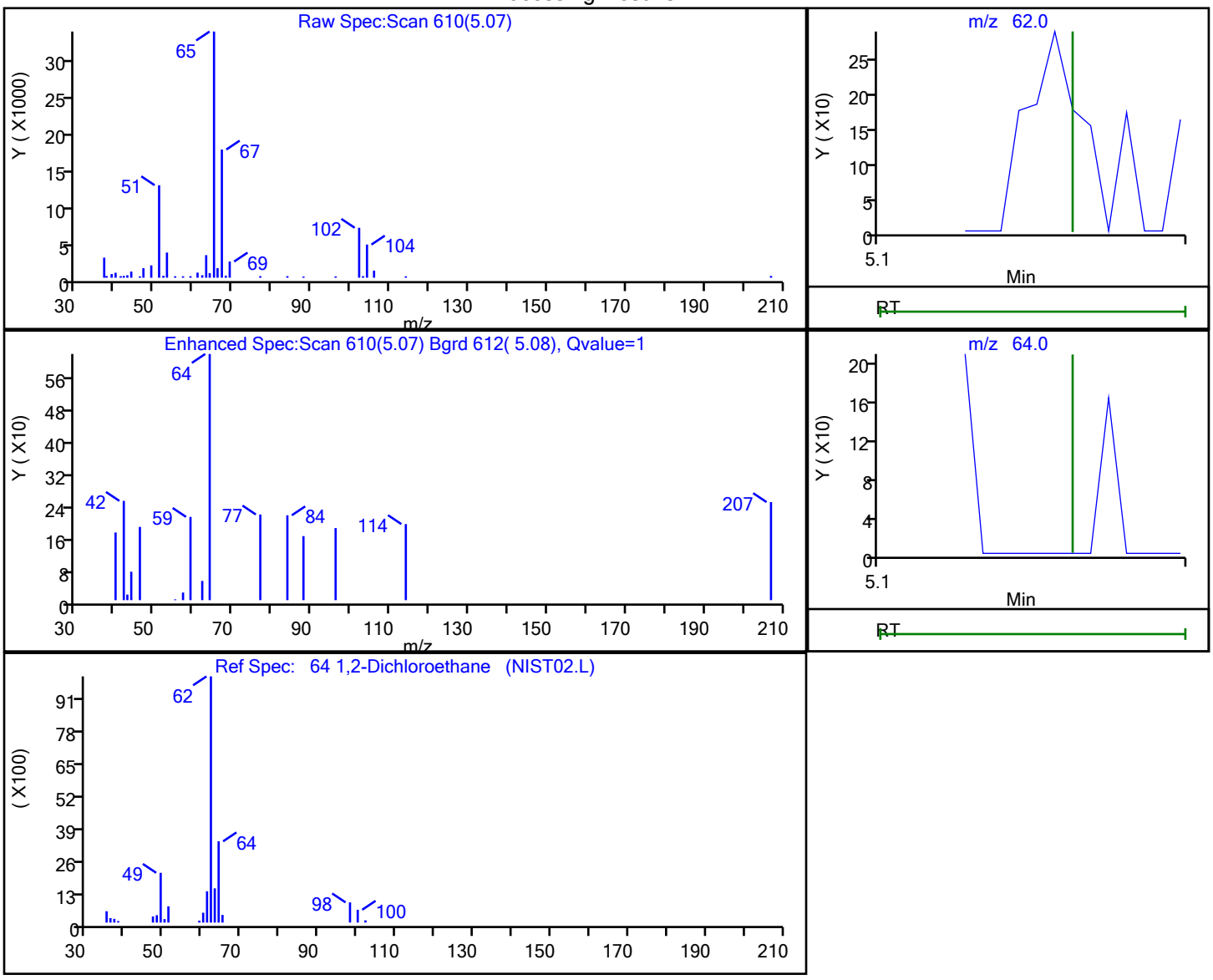
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
5.07	62.00	190	0.056744
5.06	64.00	641	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

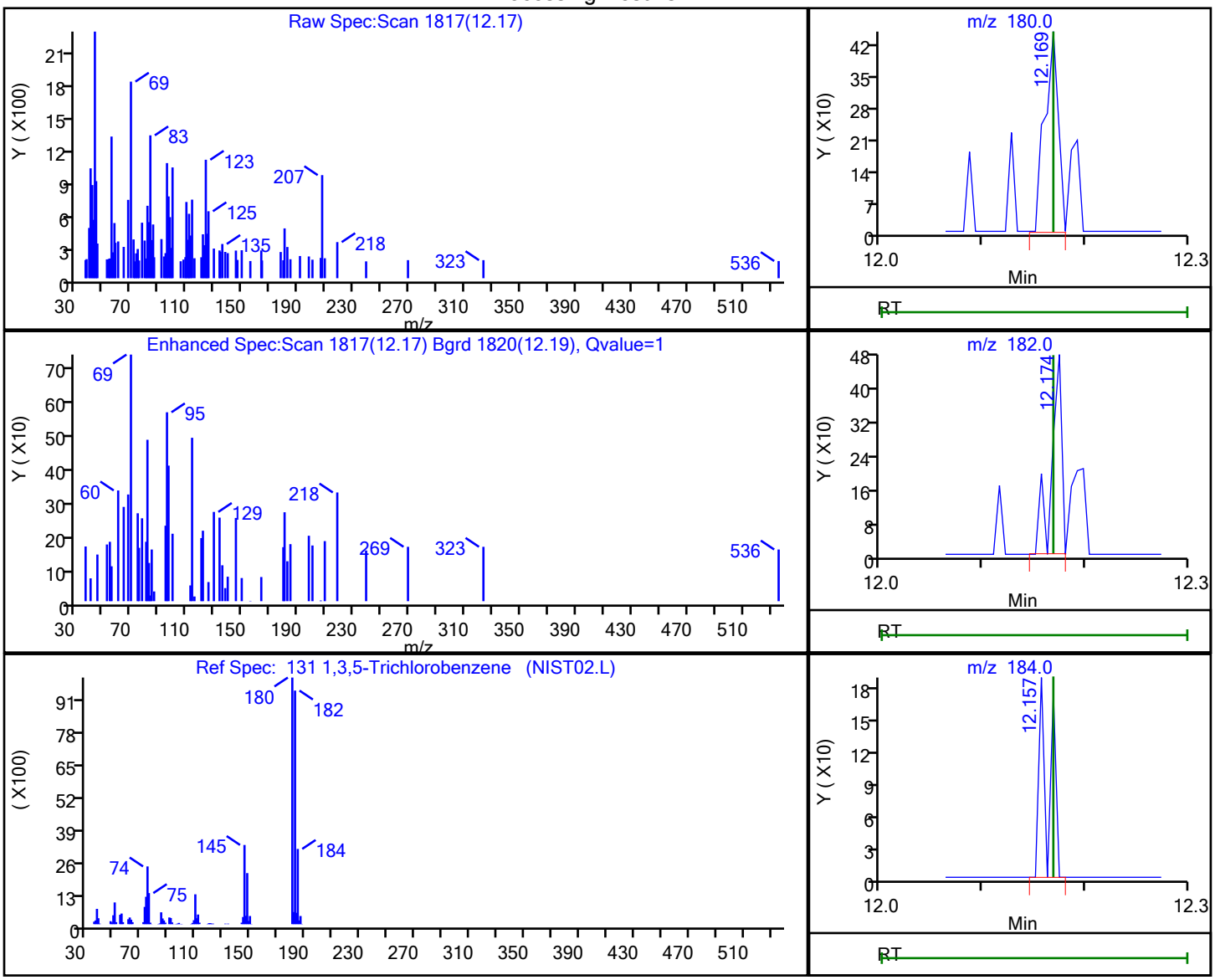
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

131 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
12.17	180.00	413	183.2066
12.17	182.00	333	
12.16	184.00	125	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

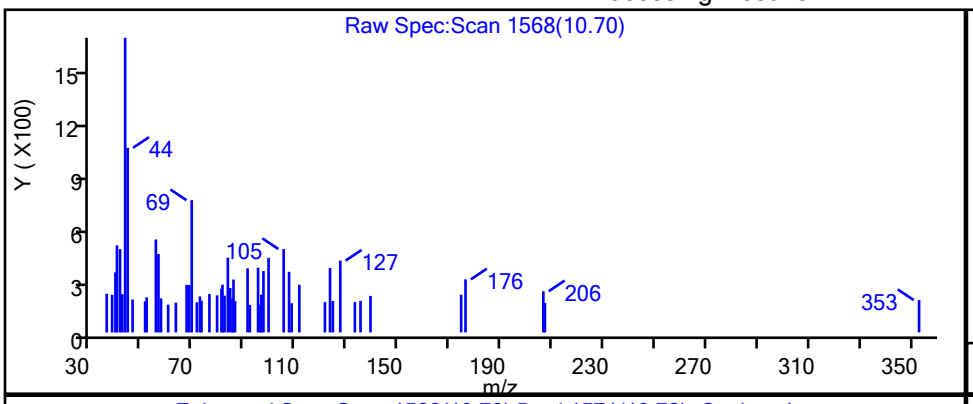
User Disabled Compound Report

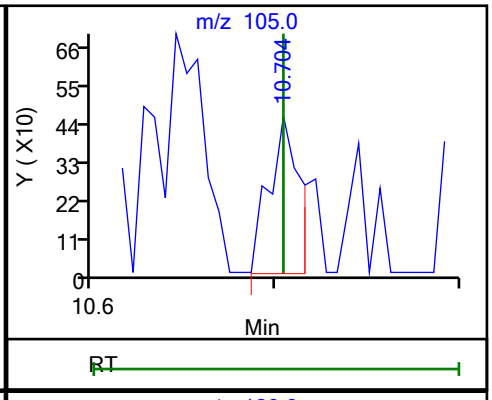
Eurofins Edison

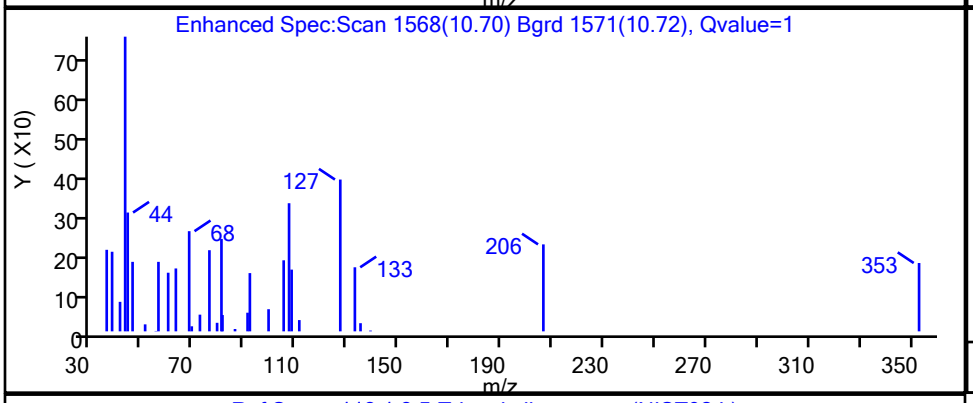
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

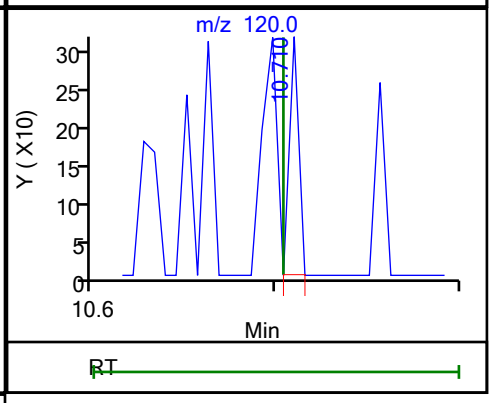
113 1,3,5-Trimethylbenzene, CAS: 108-67-8

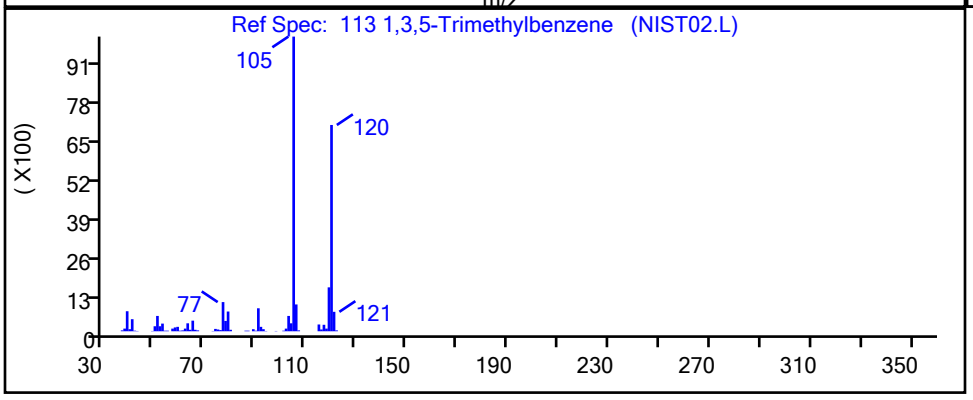
Processing Results











RT	Mass	Response	Amount
10.70	105.00	525	183.2362
10.71	120.00	110	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

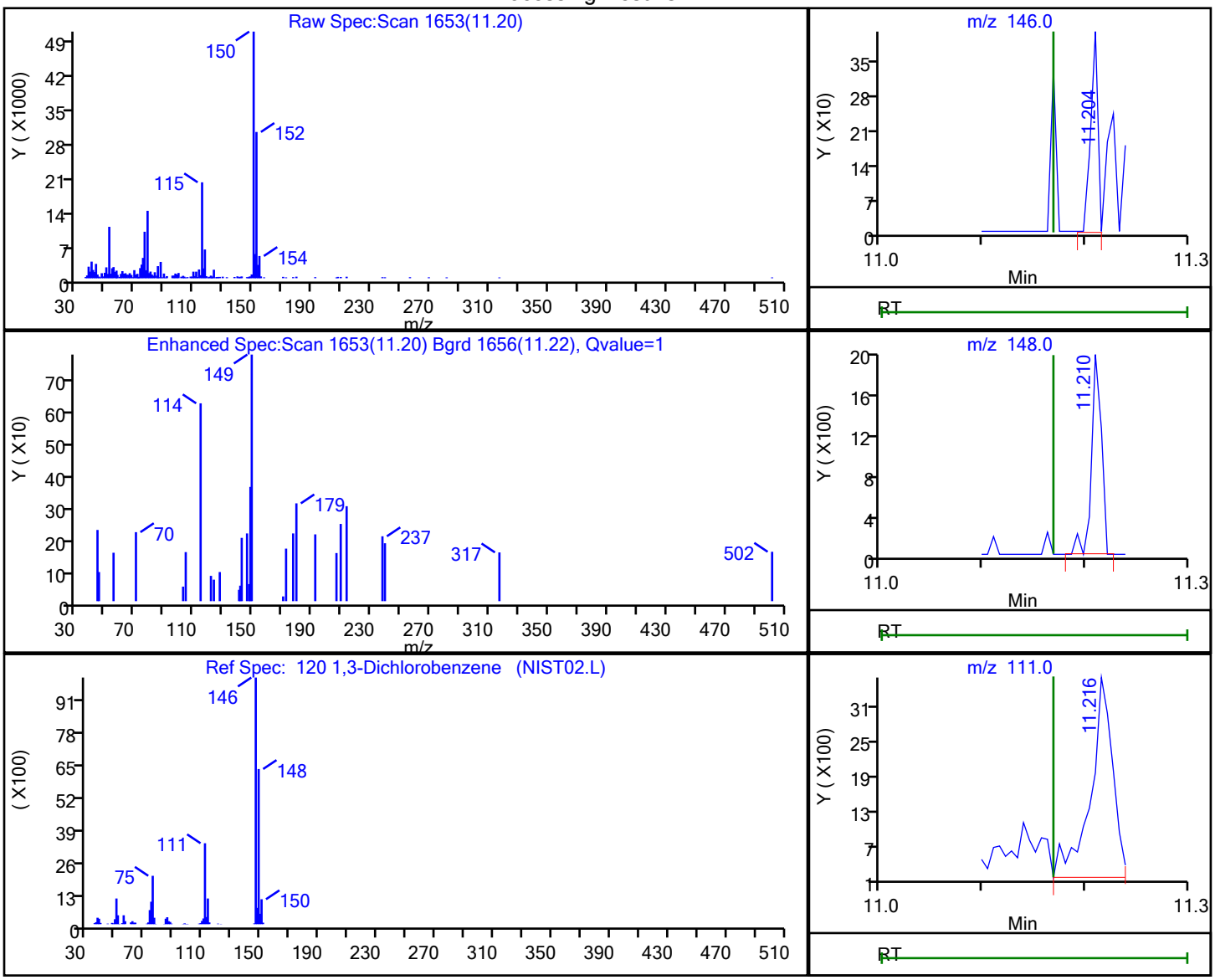
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.20	146.00	197	183.2611
11.21	148.00	1296	
11.22	111.00	5108	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

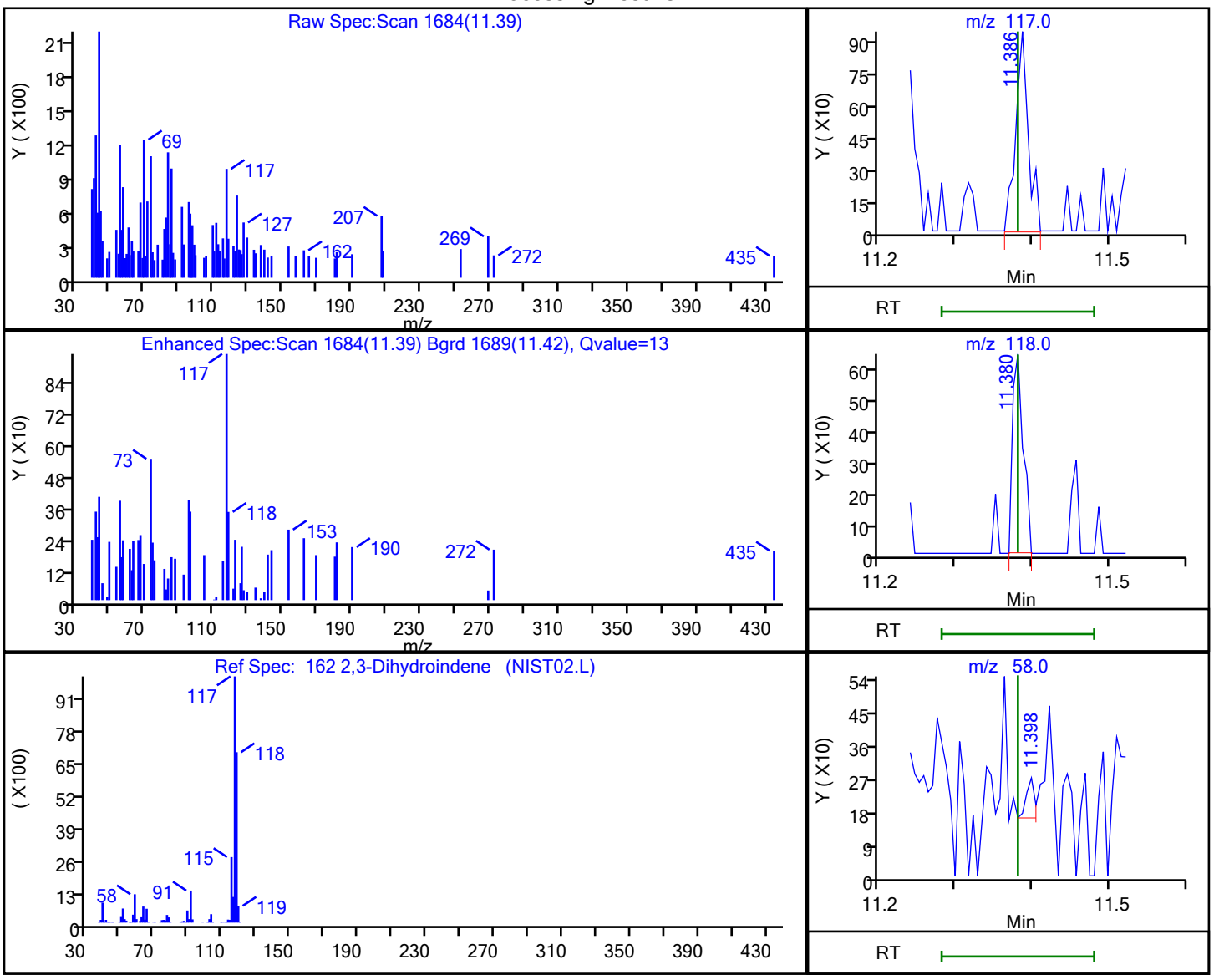
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

162 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
11.39	117.00	1090	183.1678
11.38	118.00	626	
11.40	58.00	79	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

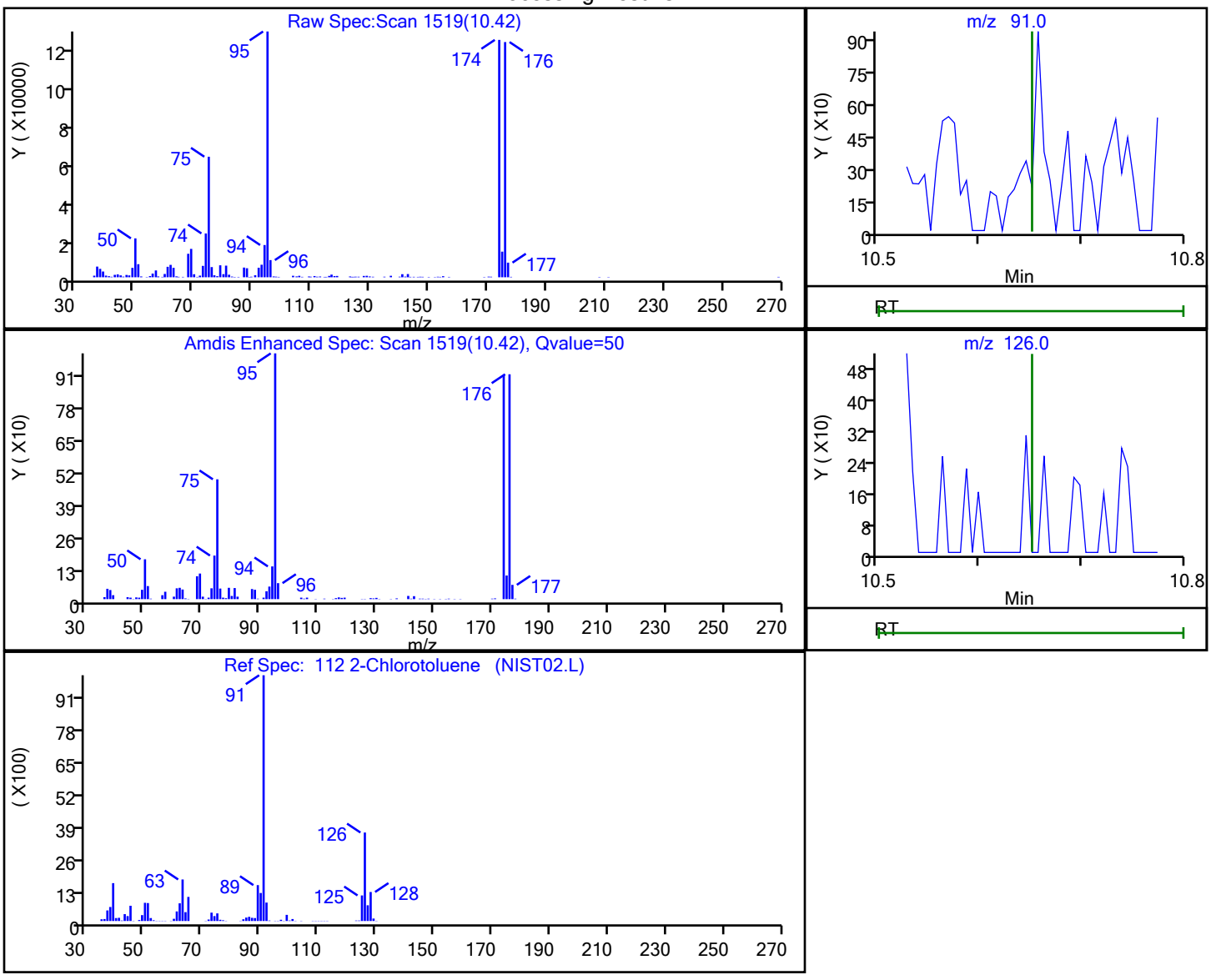
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
10.42	91.00	1451	183.3751
10.42	126.00	208	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

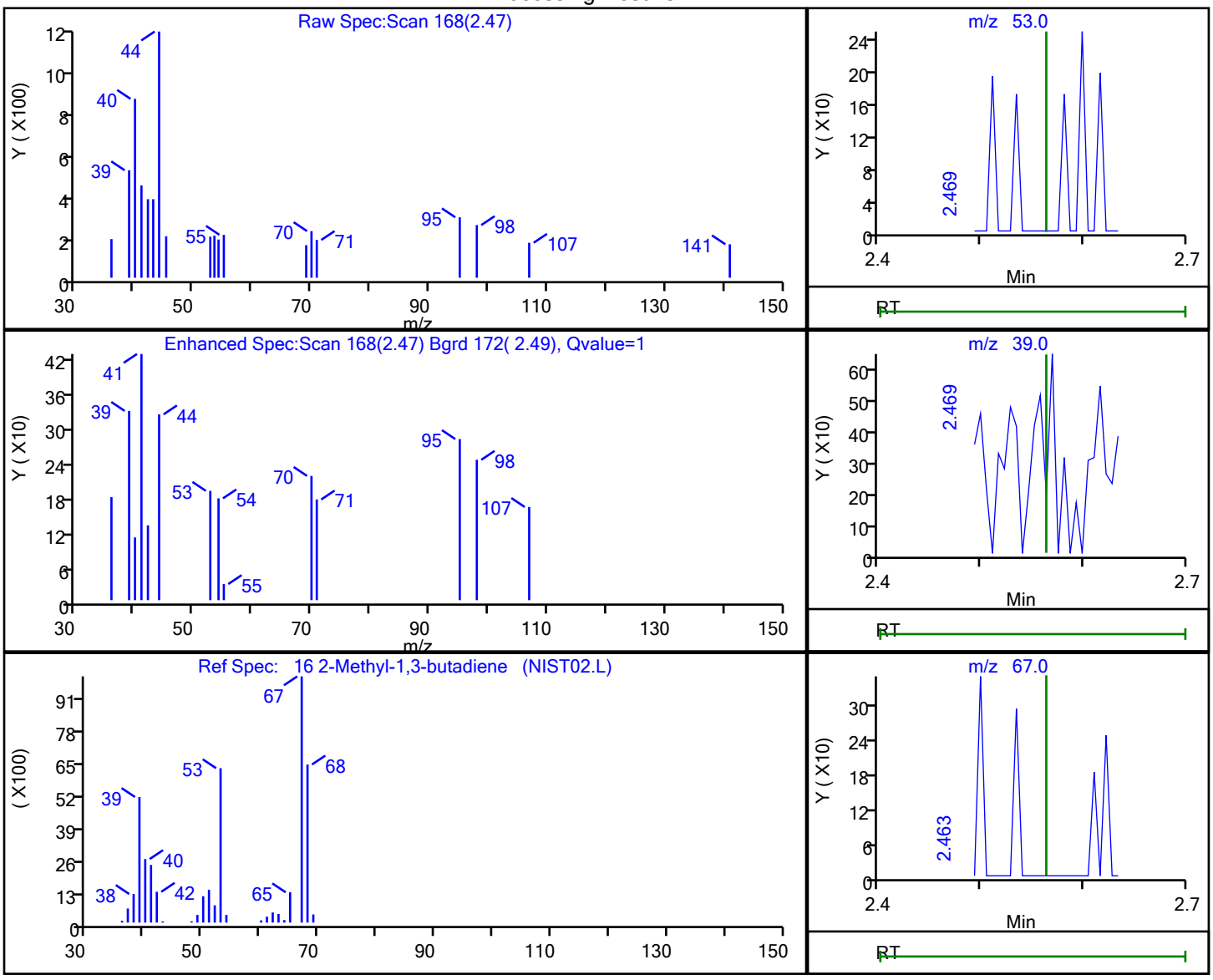
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
2.47	53.00	270	0.131534
2.47	39.00	236	
2.46	67.00	57	

Reviewer: NN6A, 02-Mar-2025 20:31:45 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

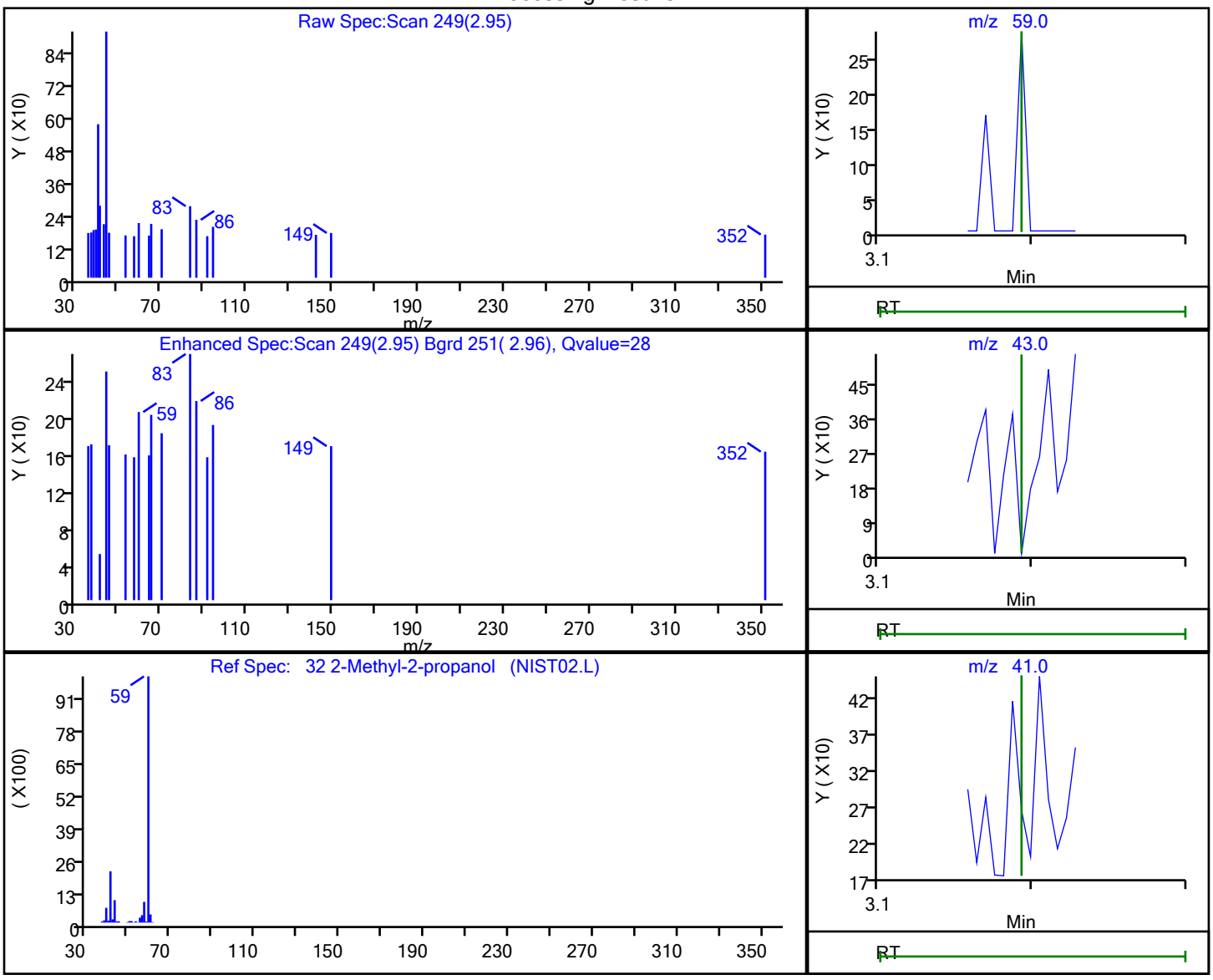
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
2.95	59.00	72	0.454932
2.95	41.00	267	
3.19	43.00	0	

Reviewer: NN6A, 02-Mar-2025 20:31:48 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

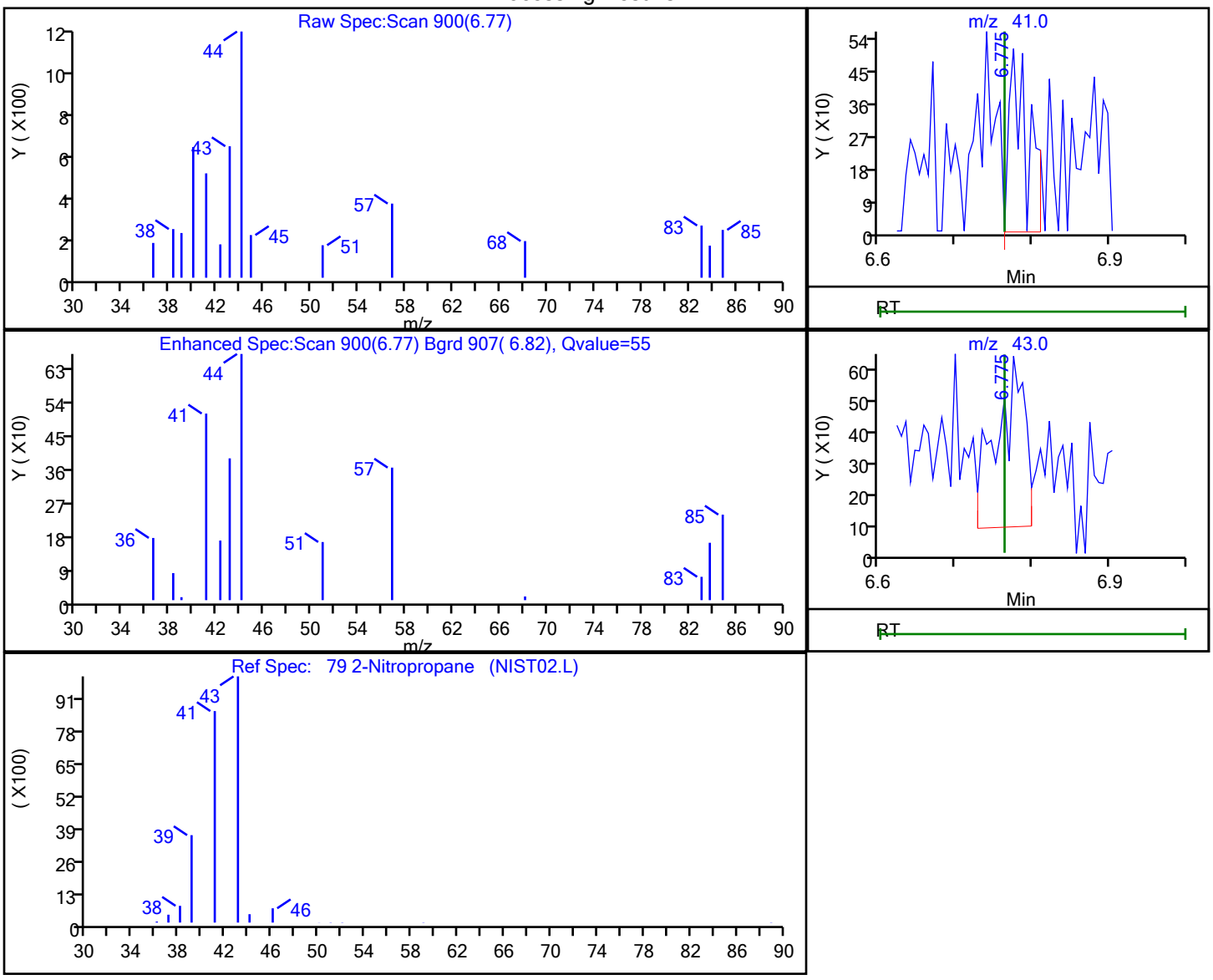
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.77	41.00	838	2.200085
6.77	43.00	1429	

Reviewer: NN6A, 02-Mar-2025 20:32:09 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

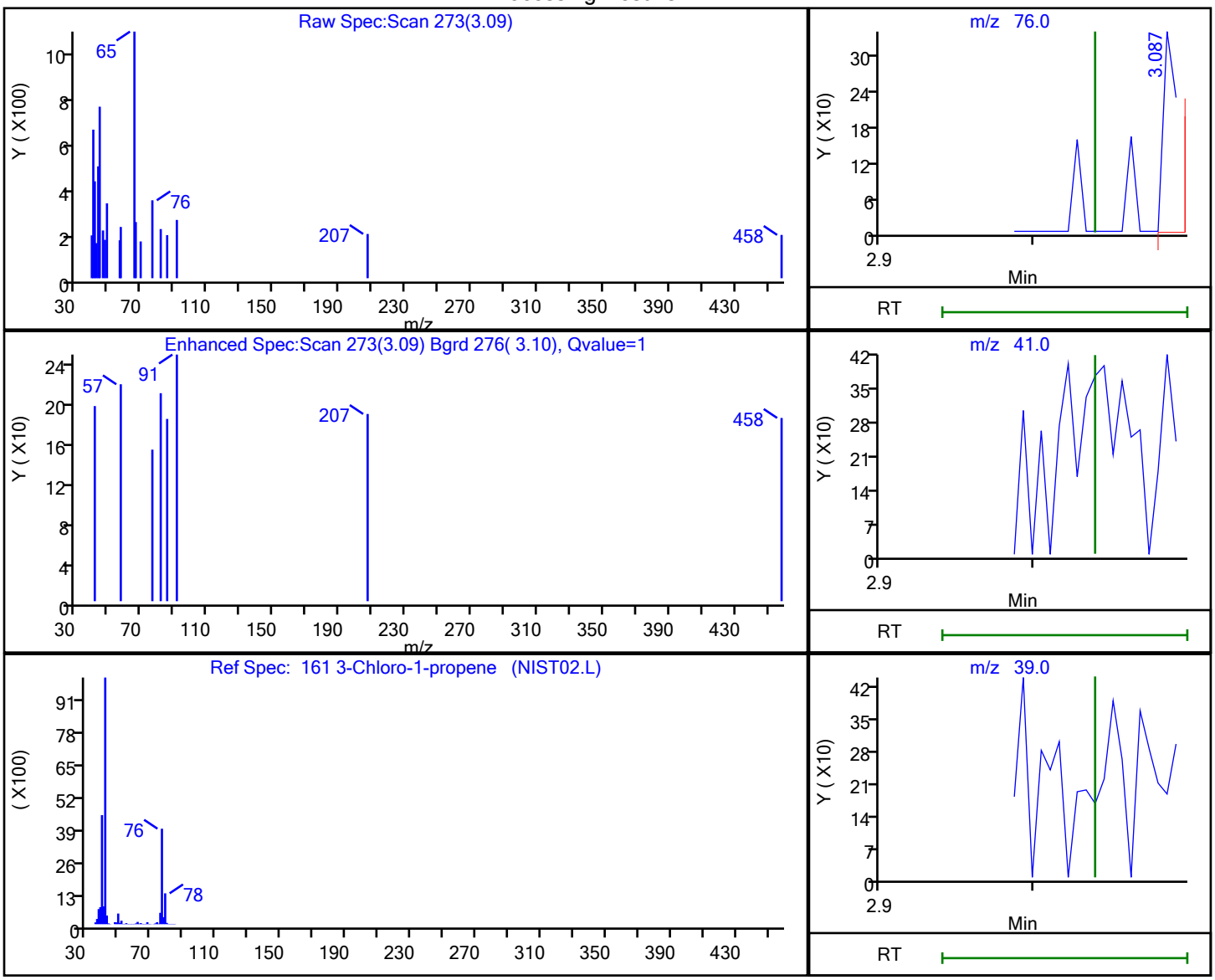
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

161 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.09	76.00	196	0.117344
3.09	41.00	458	
3.10	39.00	404	

Reviewer: NN6A, 02-Mar-2025 20:31:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

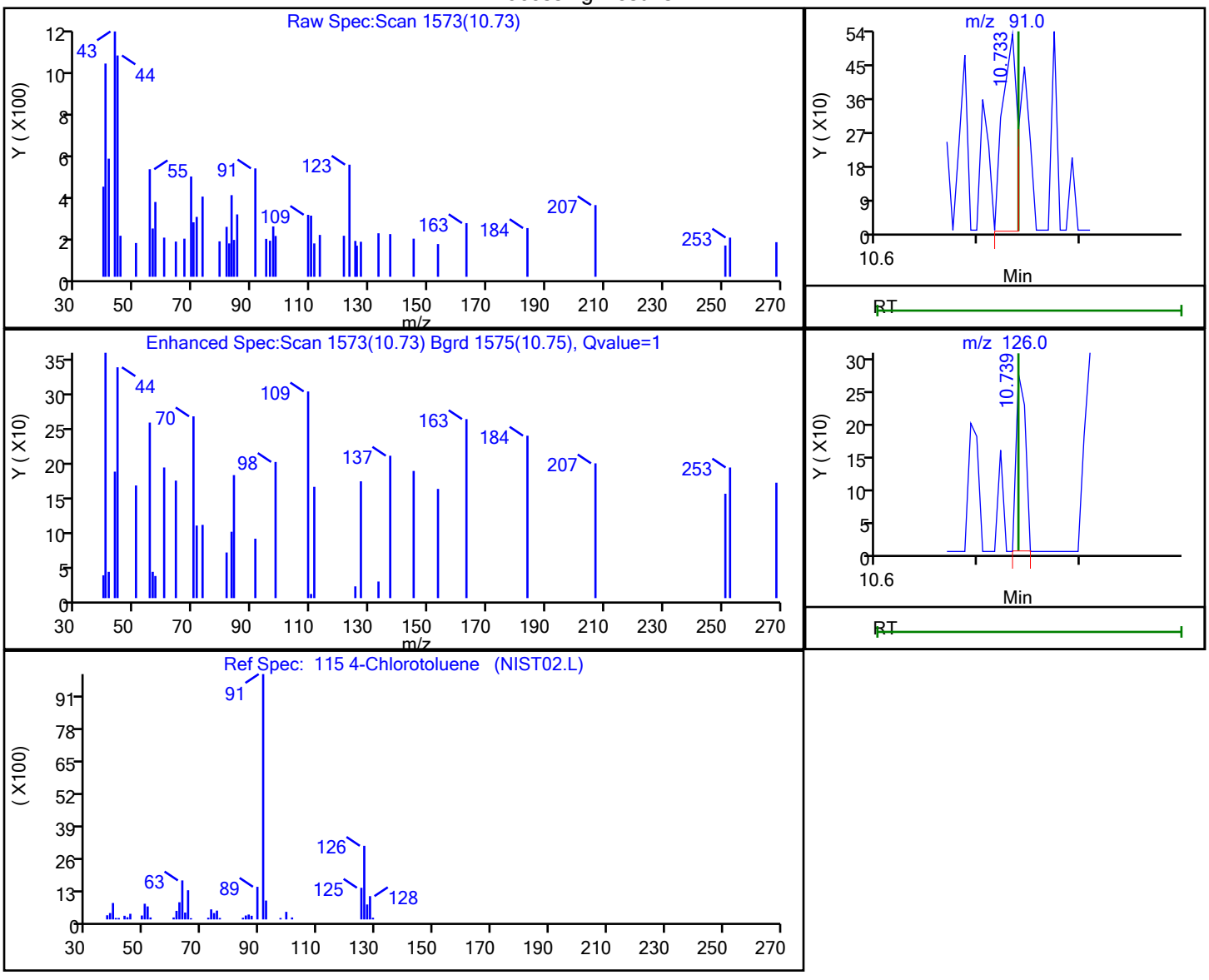
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

115 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
10.73	91.00	530	183.2222
10.74	126.00	175	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

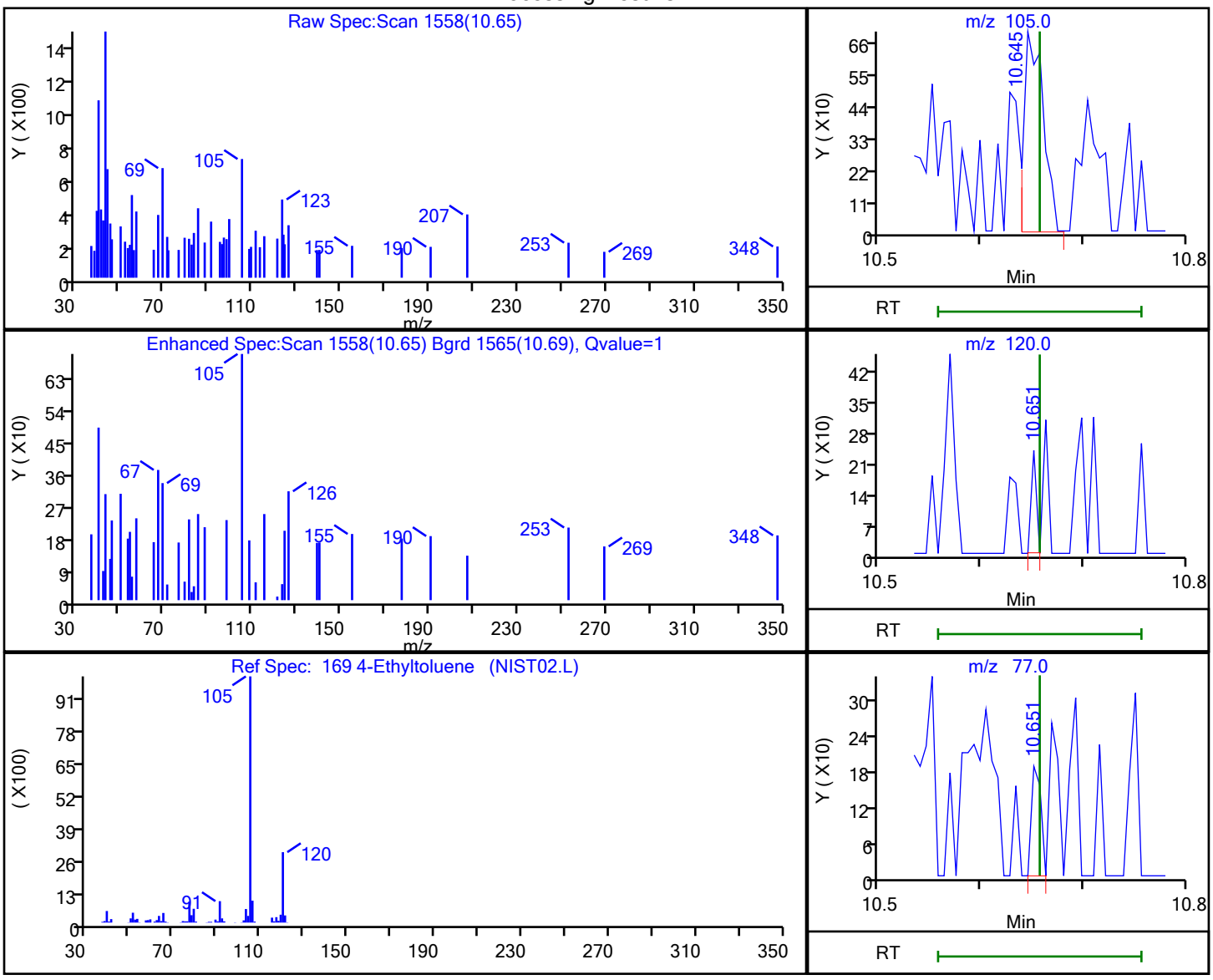
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

169 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
10.65	105.00	901	183.2928
10.65	120.00	83	
10.65	77.00	119	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

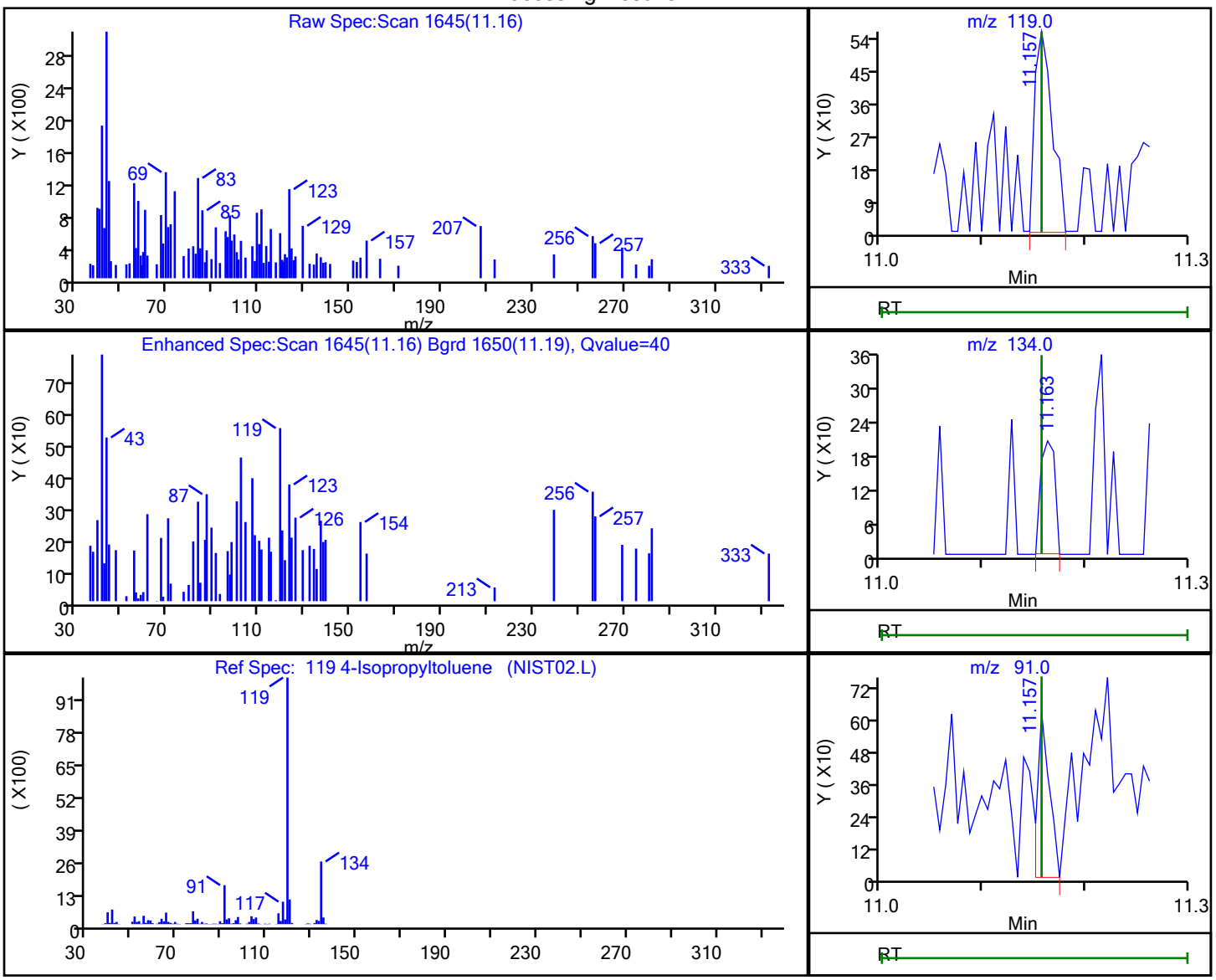
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.16	119.00	659	183.2035
11.16	134.00	194	
11.16	91.00	508	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

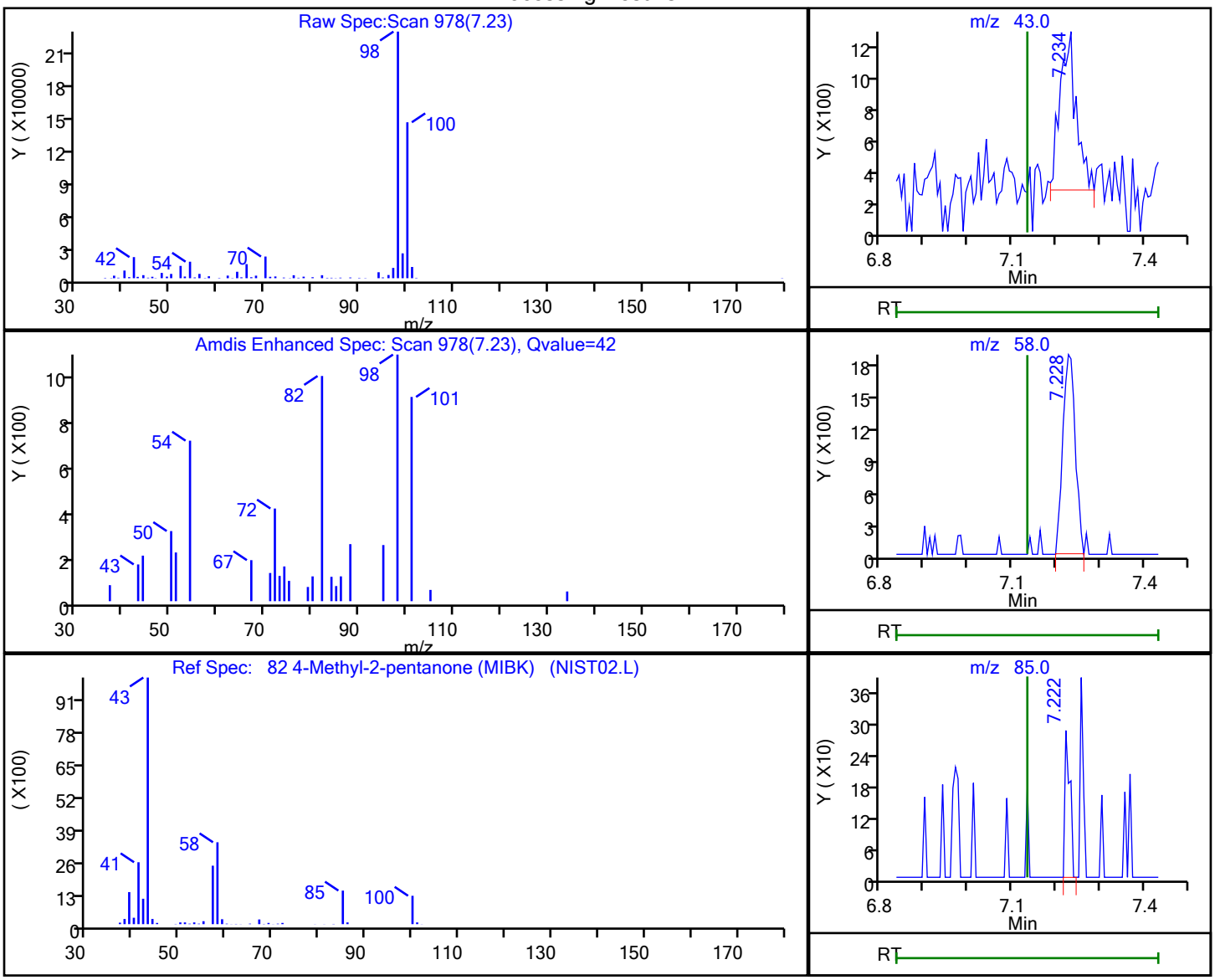
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.23	43.00	2540	2.028743
7.23	58.00	3618	
7.22	85.00	227	
7.23	100.00	332805	

Reviewer: NN6A, 02-Mar-2025 20:32:09 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

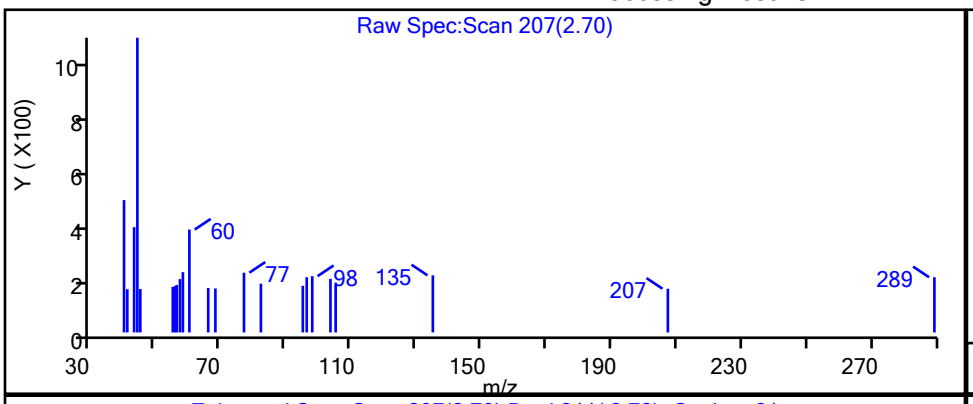
User Disabled Compound Report

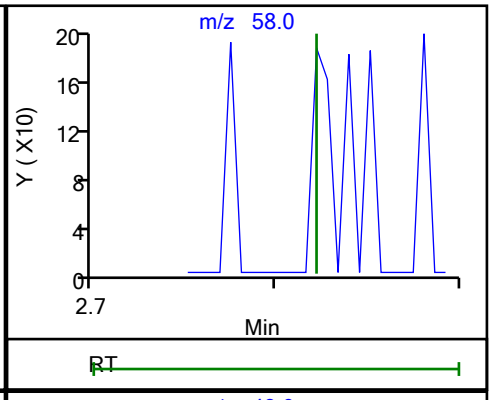
Eurofins Edison

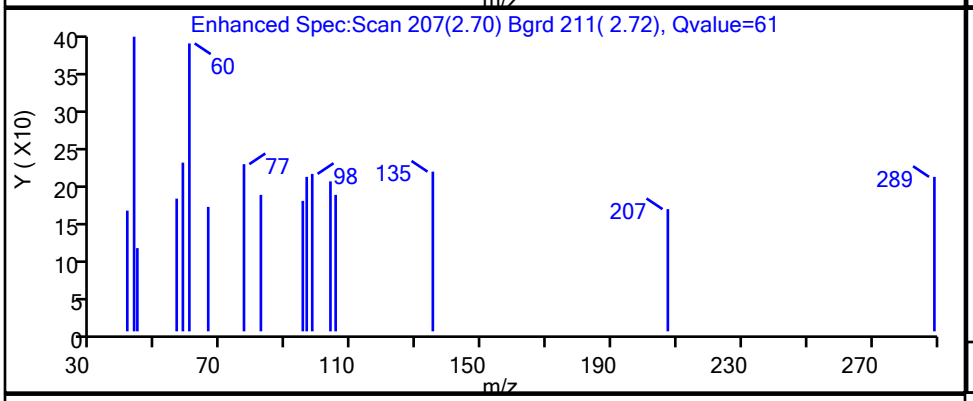
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

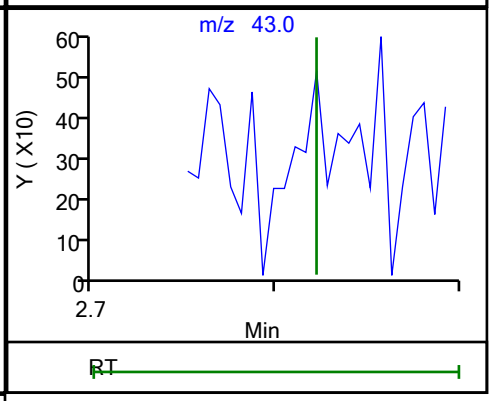
22 Acetone, CAS: 67-64-1

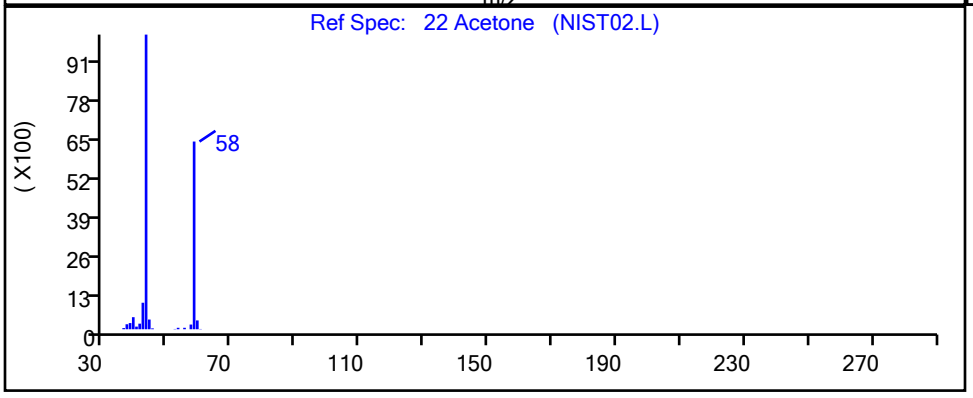
Processing Results











RT	Mass	Response	Amount
2.70	58.00	133	0.914418
2.70	43.00	252	

Reviewer: NN6A, 02-Mar-2025 20:31:45 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

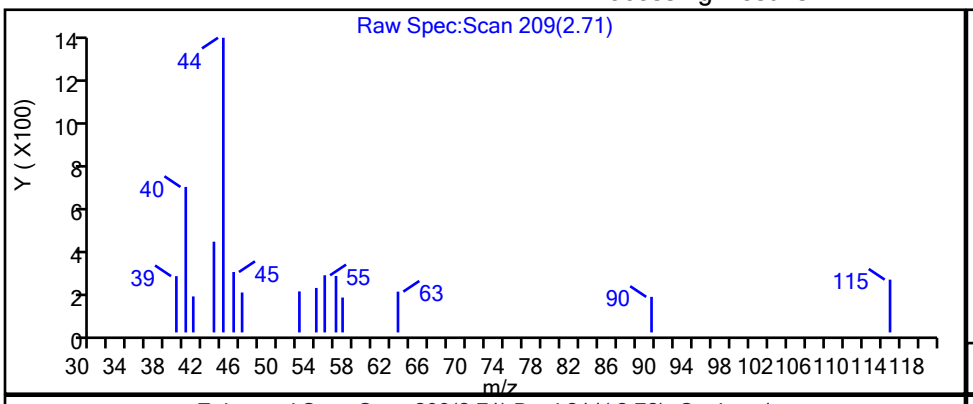
User Disabled Compound Report

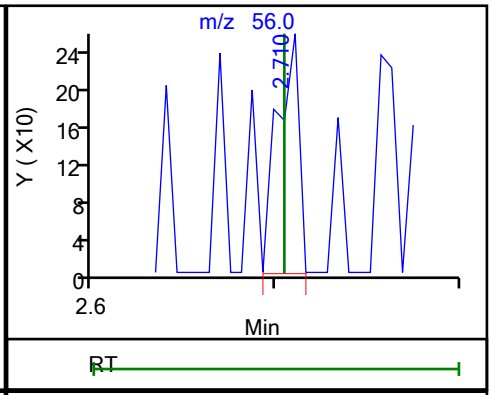
Eurofins Edison

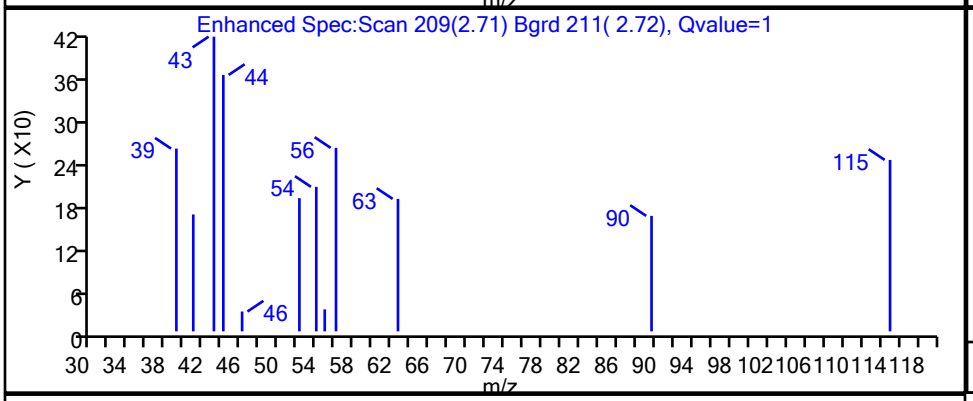
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

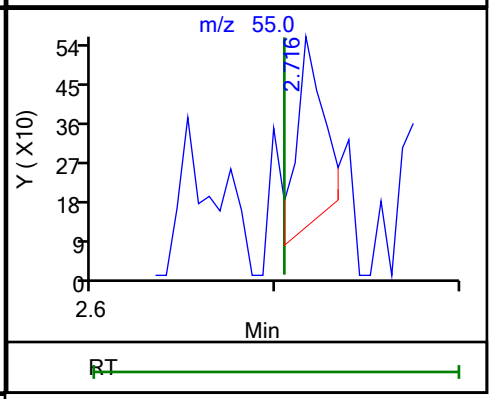
19 Acrolein, CAS: 107-02-8

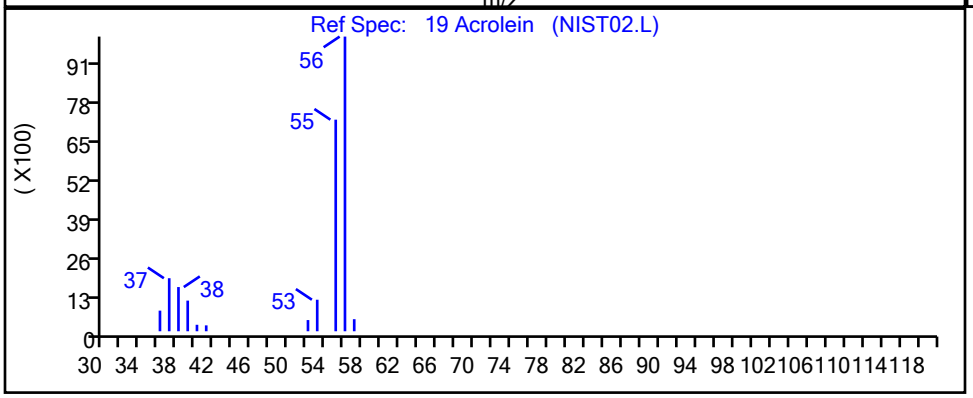
Processing Results











RT	Mass	Response	Amount
2.71	56.00	212	0.690752
2.72	55.00	454	

Reviewer: NN6A, 02-Mar-2025 20:31:45 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

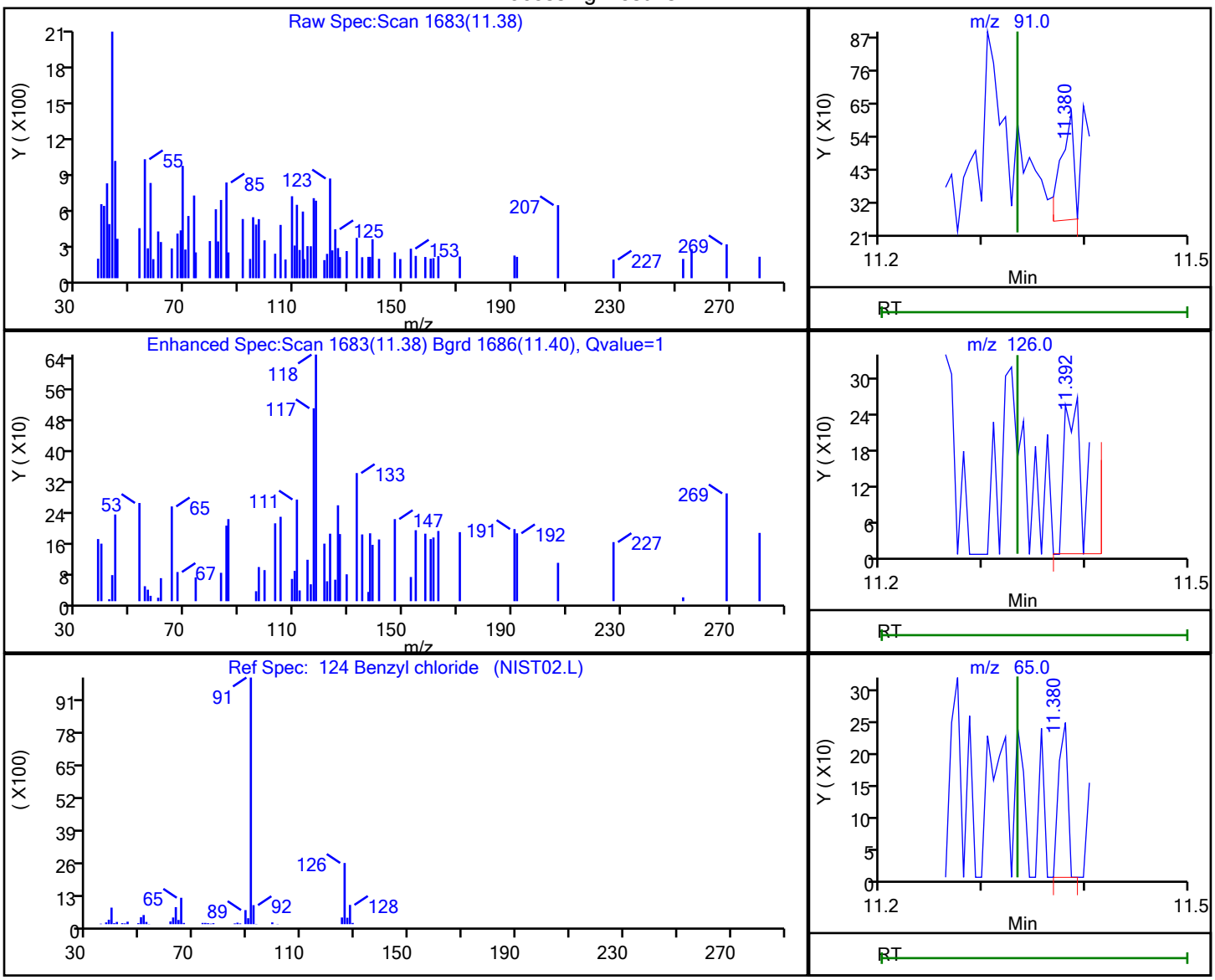
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
11.38	91.00	312	183.1192
11.39	126.00	376	
11.38	65.00	153	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

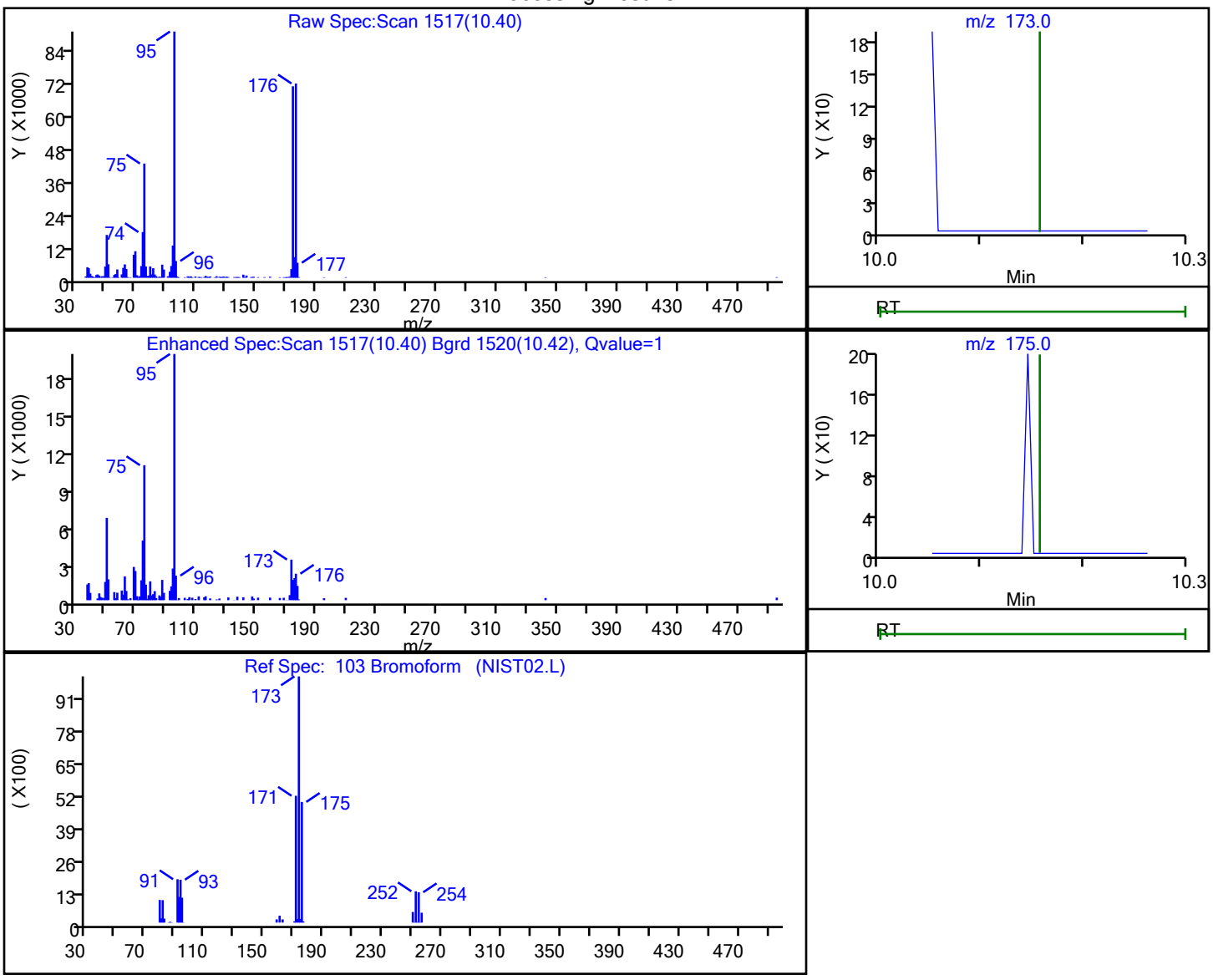
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
10.40	173.00	1201	0.673177
10.41	175.00	16295	

Reviewer: NN6A, 02-Mar-2025 20:32:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

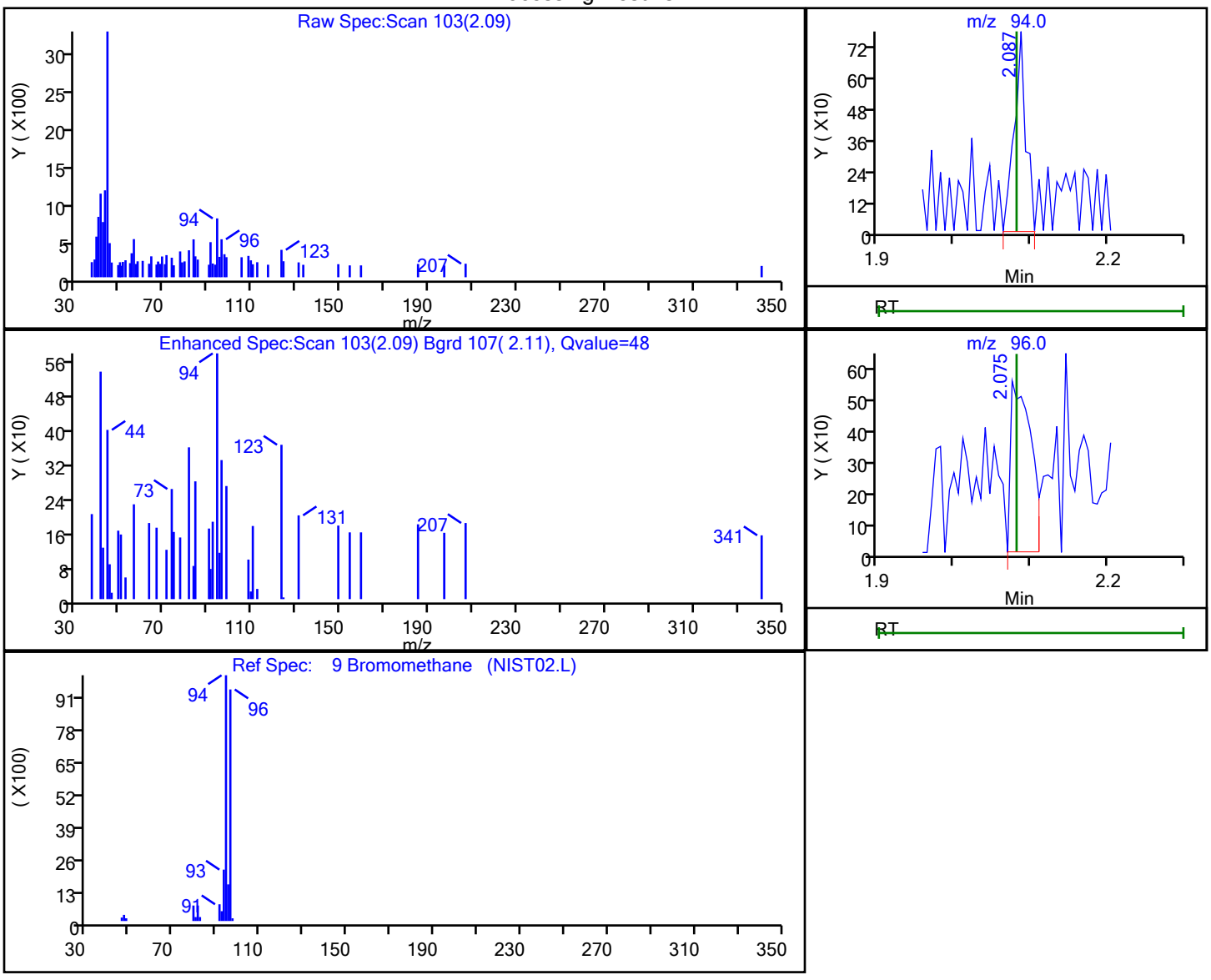
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.09	94.00	824	0.268560
2.08	96.00	1019	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

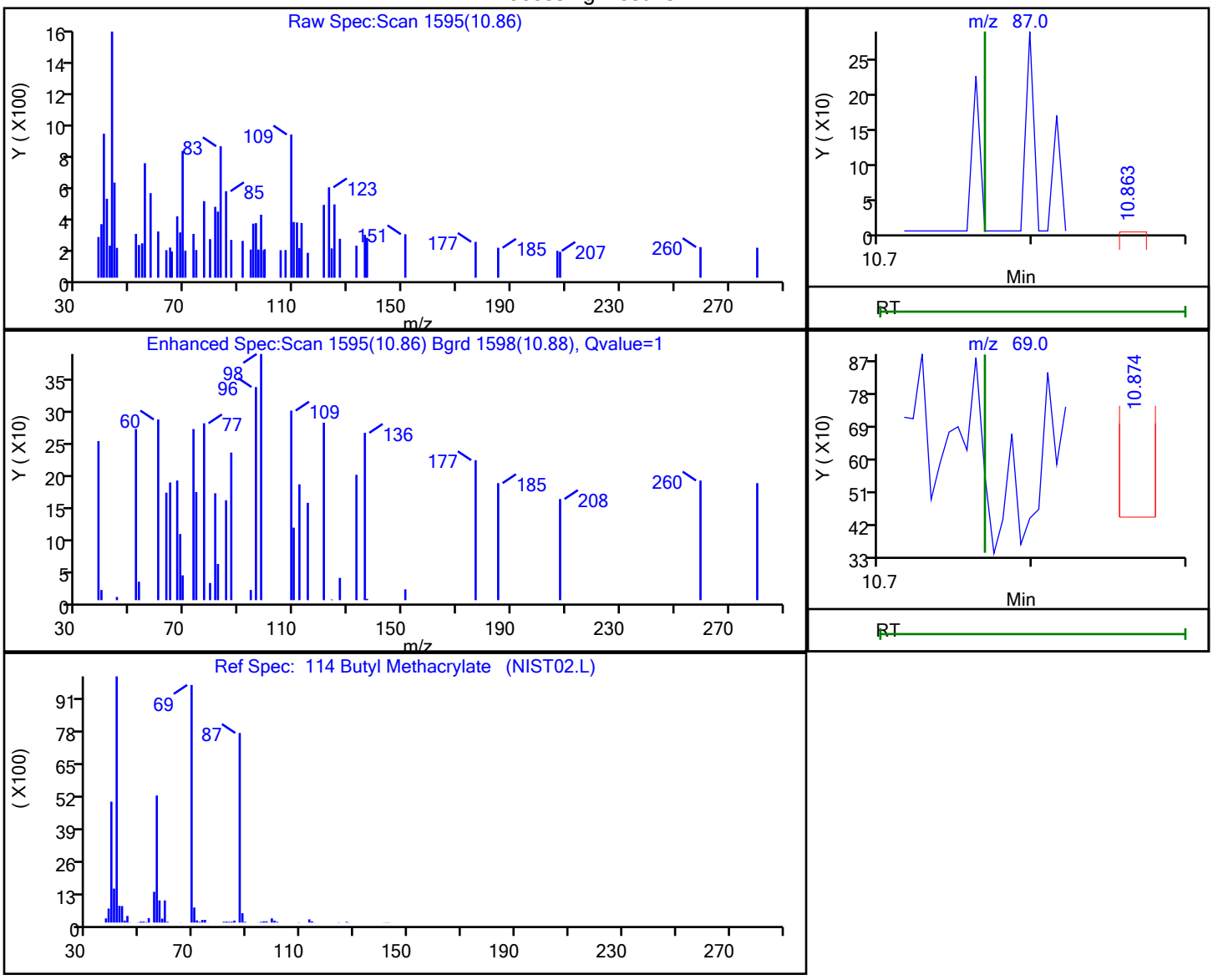
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

114 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
10.86	87.00	146	183.1749
10.87	69.00	542	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

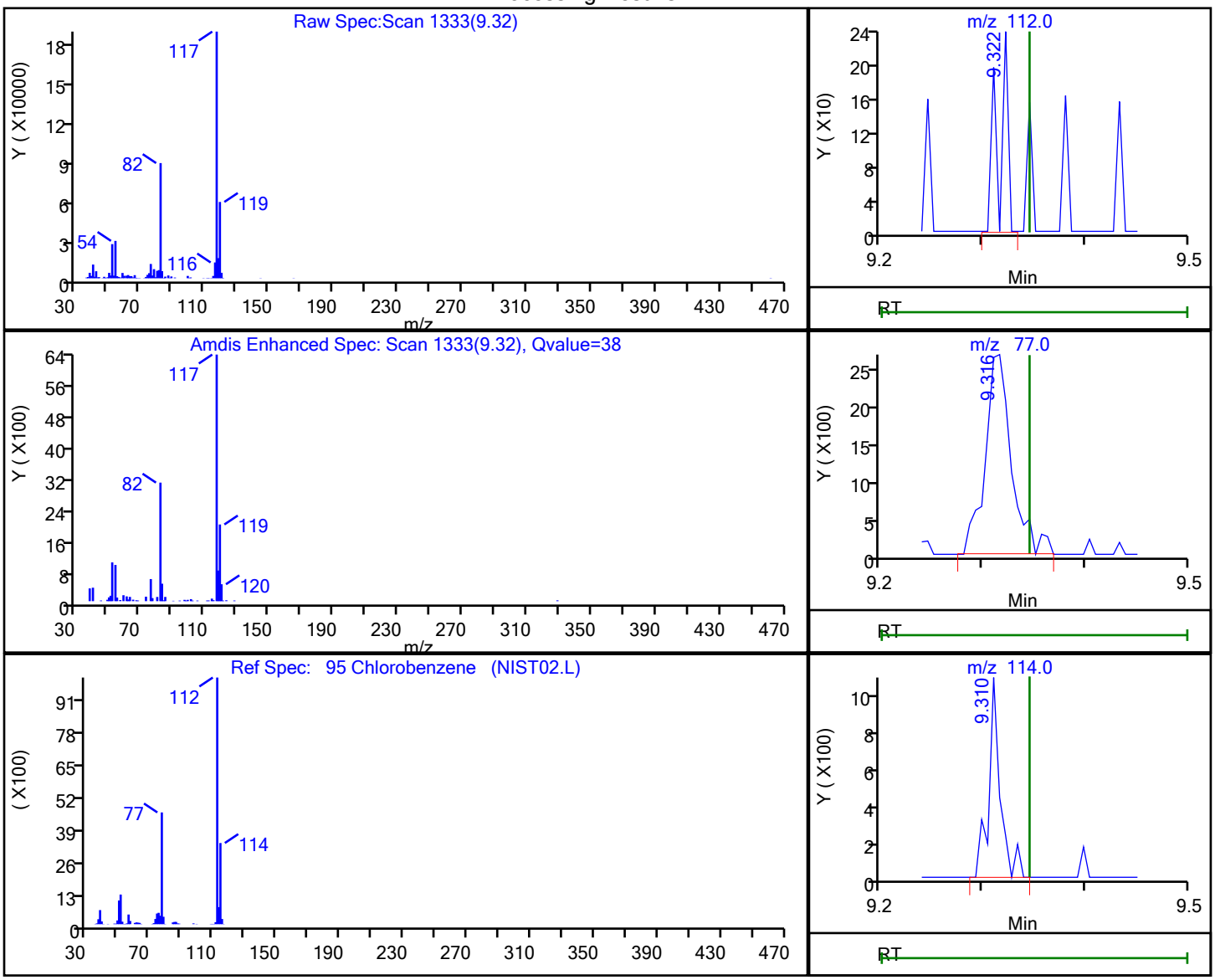
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
9.32	112.00	150	0.019777
9.32	77.00	4829	
9.31	114.00	795	

Reviewer: NN6A, 02-Mar-2025 20:32:14 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

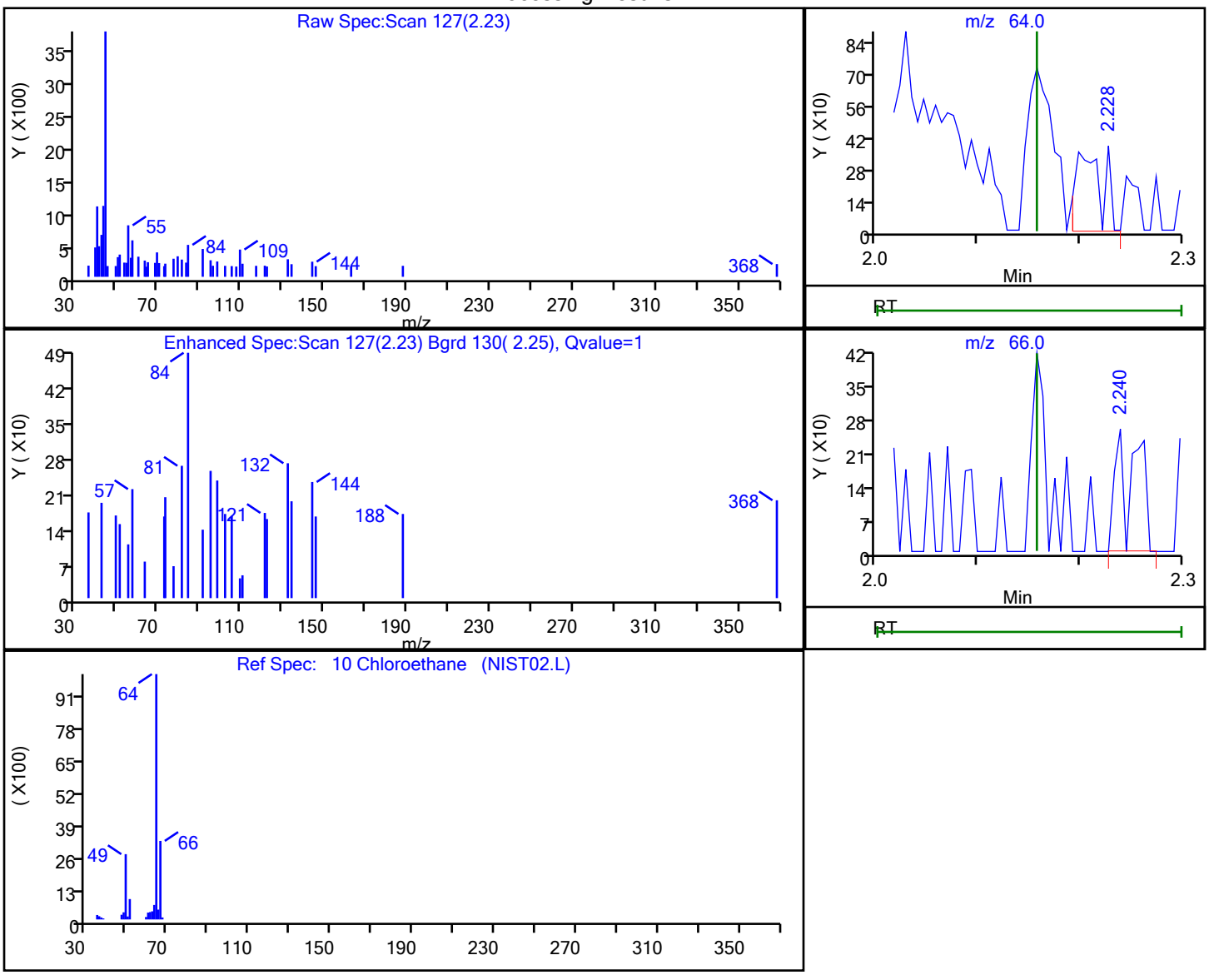
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.23	64.00	634	0.245709
2.24	66.00	378	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

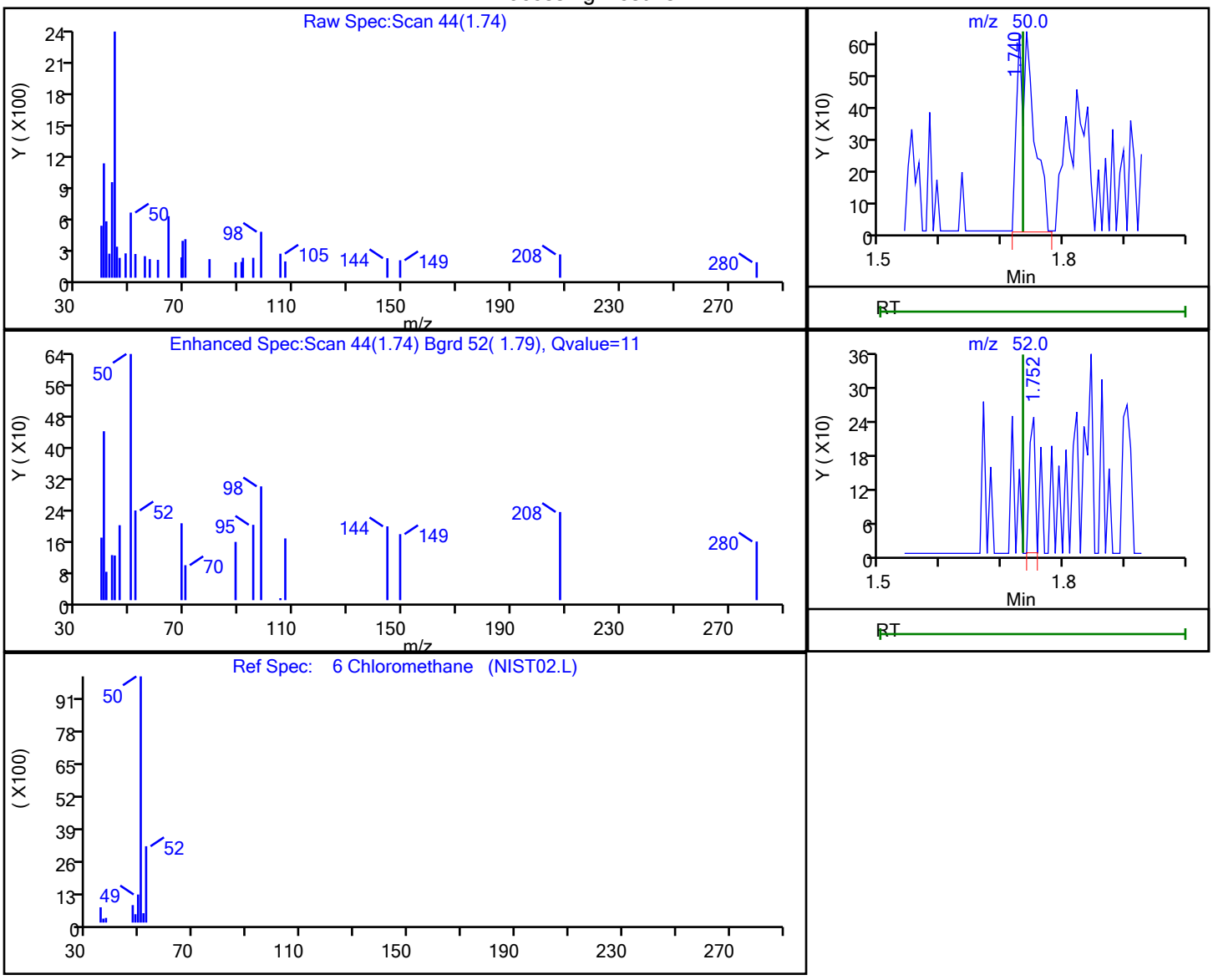
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.74	50.00	1171	0.336449
1.75	52.00	157	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

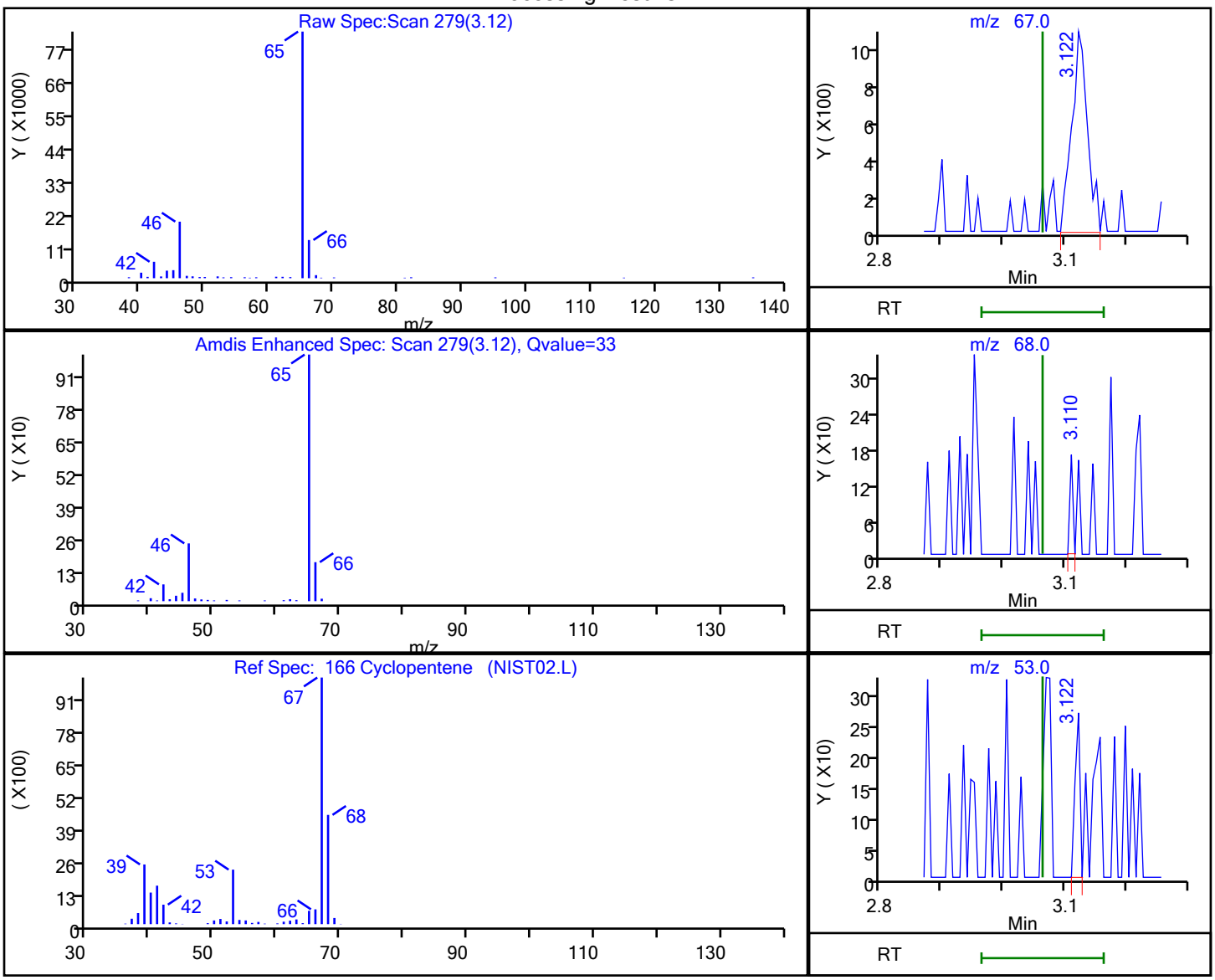
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

166 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
3.12	67.00	1797	0.268140
3.11	68.00	59	
3.12	53.00	148	

Reviewer: NN6A, 02-Mar-2025 20:31:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

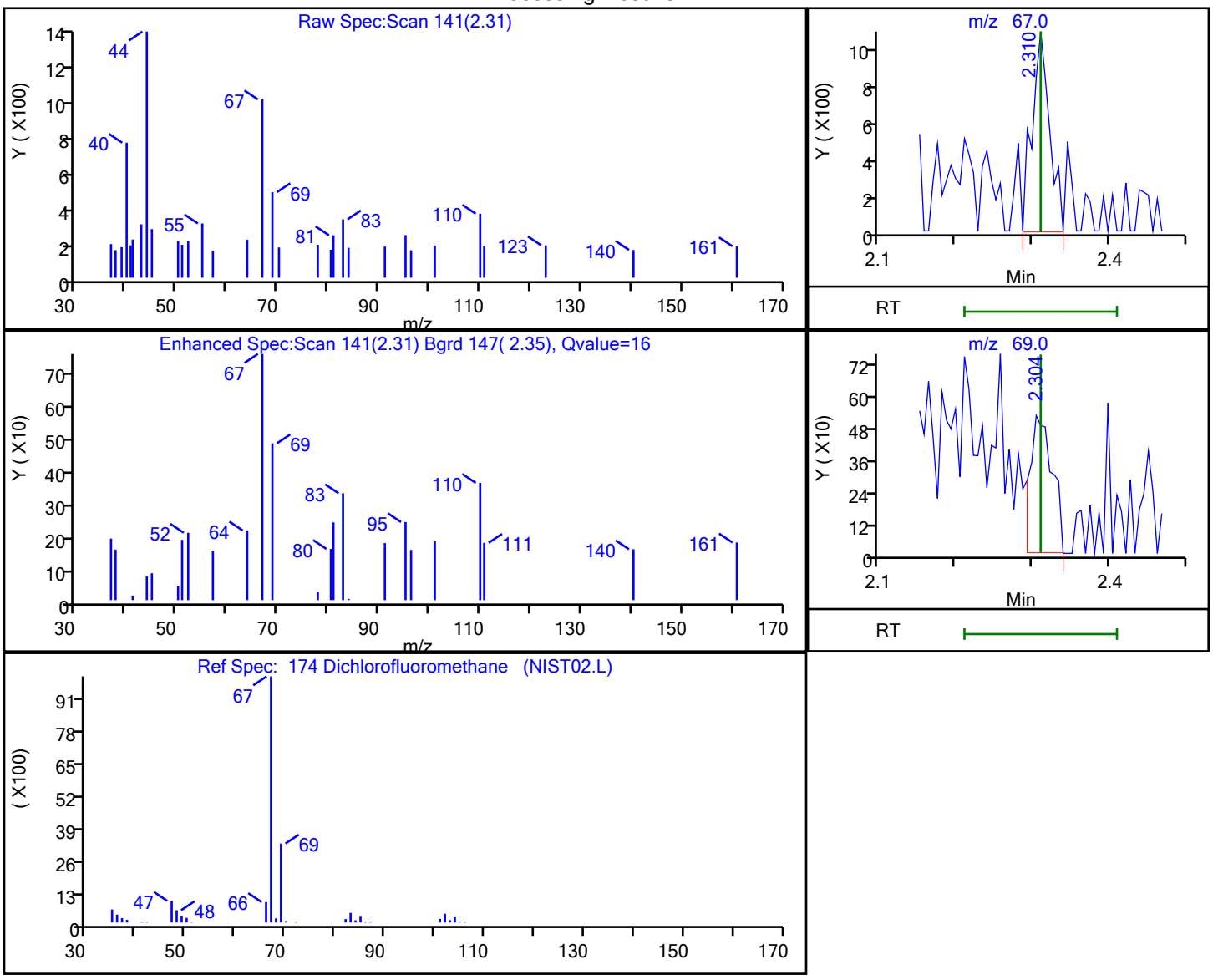
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

174 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.31	67.00	1611	0.292061
2.30	69.00	1054	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

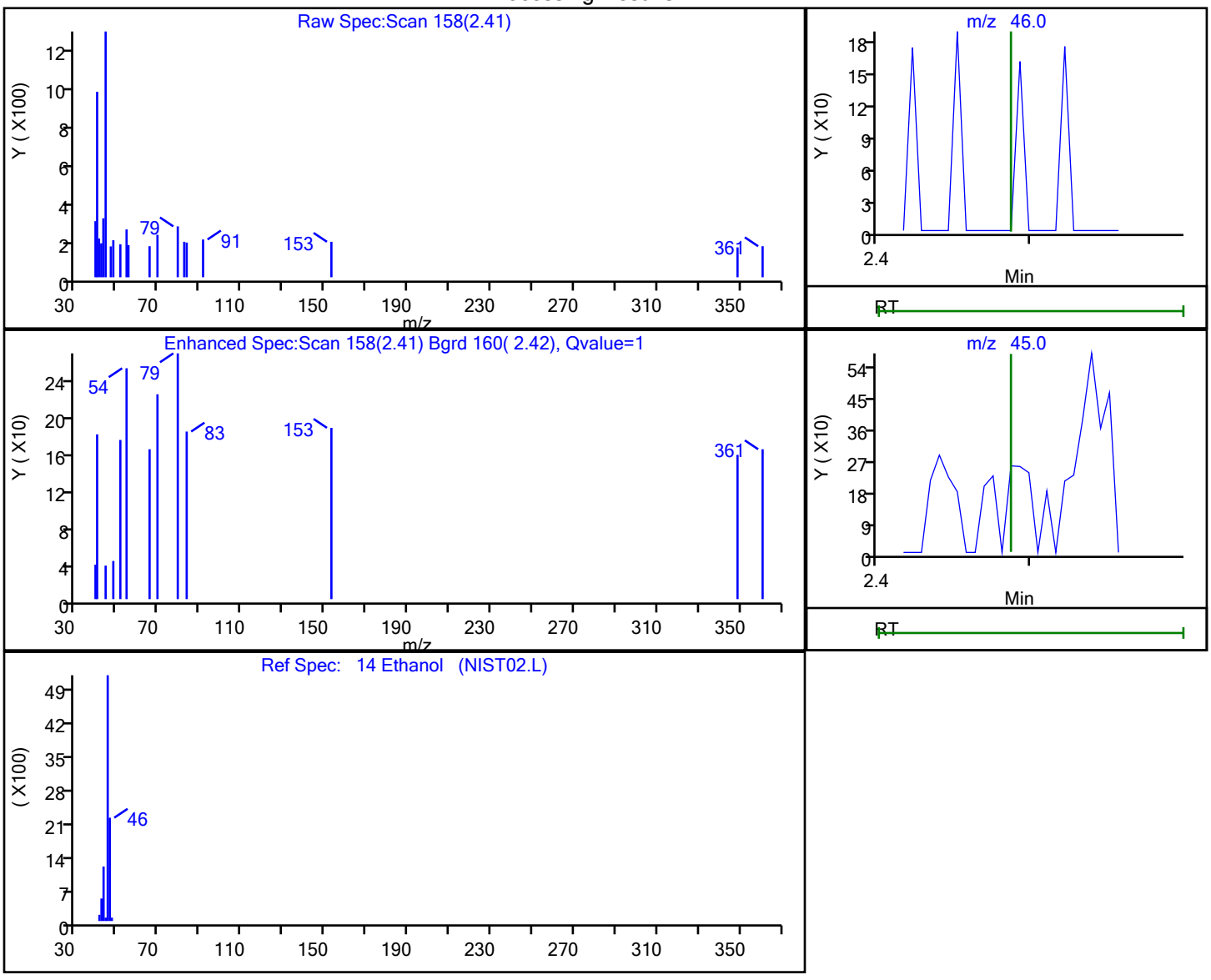
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D				
Injection Date:	01-Mar-2025 16:06:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

14 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
2.41	46.00	109	14.878534
2.40	45.00	104	

Reviewer: NN6A, 02-Mar-2025 20:31:37 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

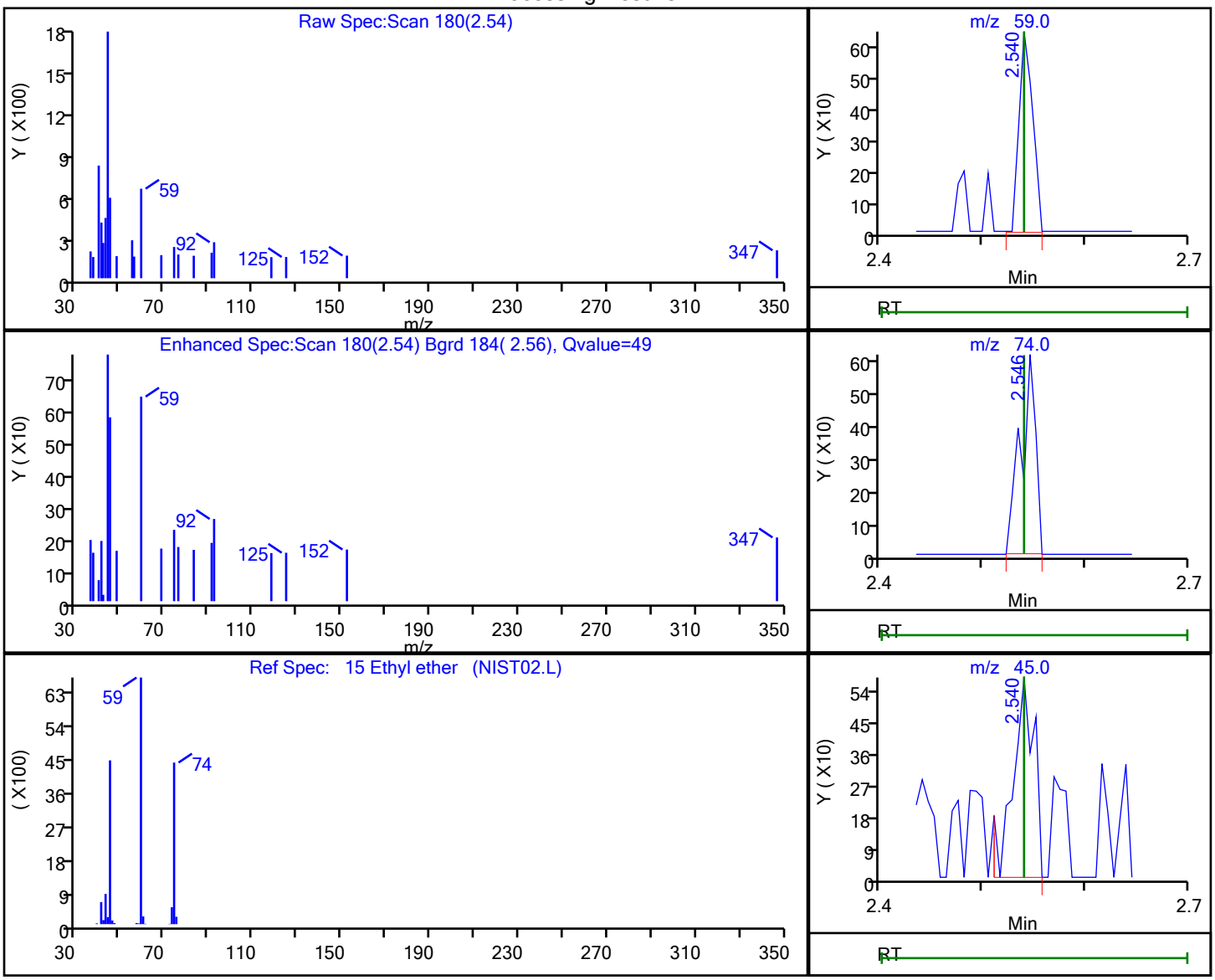
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.54	59.00	594	0.308782
2.55	74.00	625	
2.54	45.00	845	

Reviewer: NN6A, 02-Mar-2025 20:31:37 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

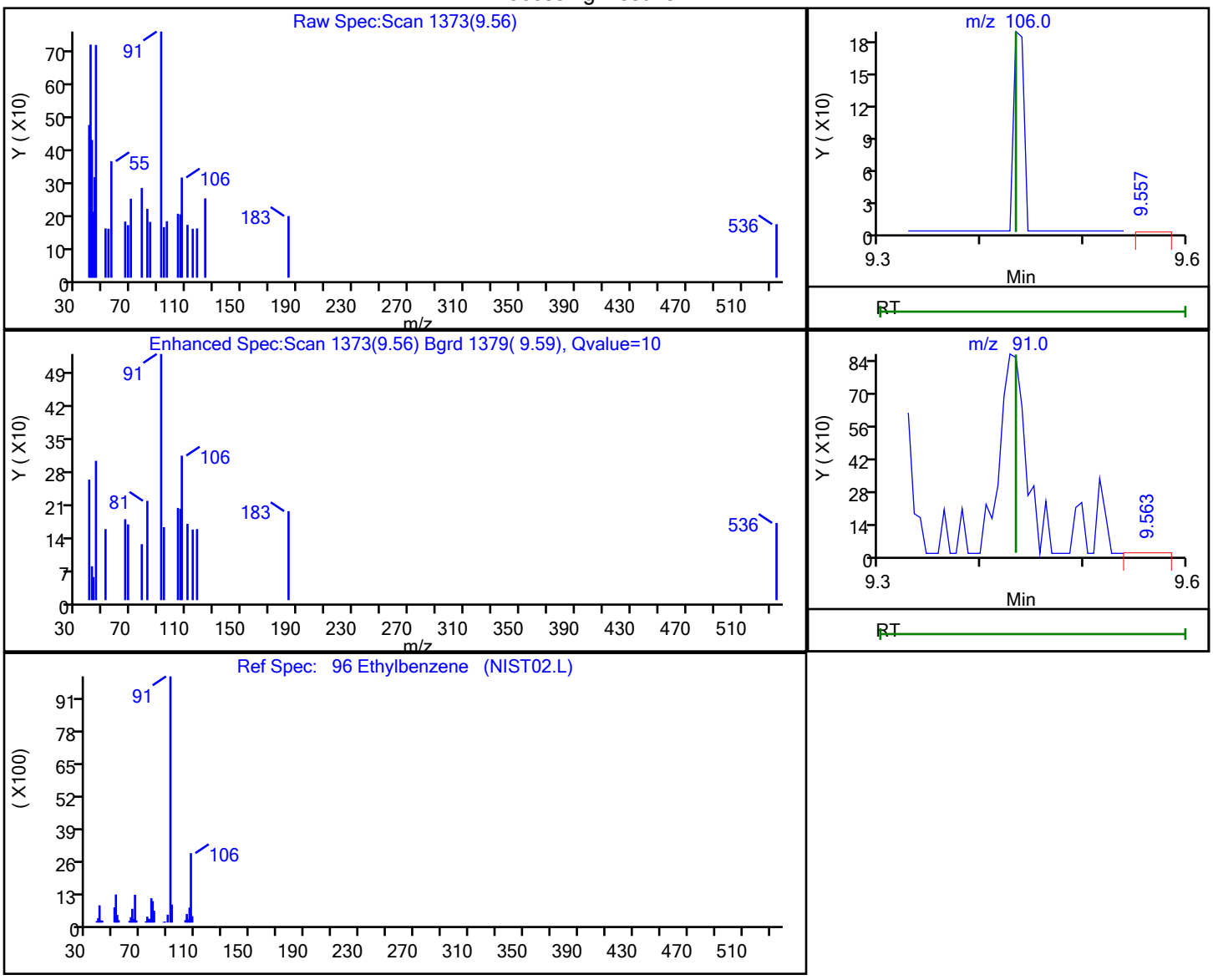
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

96 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
9.56	106.00	322	0.076023
9.56	91.00	1164	

Reviewer: NN6A, 02-Mar-2025 20:32:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

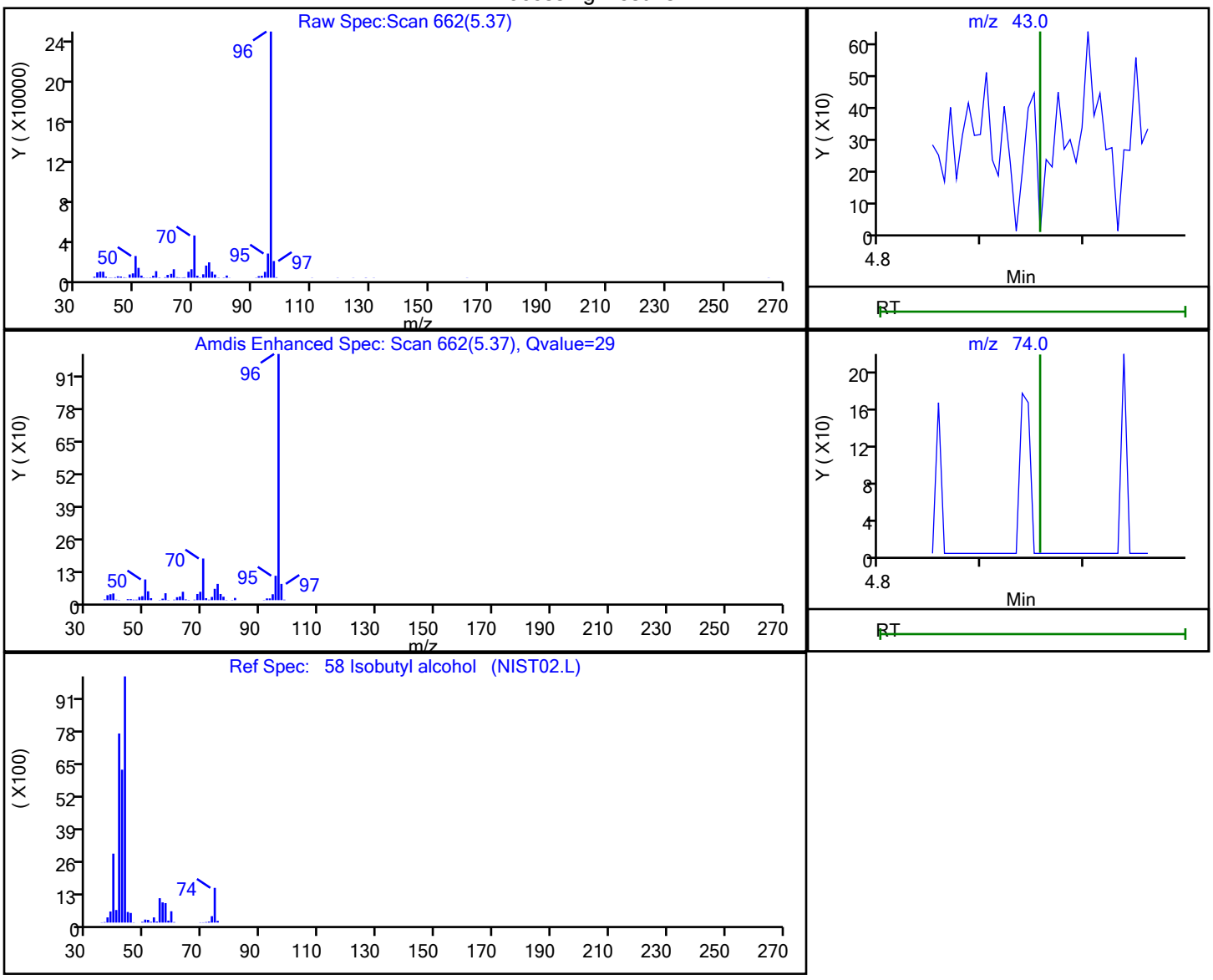
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Processing Results



RT	Mass	Response	Amount
5.37	43.00	342	1.646563
5.37	74.00	24720	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

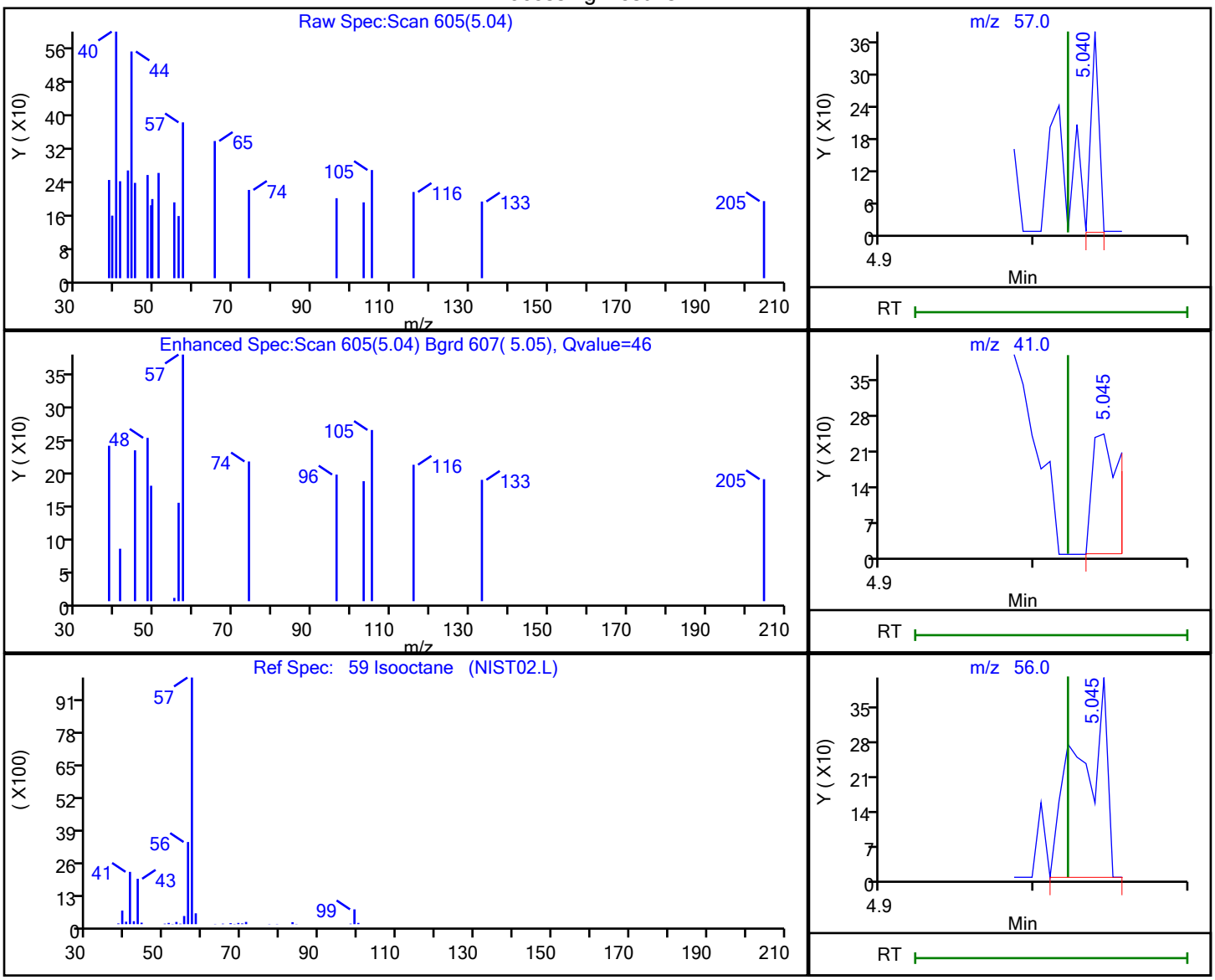
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
5.04	57.00	133	0.026033
5.05	41.00	294	
5.05	56.00	512	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

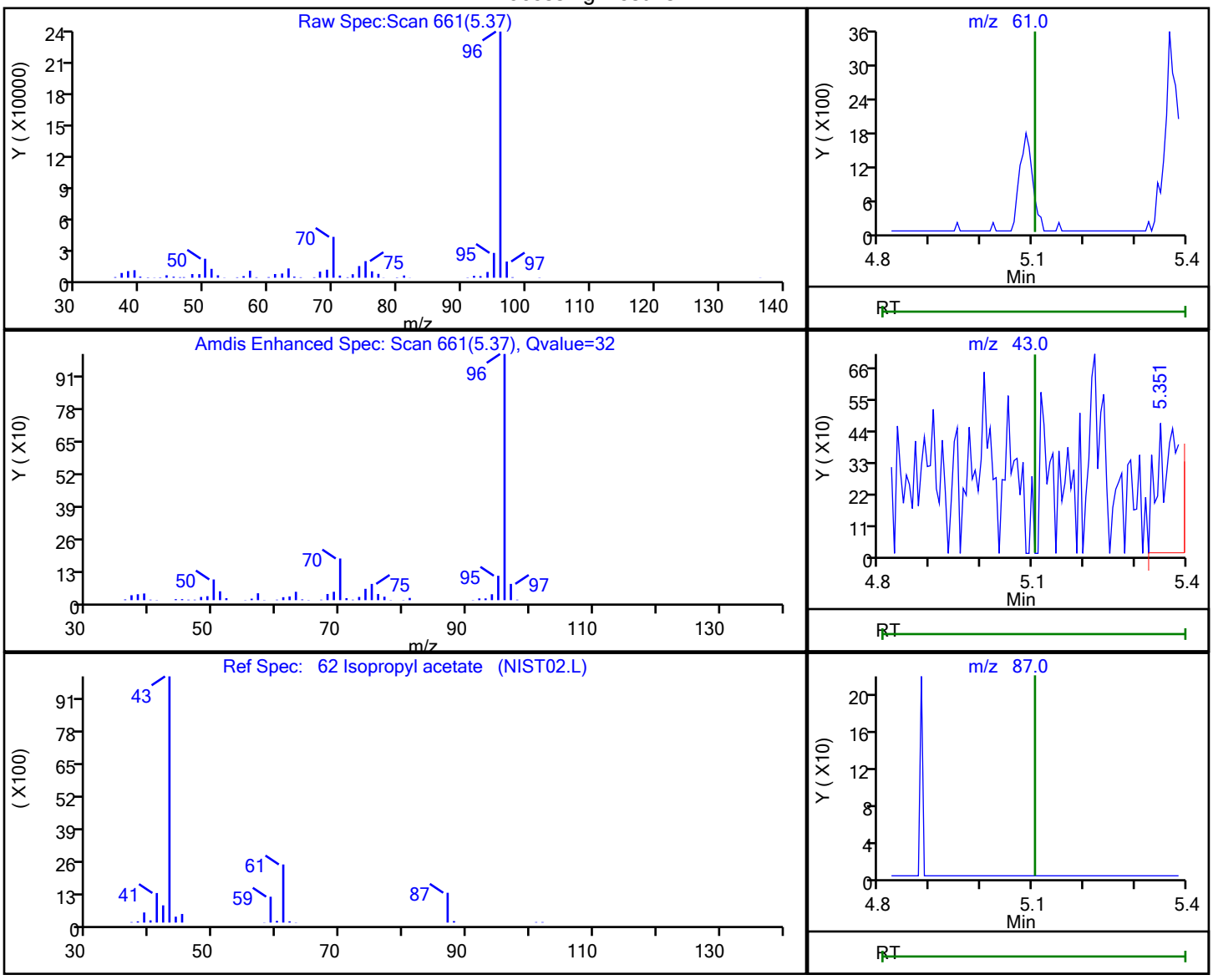
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
5.37	61.00	6355	4.967016
5.35	43.00	1288	
5.10	87.00	0	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

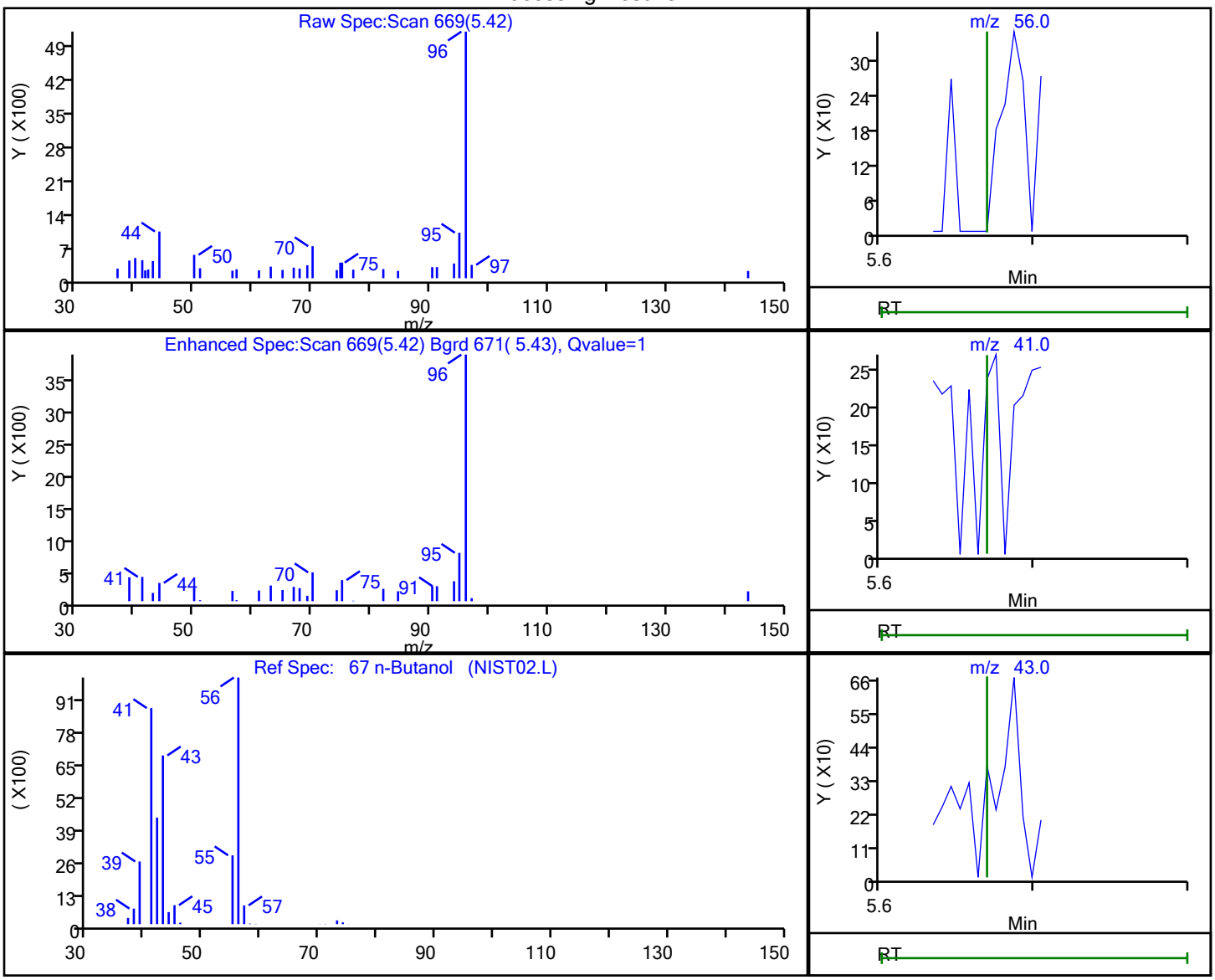
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
5.42	56.00	56	-8.148073
5.42	41.00	410	
5.42	43.00	454	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

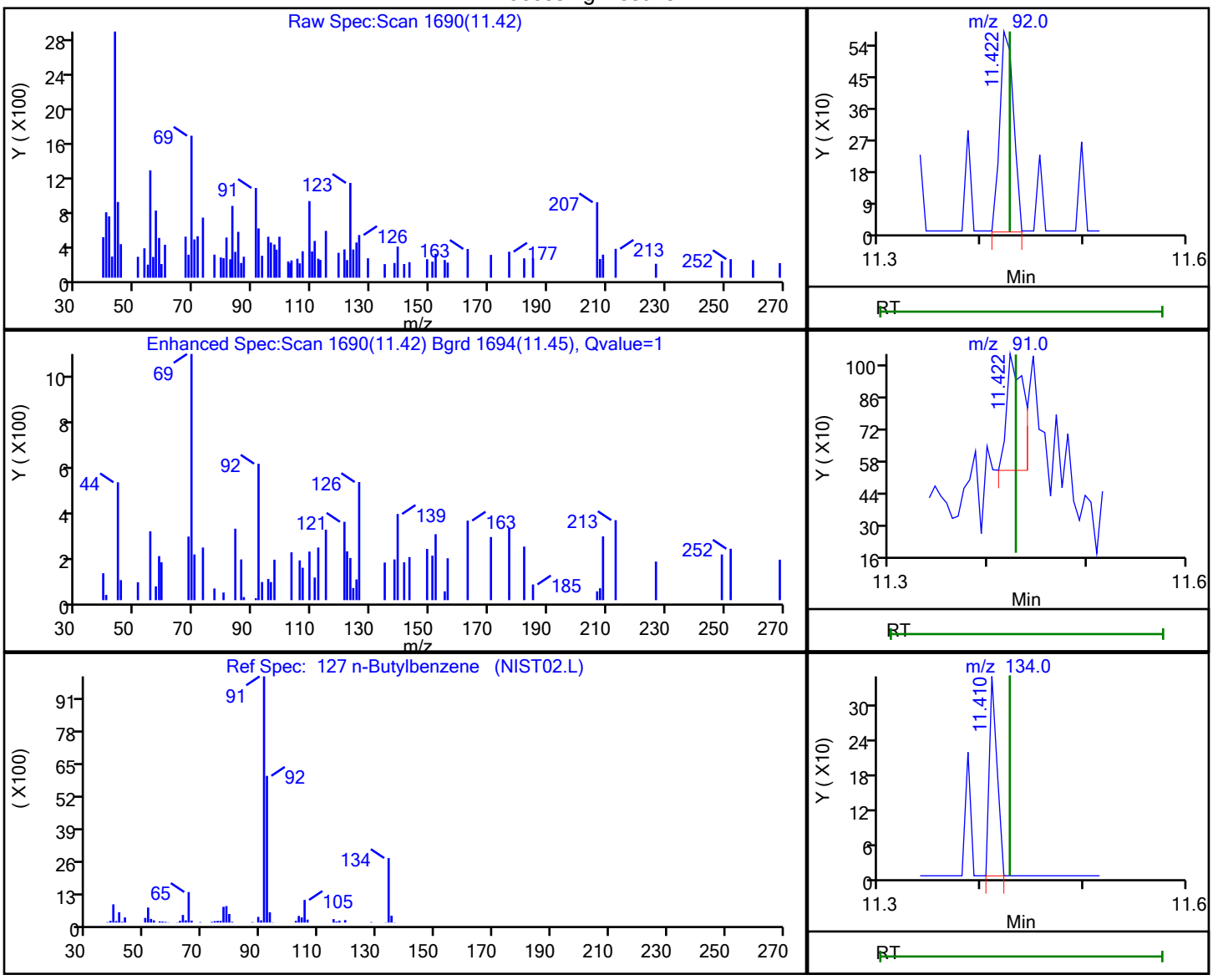
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.42	92.00	534	183.1653
11.42	91.00	607	
11.41	134.00	179	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

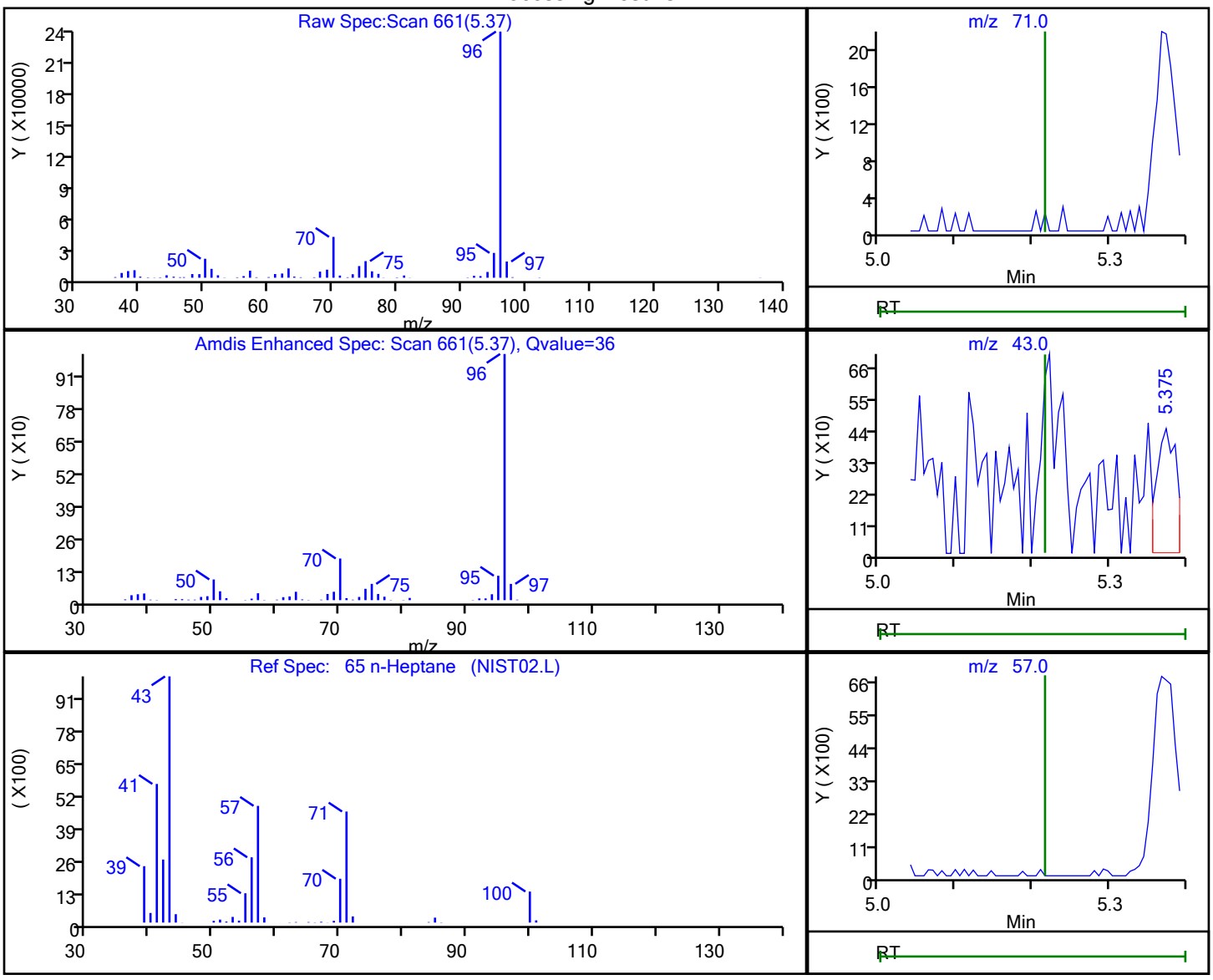
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.37	71.00	3933	2.540229
5.37	43.00	782	
5.37	57.00	15501	

Reviewer: NN6A, 02-Mar-2025 20:32:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

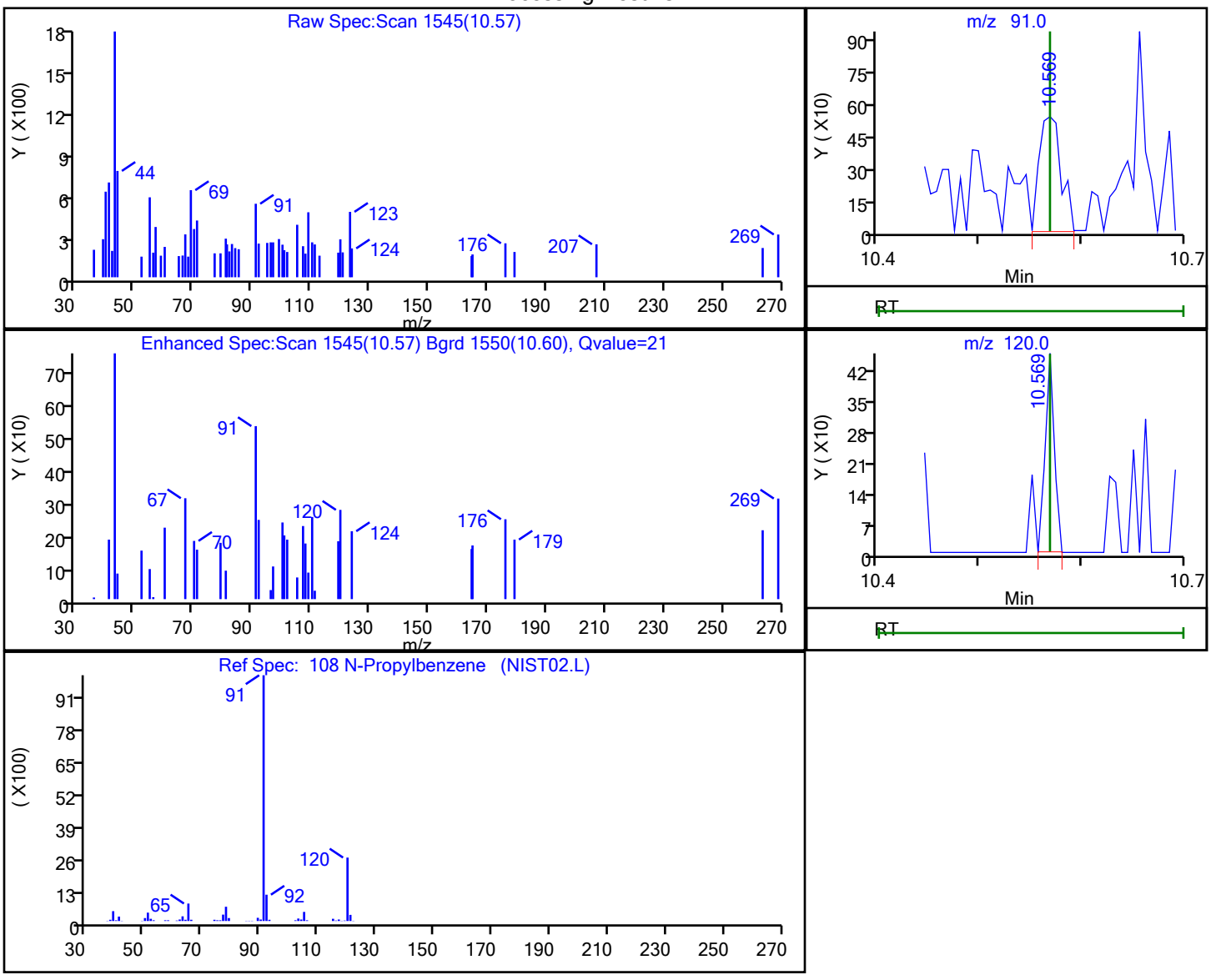
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
10.57	91.00	802	183.2170
10.57	120.00	288	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

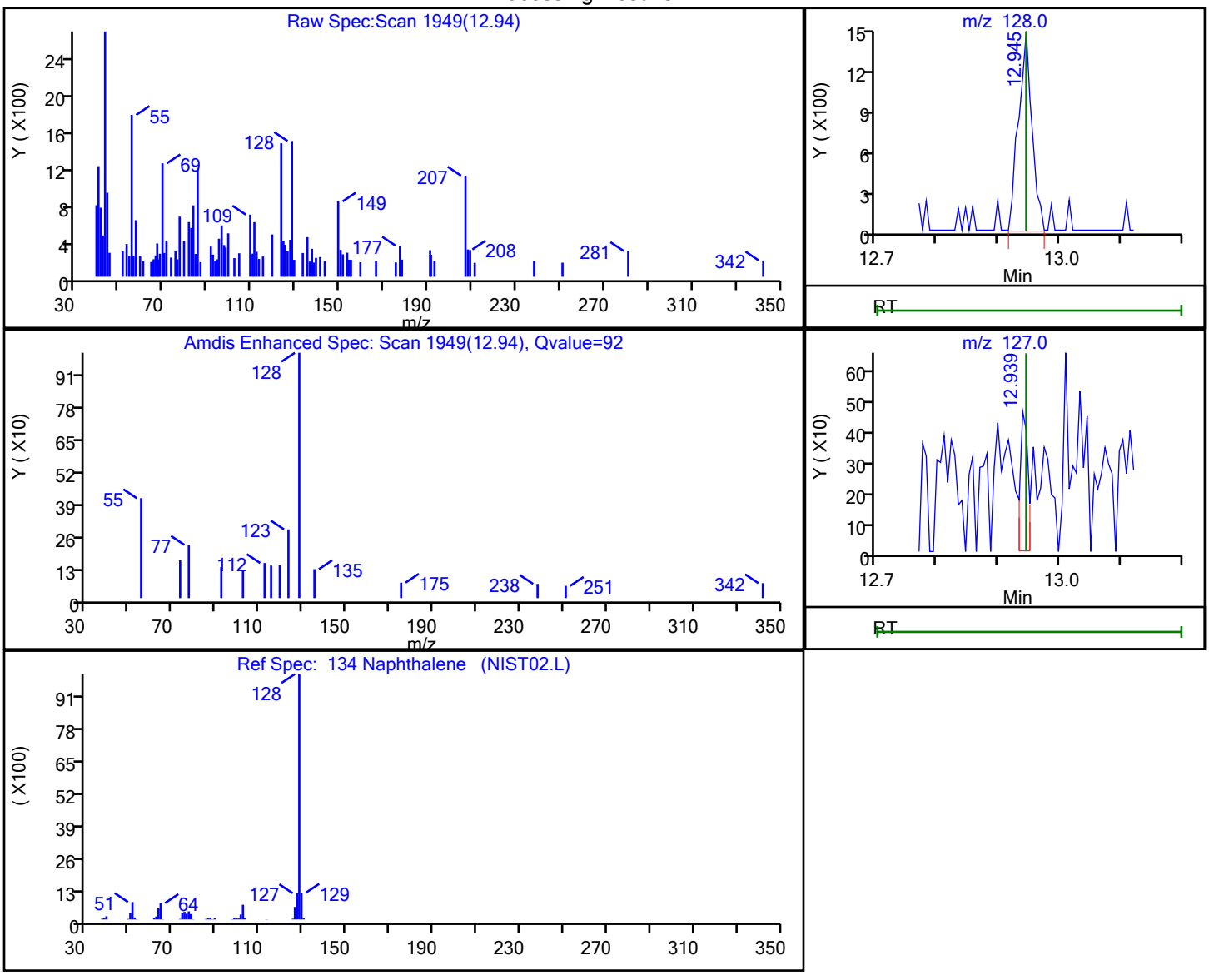
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
12.94	128.00	2235	183.2013
12.94	127.00	419	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

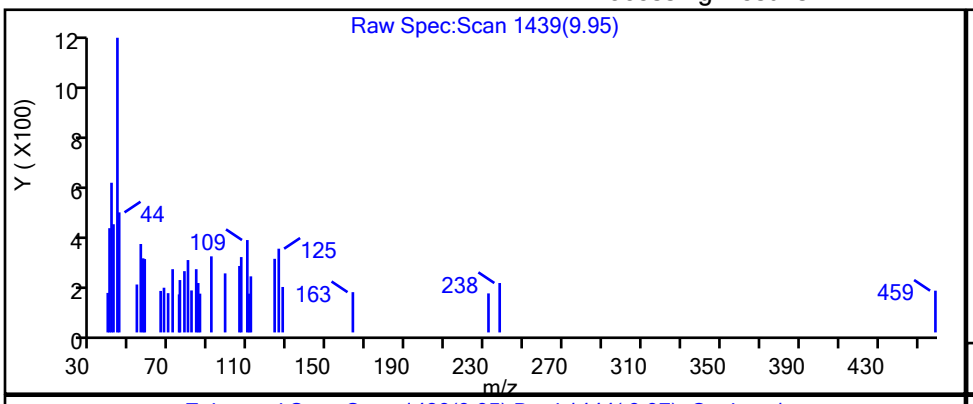
User Disabled Compound Report

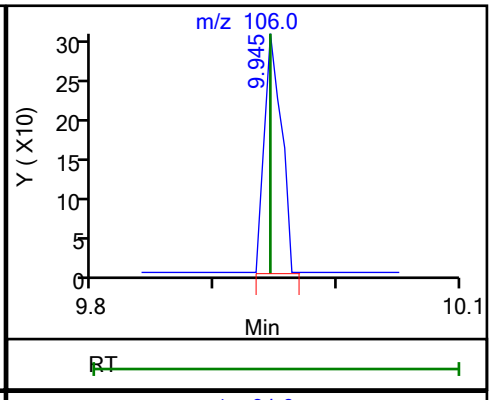
Eurofins Edison

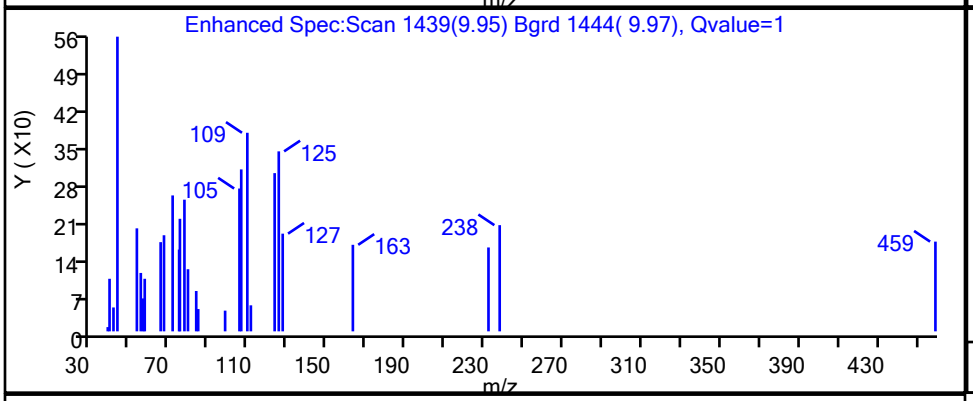
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

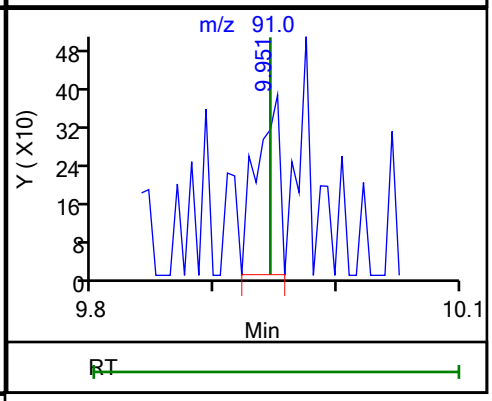
100 o-Xylene, CAS: 95-47-6

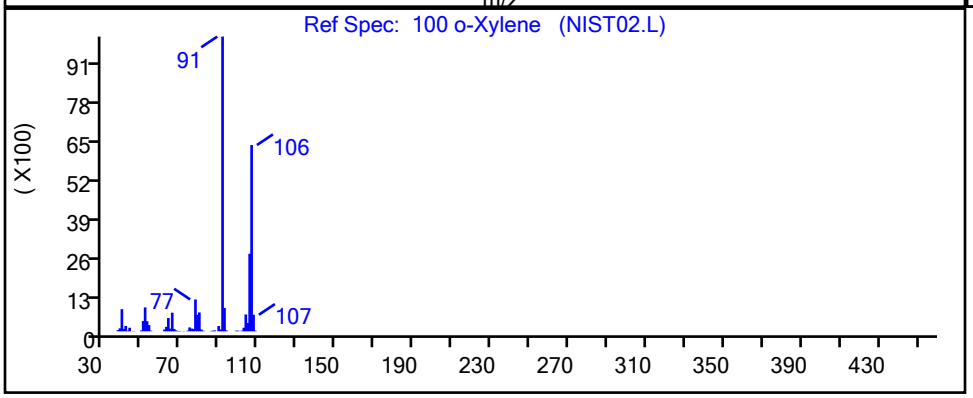
Processing Results











RT	Mass	Response	Amount
9.95	106.00	296	0.059428
9.95	91.00	502	

Reviewer: NN6A, 02-Mar-2025 20:32:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

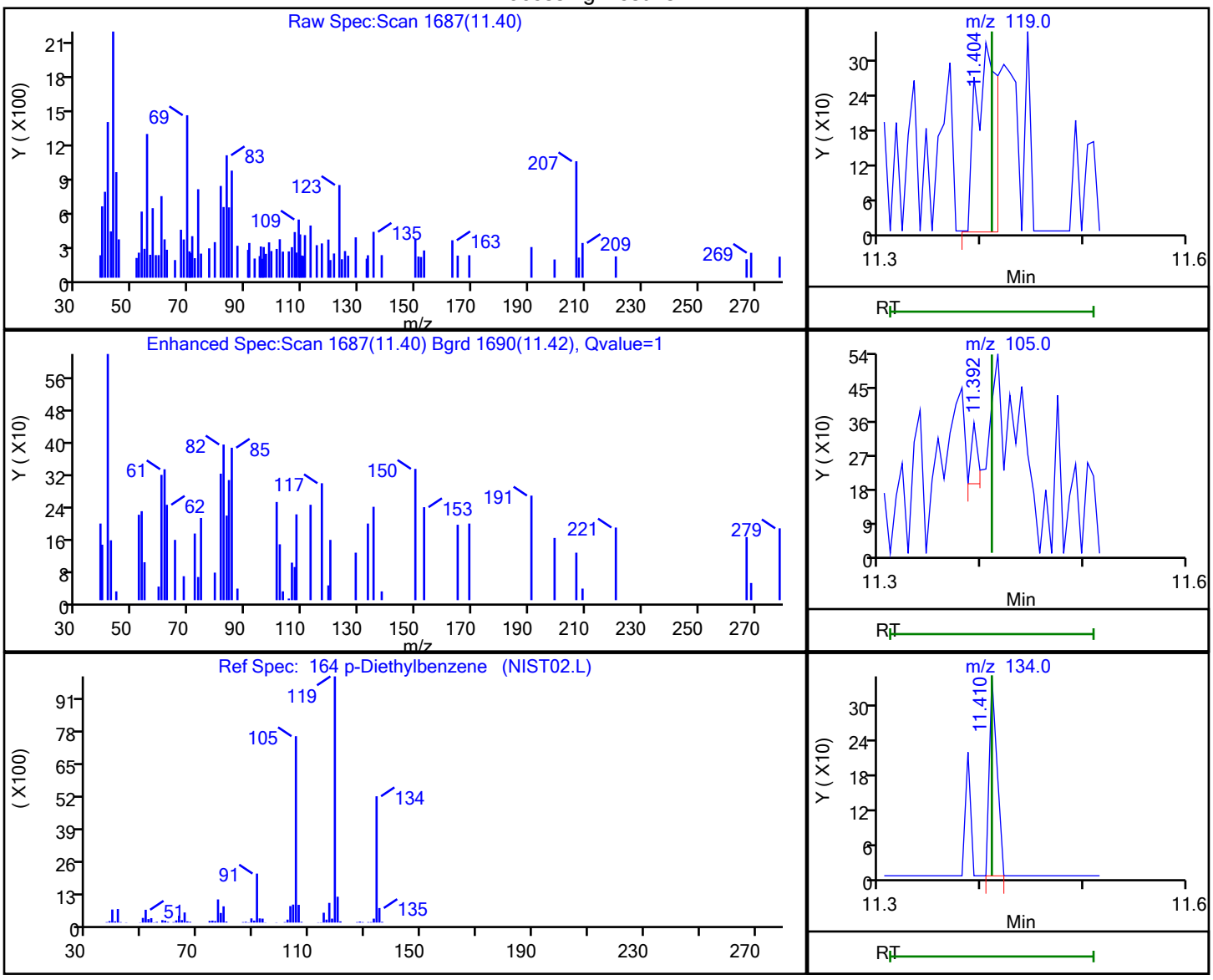
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

164 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.40	119.00	464	183.2093
11.39	105.00	69	
11.41	134.00	179	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

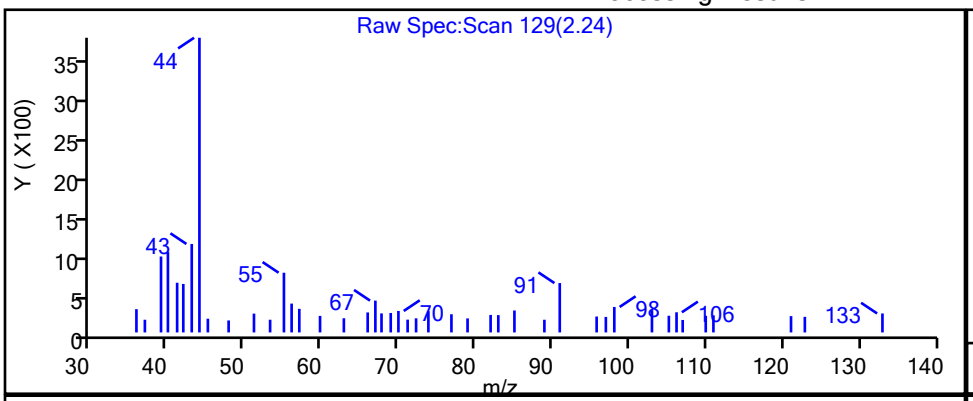
User Disabled Compound Report

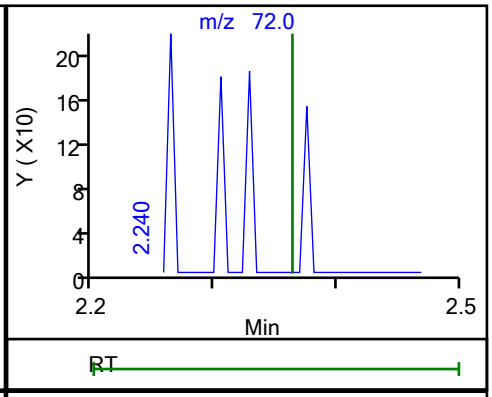
Eurofins Edison

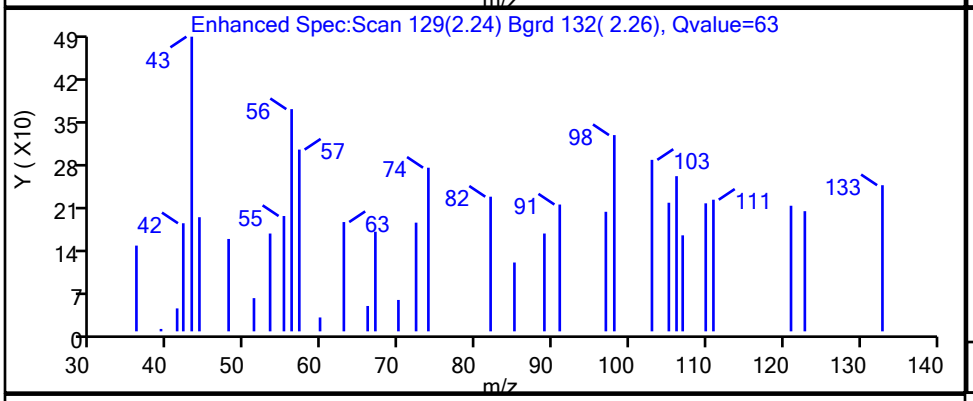
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

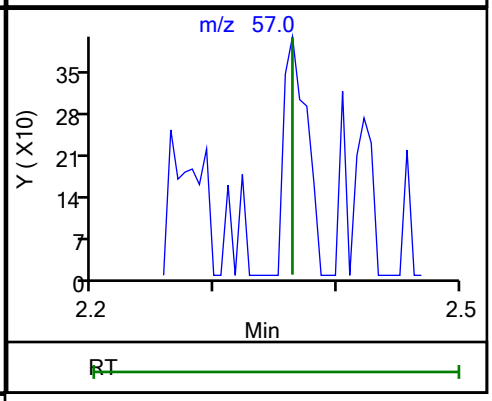
13 Pentane, CAS: 109-66-0

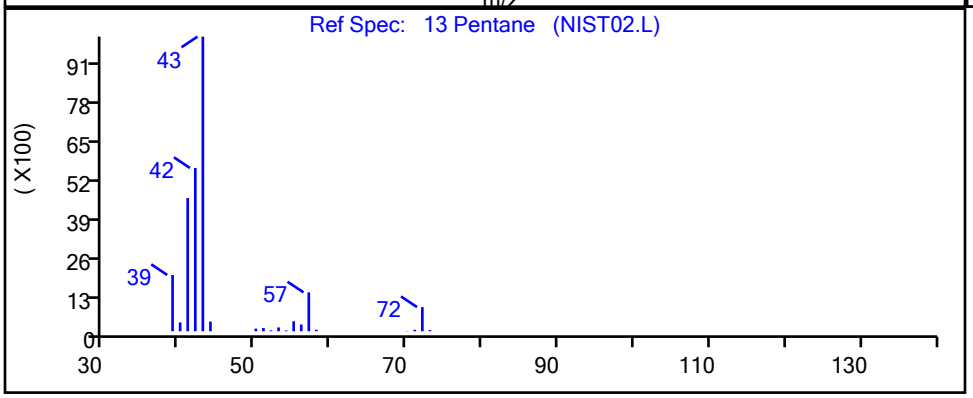
Processing Results











RT	Mass	Response	Amount
2.24	72.00	120	0.207660
2.23	57.00	1715	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

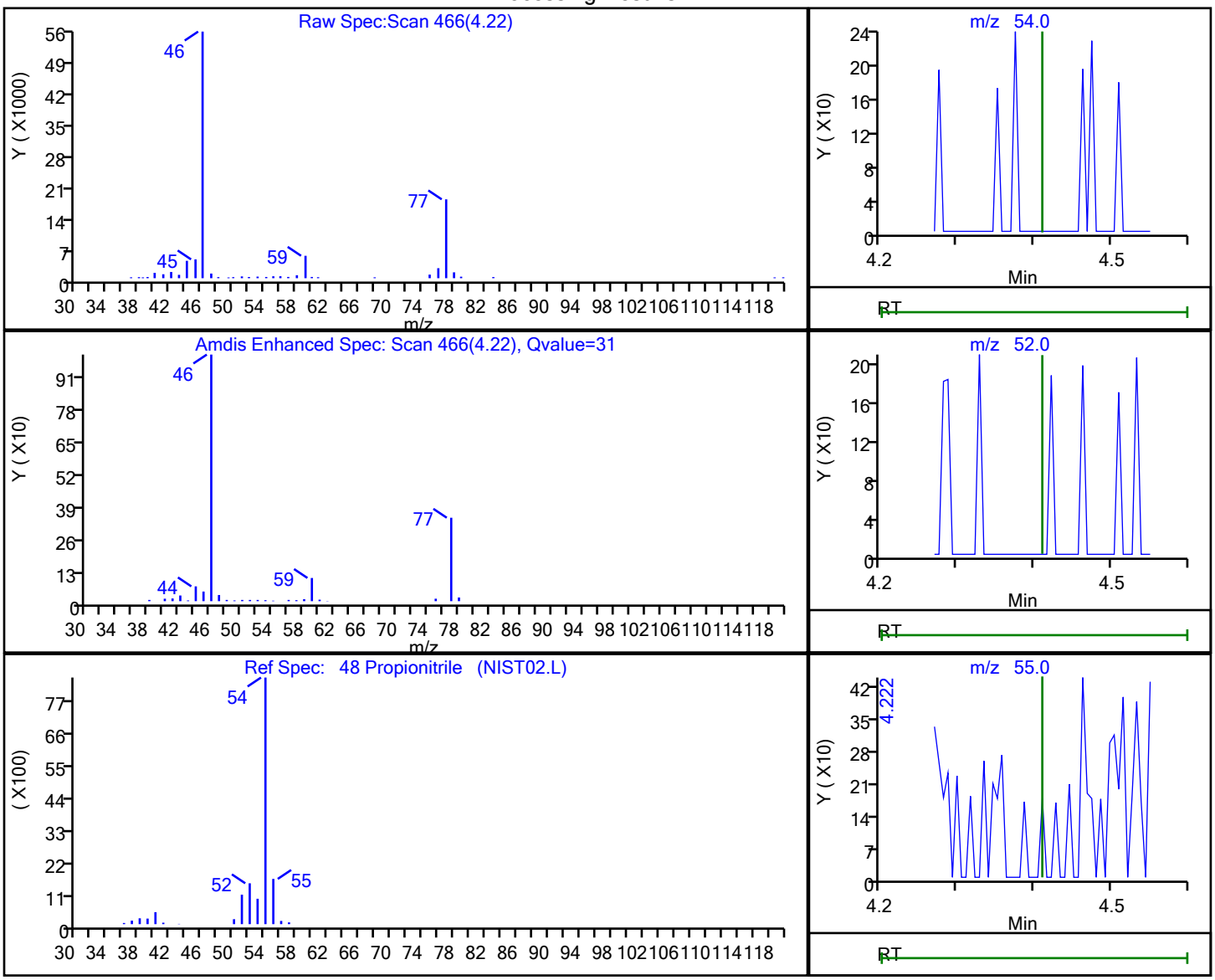
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.22	54.00	514	2.341692
4.21	52.00	664	
4.22	55.00	480	

Reviewer: NN6A, 02-Mar-2025 20:32:02 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

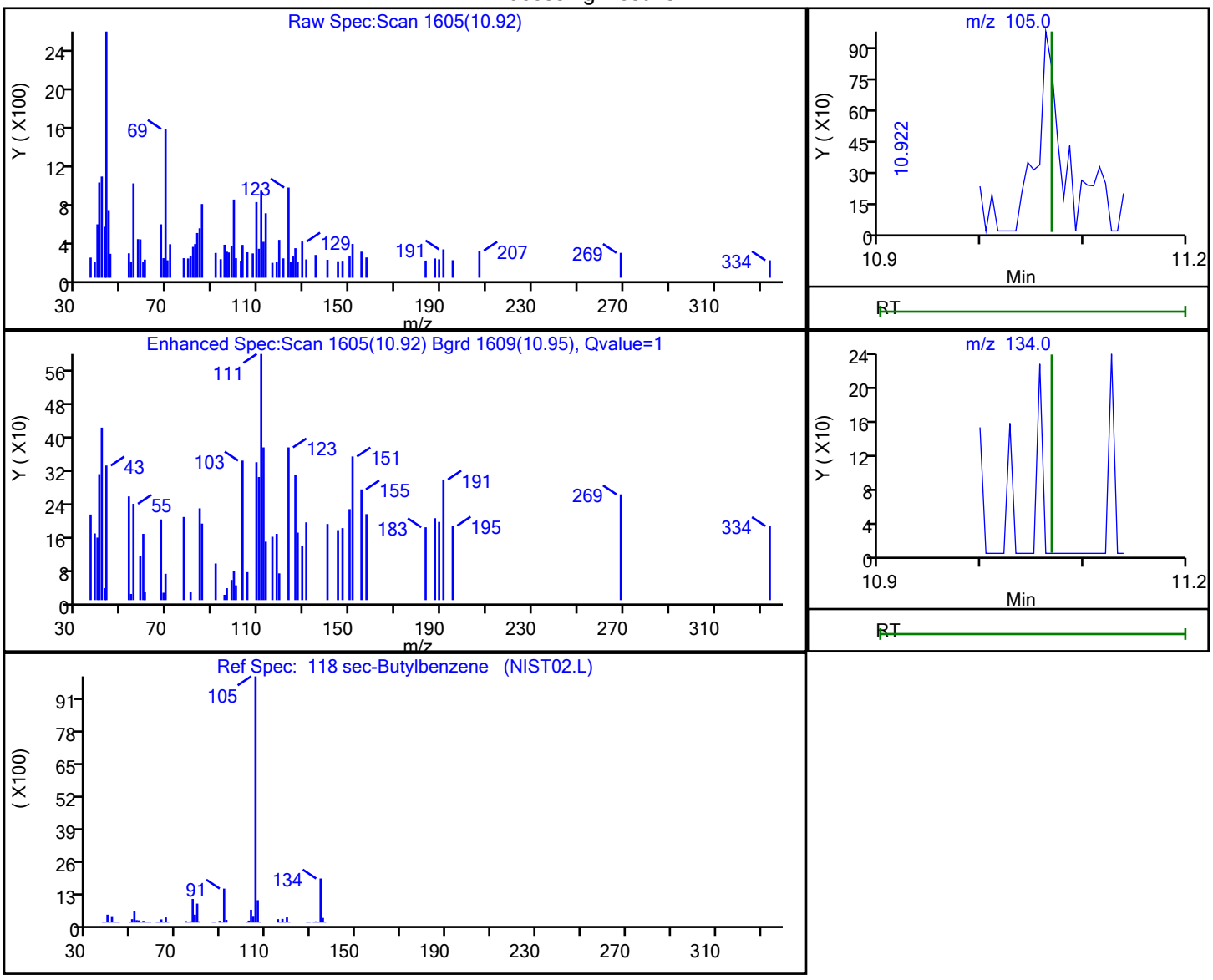
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D				
Injection Date:	01-Mar-2025 16:06:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
10.92	105.00	320	
10.92	134.00	263	183.2110

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

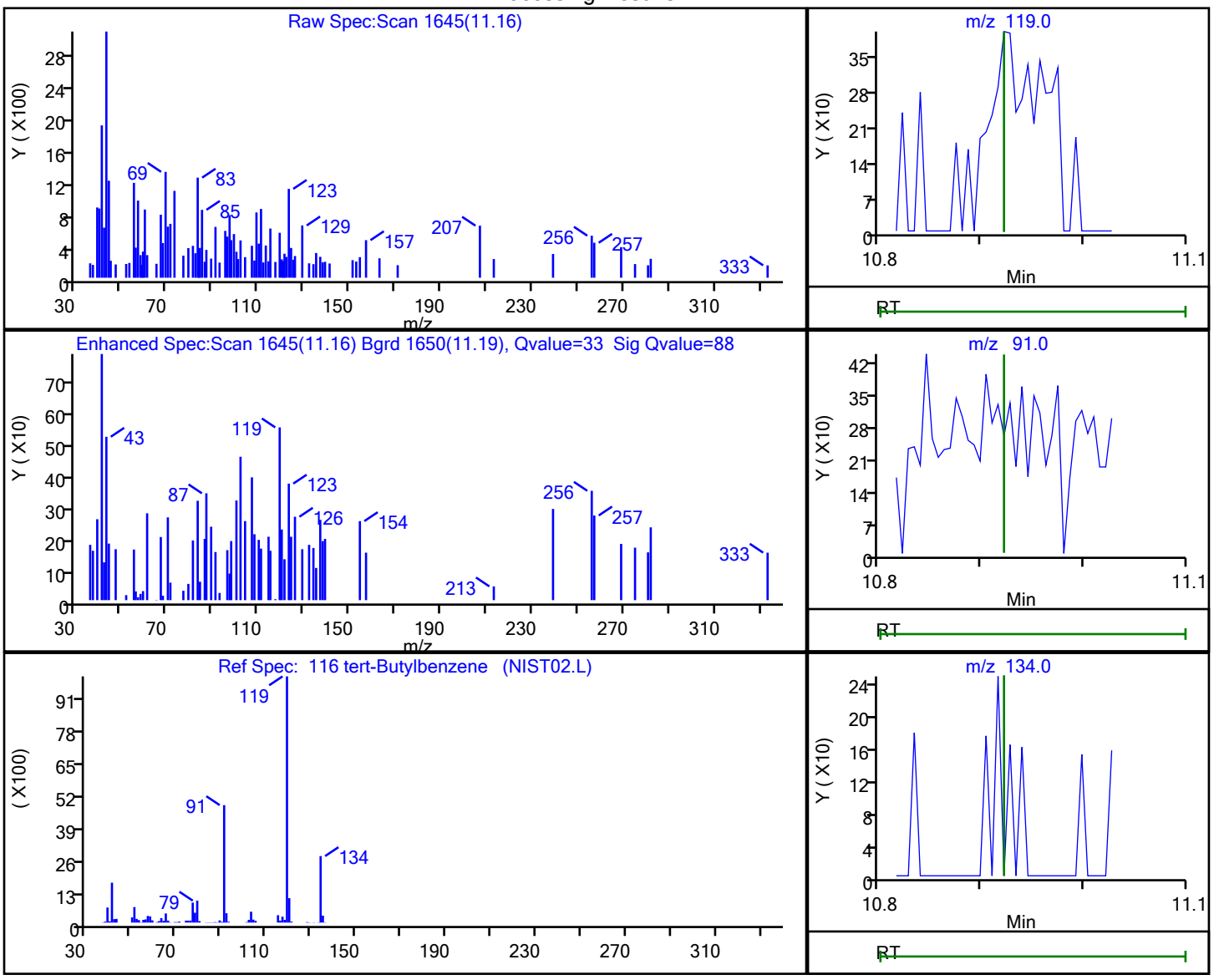
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
11.16	119.00	659	0.070830
11.16	91.00	508	
11.16	134.00	194	

Reviewer: NN6A, 02-Mar-2025 20:32:34 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

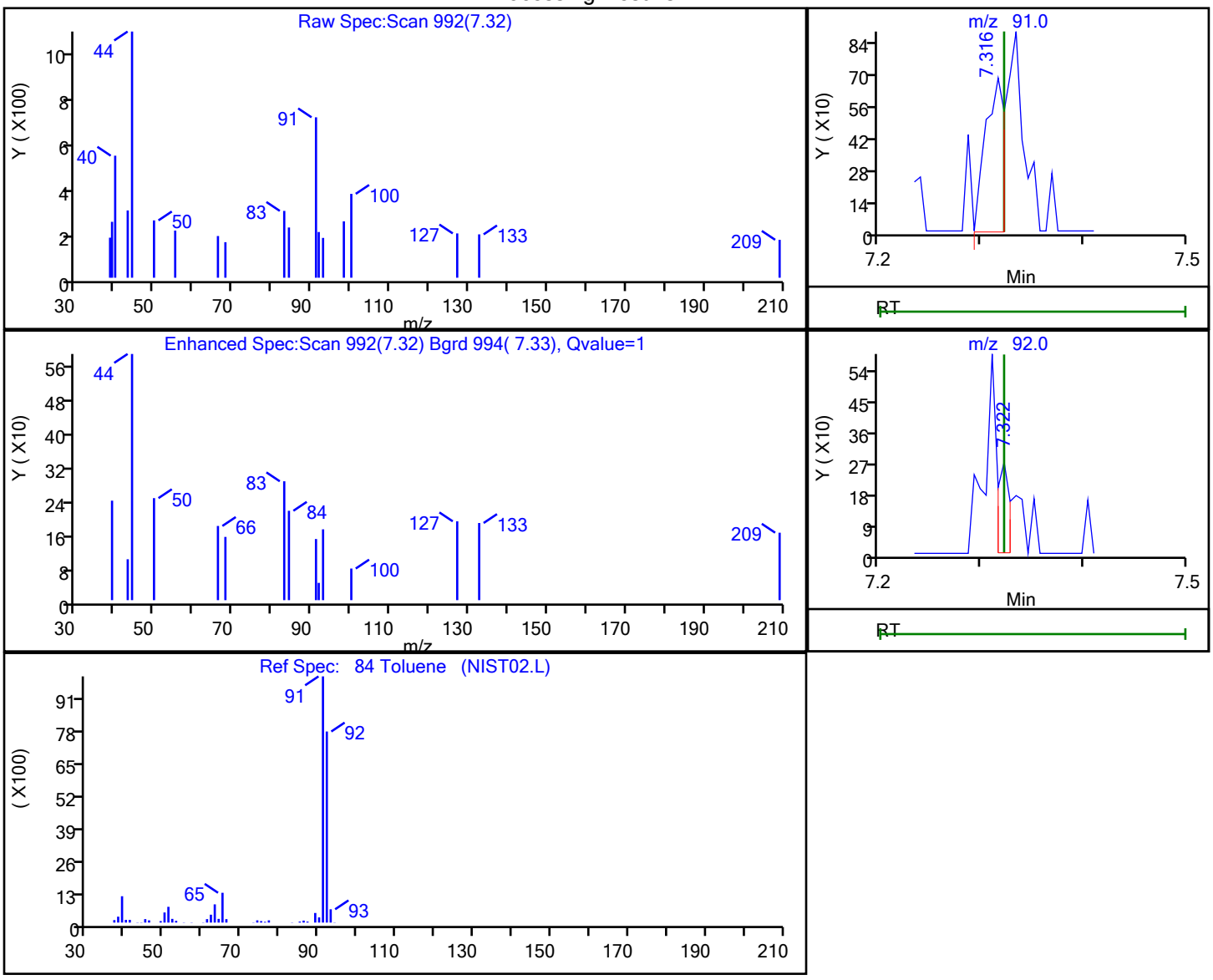
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

84 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
7.32	91.00	875	0.076700
7.32	92.00	216	

Reviewer: NN6A, 02-Mar-2025 20:32:09 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

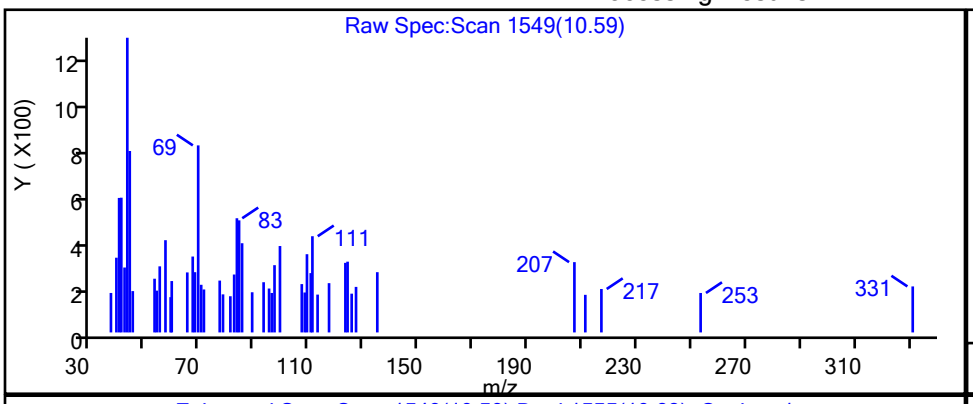
User Disabled Compound Report

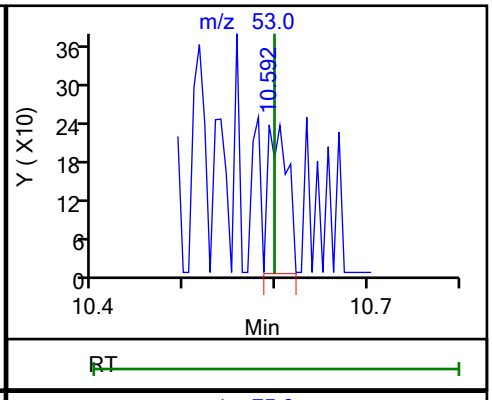
Eurofins Edison

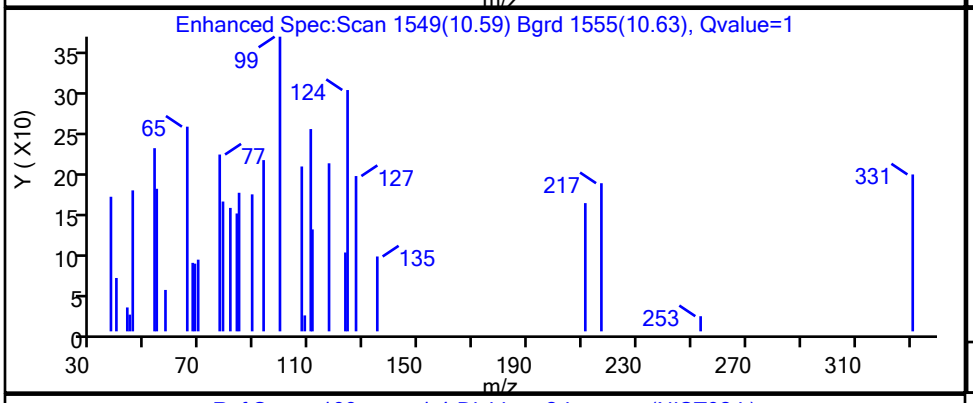
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

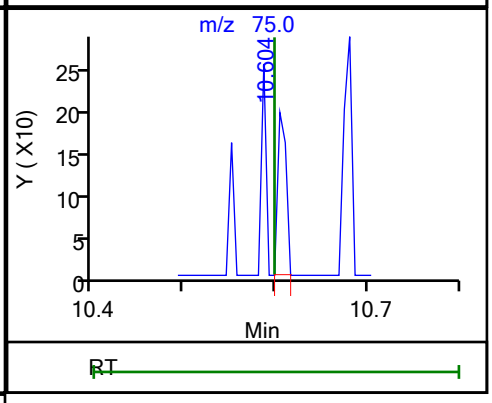
109 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

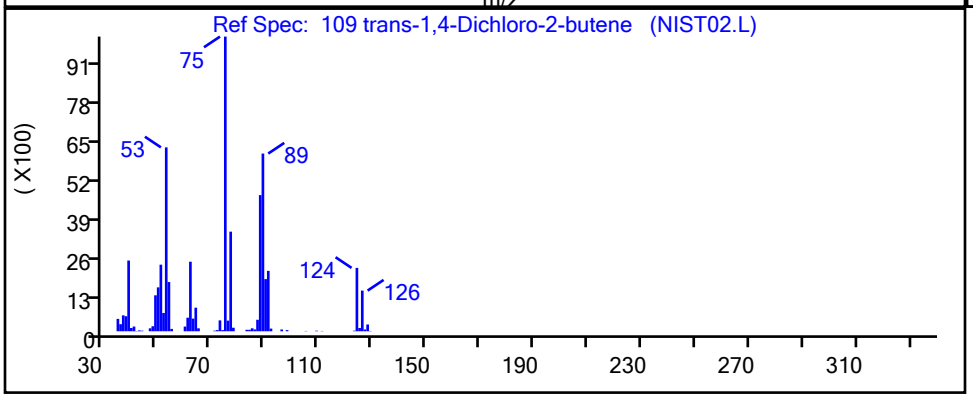
Processing Results











RT	Mass	Response	Amount
10.59	53.00	338	183.2955
10.60	75.00	125	

Reviewer: NN6A, 02-Mar-2025 20:32:33 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

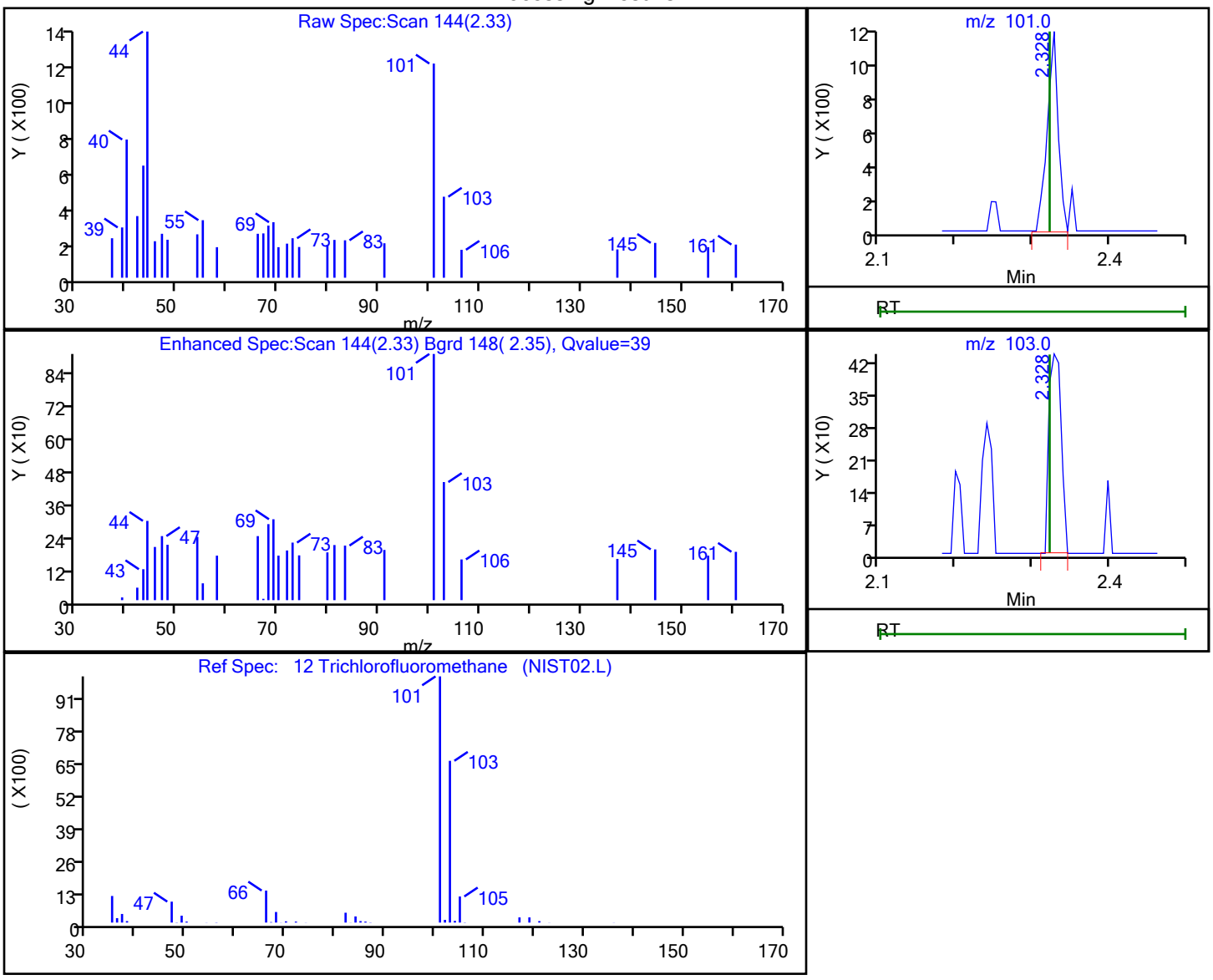
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.33	101.00	1145	0.232776
2.33	103.00	491	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

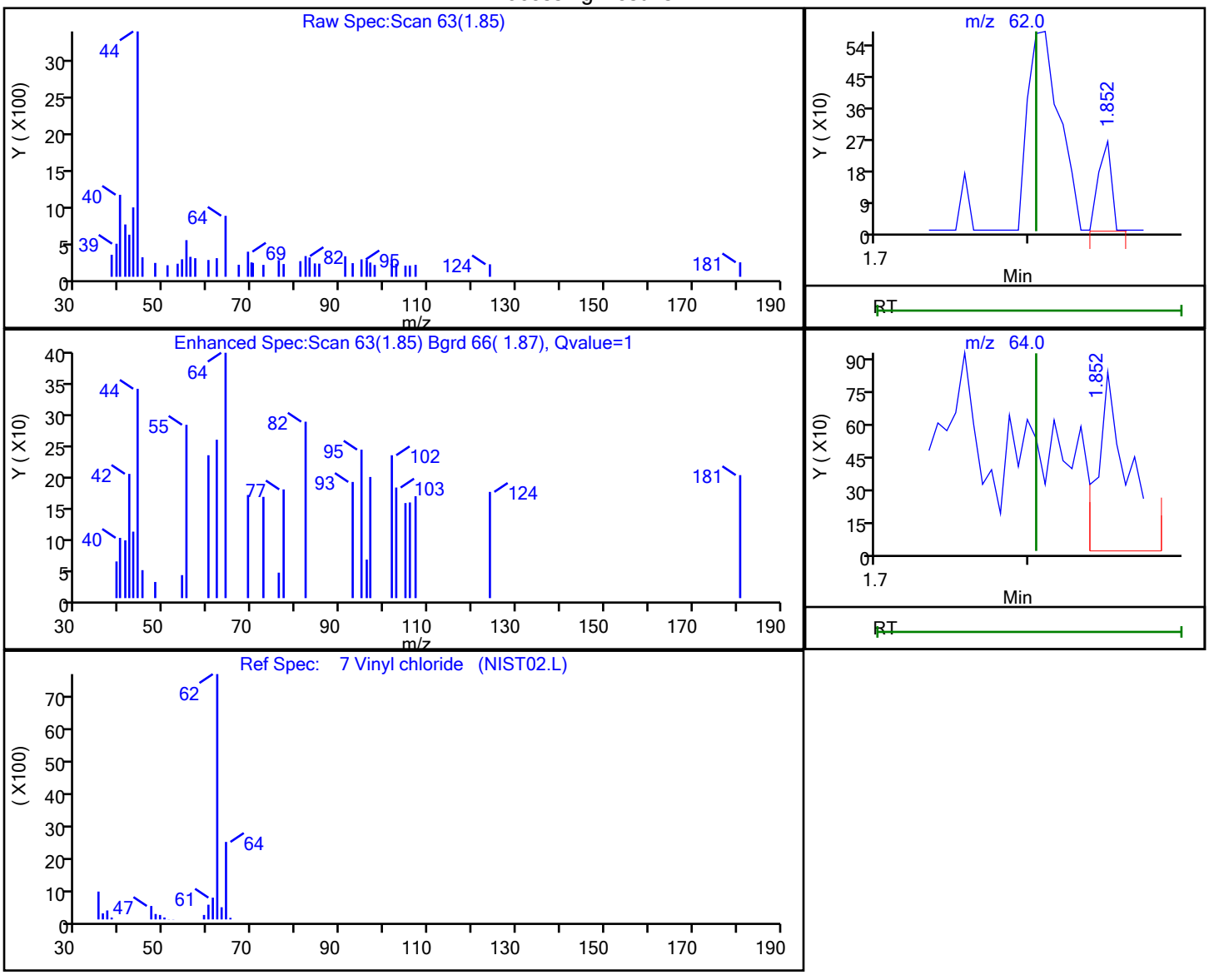
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22880.D
Injection Date: 01-Mar-2025 16:06:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.85	62.00	149	0.039289
1.85	64.00	1256	

Reviewer: NN6A, 02-Mar-2025 20:31:36 -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\20250301-187452.b\A22881.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Mar-2025 16:30:30 ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0187452-004
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:52:23 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 01-Mar-2025 17:18:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	39	719	1.00	0.8563	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	97	3185	1.00	0.6625	
165 Chlorodifluoromethane	51	1.569	1.575	-0.006	70	3440	1.00	1.06	
6 Chloromethane	50	1.728	1.734	-0.006	61	3267	1.00	1.01	
7 Vinyl chloride	62	1.805	1.804	0.000	66	3047	1.00	0.8510	
172 Butadiene	39	1.828	1.828	0.000	94	2154	1.00	0.7756	
9 Bromomethane	94	2.087	2.081	0.006	50	2404	1.00	0.9230	M
10 Chloroethane	64	2.163	2.157	0.006	69	2440	1.00	0.9377	
174 Dichlorofluoromethane	67	2.310	2.310	0.000	96	4814	1.00	0.8560	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	97	4329	1.00	0.8598	
13 Pentane	72	2.369	2.363	0.006	96	943	2.00	1.91	
14 Ethanol	46	2.469	2.487	-0.018	10	395	40.0	62.2	Ma
15 Ethyl ether	59	2.534	2.540	-0.006	63	2349	1.00	1.20	
16 2-Methyl-1,3-butadiene	53	2.557	2.563	-0.006	83	1882	1.00	0.9115	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.563	2.569	-0.006	89	2903	1.00	1.11	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.610	2.622	-0.012	91	4439	1.00	1.13	Ma
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.704	2.699	0.006	87	2098	1.00	0.7831	
19 Acrolein	56	2.704	2.704	0.000	45	1357	4.00	5.19	
21 1,1-Dichloroethene	96	2.746	2.740	0.006	93	2759	1.00	1.04	
22 Acetone	58	2.816	2.822	-0.006	75	675	5.00	4.74	
24 Isopropyl alcohol	45	2.869	2.875	-0.006	36	1565	10.0	9.91	a
23 Iodomethane	142	2.887	2.893	-0.006	57	1887	1.00	0.5789	
25 Carbon disulfide	76	2.928	2.934	-0.006	99	8674	1.00	1.00	
27 Methyl acetate	43	3.040	3.040	0.000	56	3503	2.00	2.04	
161 3-Chloro-1-propene	76	3.034	3.040	-0.006	53	1855	1.00	1.11	
166 Cyclopentene	67	3.063	3.063	0.000	89	6470	1.00	0.9720	
29 Acetonitrile	41	3.104	3.104	0.000	20	1852	10.0	11.7	a
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	138017	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.163	0.000	52	3499	1.00	1.17	
32 2-Methyl-2-propanol	59	3.193	3.193	0.000	57	1609	10.0	10.7	M

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	3.304	3.310	-0.006	71	7194	1.00	1.06	
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	84	3565	1.00	1.16	
35 Acrylonitrile	53	3.410	3.410	0.000	79	4991	10.0	8.47	
36 Hexane	43	3.487	3.487	0.000	87	1449	1.00	1.03	
37 Isopropyl ether	45	3.687	3.681	0.006	90	6298	1.00	1.10	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	93	4965	1.00	1.11	
39 Vinyl acetate	86	3.740	3.740	0.000	97	972	2.00	2.03	
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	91	2336	1.00	0.9124	
41 Tert-butyl ethyl ether	59	3.998	3.998	0.000	95	6509	1.00	0.9662	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	128049	250.0	250.0	
43 2,2-Dichloropropane	97	4.240	4.240	0.000	15	1015	1.00	0.9806	a
44 cis-1,2-Dichloroethene	96	4.251	4.257	-0.006	55	3179	1.00	0.9711	M
46 Ethyl acetate	70	4.263	4.263	0.000	3	473	2.00	2.24	
45 2-Butanone (MEK)	72	4.251	4.275	-0.024	31	950	5.00	4.62	M
47 Methyl acrylate	55	4.316	4.322	-0.006	42	2373	1.00	1.00	a
48 Propionitrile	54	4.410	4.410	0.000	63	1734	10.0	9.06	
50 Chlorobromomethane	128	4.498	4.493	0.006	36	1788	1.00	1.06	
49 Tetrahydrofuran	42	4.487	4.498	-0.011	22	1243	2.00	2.30	a
51 Methacrylonitrile	67	4.516	4.516	0.000	81	7671	10.0	8.90	
52 Chloroform	83	4.540	4.540	0.000	97	5415	1.00	1.03	
53 Cyclohexane	56	4.693	4.687	0.006	38	3370	1.00	0.9832	a
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	46	4961	1.00	1.05	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	139101	50.0	47.9	
56 Carbon tetrachloride	117	4.822	4.828	-0.006	75	4525	1.00	1.06	
57 1,1-Dichloropropene	75	4.851	4.857	-0.006	63	3869	1.00	1.07	
58 Isobutyl alcohol	43	4.957	4.957	0.000	17	1189	25.0	24.3	a
59 Isooctane	57	5.028	5.022	0.006	68	5273	1.00	1.03	
60 Benzene	78	5.063	5.069	-0.006	82	11183	1.00	1.10	a
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	126192	50.0	47.2	
62 Isopropyl acetate	61	5.093	5.104	-0.011	32	3301	1.00	0.9807	
63 Tert-amyl methyl ether	87	5.110	5.122	-0.012	36	2475	1.00	1.05	M
64 1,2-Dichloroethane	62	5.163	5.163	0.000	76	3147	1.00	0.9374	
65 n-Heptane	71	5.210	5.216	-0.006	42	1430	1.00	0.9177	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	517832	50.0	50.0	
67 n-Butanol	56	5.681	5.669	0.012	23	1514	25.0	25.3	Ma
68 Trichloroethene	95	5.763	5.757	0.006	93	3048	1.00	0.8895	
69 Ethyl acrylate	99	5.869	5.875	-0.006	81	469	1.00	1.09	Ma
70 Methylcyclohexane	83	5.892	5.892	0.000	88	3667	1.00	0.8880	
71 1,2-Dichloropropane	63	6.075	6.069	0.006	92	2708	1.00	1.15	
* 73 1,4-Dioxane-d8	96	6.140	6.139	0.001	0	20465	1000.0	1000.0	
72 Methyl methacrylate	69	6.145	6.145	0.000	50	3546	2.00	2.35	
74 n-Propyl acetate	43	6.204	6.204	0.000	70	2599	1.00	1.21	
75 1,4-Dioxane	88	6.187	6.210	-0.023	38	1089	20.0	20.5	M
76 Dibromomethane	93	6.210	6.222	-0.012	86	1725	1.00	0.9451	M
77 Dichlorobromomethane	83	6.387	6.387	0.001	97	3789	1.00	0.8654	
79 2-Nitropropane	41	6.751	6.763	-0.012	79	1198	2.00	2.43	a
80 Epichlorohydrin	57	6.887	6.886	0.001	40	2519	20.0	19.3	
81 cis-1,3-Dichloropropene	75	6.939	6.951	-0.012	85	3800	1.00	0.9714	
82 4-Methyl-2-pentanone (MIBK)	43	7.128	7.134	-0.006	87	6370	5.00	5.13	M
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	100	506726	50.0	52.1	
84 Toluene	91	7.322	7.322	0.000	90	13140	1.00	1.14	
86 trans-1,3-Dichloropropene	75	7.716	7.716	0.000	90	3663	1.00	1.02	

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	7.751	7.751	0.000	55	3286	1.00	1.13	
87 1,1,2-Trichloroethane	83	7.992	7.986	0.006	36	2058	1.00	1.11	a
88 Tetrachloroethene	166	8.045	8.039	0.006	89	2982	1.00	1.00	
89 1,3-Dichloropropane	76	8.245	8.263	-0.018	82	3652	1.00	1.05	a
90 2-Hexanone	58	8.357	8.339	0.018	62	1855	5.00	3.84	Ma
91 n-Butyl acetate	73	8.504	8.504	0.000	11	530	1.00	1.05	M
92 Chlorodibromomethane	129	8.569	8.569	0.000	49	2671	1.00	0.9595	
93 Ethylene Dibromide	107	8.763	8.769	-0.006	49	2207	1.00	0.9494	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	381419	50.0	50.0	
95 Chlorobenzene	112	9.351	9.345	0.006	89	7234	1.00	0.9495	
96 Ethylbenzene	106	9.433	9.433	0.000	97	4437	1.00	1.05	
97 1,1,1,2-Tetrachloroethane	131	9.439	9.445	-0.006	90	2773	1.00	0.9604	
98 m-Xylene & p-Xylene	106	9.569	9.563	0.006	0	5346	1.00	1.05	
99 n-Butyl acrylate	73	9.933	9.933	0.000	72	2092	1.00	1.22	
100 o-Xylene	106	9.951	9.945	0.006	92	4359	1.00	0.8741	
101 Styrene	104	9.969	9.975	-0.005	93	8096	1.00	0.9525	
102 Amyl acetate (mixed isomers)	43	10.128	10.127	0.001	79	2861	1.00	1.10	
103 Bromoform	173	10.151	10.157	-0.006	73	1840	1.00	1.03	
104 Isopropylbenzene	105	10.251	10.251	0.000	94	12276	1.00	1.05	
$ 105 4-Bromofluorobenzene	174	10.410	10.410	0.000	92	157820	50.0	50.0	
107 Bromobenzene	156	10.522	10.522	0.000	90	2978	1.00	0.9191	
106 1,1,2,2-Tetrachloroethane	83	10.545	10.551	-0.006	95	2602	1.00	1.04	
108 N-Propylbenzene	91	10.569	10.569	0.000	99	15563	1.00	1.07	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	85	1243	1.00	0.9855	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.598	0.006	63	749	1.00	1.29	
112 2-Chlorotoluene	91	10.651	10.651	0.000	95	10095	1.00	0.99	
169 4-Ethyltoluene	105	10.657	10.657	0.000	86	12759	1.00	1.00	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	91	10529	1.00	1.01	
115 4-Chlorotoluene	91	10.733	10.739	-0.006	95	9657	1.00	1.09	
114 Butyl Methacrylate	87	10.769	10.769	0.000	87	3215	1.00	0.9437	
116 tert-Butylbenzene	119	10.922	10.922	0.000	93	9153	1.00	0.99	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	98	11813	1.00	1.07	
118 sec-Butylbenzene	134	11.069	11.069	0.000	98	2798	1.00	1.00	
119 4-Isopropyltoluene	119	11.157	11.157	0.000	96	12417	1.00	1.00	
120 1,3-Dichlorobenzene	146	11.169	11.169	0.000	67	6332	1.00	0.9658	
* 121 1,4-Dichlorobenzene-d4	152	11.216	11.221	-0.005	94	205101	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.233	11.233	0.000	88	6683	1.00	1.00	a
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	90	10708	1.00	0.9238	
124 Benzyl chloride	91	11.333	11.333	0.000	97	5754	1.00	1.11	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	94	10889	1.00	1.05	
164 p-Diethylbenzene	119	11.410	11.410	0.000	90	7606	1.00	1.03	
127 n-Butylbenzene	92	11.427	11.427	0.000	94	5580	1.00	1.00	
128 1,2-Dichlorobenzene	146	11.486	11.492	-0.006	94	6047	1.00	1.02	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.963	0.000	97	10446	1.00	0.9590	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	15	370	1.00	0.7073	
131 1,3,5-Trichlorobenzene	180	12.169	12.168	0.001	94	4683	1.00	1.04	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	92	3792	1.00	0.9827	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	72	1335	1.00	0.9534	M
134 Naphthalene	128	12.939	12.945	-0.006	98	9262	1.00	1.17	
135 1,2,3-Trichlorobenzene	180	13.180	13.174	0.006	86	3128	1.00	0.9579	a
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.13	
S 137 Xylenes, Total	100				0		2.00	1.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	10.00	Units: uL	
524FREONS_00031	Amount Added:	10.00	Units: uL	
ACROLEIN W_00180	Amount Added:	4.00	Units: uL	
GASES Li_00629	Amount Added:	10.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2025 16:52:23 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D

Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1 Operator ID:

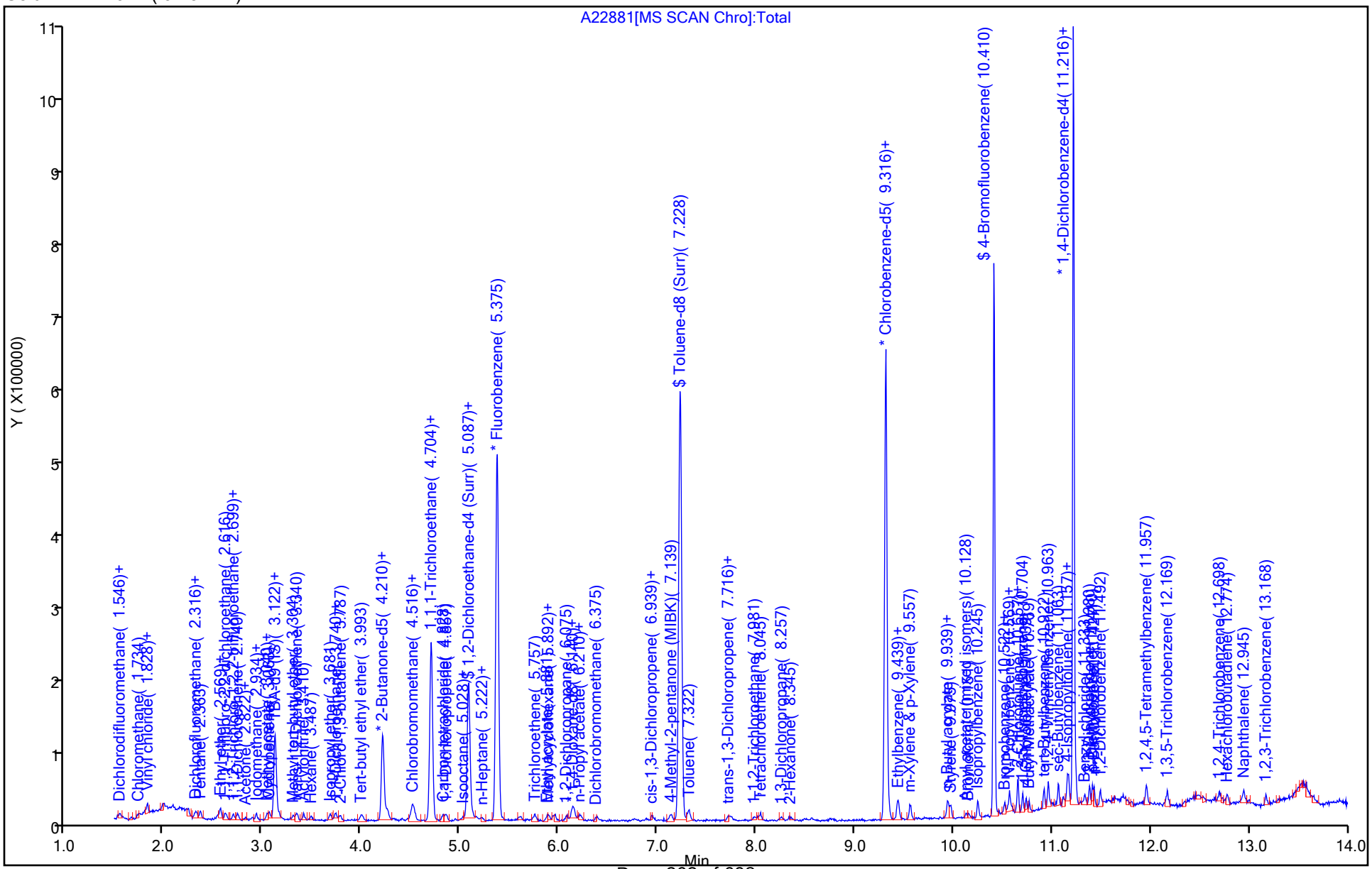
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

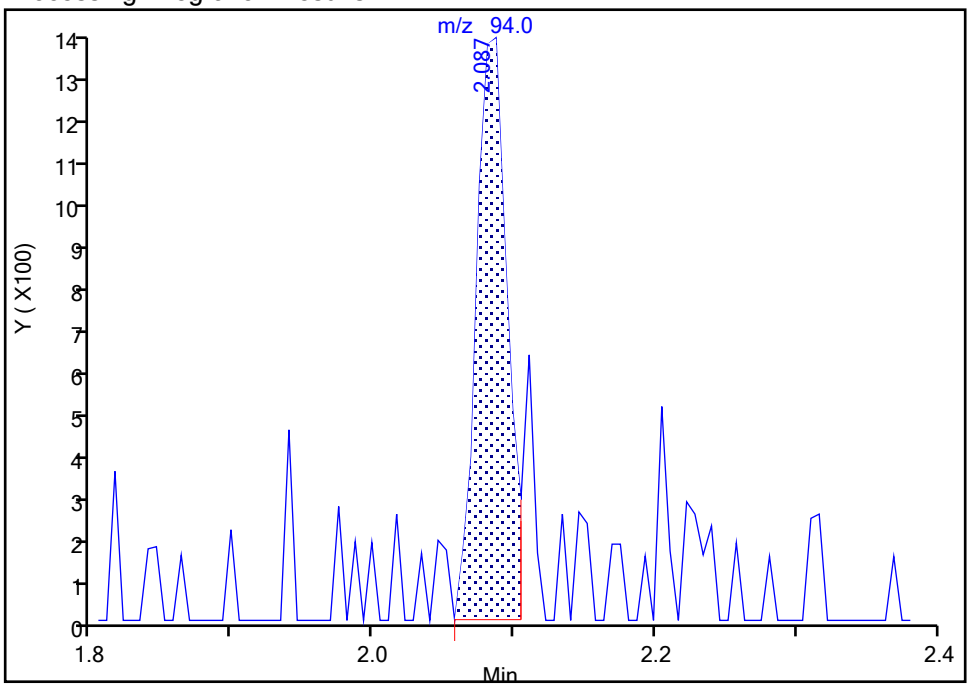
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Signal: 1

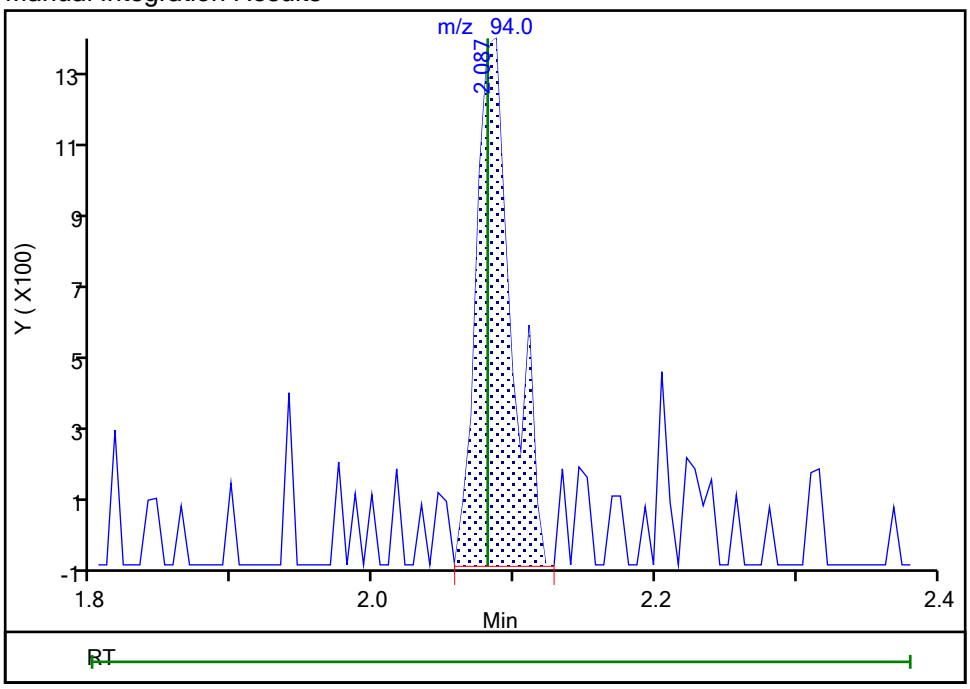
Processing Integration Results

RT: 2.09
Area: 2122
Amount: 0.727536
Amount Units: ug/l



Manual Integration Results

RT: 2.09
Area: 2404
Amount: 0.923018
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:45:31 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

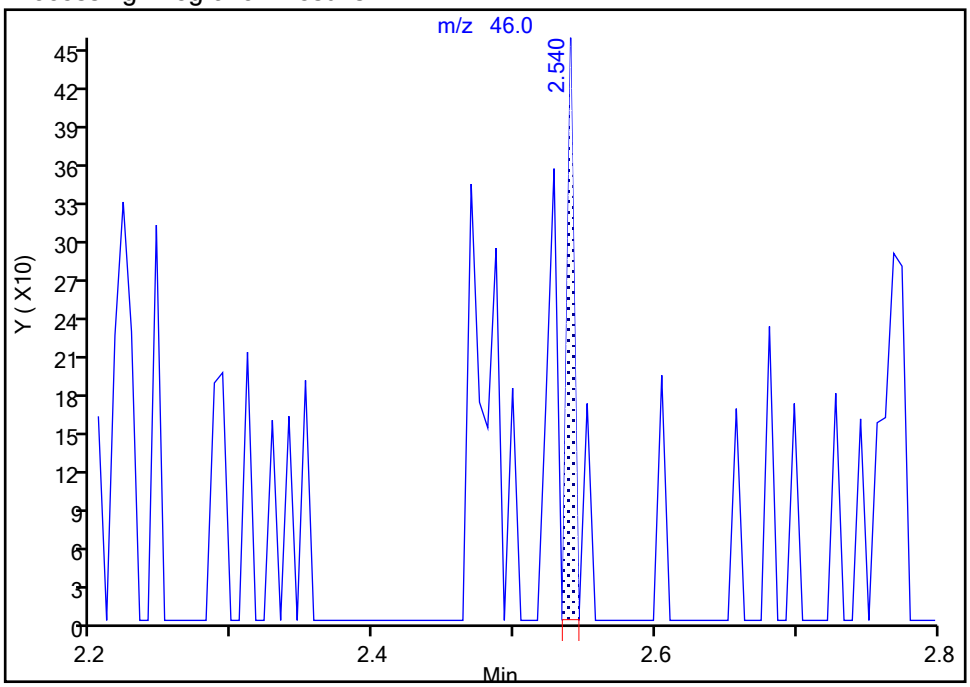
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

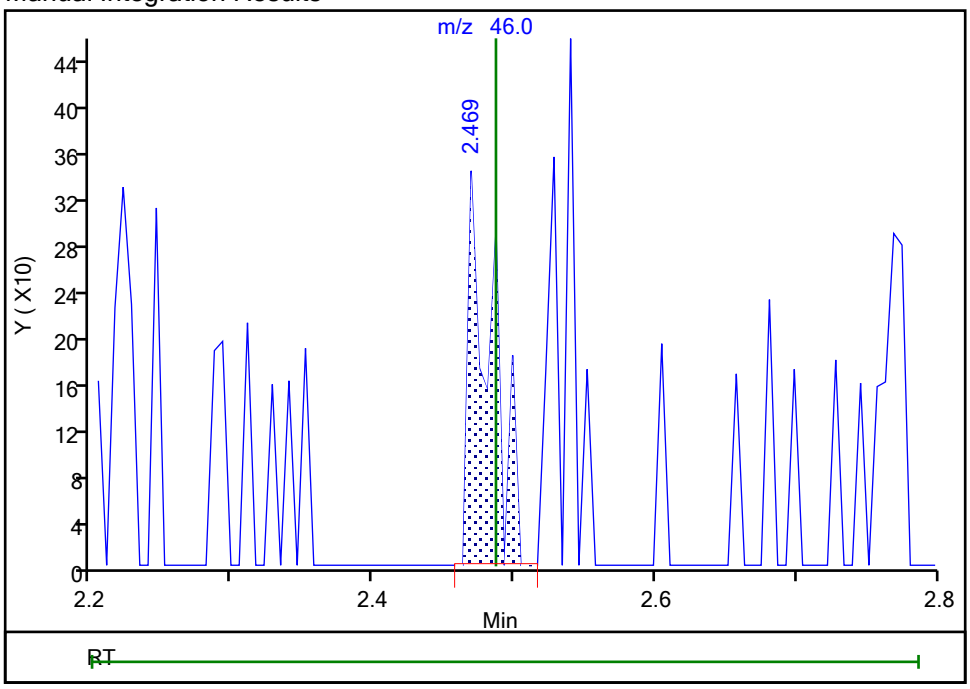
Processing Integration Results

RT: 2.54
Area: 160
Amount: 25.368280
Amount Units: ug/l



Manual Integration Results

RT: 2.47
Area: 395
Amount: 62.178621
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:10:55 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

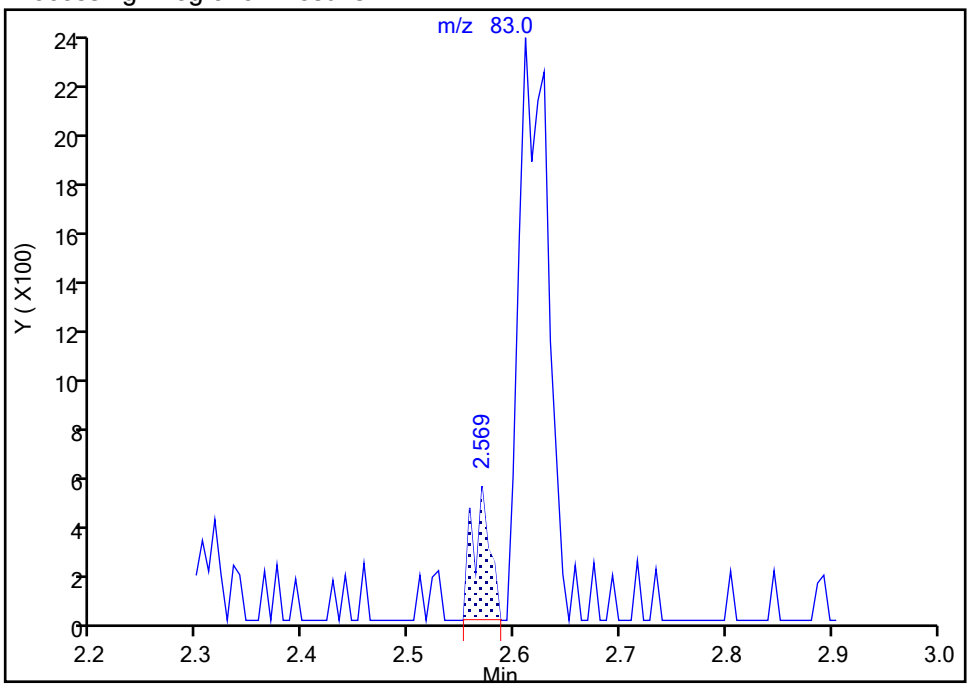
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

171 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

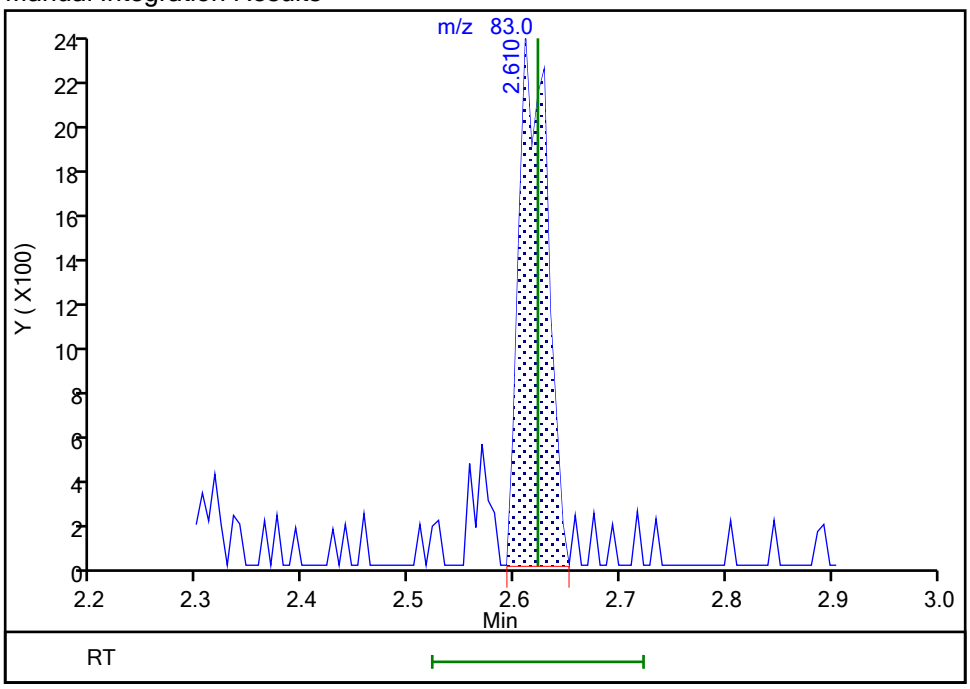
Processing Integration Results

RT: 2.57
Area: 594
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 2.61
Area: 4439
Amount: 1.133936
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:34:33 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

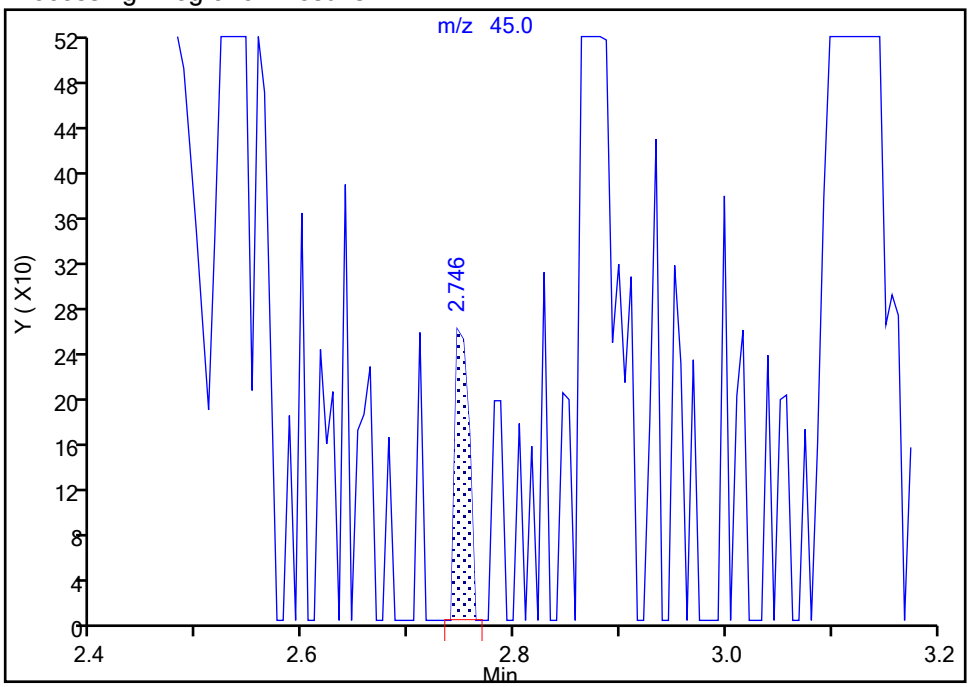
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

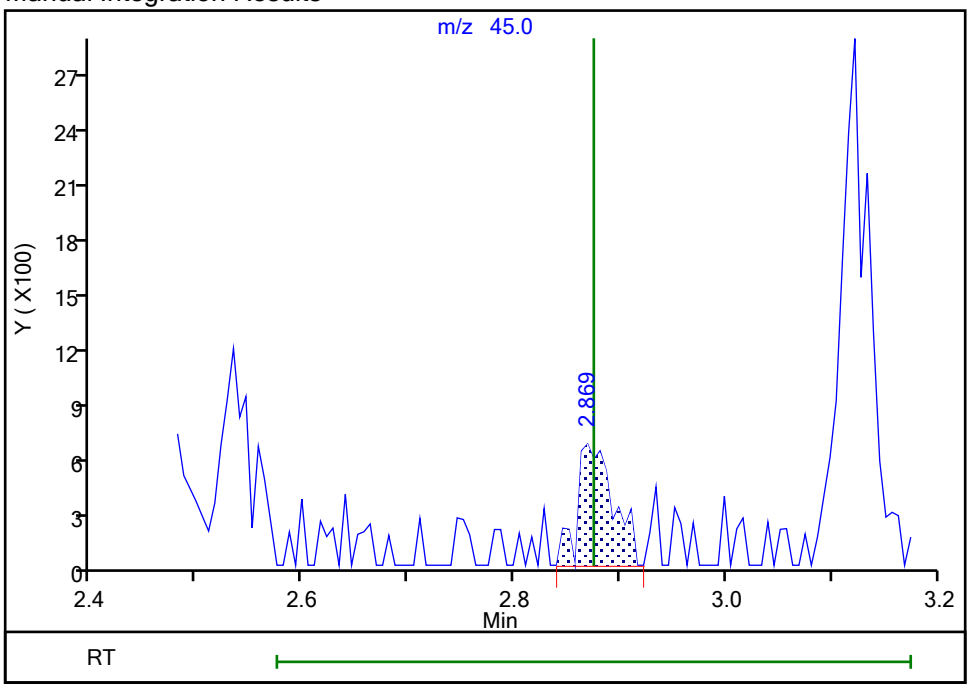
Processing Integration Results

RT: 2.75
Area: 236
Amount: 9.985731
Amount Units: ug/l



Manual Integration Results

RT: 2.87
Area: 1565
Amount: 9.913893
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:34:42 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

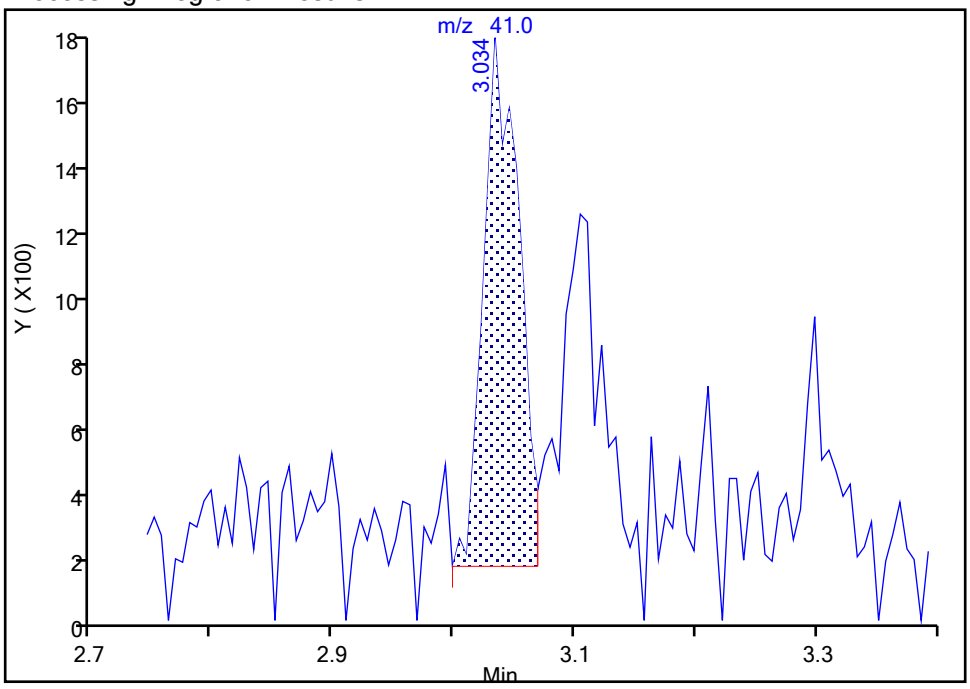
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

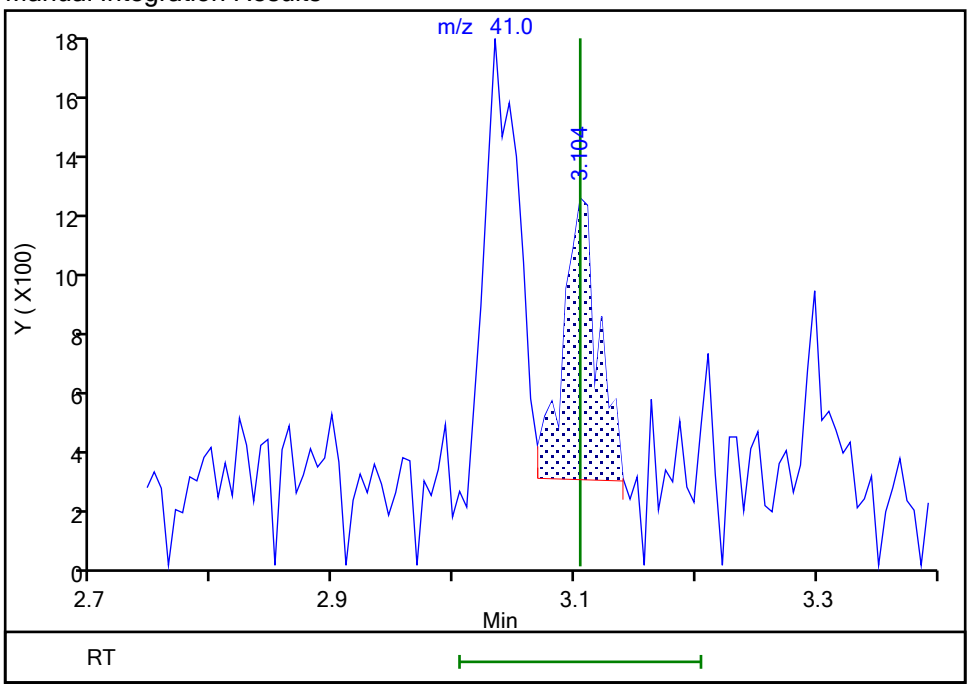
Processing Integration Results

RT: 3.03
Area: 3175
Amount: 10.033103
Amount Units: ug/l



Manual Integration Results

RT: 3.10
Area: 1852
Amount: 11.674419
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:34:49 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

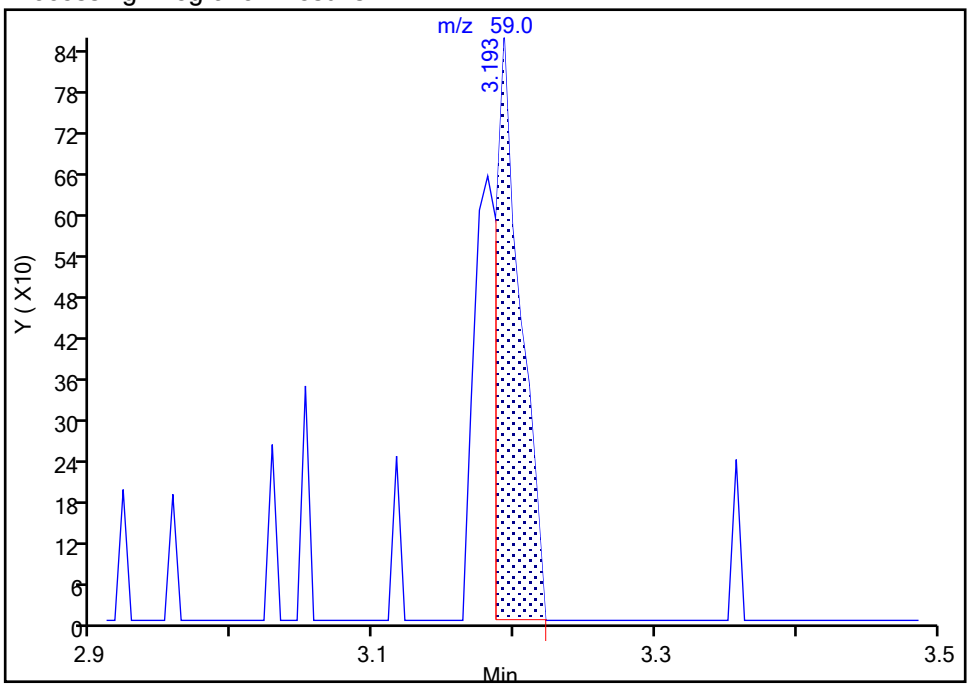
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

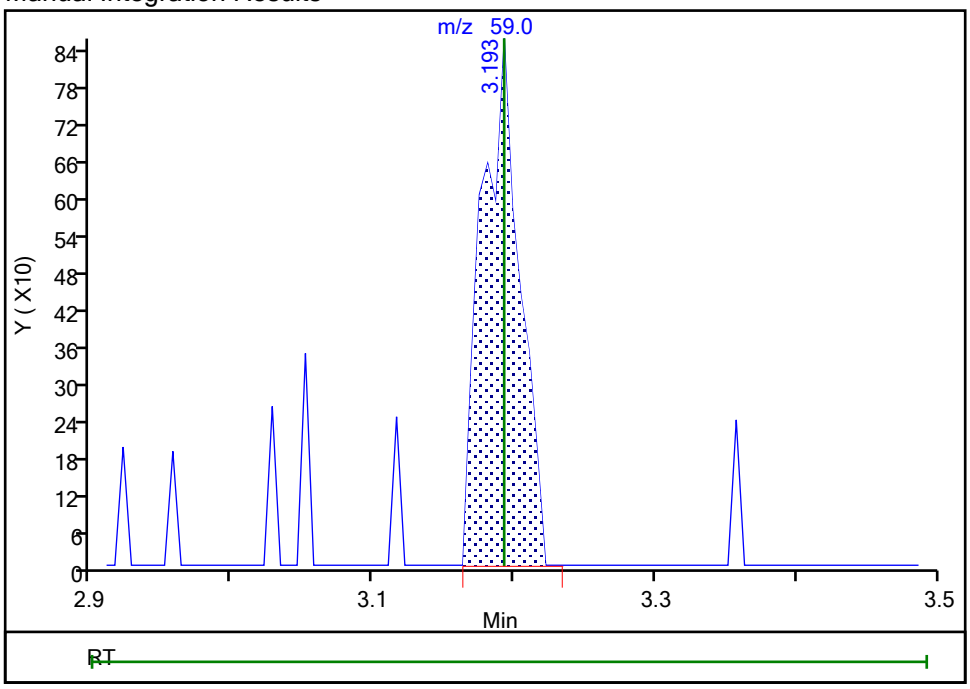
Processing Integration Results

RT: 3.19
Area: 1054
Amount: 7.680830
Amount Units: ug/l



Manual Integration Results

RT: 3.19
Area: 1609
Amount: 10.718711
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:34:57 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

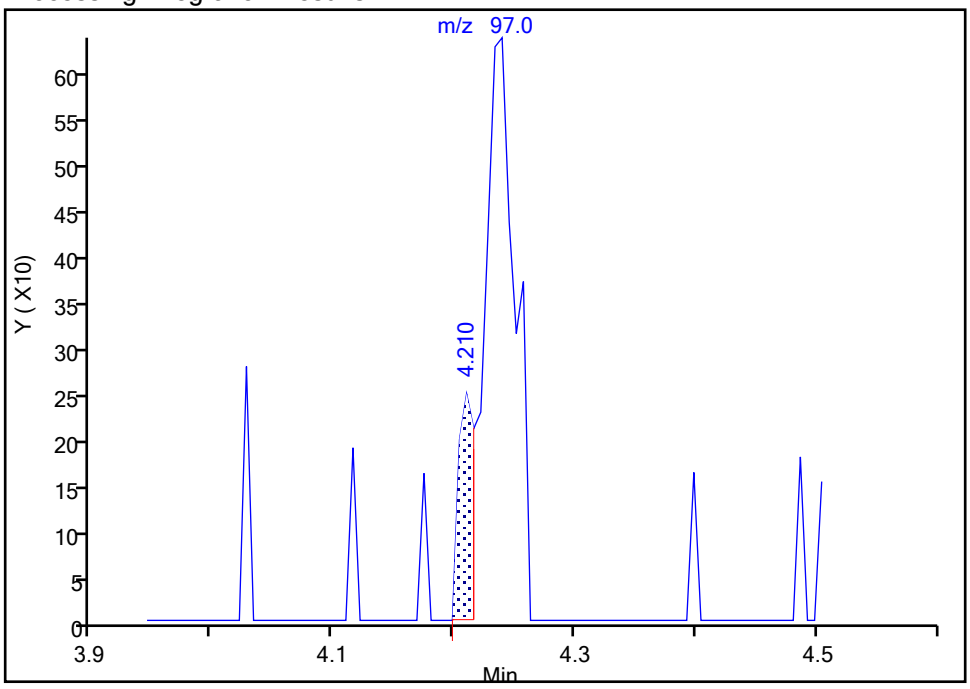
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

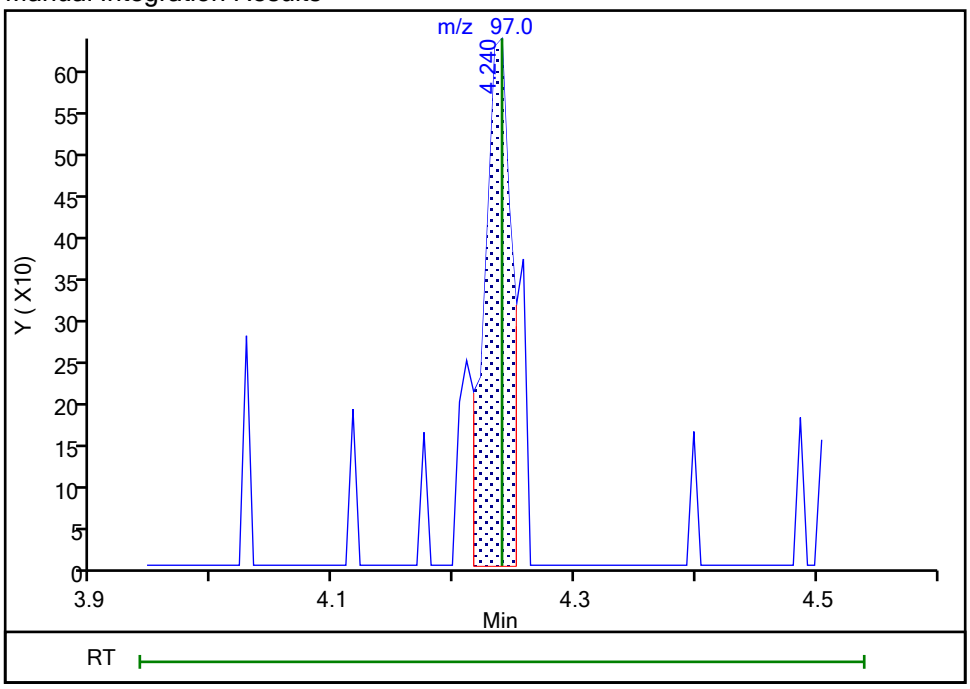
Processing Integration Results

RT: 4.21
Area: 232
Amount: 1.001254
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Area: 1015
Amount: 0.980605
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:07 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison

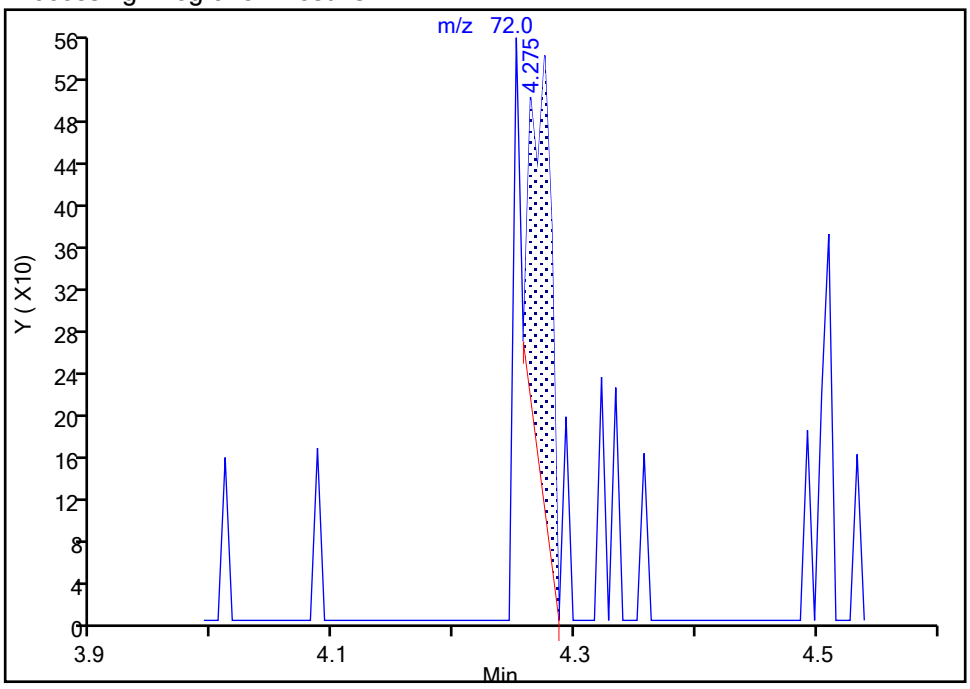
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

45 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

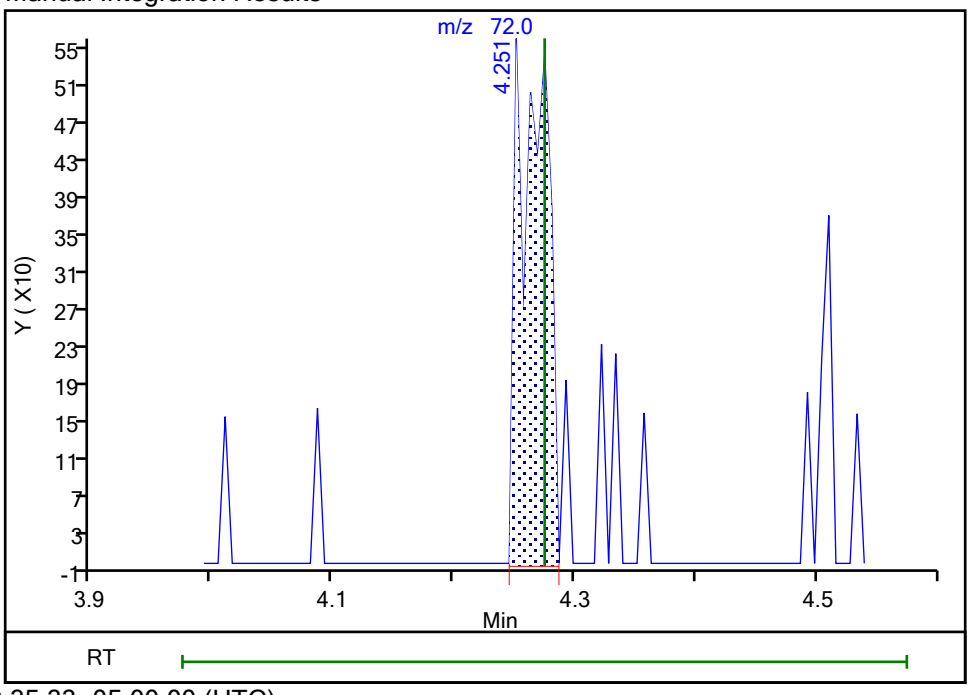
Processing Integration Results

RT: 4.27
Area: 465
Amount: 6.618909
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 950
Amount: 4.618810
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:33 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

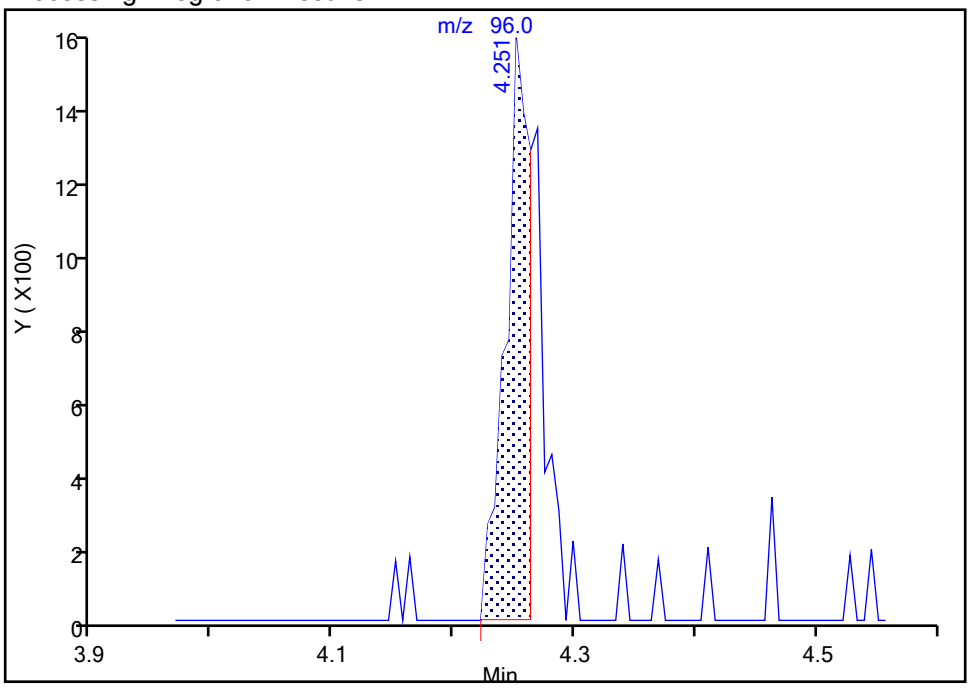
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

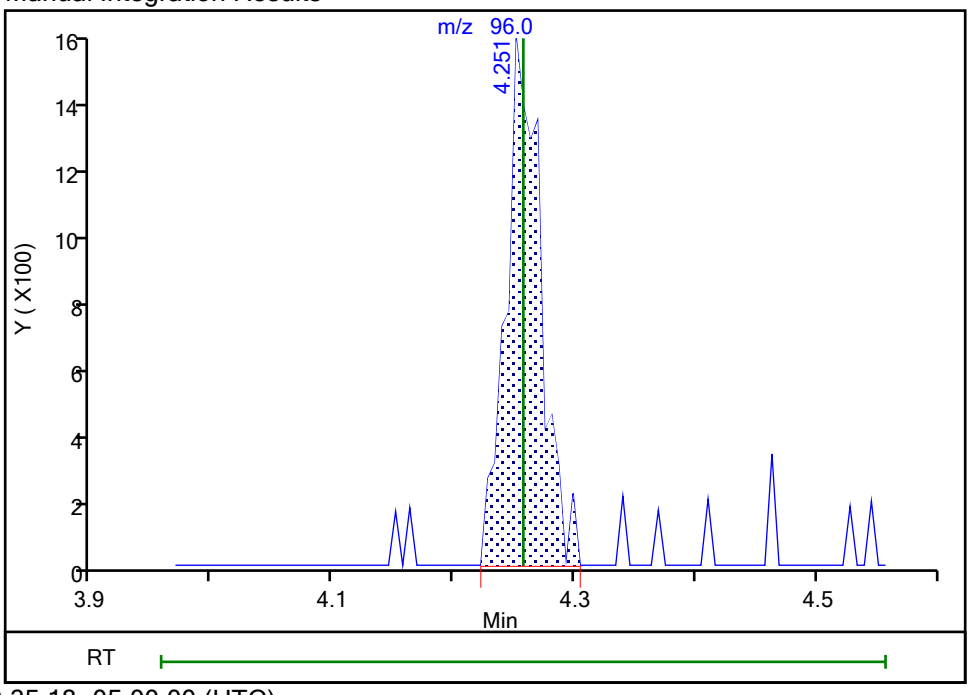
Processing Integration Results

RT: 4.25
Area: 2223
Amount: 0.713169
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 3179
Amount: 0.971135
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:18 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

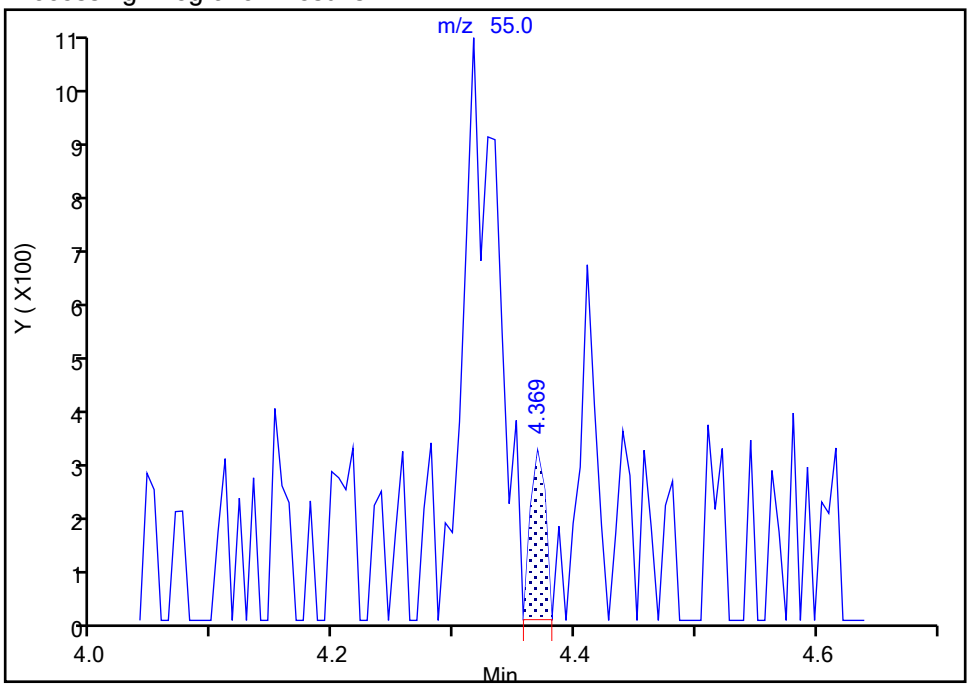
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

47 Methyl acrylate, CAS: 96-33-3

Signal: 1

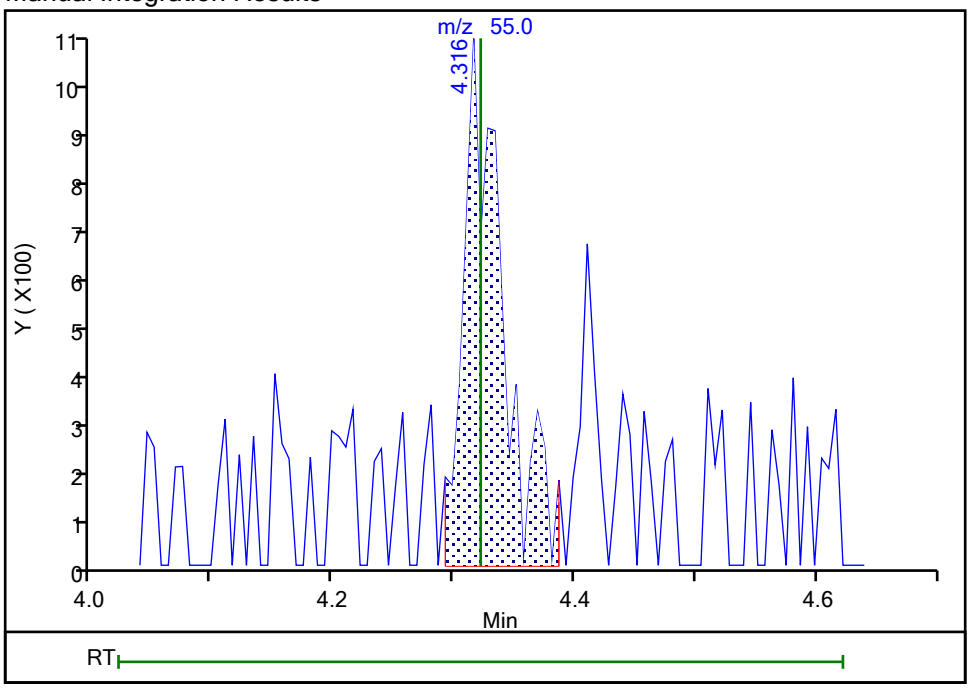
Processing Integration Results

RT: 4.37
Area: 259
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 4.32
Area: 2373
Amount: 0.997555
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:43 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

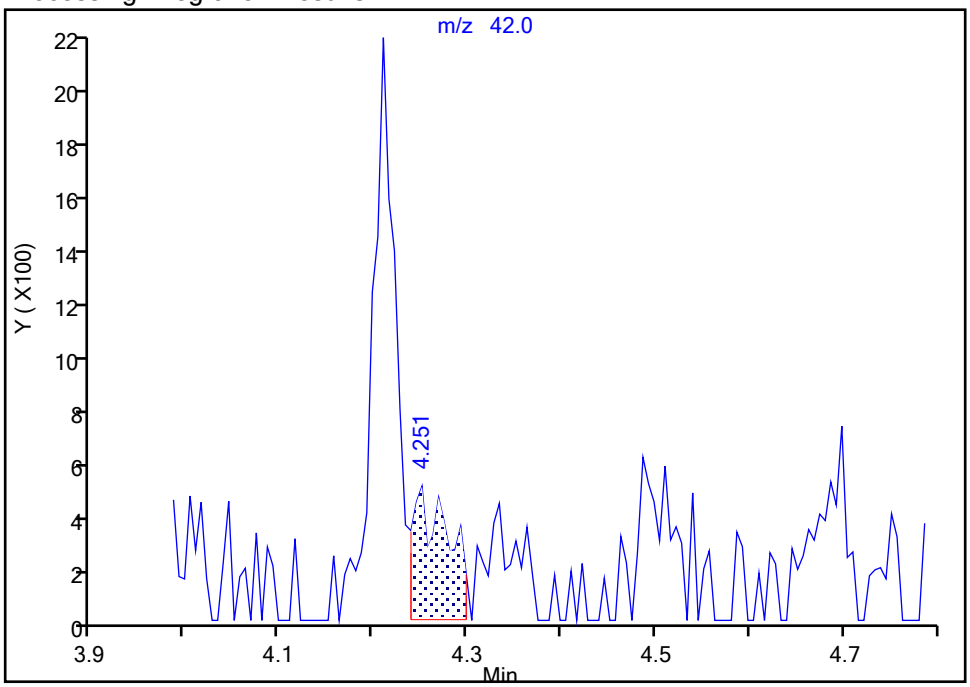
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

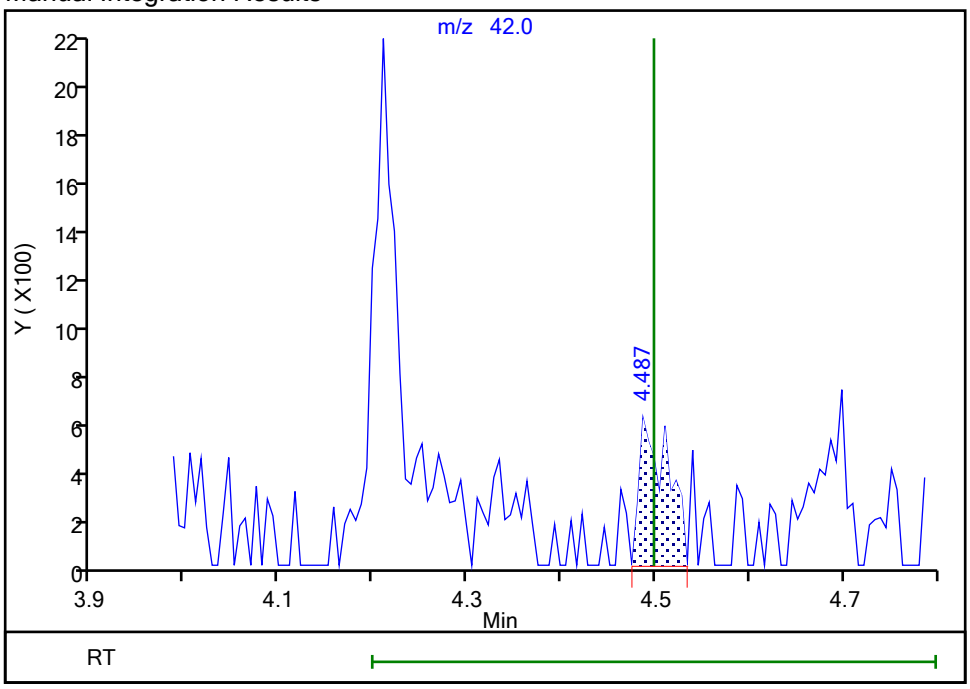
Processing Integration Results

RT: 4.25
Area: 1283
Amount: 2.392262
Amount Units: ug/l



Manual Integration Results

RT: 4.49
Area: 1243
Amount: 2.297162
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

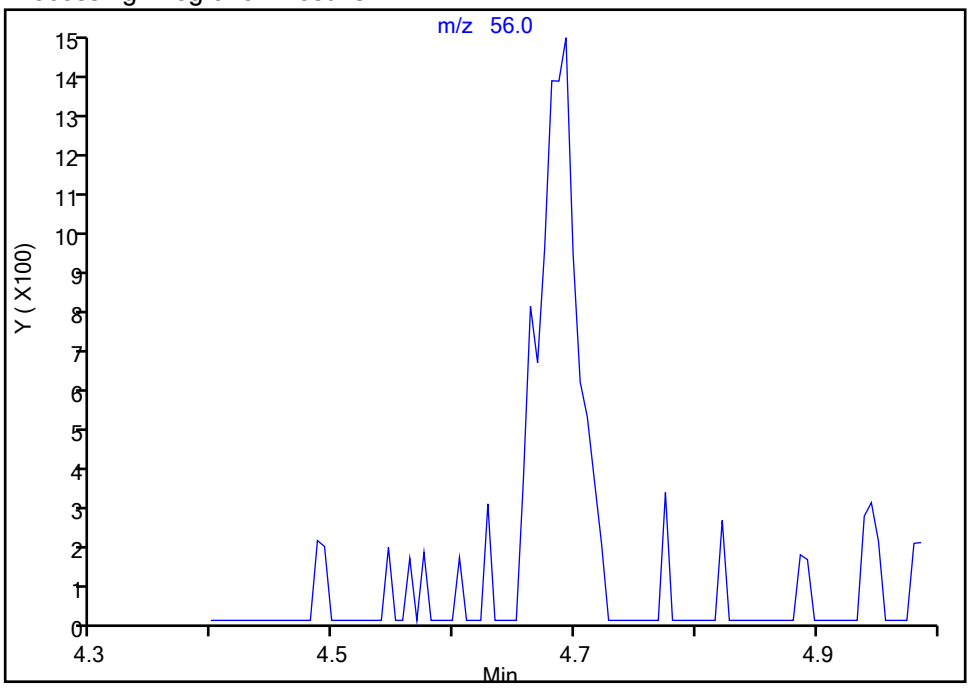
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 Cyclohexane, CAS: 110-82-7

Signal: 1

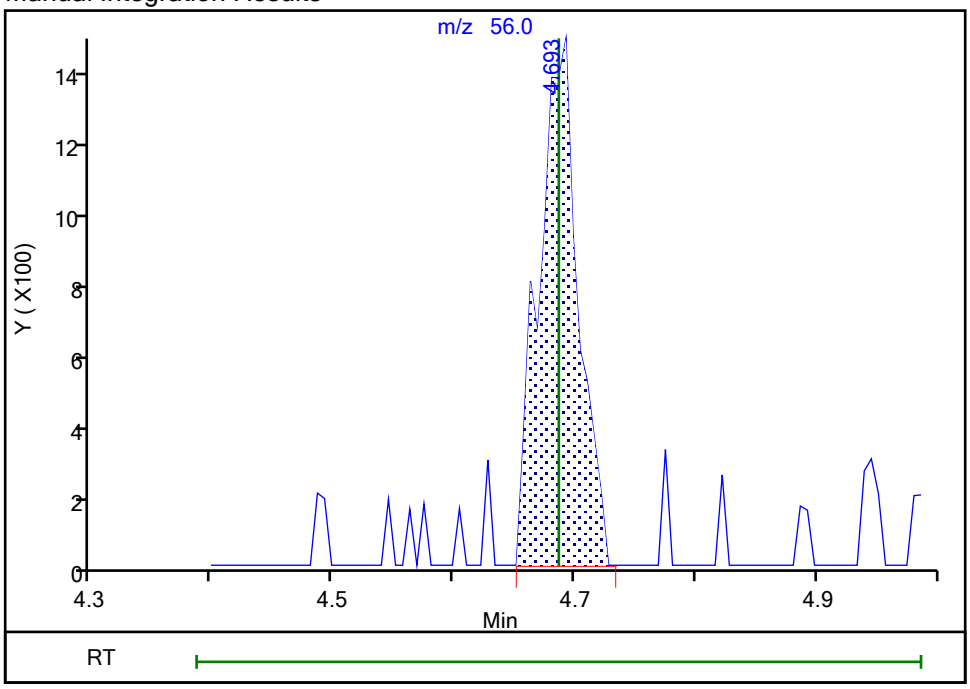
Not Detected
Expected RT: 4.69

Processing Integration Results



Manual Integration Results

RT: 4.69
Area: 3370
Amount: 0.983158
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:35:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

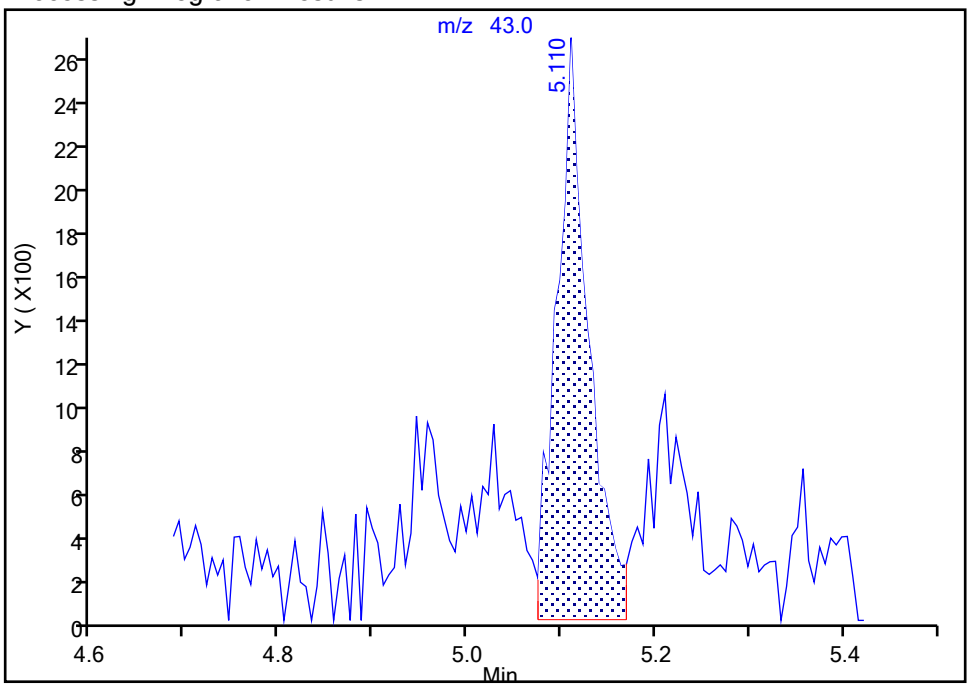
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

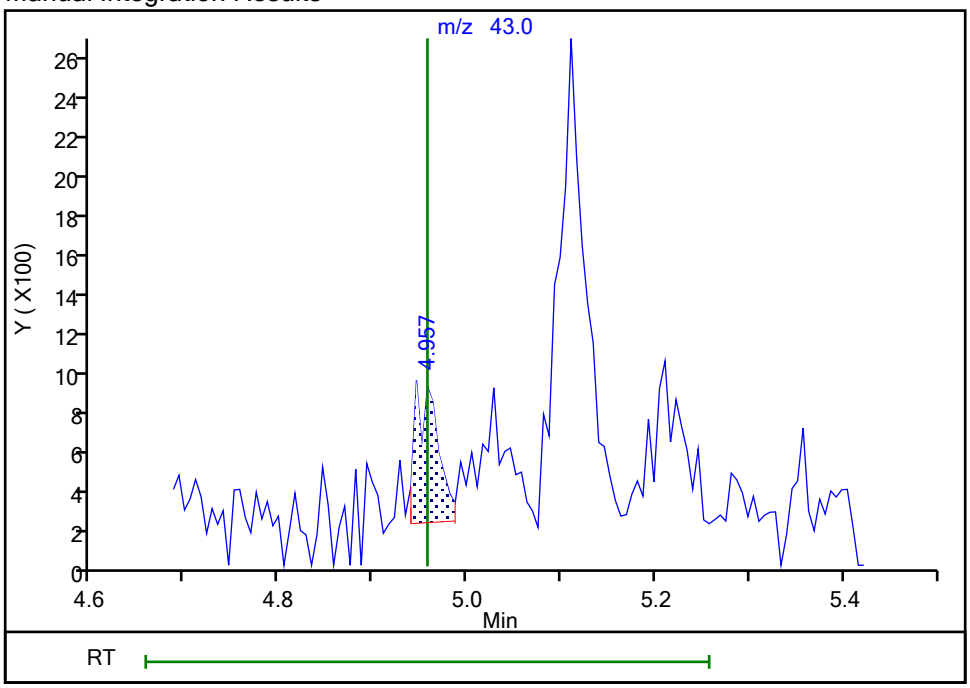
Processing Integration Results

RT: 5.11
Area: 6188
Amount: 41.948517
Amount Units: ug/l



Manual Integration Results

RT: 4.96
Area: 1189
Amount: 24.266835
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:40:42 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

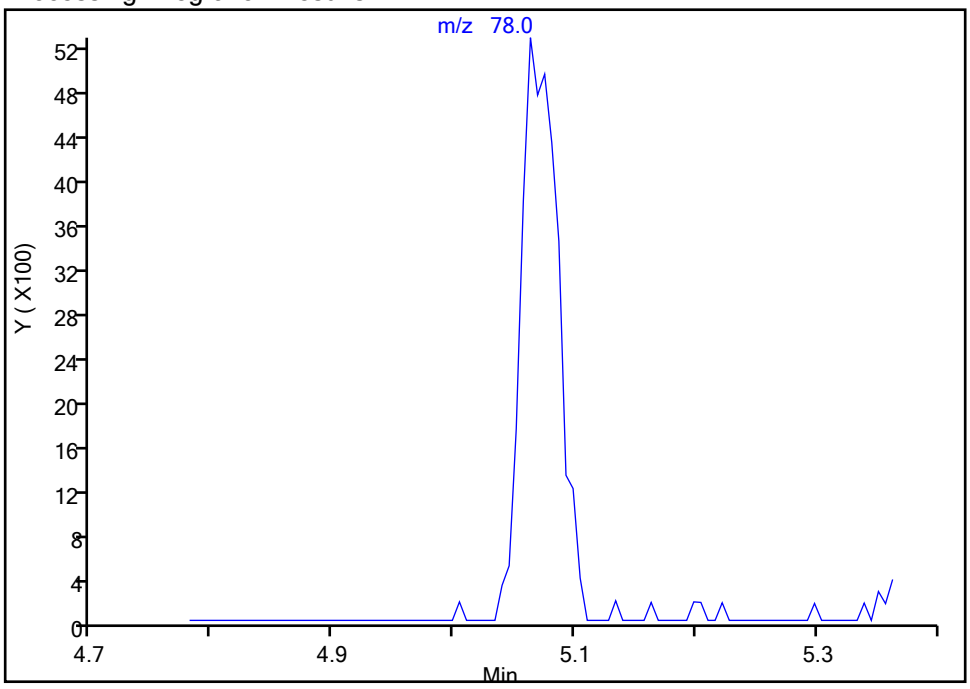
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 Benzene, CAS: 71-43-2

Signal: 1

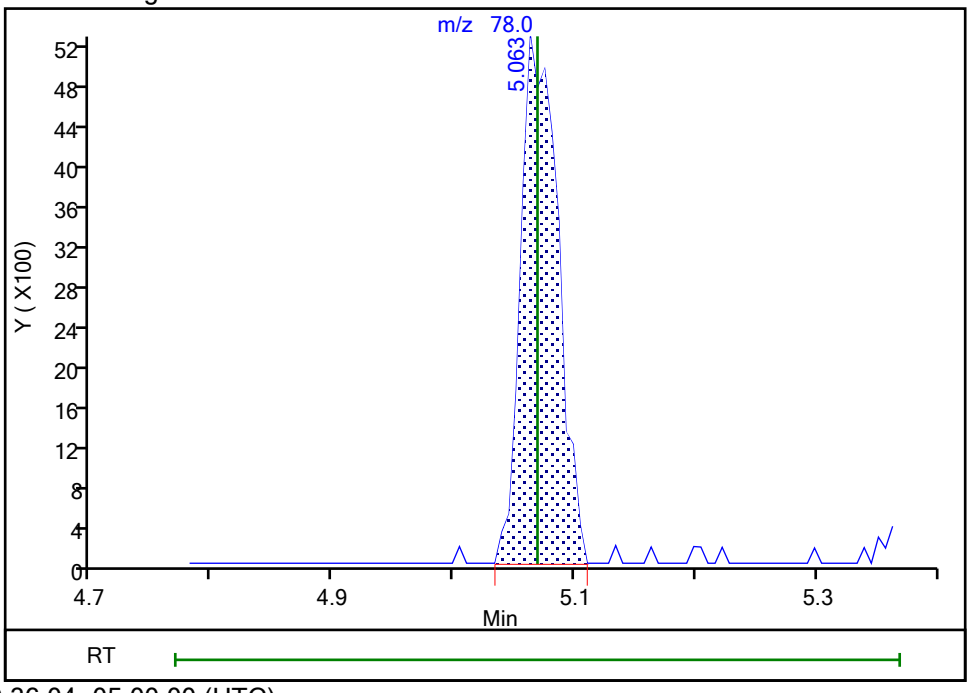
Not Detected
Expected RT: 5.07

Processing Integration Results



Manual Integration Results

RT: 5.06
Area: 11183
Amount: 1.100441
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:36:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison

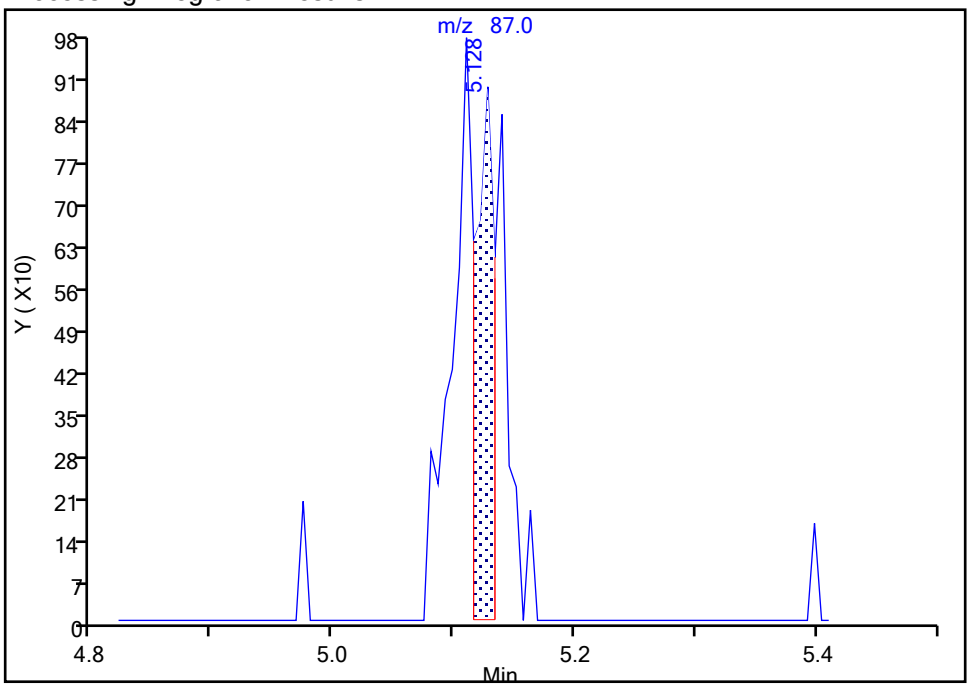
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

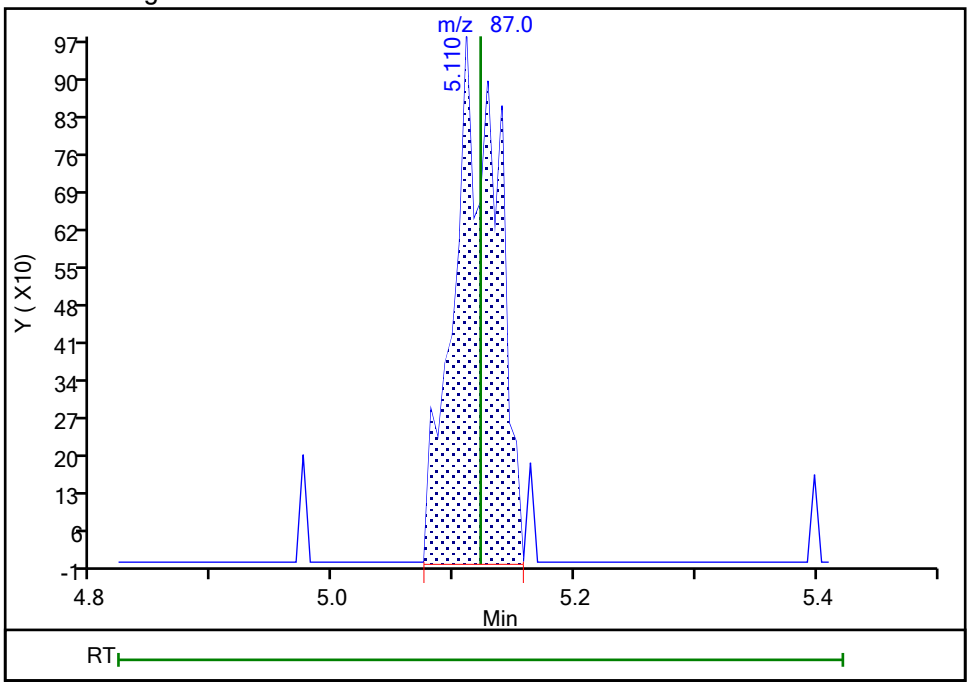
Processing Integration Results

RT: 5.13
Area: 988
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 5.11
Area: 2475
Amount: 1.046896
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:36:16 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

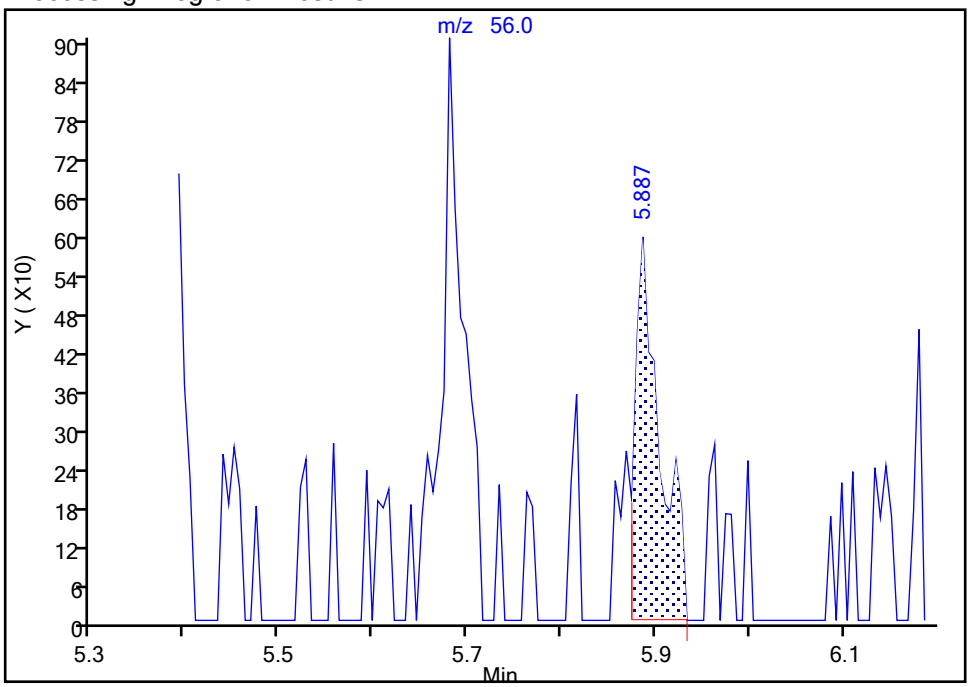
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Signal: 1

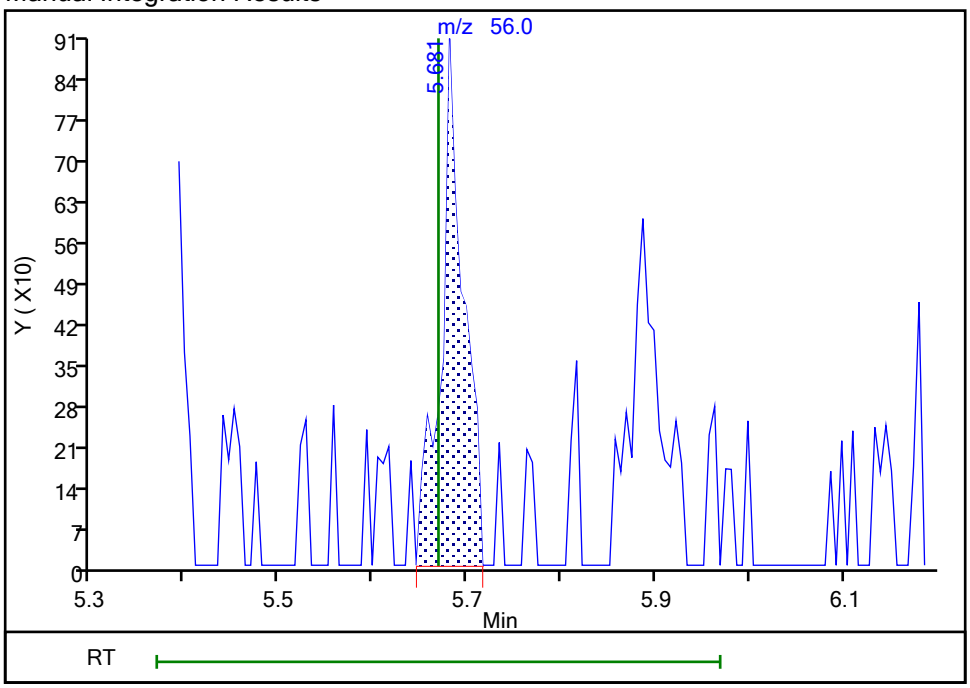
Processing Integration Results

RT: 5.89
Area: 1073
Amount: 27.620368
Amount Units: ug/l



Manual Integration Results

RT: 5.68
Area: 1514
Amount: 25.292103
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:36:32 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

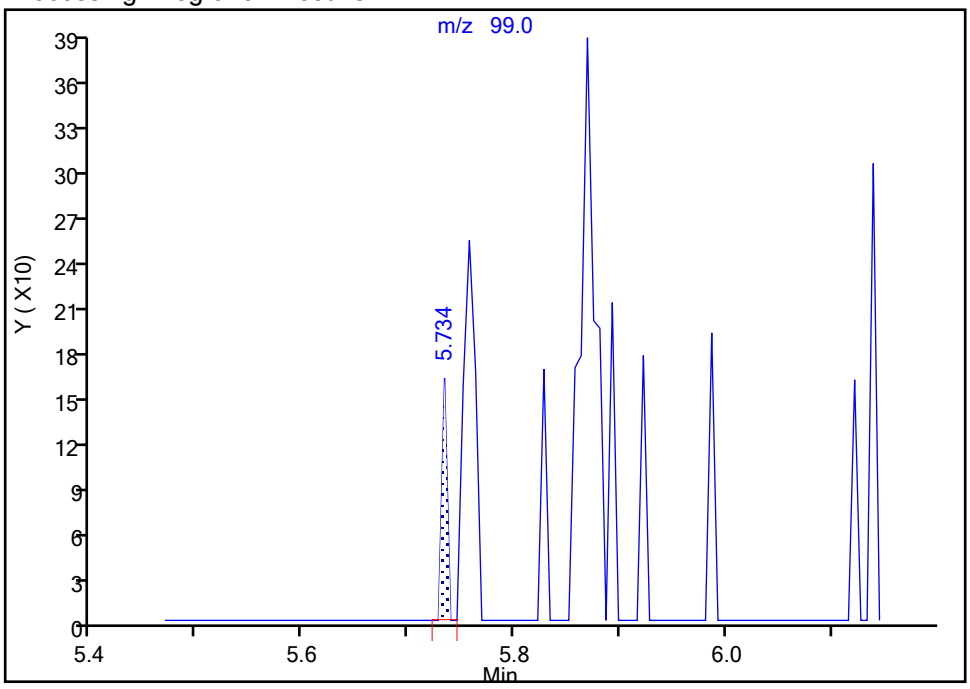
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 Ethyl acrylate, CAS: 140-88-5

Signal: 1

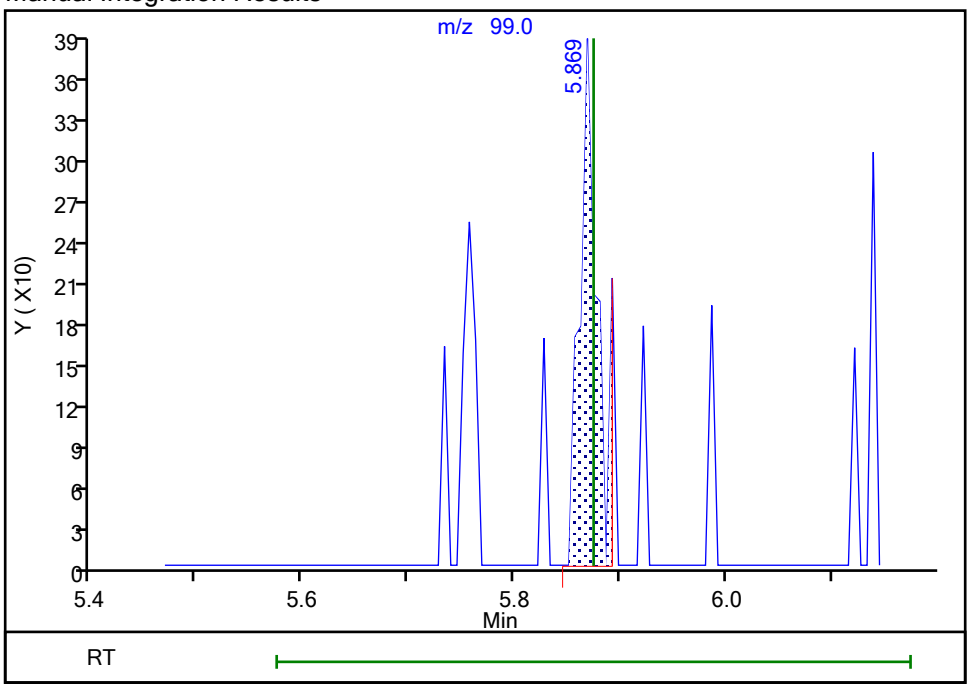
Processing Integration Results

RT: 5.73
Area: 56
Amount: 0.999470
Amount Units: ug/l



Manual Integration Results

RT: 5.87
Area: 469
Amount: 1.085927
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:36:49 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

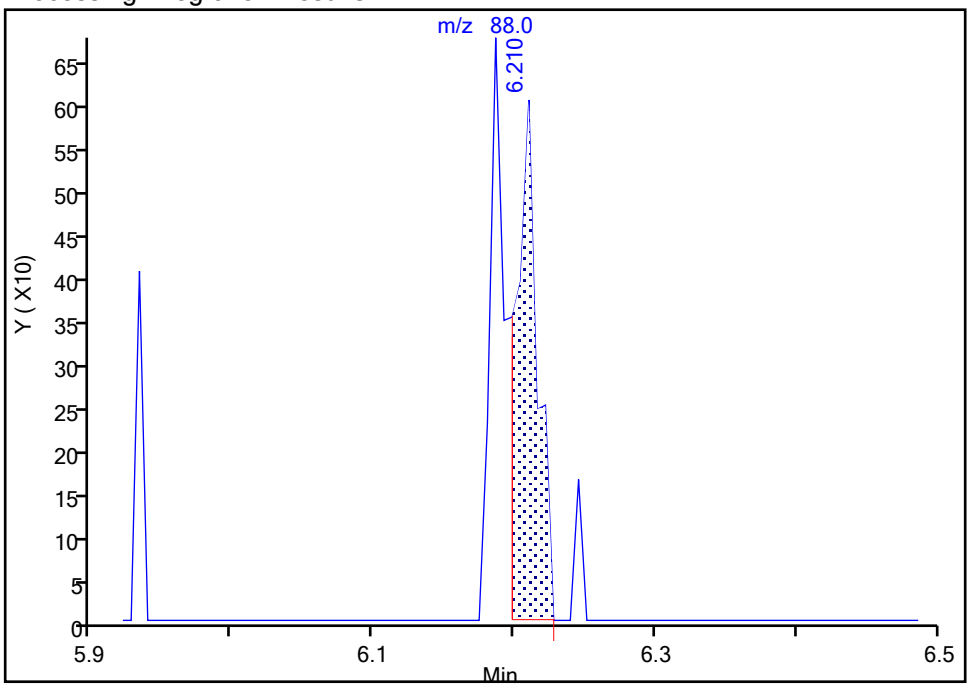
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 1,4-Dioxane, CAS: 123-91-1

Signal: 1

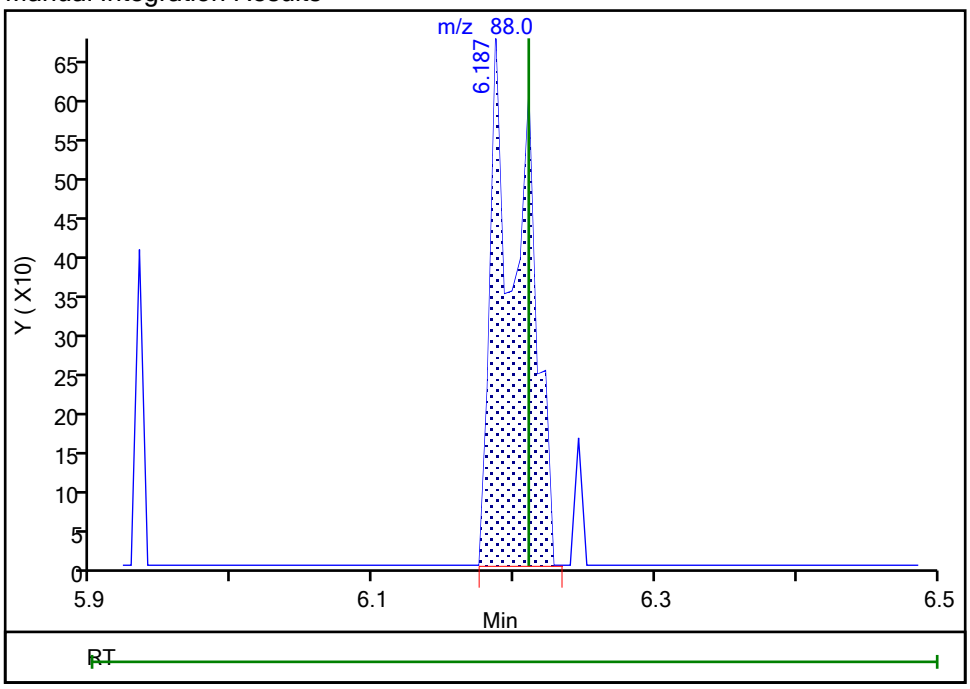
Processing Integration Results

RT: 6.21
Area: 649
Amount: 14.447173
Amount Units: ug/l



Manual Integration Results

RT: 6.19
Area: 1089
Amount: 20.526225
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

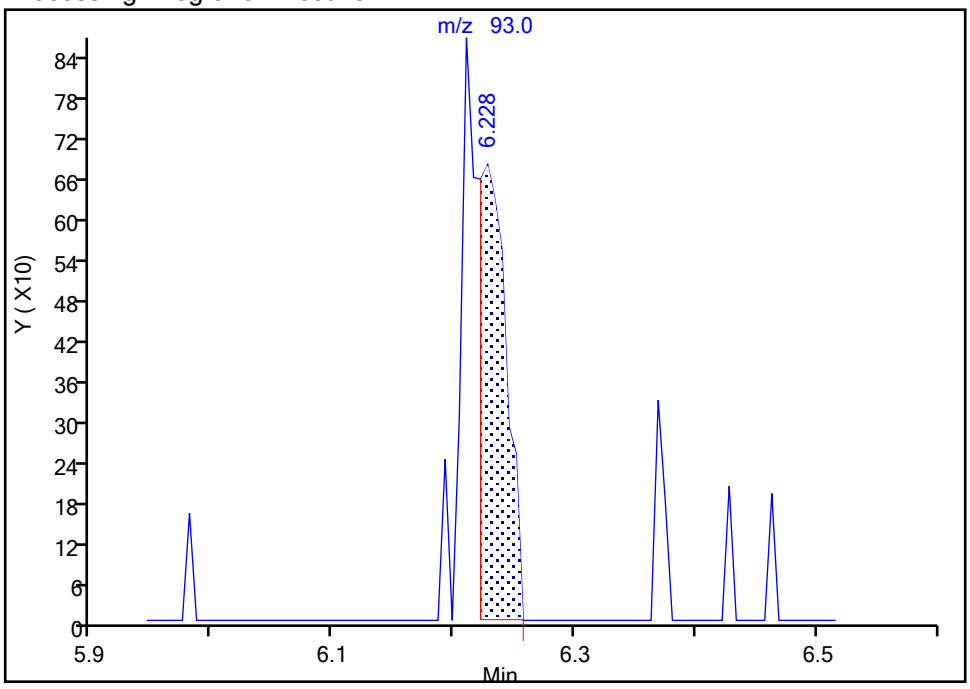
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

76 Dibromomethane, CAS: 74-95-3

Signal: 1

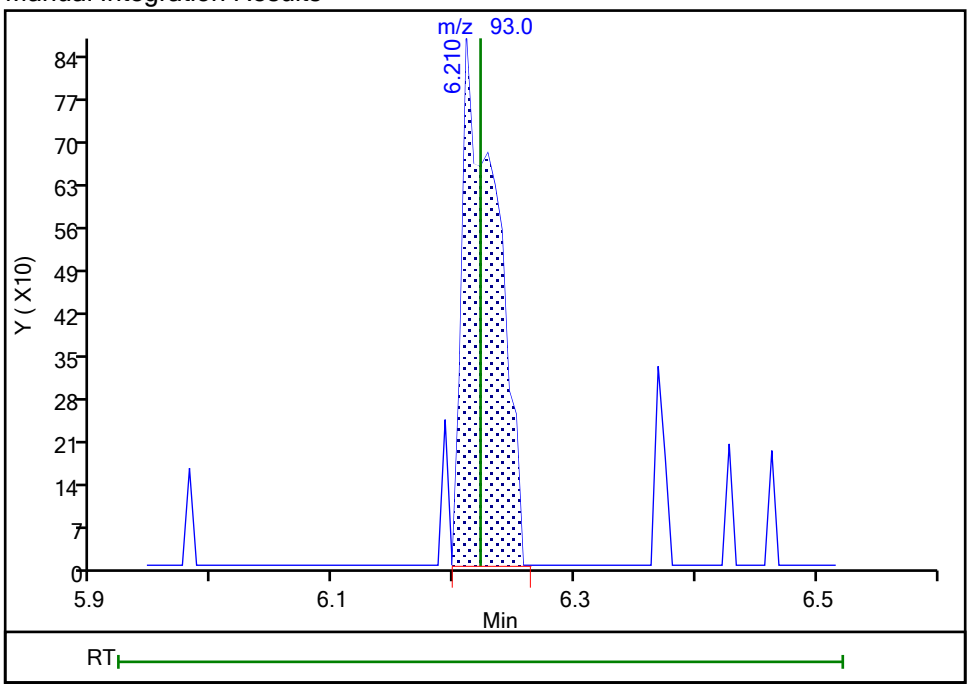
Processing Integration Results

RT: 6.23
Area: 1078
Amount: 0.638239
Amount Units: ug/l



Manual Integration Results

RT: 6.21
Area: 1725
Amount: 0.945078
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:21 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

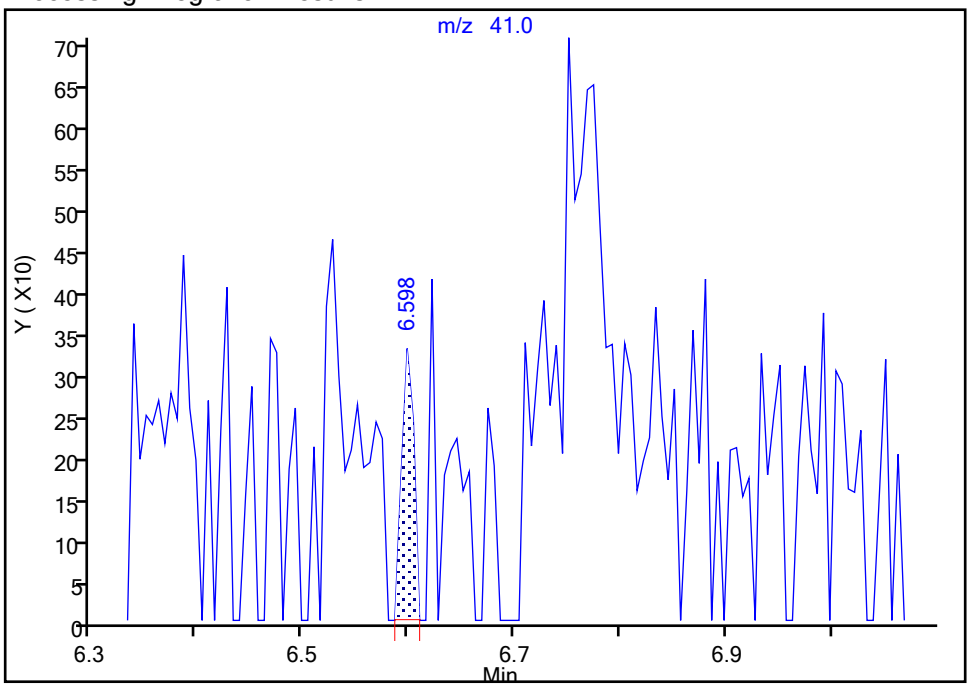
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

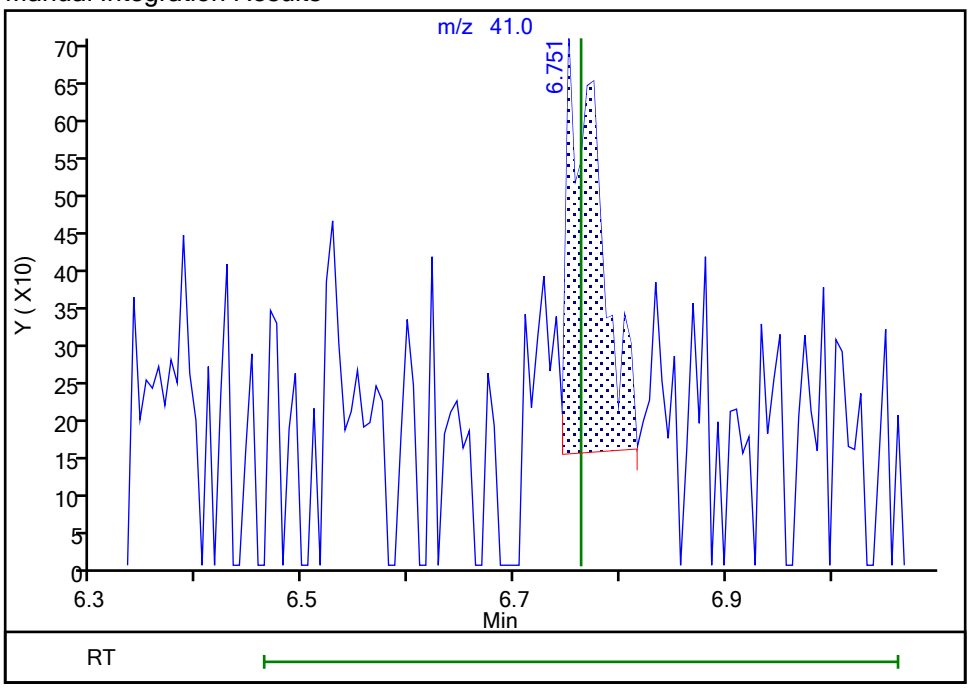
Processing Integration Results

RT: 6.60
Area: 262
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 6.75
Area: 1198
Amount: 2.428854
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:25 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

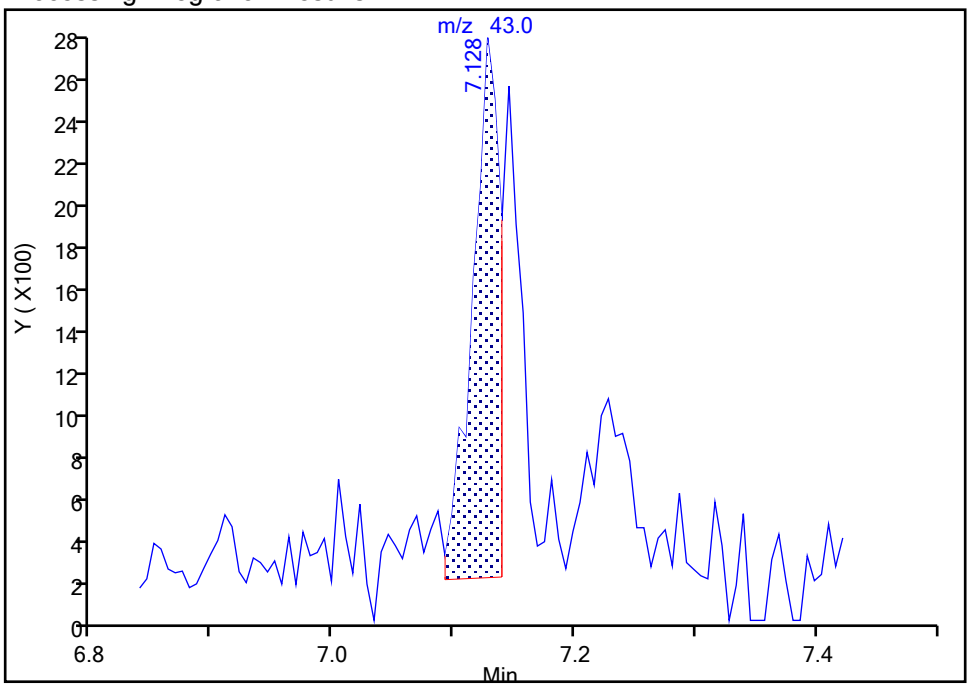
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

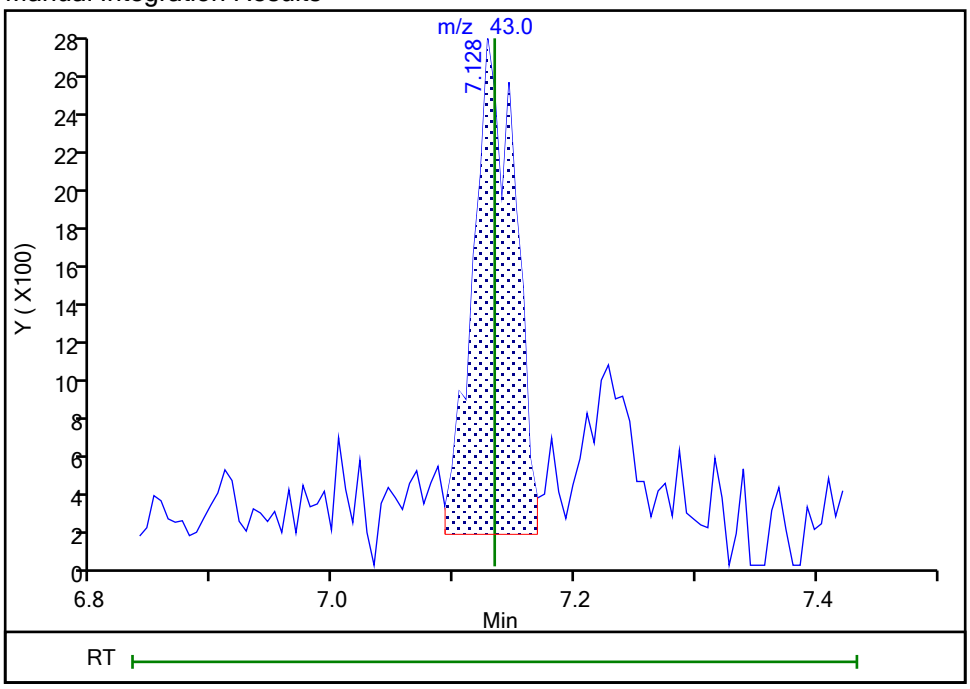
Processing Integration Results

RT: 7.13
Area: 4142
Amount: 3.857295
Amount Units: ug/l



Manual Integration Results

RT: 7.13
Area: 6370
Amount: 5.132863
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:38 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

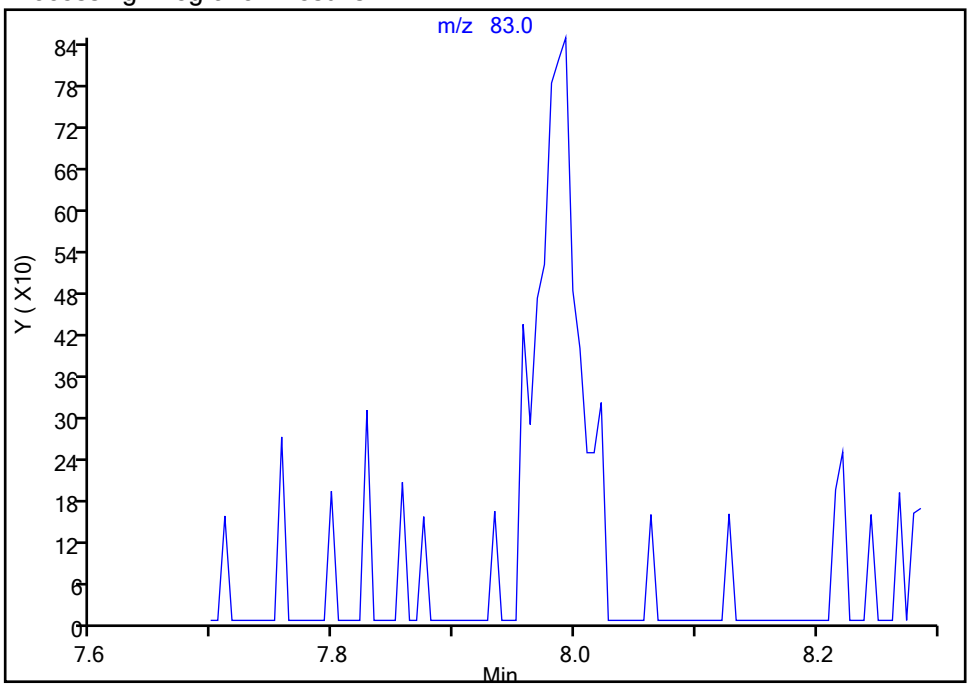
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

87 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

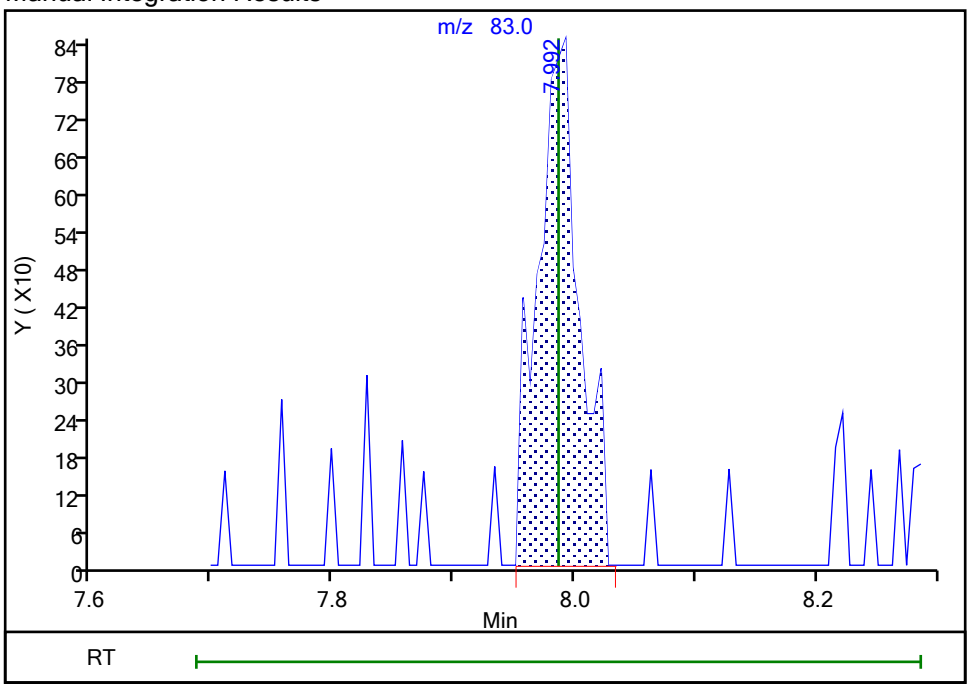
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.99
Area: 2058
Amount: 1.105798
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:44 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

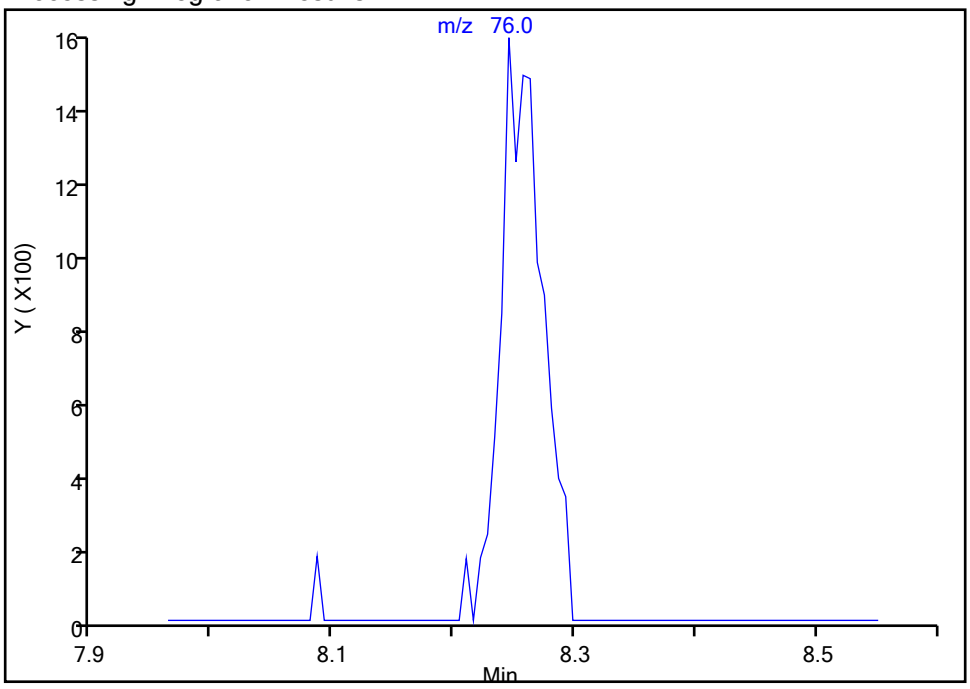
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

89 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

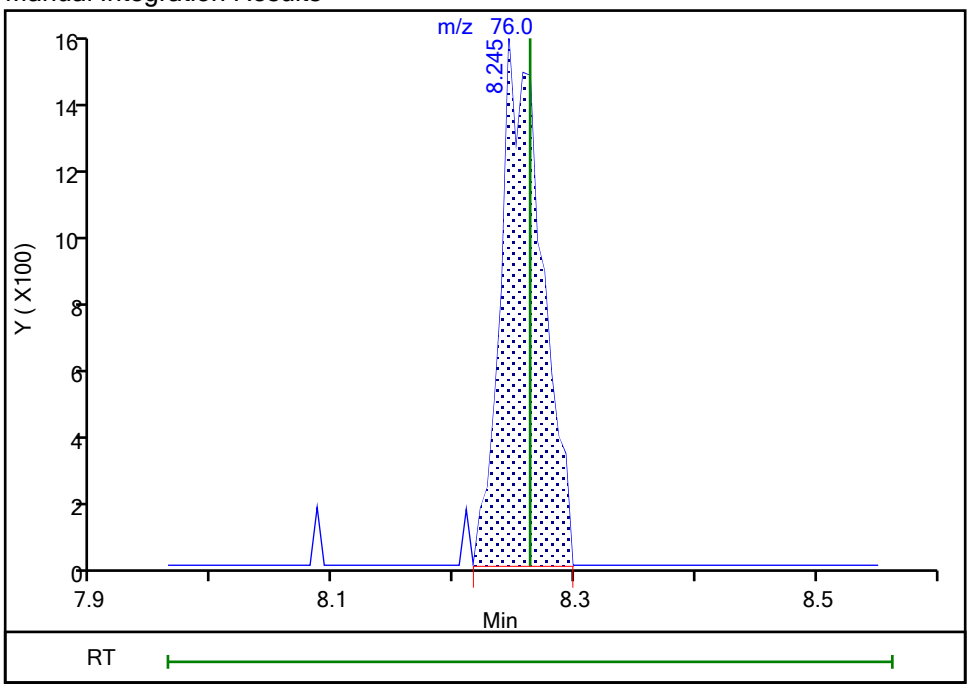
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.25
Area: 3652
Amount: 1.051239
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:49 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

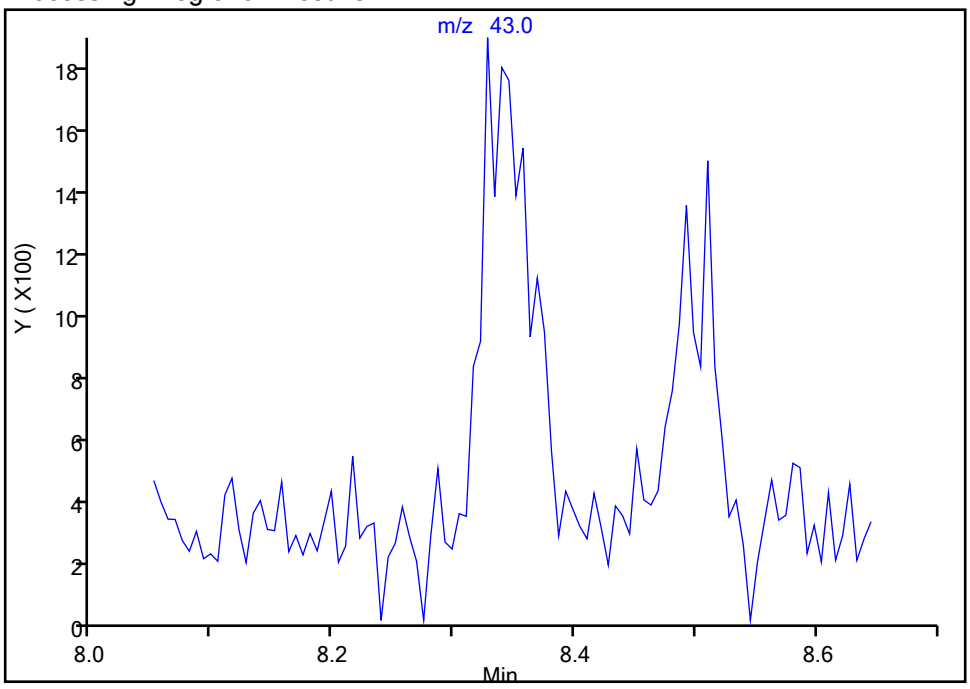
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

90 2-Hexanone, CAS: 591-78-6

Signal: 1

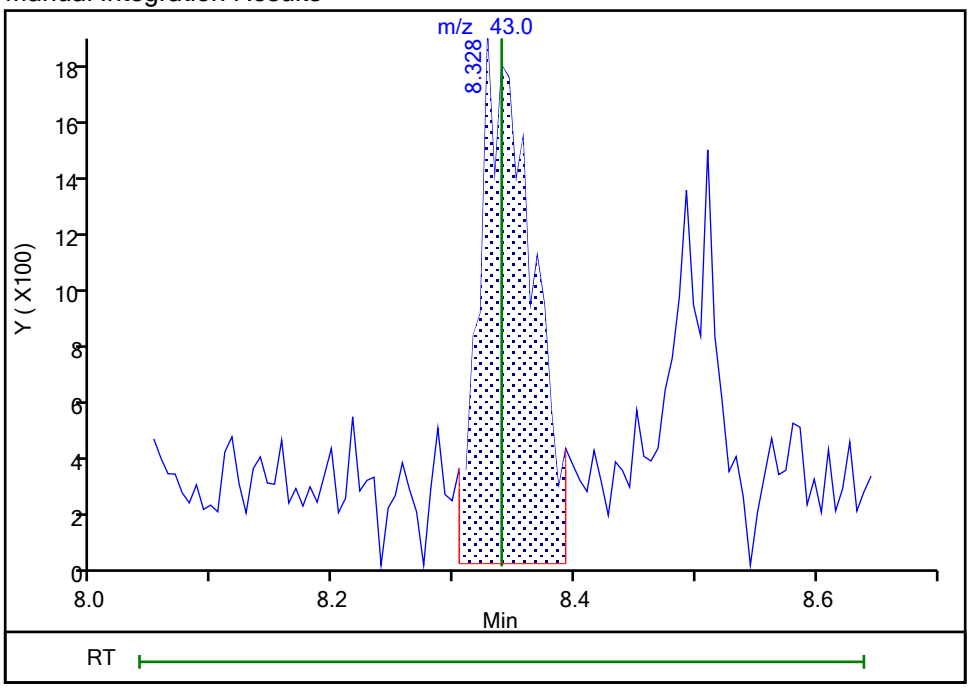
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 5521
Amount: 3.835166
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:37:58 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

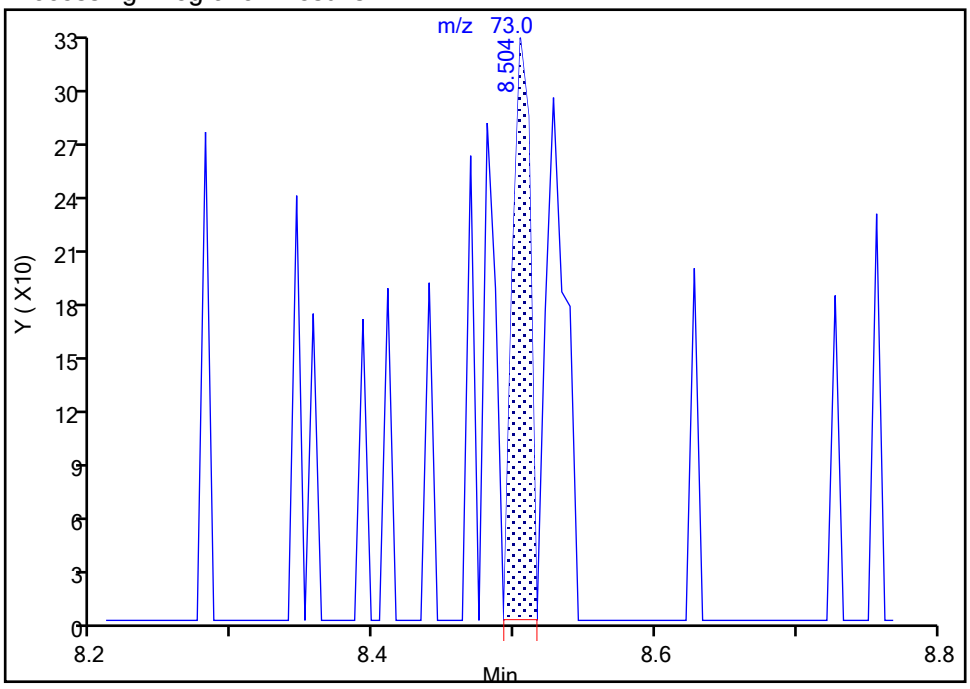
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

91 n-Butyl acetate, CAS: 123-86-4

Signal: 1

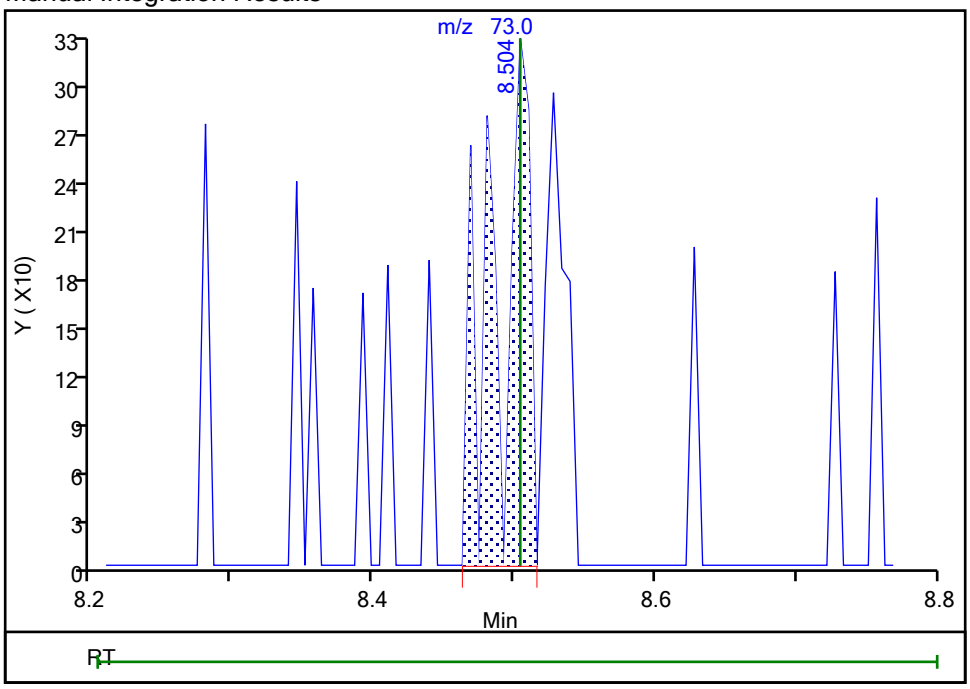
Processing Integration Results

RT: 8.50
Area: 279
Amount: 0.629750
Amount Units: ug/l



Manual Integration Results

RT: 8.50
Area: 530
Amount: 1.052321
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:16:52 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Edison

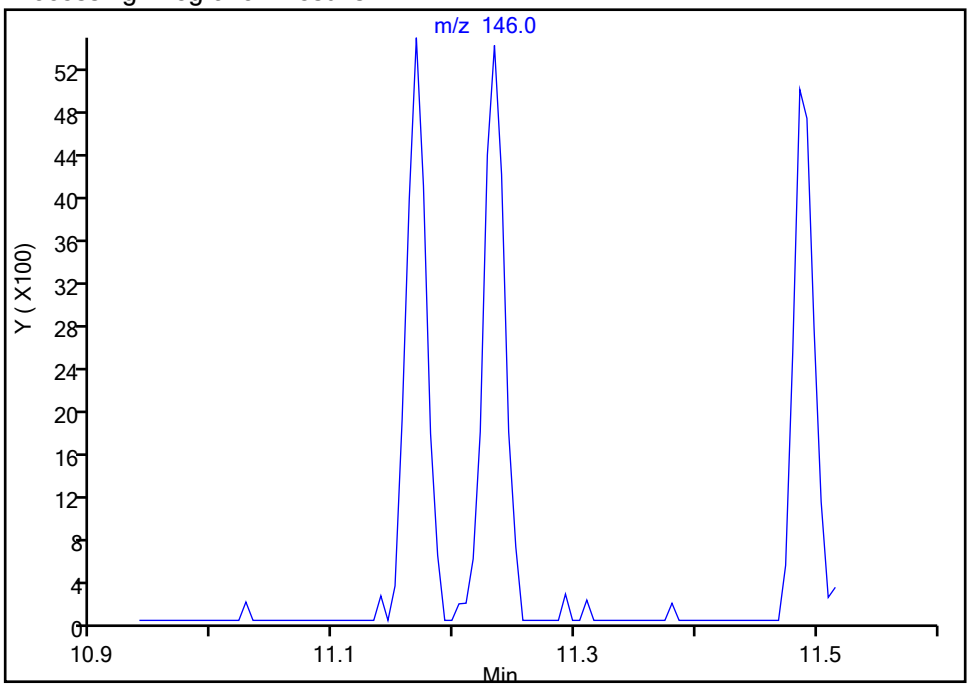
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

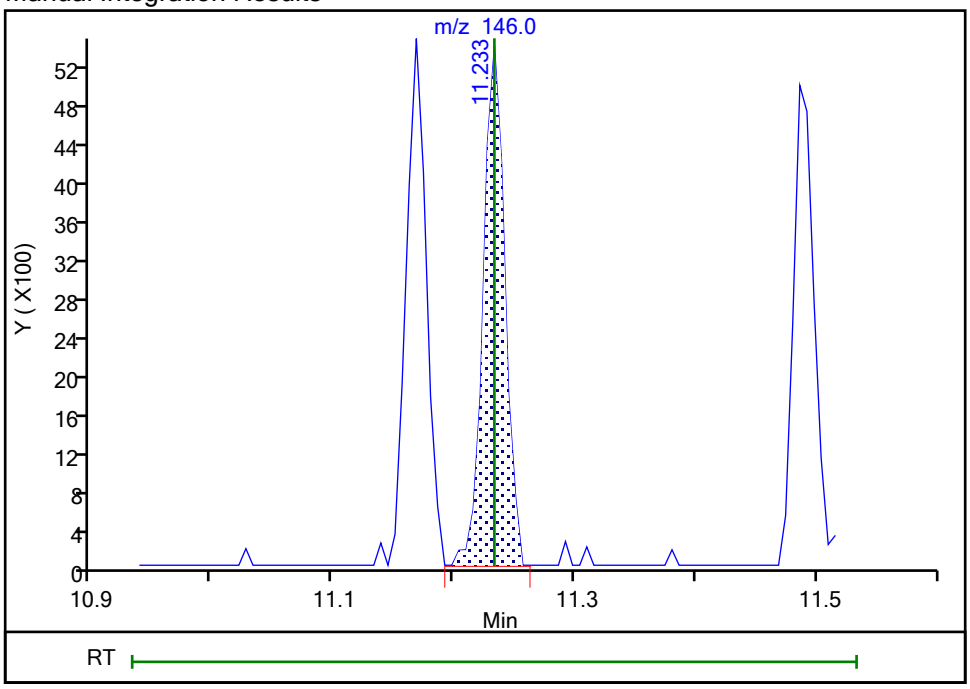
Not Detected
Expected RT: 11.23

Processing Integration Results



Manual Integration Results

RT: 11.23
Area: 6683
Amount: 0.996508
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:38:25 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

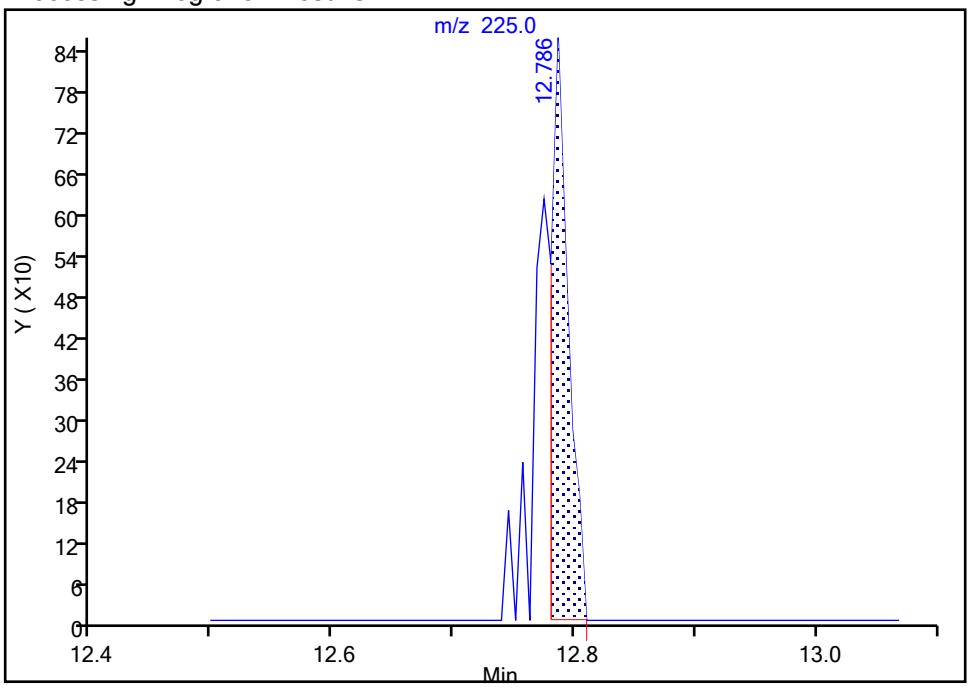
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

133 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

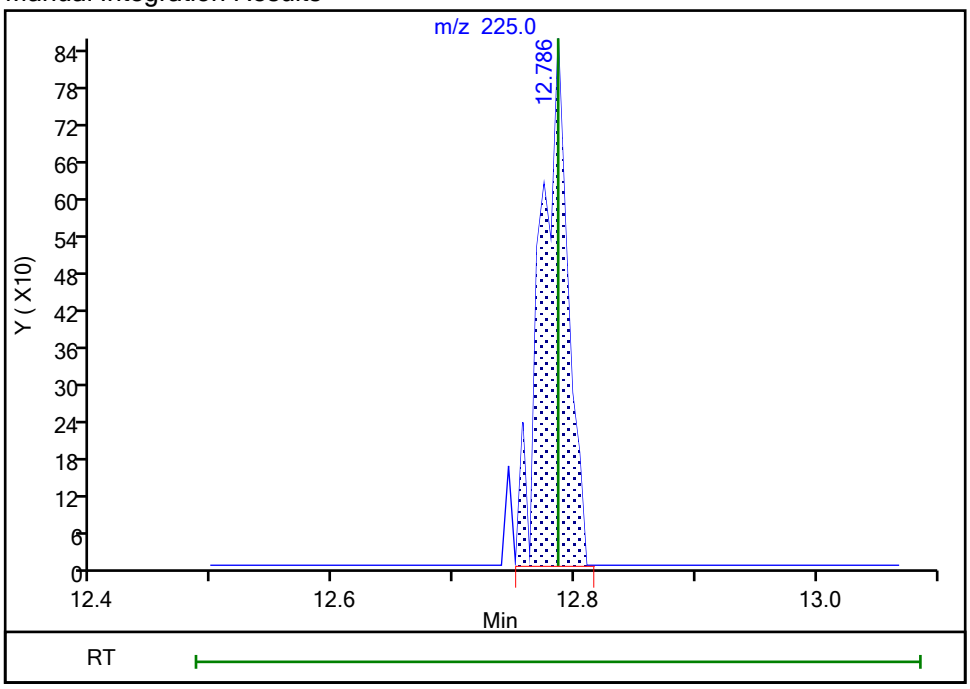
Processing Integration Results

RT: 12.79
Area: 850
Amount: 0.015157
Amount Units: ug/l



Manual Integration Results

RT: 12.79
Area: 1335
Amount: 0.953363
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:38:36 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

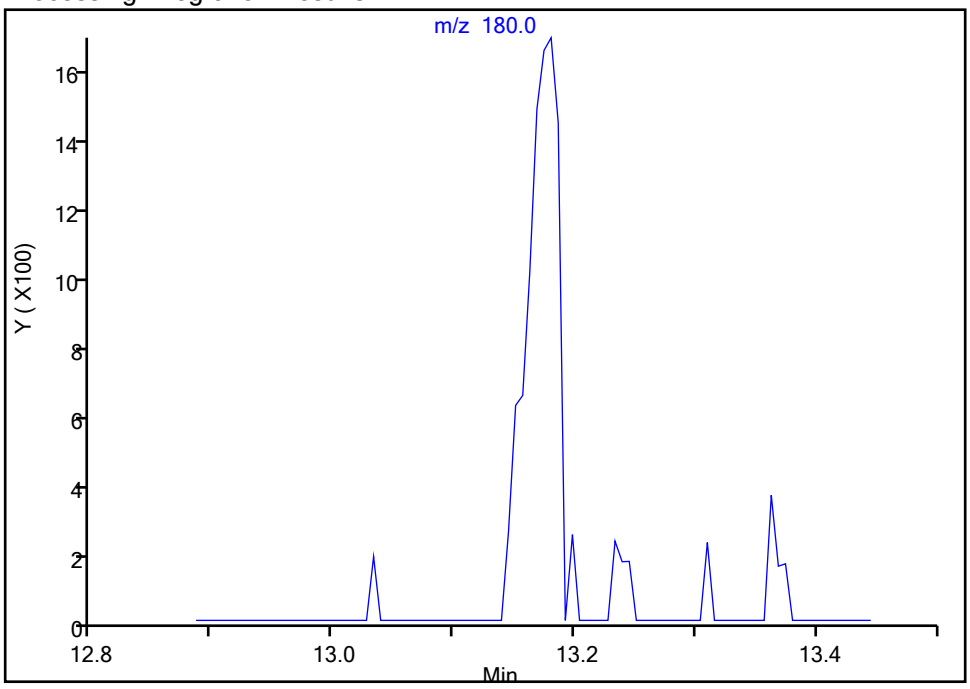
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22881.D
Injection Date: 01-Mar-2025 16:30:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

135 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

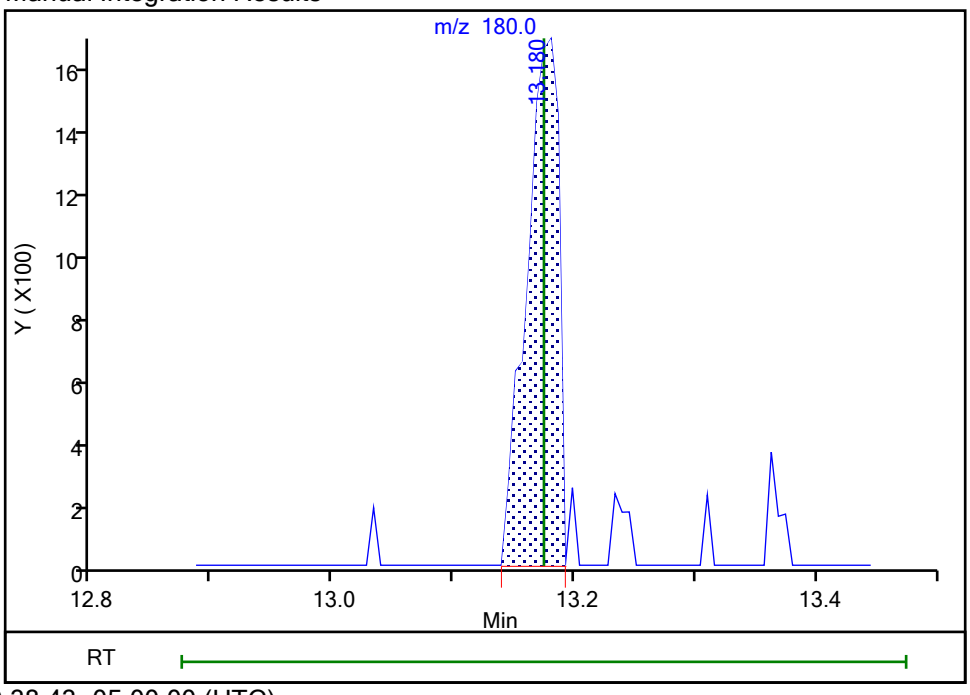
Not Detected
Expected RT: 13.17

Processing Integration Results



Manual Integration Results

RT: 13.18
Area: 3128
Amount: 0.957874
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:38:43 -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\20250301-187452.b\A22882.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Mar-2025 16:55:30 ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0187452-005
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:52:47 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:40:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	81	3334	5.00	4.09	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	98	16429	5.00	3.52	M
165 Chlorodifluoromethane	51	1.581	1.575	0.006	96	16761	5.00	5.33	M
6 Chloromethane	50	1.734	1.734	0.000	99	15178	5.00	4.83	
7 Vinyl chloride	62	1.804	1.804	0.000	96	15718	5.00	4.52	
172 Butadiene	39	1.828	1.828	0.000	94	12401	5.00	4.60	
9 Bromomethane	94	2.081	2.081	0.000	98	11030	5.00	4.36	
10 Chloroethane	64	2.157	2.157	0.000	97	12483	5.00	4.94	
174 Dichlorofluoromethane	67	2.310	2.310	0.000	99	33464	5.00	6.13	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	24713	5.00	5.06	
13 Pentane	72	2.363	2.363	0.000	96	4888	10.0	9.15	
14 Ethanol	46	2.487	2.487	0.000	85	1153	200.0	167.3	
15 Ethyl ether	59	2.540	2.540	0.000	90	10034	5.00	5.28	
16 2-Methyl-1,3-butadiene	53	2.569	2.563	0.006	81	9945	5.00	4.96	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	87	12722	5.00	5.03	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.622	2.622	0.000	95	17330	5.00	4.56	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.001	95	12899	5.00	4.96	
19 Acrolein	56	2.704	2.704	0.000	39	5197	20.0	18.3	
21 1,1-Dichloroethene	96	2.746	2.740	0.006	92	11845	5.00	4.58	
22 Acetone	58	2.810	2.822	-0.012	86	4025	25.0	26.9	
24 Isopropyl alcohol	45	2.875	2.875	0.000	47	5246	50.0	52.6	a
23 Iodomethane	142	2.893	2.893	0.000	99	8602	5.00	2.72	
25 Carbon disulfide	76	2.934	2.934	0.000	99	38400	5.00	4.58	
27 Methyl acetate	43	3.046	3.040	0.006	76	11163	10.0	9.02	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	81	8012	5.00	4.92	
166 Cyclopentene	67	3.063	3.063	0.000	87	30012	5.00	4.65	a
29 Acetonitrile	41	3.104	3.104	0.000	99	7807	50.0	45.4	a
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	149607	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.163	0.000	78	14036	5.00	4.82	
32 2-Methyl-2-propanol	59	3.187	3.193	-0.006	79	8620	50.0	53.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.310	3.310	0.000	95	32556	5.00	4.93	
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	88	13970	5.00	4.69	
35 Acrylonitrile	53	3.410	3.410	0.000	92	27145	50.0	47.5	
36 Hexane	43	3.487	3.487	0.000	88	5741	5.00	4.20	
37 Isopropyl ether	45	3.687	3.681	0.006	87	27038	5.00	4.87	
38 1,1-Dichloroethane	63	3.740	3.734	0.006	78	20136	5.00	4.66	
39 Vinyl acetate	86	3.740	3.740	0.000	97	5734	10.0	11.0	
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	89	12166	5.00	4.90	
41 Tert-butyl ethyl ether	59	3.998	3.998	0.000	92	34151	5.00	5.22	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	134786	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.240	-0.006	56	4745	5.00	4.72	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	97	15314	5.00	4.82	
46 Ethyl acetate	70	4.263	4.263	0.000	93	2513	10.0	11.3	
45 2-Butanone (MEK)	72	4.269	4.275	-0.006	98	5704	25.0	26.3	
47 Methyl acrylate	55	4.328	4.322	0.006	98	8081	5.00	5.13	
48 Propionitrile	54	4.416	4.410	0.006	96	10647	50.0	51.3	
50 Chlorobromomethane	128	4.498	4.493	0.006	71	7577	5.00	4.63	
49 Tetrahydrofuran	42	4.504	4.498	0.006	54	6663	10.0	11.7	
51 Methacrylonitrile	67	4.516	4.516	0.000	84	40074	50.0	47.9	
52 Chloroform	83	4.540	4.540	0.000	97	23496	5.00	4.63	
53 Cyclohexane	56	4.687	4.687	0.000	83	15374	5.00	4.62	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	90	21070	5.00	4.61	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	139463	50.0	49.5	
56 Carbon tetrachloride	117	4.822	4.828	-0.006	96	18922	5.00	4.59	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	95	15919	5.00	4.54	
58 Isobutyl alcohol	43	4.957	4.957	0.000	95	7356	125.0	138.5	a
59 Isooctane	57	5.028	5.022	0.006	60	23635	5.00	4.78	
60 Benzene	78	5.069	5.069	0.000	92	49698	5.00	4.83	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	127901	50.0	49.3	
62 Isopropyl acetate	61	5.098	5.104	-0.006	97	6745	5.00	5.55	
63 Tert-amyl methyl ether	87	5.128	5.122	0.006	96	11595	5.00	5.05	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	82	15726	5.00	4.83	
65 n-Heptane	71	5.210	5.216	-0.006	71	7530	5.00	4.98	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	502499	50.0	50.0	
67 n-Butanol	56	5.681	5.669	0.012	70	5416	125.0	119.2	
68 Trichloroethene	95	5.757	5.757	0.000	97	14857	5.00	5.01	
69 Ethyl acrylate	99	5.881	5.875	0.006	92	2219	5.00	5.29	
70 Methylcyclohexane	83	5.898	5.892	0.006	85	18369	5.00	4.58	
71 1,2-Dichloropropane	63	6.081	6.069	0.012	87	11723	5.00	5.13	
* 73 1,4-Dioxane-d8	96	6.145	6.139	0.006	0	21306	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.145	0.006	74	14394	10.0	9.84	
74 n-Propyl acetate	43	6.210	6.204	0.006	95	10326	5.00	4.95	
75 1,4-Dioxane	88	6.204	6.210	-0.006	33	2400	100.0	85.4	
76 Dibromomethane	93	6.222	6.222	0.000	91	9173	5.00	5.18	
77 Dichlorobromomethane	83	6.387	6.387	0.001	98	16716	5.00	4.64	
79 2-Nitropropane	41	6.763	6.763	0.000	96	5437	10.0	11.4	
80 Epichlorohydrin	57	6.881	6.886	-0.005	95	13293	100.0	96.7	
81 cis-1,3-Dichloropropene	75	6.951	6.951	0.000	89	12641	5.00	3.19	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	92	33078	25.0	25.3	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	498798	50.0	50.6	
84 Toluene	91	7.316	7.322	-0.006	91	59215	5.00	5.07	
86 trans-1,3-Dichloropropene	75	7.716	7.716	0.000	97	18217	5.00	5.02	

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	7.757	7.751	0.006	79	13476	5.00	4.78	
87 1,1,2-Trichloroethane	83	7.986	7.986	0.000	95	9500	5.00	5.04	
88 Tetrachloroethene	166	8.039	8.039	0.000	94	14490	5.00	4.80	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	89	17876	5.00	5.08	
90 2-Hexanone	58	8.345	8.339	0.006	90	9608	25.0	18.9	
91 n-Butyl acetate	73	8.498	8.504	-0.006	96	2806	5.00	5.50	
92 Chlorodibromomethane	129	8.563	8.569	-0.006	96	15054	5.00	5.34	
93 Ethylene Dibromide	107	8.763	8.769	-0.006	92	12153	5.00	5.16	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	386231	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	96	37917	5.00	4.91	
96 Ethylbenzene	106	9.433	9.433	0.000	98	20705	5.00	4.82	
97 1,1,1,2-Tetrachloroethane	131	9.451	9.445	0.006	92	14413	5.00	4.93	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	25679	5.00	4.96	
99 n-Butyl acrylate	73	9.927	9.933	-0.006	97	8436	5.00	4.85	
100 o-Xylene	106	9.945	9.945	0.000	94	24404	5.00	4.83	
101 Styrene	104	9.975	9.975	0.001	96	40704	5.00	4.73	
102 Amyl acetate (mixed isomers)	43	10.127	10.127	0.000	91	14226	5.00	5.32	
103 Bromoform	173	10.157	10.157	0.000	92	8210	5.00	4.55	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	54876	5.00	4.64	
$ 105 4-Bromofluorobenzene	174	10.416	10.410	0.006	95	161858	50.0	50.6	
107 Bromobenzene	156	10.516	10.522	-0.006	93	16259	5.00	4.89	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	96	13427	5.00	5.22	
108 N-Propylbenzene	91	10.569	10.569	0.000	99	70392	5.00	4.70	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	85	4986	5.00	5.50	
109 trans-1,4-Dichloro-2-butene	53	10.598	10.598	0.000	59	2688	5.00	4.50	
112 2-Chlorotoluene	91	10.651	10.651	0.000	91	47406	5.00	4.55	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	62282	5.00	4.74	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	94	50854	5.00	4.77	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	44211	5.00	4.87	
114 Butyl Methacrylate	87	10.769	10.769	0.000	83	17599	5.00	5.04	
116 tert-Butylbenzene	119	10.922	10.922	0.000	95	45015	5.00	4.77	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	97	54471	5.00	4.79	
118 sec-Butylbenzene	134	11.063	11.069	-0.006	99	14087	5.00	4.89	
119 4-Isopropyltoluene	119	11.157	11.157	0.000	97	57654	5.00	4.54	
120 1,3-Dichlorobenzene	146	11.169	11.169	0.000	96	30932	5.00	4.60	
* 121 1,4-Dichlorobenzene-d4	152	11.216	11.221	-0.005	94	210338	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.233	11.233	0.000	96	33260	5.00	4.84	
123 1,2,3-Trimethylbenzene	105	11.239	11.245	-0.006	96	62618	5.00	5.27	
124 Benzyl chloride	91	11.333	11.333	0.000	99	26335	5.00	4.94	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	93	50788	5.00	4.76	
164 p-Diethylbenzene	119	11.410	11.410	0.000	93	36236	5.00	4.78	
127 n-Butylbenzene	92	11.427	11.427	0.000	96	24719	5.00	4.34	
128 1,2-Dichlorobenzene	146	11.486	11.492	-0.006	97	30257	5.00	4.97	
163 1,2,4,5-Tetramethylbenzene	119	11.957	11.963	-0.006	98	55020	5.00	4.93	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	87	2969	5.00	5.53	
131 1,3,5-Trichlorobenzene	180	12.169	12.168	0.000	95	22766	5.00	4.95	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	91	19288	5.00	4.87	
133 Hexachlorobutadiene	225	12.780	12.786	-0.006	85	7003	5.00	4.88	
134 Naphthalene	128	12.939	12.945	-0.006	98	41552	5.00	5.11	
135 1,2,3-Trichlorobenzene	180	13.168	13.174	-0.006	95	16673	5.00	4.98	
S 136 1,2-Dichloroethene, Total	100				0		10.0	9.51	
S 137 Xylenes, Total	100				0		10.0	9.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00629	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00201	Amount Added:	10.00	Units: uL	
524FREONS_00031	Amount Added:	10.00	Units: uL	
ACROLEIN W_00180	Amount Added:	4.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2025 16:52:47 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D

Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1 Operator ID:

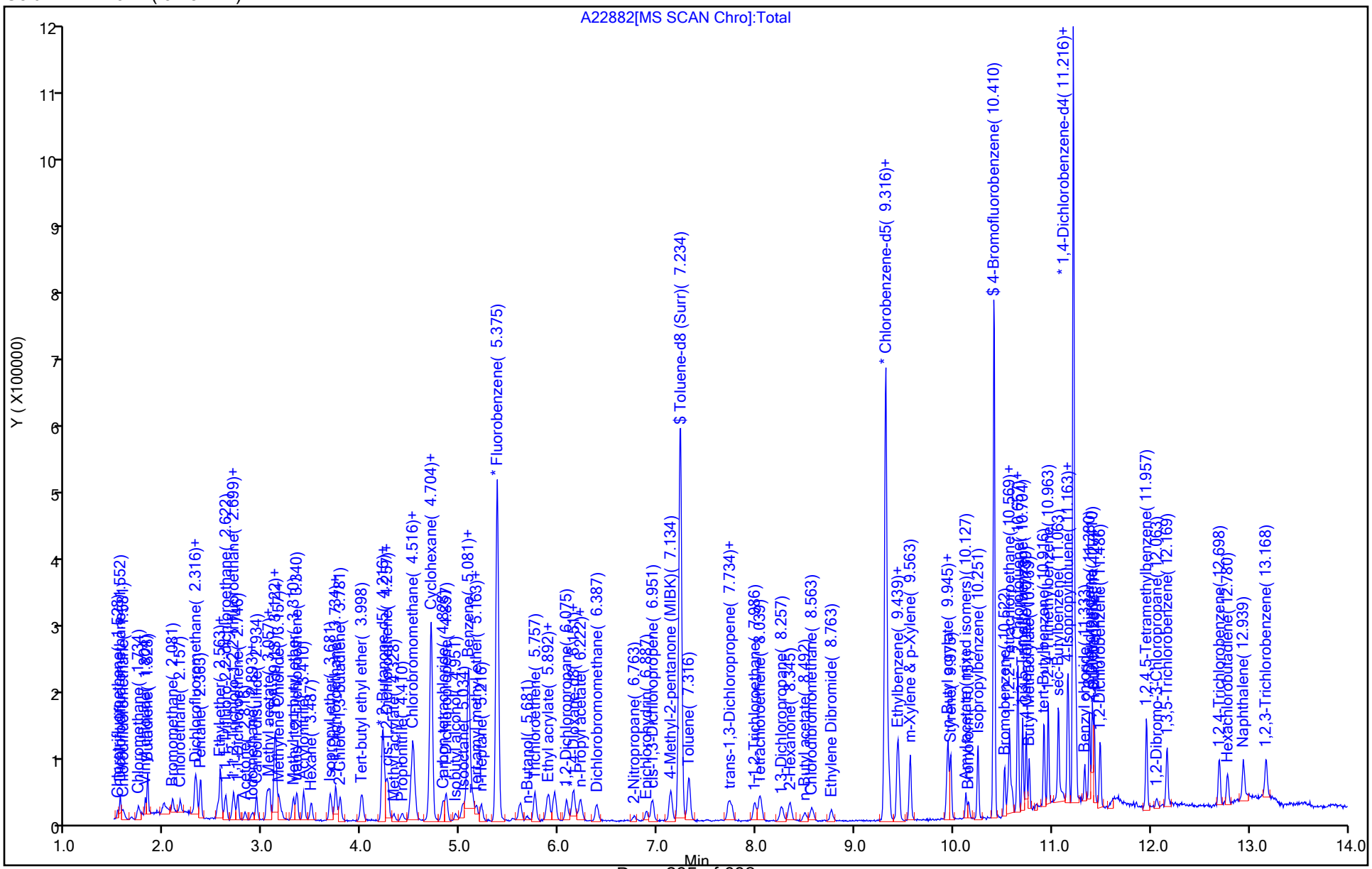
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

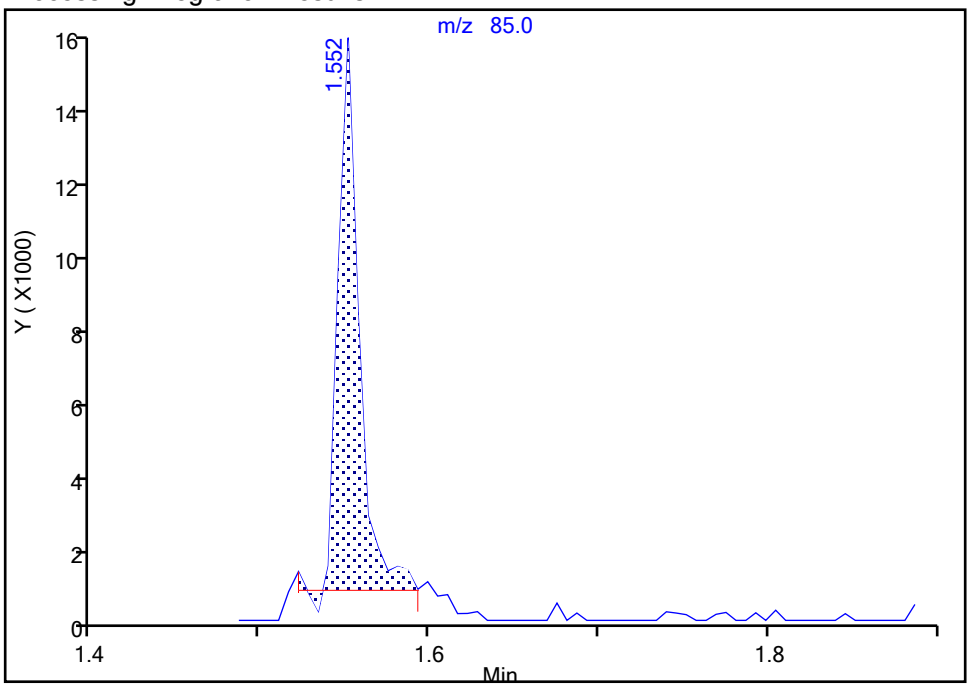
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

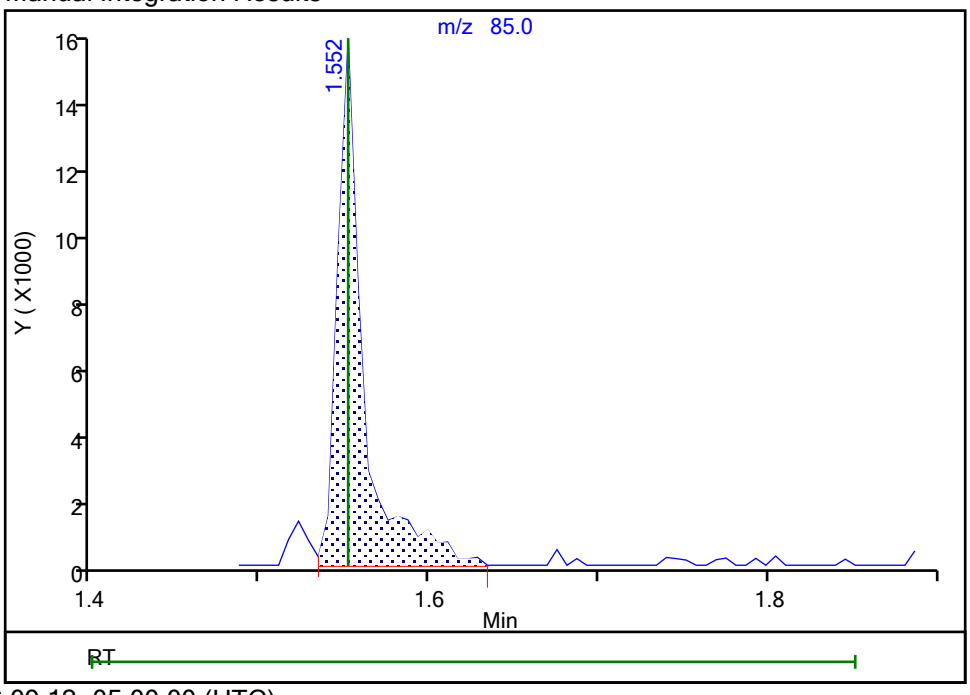
Processing Integration Results

RT: 1.55
Area: 12378
Amount: 2.652795
Amount Units: ug/l



Manual Integration Results

RT: 1.55
Area: 16429
Amount: 3.519317
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:09:12 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

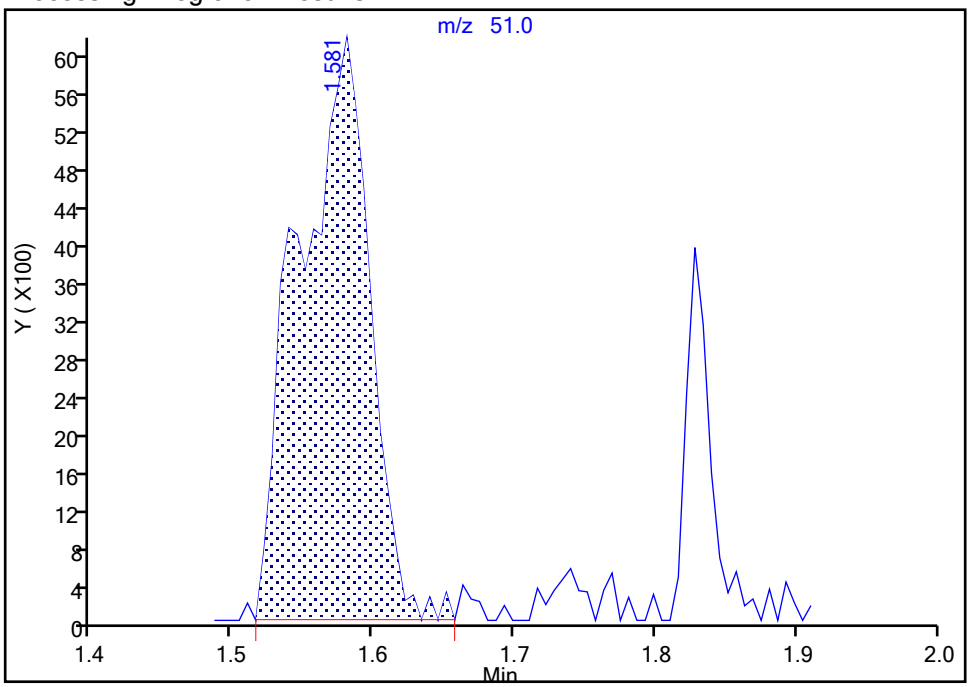
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

165 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

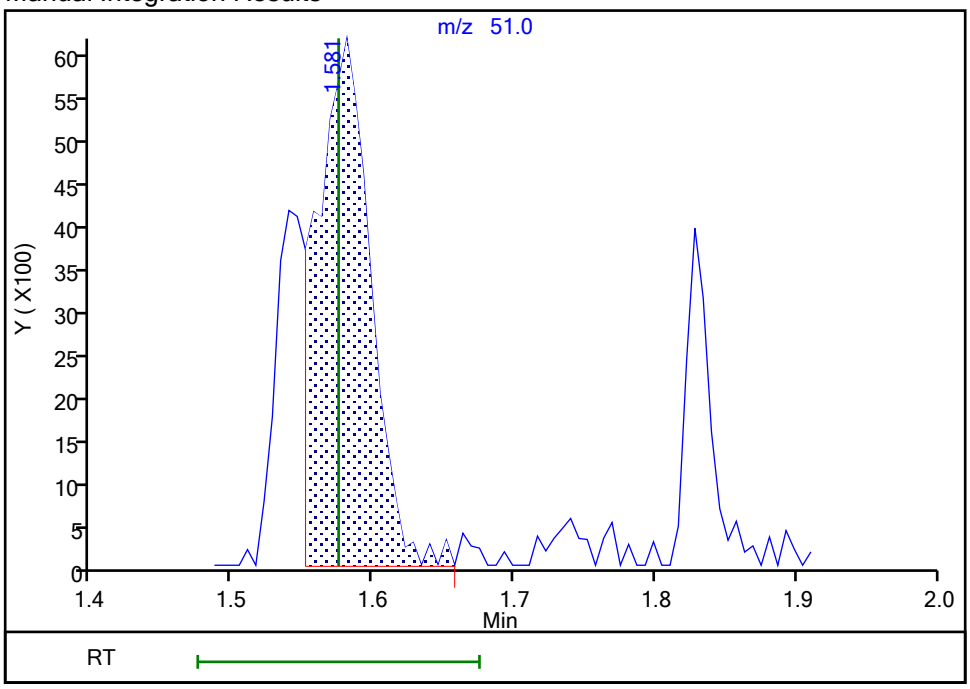
Processing Integration Results

RT: 1.58
Area: 21825
Amount: 5.766913
Amount Units: ug/l



Manual Integration Results

RT: 1.58
Area: 16761
Amount: 5.330503
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:39:16 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

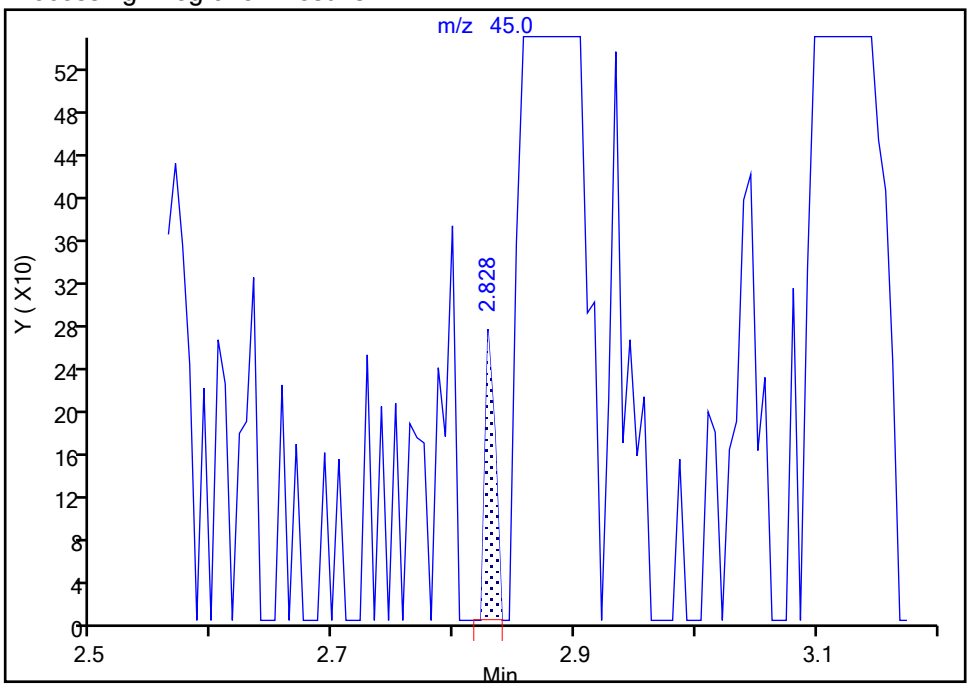
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

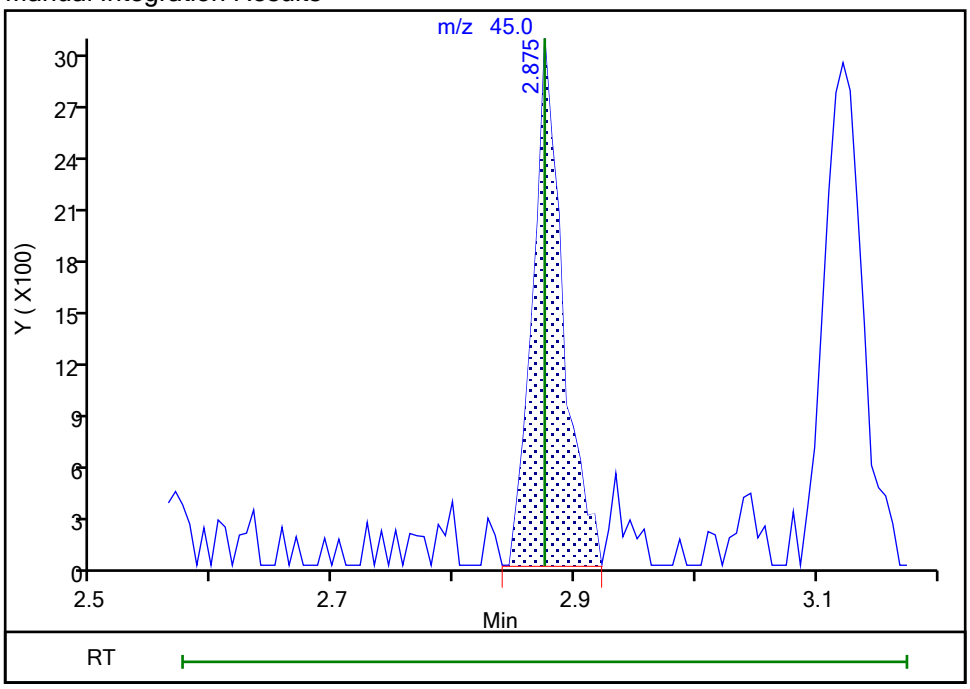
Processing Integration Results

RT: 2.83
Area: 157
Amount: 1.854022
Amount Units: ug/l



Manual Integration Results

RT: 2.87
Area: 5246
Amount: 52.646208
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:39:26 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

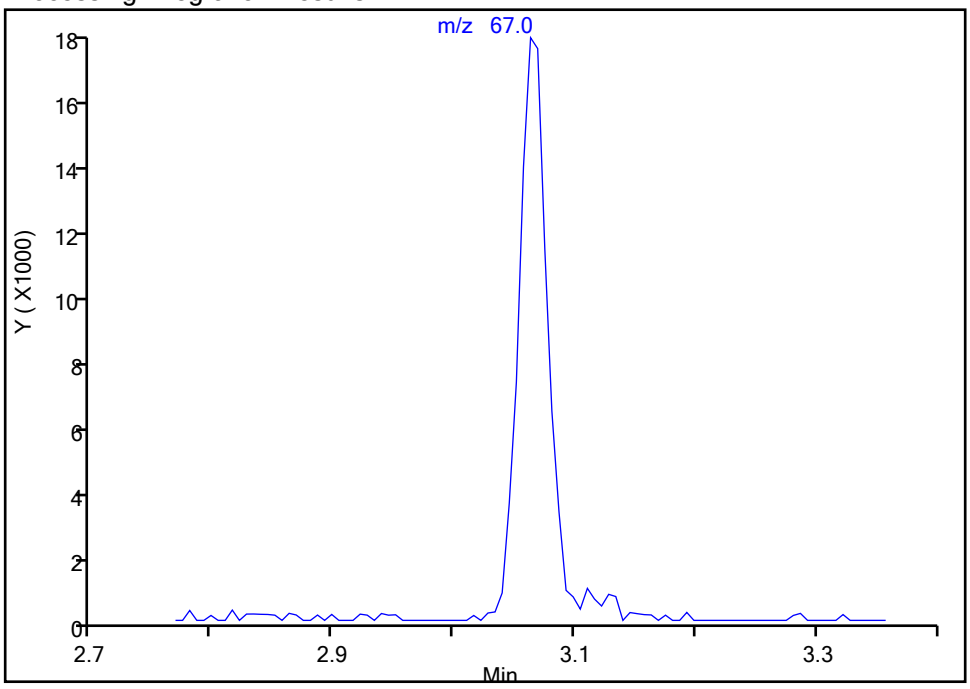
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

166 Cyclopentene, CAS: 142-29-0

Signal: 1

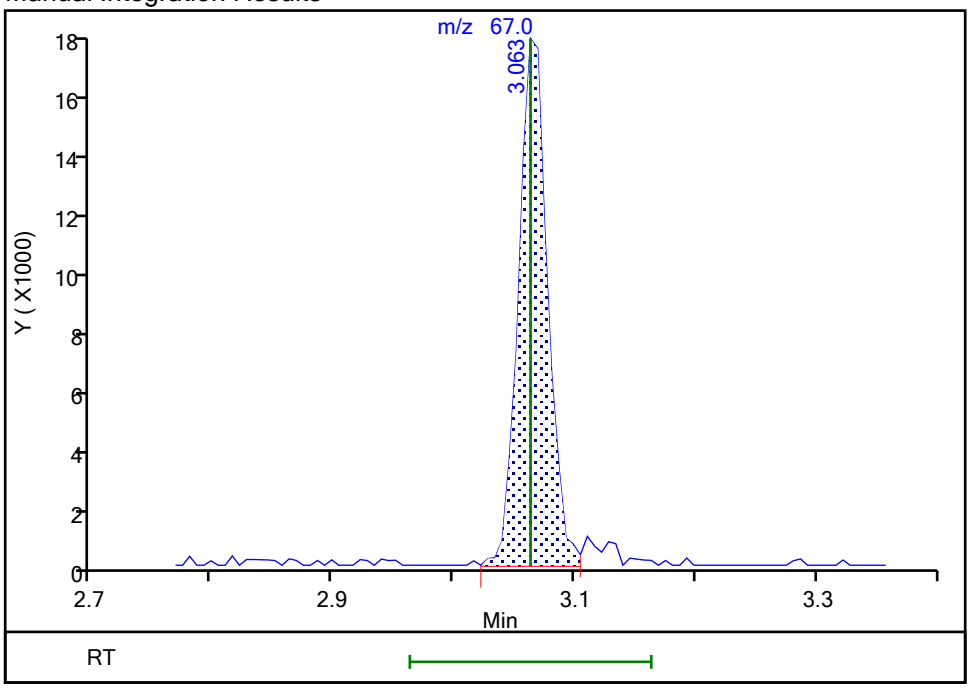
Not Detected
Expected RT: 3.06

Processing Integration Results



Manual Integration Results

RT: 3.06
Area: 30012
Amount: 4.646557
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:39:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

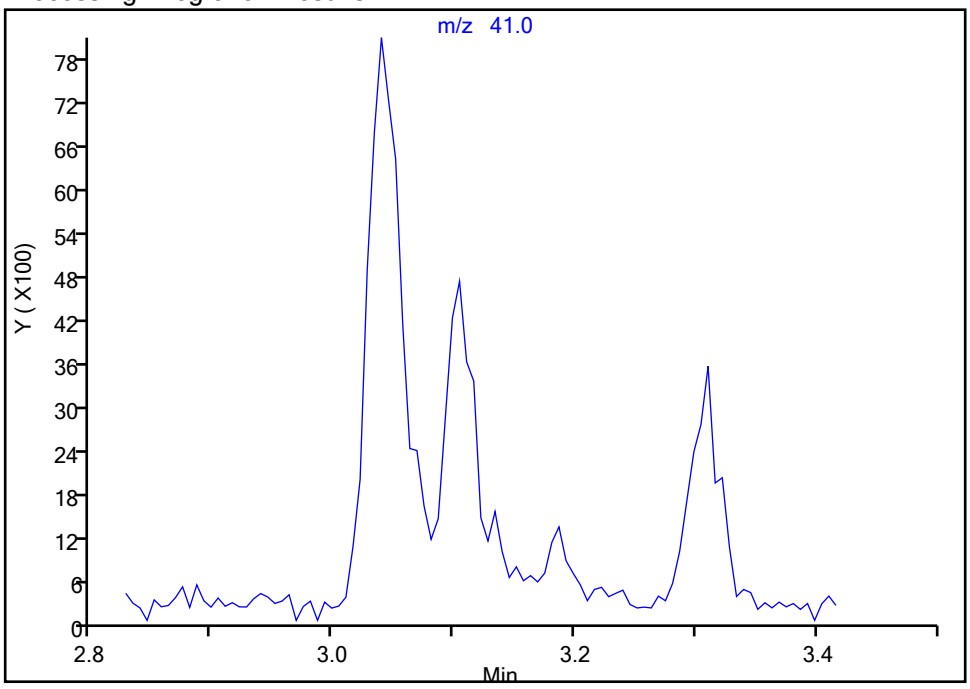
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

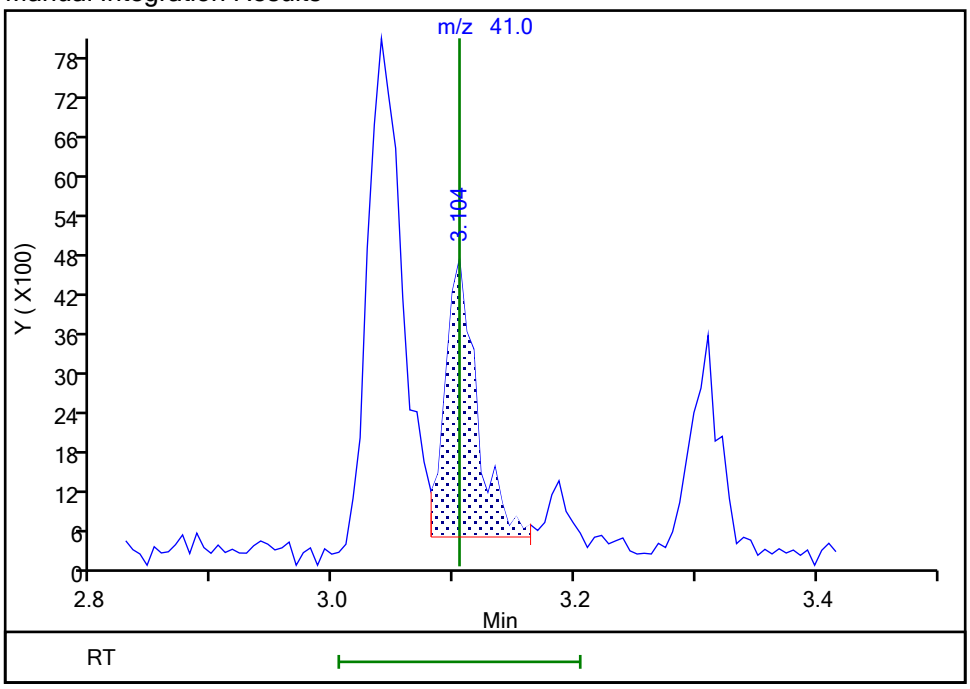
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 7807
Amount: 45.400343
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:39:35 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

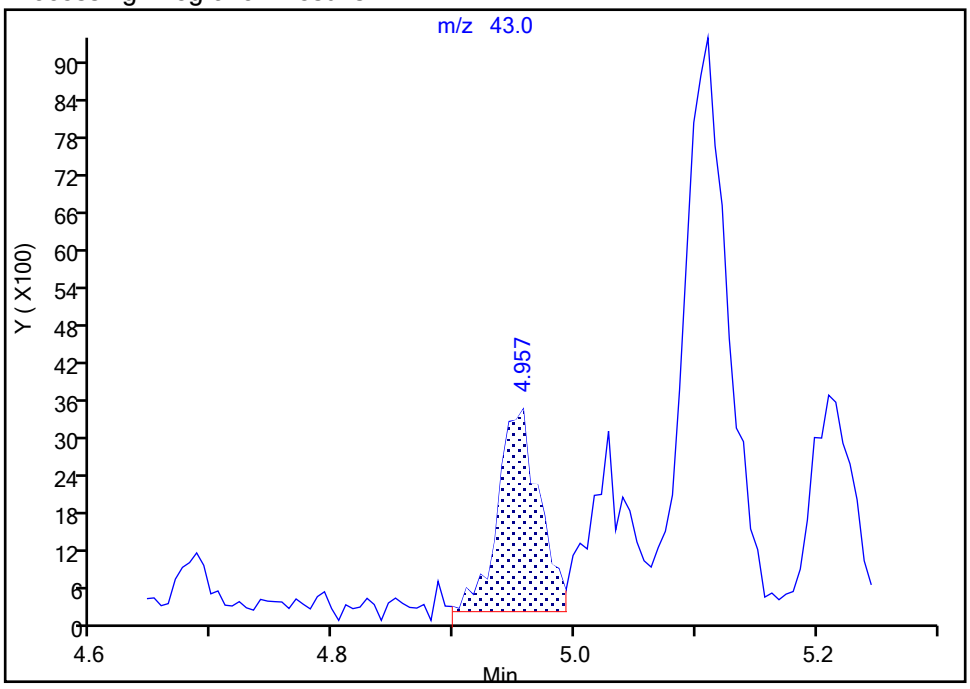
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22882.D
Injection Date: 01-Mar-2025 16:55:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

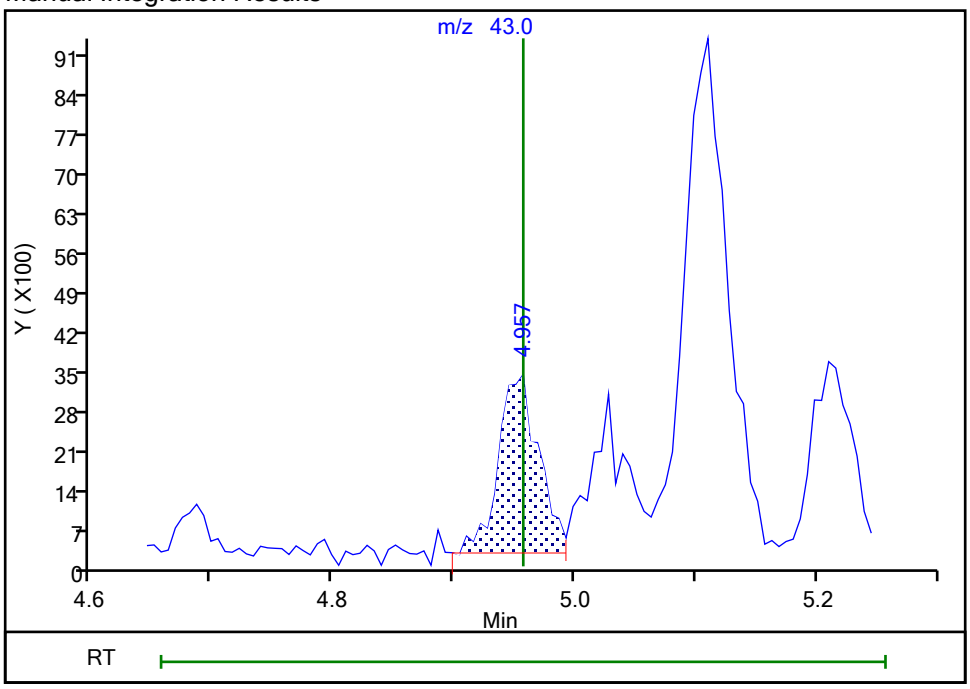
Processing Integration Results

RT: 4.96
Area: 7758
Amount: 47.601255
Amount Units: ug/l



Manual Integration Results

RT: 4.96
Area: 7356
Amount: 138.5012
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:39:56 -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\20250301-187452.b\A22883.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 01-Mar-2025 17:19:30 ALS Bottle#: 8 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0187452-006
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:53:03 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:31:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	90	15579	20.0	18.8	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	98	67475	20.0	14.2	
165 Chlorodifluoromethane	51	1.575	1.575	0.000	78	62342	20.0	19.5	
6 Chloromethane	50	1.734	1.734	0.000	98	56866	20.0	17.8	
7 Vinyl chloride	62	1.804	1.804	0.000	98	67511	20.0	19.1	
172 Butadiene	39	1.828	1.828	0.000	93	51886	20.0	19.0	
9 Bromomethane	94	2.081	2.081	0.000	98	43631	20.0	17.0	
10 Chloroethane	64	2.157	2.157	0.000	98	46245	20.0	18.0	
174 Dichlorofluoromethane	67	2.310	2.310	0.000	98	98110	20.0	17.7	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	91380	20.0	18.4	
13 Pentane	72	2.363	2.363	0.000	93	19783	40.0	36.8	
14 Ethanol	46	2.487	2.487	0.000	75	5737	800.0	823.8	
15 Ethyl ether	59	2.540	2.540	0.000	90	35120	20.0	18.2	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	90	38739	20.0	19.0	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	89	49065	20.0	19.1	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.622	2.622	0.000	95	73875	20.0	19.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.000	96	51702	20.0	19.6	
19 Acrolein	56	2.704	2.704	0.000	30	10303	40.0	36.1	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	96	49544	20.0	18.9	
22 Acetone	58	2.822	2.822	0.000	86	12672	100.0	82.4	
24 Isopropyl alcohol	45	2.875	2.875	0.000	81	17169	200.0	194.8	
23 Iodomethane	142	2.893	2.893	0.000	98	39766	20.0	12.3	
25 Carbon disulfide	76	2.934	2.934	0.000	99	158808	20.0	18.6	
27 Methyl acetate	43	3.040	3.040	0.000	88	44886	40.0	40.7	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	80	29750	20.0	18.0	
166 Cyclopentene	67	3.063	3.063	0.000	94	125730	20.0	19.2	
29 Acetonitrile	41	3.104	3.104	0.000	73	32194	200.0	186.0	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	150597	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.163	0.000	81	53699	20.0	18.2	
32 2-Methyl-2-propanol	59	3.193	3.193	0.000	96	31047	200.0	189.5	

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	3.310	3.310	0.000	95	126734	20.0	18.9	
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	86	54933	20.0	18.2	
35 Acrylonitrile	53	3.410	3.410	0.000	93	110303	200.0	189.8	
36 Hexane	43	3.487	3.487	0.000	87	28111	20.0	20.2	
37 Isopropyl ether	45	3.681	3.681	0.000	94	105602	20.0	18.7	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	83	79233	20.0	18.0	
39 Vinyl acetate	86	3.740	3.740	0.000	98	16362	40.0	31.3	
40 2-Chloro-1,3-butadiene	88	3.787	3.787	0.000	89	48344	20.0	19.2	
41 Tert-butyl ethyl ether	59	3.998	3.998	0.000	92	125867	20.0	19.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	138342	250.0	250.0	
43 2,2-Dichloropropane	97	4.240	4.240	0.000	90	19737	20.0	19.3	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	95	58769	20.0	18.2	
46 Ethyl acetate	70	4.263	4.263	0.000	93	7911	40.0	34.6	
45 2-Butanone (MEK)	72	4.275	4.275	0.000	99	20335	100.0	91.5	
47 Methyl acrylate	55	4.322	4.322	0.000	98	28013	20.0	19.1	
48 Propionitrile	54	4.410	4.410	0.000	97	39694	200.0	190.1	
50 Chlorobromomethane	128	4.493	4.493	0.000	67	29310	20.0	17.6	
49 Tetrahydrofuran	42	4.498	4.498	0.000	57	20958	40.0	35.9	
51 Methacrylonitrile	67	4.516	4.516	0.000	85	155915	200.0	183.4	
52 Chloroform	83	4.540	4.540	0.000	98	94533	20.0	18.3	
53 Cyclohexane	56	4.687	4.687	0.000	82	65225	20.0	19.3	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	94	87420	20.0	18.8	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	97	141244	50.0	49.3	
56 Carbon tetrachloride	117	4.828	4.828	0.000	97	79161	20.0	18.9	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	97	67023	20.0	18.8	
58 Isobutyl alcohol	43	4.957	4.957	0.000	97	23555	500.0	440.6	
59 Isooctane	57	5.022	5.022	0.000	98	96105	20.0	19.1	
60 Benzene	78	5.069	5.069	0.000	95	195433	20.0	18.8	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	130040	50.0	49.4	
62 Isopropyl acetate	61	5.104	5.104	0.000	94	17727	20.0	19.4	
63 Tert-amyl methyl ether	87	5.122	5.122	0.000	89	43458	20.0	18.6	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	98	59104	20.0	17.9	
65 n-Heptane	71	5.216	5.216	0.000	84	30031	20.0	19.5	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	510543	50.0	50.0	
67 n-Butanol	56	5.669	5.669	0.000	89	19720	500.0	472.0	
68 Trichloroethene	95	5.757	5.757	0.000	98	57488	20.0	19.5	
69 Ethyl acrylate	99	5.875	5.875	0.000	93	8262	20.0	19.4	
70 Methylcyclohexane	83	5.892	5.892	0.000	92	79384	20.0	19.5	
71 1,2-Dichloropropane	63	6.069	6.069	0.000	89	44392	20.0	19.1	
* 73 1,4-Dioxane-d8	96	6.139	6.139	0.000	0	24547	1000.0	1000.0	
72 Methyl methacrylate	69	6.145	6.145	0.000	76	55331	40.0	37.2	
74 n-Propyl acetate	43	6.204	6.204	0.000	94	38016	20.0	17.9	
75 1,4-Dioxane	88	6.210	6.210	0.000	31	9954	400.0	405.1	
76 Dibromomethane	93	6.222	6.222	0.000	95	34686	20.0	19.3	
77 Dichlorobromomethane	83	6.387	6.387	0.000	98	67031	20.0	18.9	
79 2-Nitropropane	41	6.763	6.763	0.000	99	18366	40.0	37.8	
80 Epichlorohydrin	57	6.886	6.886	0.000	99	52691	400.0	373.6	
81 cis-1,3-Dichloropropene	75	6.951	6.951	0.000	90	79094	20.0	19.7	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	93	125610	100.0	93.7	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	100	500093	50.0	50.2	
84 Toluene	91	7.322	7.322	0.000	93	218564	20.0	18.5	
86 trans-1,3-Dichloropropene	75	7.716	7.716	0.000	97	68358	20.0	18.6	

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	7.751	7.751	0.000	84	51555	20.0	18.0	
87 1,1,2-Trichloroethane	83	7.986	7.986	0.000	94	36334	20.0	19.1	
88 Tetrachloroethene	166	8.039	8.039	0.000	97	57224	20.0	18.7	
89 1,3-Dichloropropane	76	8.263	8.263	0.000	88	70189	20.0	19.7	
90 2-Hexanone	58	8.345	8.339	0.006	93	55802	100.0	106.8	
91 n-Butyl acetate	73	8.504	8.504	0.000	97	10085	20.0	19.5	
92 Chlorodibromomethane	129	8.569	8.569	0.000	97	53732	20.0	18.8	
93 Ethylene Dibromide	107	8.769	8.769	0.000	95	48167	20.0	20.2	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	390737	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	97	152167	20.0	19.5	
96 Ethylbenzene	106	9.433	9.433	0.000	98	79322	20.0	18.3	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	95	54389	20.0	18.4	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	99358	20.0	19.0	
99 n-Butyl acrylate	73	9.933	9.933	0.000	98	30853	20.0	17.5	
100 o-Xylene	106	9.945	9.945	0.000	94	95732	20.0	18.7	
101 Styrene	104	9.975	9.975	0.000	96	162654	20.0	18.7	
102 Amyl acetate (mixed isomers)	43	10.127	10.127	0.000	92	51020	20.0	18.5	
103 Bromoform	173	10.157	10.157	0.000	93	33385	20.0	18.3	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	221919	20.0	18.5	
$ 105 4-Bromofluorobenzene	174	10.410	10.410	0.000	93	163461	50.0	50.5	
107 Bromobenzene	156	10.522	10.522	0.000	92	63846	20.0	18.7	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	96	47745	20.0	18.0	
108 N-Propylbenzene	91	10.569	10.569	0.000	100	282640	20.0	18.3	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	95	15884	20.0	18.2	
109 trans-1,4-Dichloro-2-butene	53	10.598	10.598	0.000	78	10562	20.0	17.2	
112 2-Chlorotoluene	91	10.651	10.651	0.000	92	188361	20.0	17.6	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	243664	20.0	18.0	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	94	203425	20.0	18.5	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	170203	20.0	18.2	
114 Butyl Methacrylate	87	10.769	10.769	0.000	84	69352	20.0	19.3	
116 tert-Butylbenzene	119	10.922	10.922	0.000	95	176996	20.0	18.2	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	97	209545	20.0	17.9	
118 sec-Butylbenzene	134	11.069	11.069	0.000	99	53477	20.0	18.0	
119 4-Isopropyltoluene	119	11.157	11.157	0.000	98	231091	20.0	17.7	
120 1,3-Dichlorobenzene	146	11.169	11.169	0.000	96	124247	20.0	17.9	
* 121 1,4-Dichlorobenzene-d4	152	11.221	11.221	0.000	94	216592	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.233	11.233	0.000	96	124496	20.0	17.6	
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	97	219500	20.0	17.9	
124 Benzyl chloride	91	11.333	11.333	0.000	99	104677	20.0	19.1	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	93	205594	20.0	18.7	
164 p-Diethylbenzene	119	11.410	11.410	0.000	92	139473	20.0	17.9	
127 n-Butylbenzene	92	11.427	11.427	0.000	97	108211	20.0	18.4	
128 1,2-Dichlorobenzene	146	11.492	11.492	0.000	96	113626	20.0	18.1	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.963	0.000	97	214414	20.0	18.6	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	93	11398	20.0	20.6	
131 1,3,5-Trichlorobenzene	180	12.168	12.168	0.000	96	86787	20.0	18.3	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	94	77386	20.0	19.0	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	91	28710	20.0	19.4	
134 Naphthalene	128	12.945	12.945	0.000	99	159565	20.0	19.0	
135 1,2,3-Trichlorobenzene	180	13.174	13.174	0.000	95	69275	20.0	20.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	36.4	
S 137 Xylenes, Total	100				0		40.0	37.7	

QC Flag Legend

Processing Flags

Reagents:

8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00180	Amount Added:	4.00	Units: uL	
GASES Li_00629	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

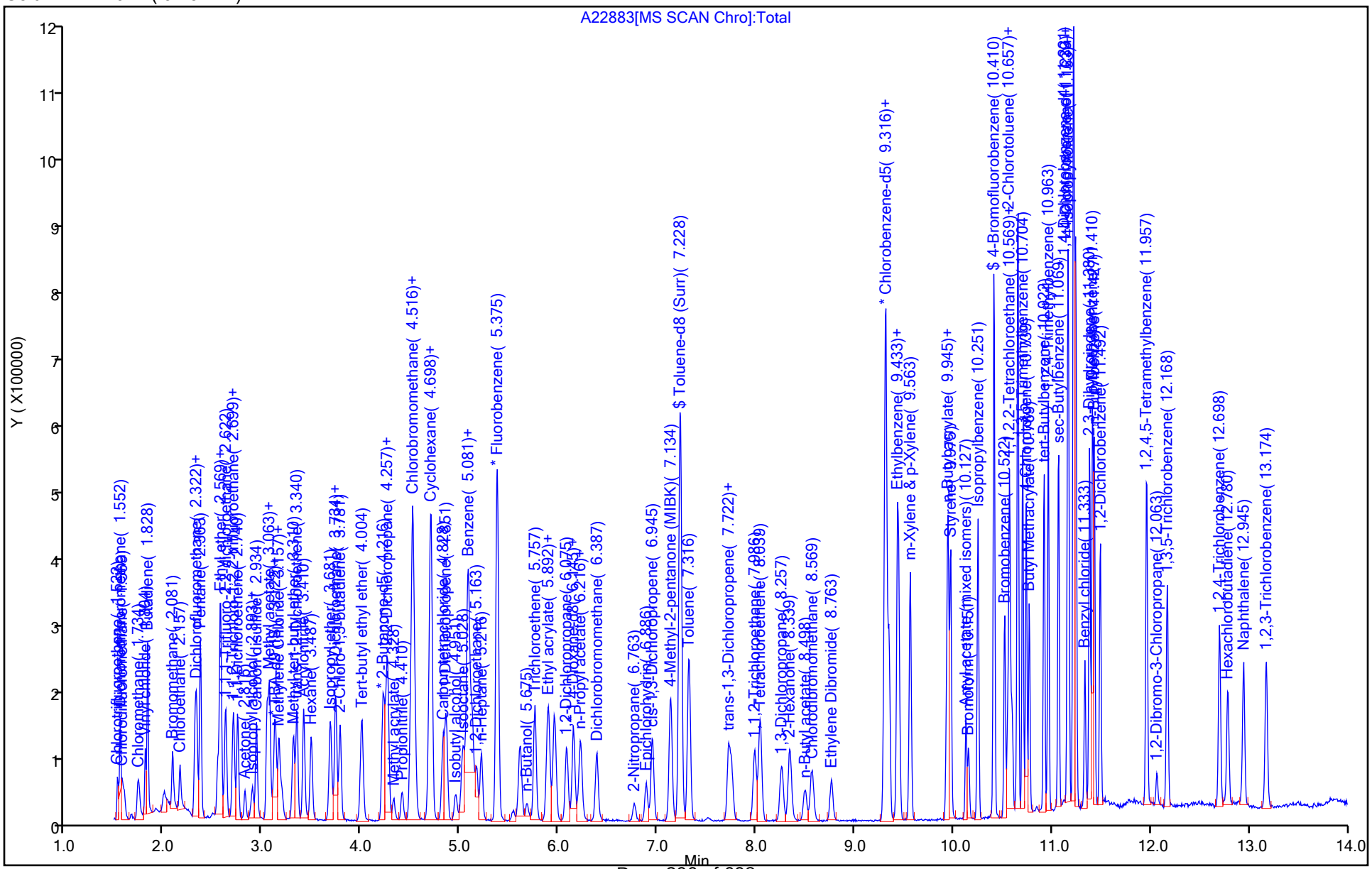
Report Date: 03-Mar-2025 16:53:04 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22883.D

Injection Date:	01-Mar-2025 17:19:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	STD20			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22884.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Mar-2025 17:43:30 ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0187452-007
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:53:19 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:41:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	90	41770	50.0	49.7	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	99	190348	50.0	39.2	
165 Chlorodifluoromethane	51	1.575	1.575	0.000	95	152423	50.0	47.0	
6 Chloromethane	50	1.734	1.734	0.000	99	150145	50.0	46.3	
7 Vinyl chloride	62	1.805	1.804	0.001	98	180377	50.0	50.3	
172 Butadiene	39	1.828	1.828	0.000	92	140983	50.0	50.7	
9 Bromomethane	94	2.075	2.081	-0.006	99	142026	50.0	54.5	
10 Chloroethane	64	2.152	2.157	-0.005	99	130158	50.0	50.0	
174 Dichlorofluoromethane	67	2.305	2.310	-0.005	98	256894	50.0	45.6	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	250344	50.0	49.7	
13 Pentane	72	2.363	2.363	0.000	94	55700	100.0	117.4	
14 Ethanol	46	2.487	2.487	0.000	98	13971	2000.0	2252.8	
15 Ethyl ether	59	2.540	2.540	0.000	91	86800	50.0	44.2	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	93	106306	50.0	51.4	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	90	130699	50.0	50.1	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.622	-0.006	96	193190	50.0	49.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.693	2.699	-0.005	97	144962	50.0	54.0	
19 Acrolein	56	2.705	2.704	0.000	94	25289	100.0	100.3	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	95	132659	50.0	49.8	
22 Acetone	58	2.816	2.822	-0.006	89	33887	250.0	239.0	
24 Isopropyl alcohol	45	2.875	2.875	0.000	98	36702	500.0	486.7	
23 Iodomethane	142	2.893	2.893	0.000	100	154240	50.0	46.0	
25 Carbon disulfide	76	2.928	2.934	-0.006	99	444083	50.0	51.3	
27 Methyl acetate	43	3.040	3.040	0.000	79	97038	100.0	101.9	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	80	81198	50.0	48.3	
166 Cyclopentene	67	3.063	3.063	0.000	92	358383	50.0	53.8	
29 Acetonitrile	41	3.104	3.104	0.000	97	79357	500.0	519.3	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	132959	1000.0	1000.0	
31 Methylene Chloride	84	3.157	3.163	-0.006	82	145702	50.0	48.5	
32 2-Methyl-2-propanol	59	3.187	3.193	-0.006	97	71635	500.0	495.4	

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	3.304	3.310	-0.006	94	327627	50.0	48.1	
34 trans-1,2-Dichloroethene	96	3.340	3.346	-0.006	85	151142	50.0	49.2	
35 Acrylonitrile	53	3.410	3.410	0.000	94	274441	500.0	465.0	
36 Hexane	43	3.487	3.487	0.000	87	73464	50.0	52.1	
37 Isopropyl ether	45	3.681	3.681	0.000	91	278482	50.0	48.6	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	77	219653	50.0	49.2	
39 Vinyl acetate	86	3.734	3.740	-0.006	98	52491	100.0	113.7	
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	89	134295	50.0	52.4	
41 Tert-butyl ethyl ether	59	3.999	3.998	0.001	91	329258	50.0	48.8	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	127513	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.240	-0.006	92	52818	50.0	51.0	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	98	160955	50.0	49.1	
46 Ethyl acetate	70	4.263	4.263	0.000	93	20482	100.0	97.2	
45 2-Butanone (MEK)	72	4.269	4.275	-0.006	98	49733	250.0	242.8	
47 Methyl acrylate	55	4.322	4.322	0.000	98	70247	50.0	48.1	
48 Propionitrile	54	4.410	4.410	0.000	98	98938	500.0	536.8	
50 Chlorobromomethane	128	4.493	4.493	0.001	66	80261	50.0	47.5	
49 Tetrahydrofuran	42	4.499	4.498	0.000	49	48068	100.0	89.2	
51 Methacrylonitrile	67	4.516	4.516	0.000	83	394356	500.0	456.8	
52 Chloroform	83	4.540	4.540	0.000	99	252105	50.0	48.1	
53 Cyclohexane	56	4.687	4.687	0.000	81	176010	50.0	51.3	
54 1,1,1-Trichloroethane	97	4.699	4.698	0.000	96	234597	50.0	49.8	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	146690	50.0	50.5	
56 Carbon tetrachloride	117	4.828	4.828	0.000	96	216259	50.0	50.8	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	97	185010	50.0	51.1	
58 Isobutyl alcohol	43	4.951	4.957	-0.006	97	57936	1250.0	1227.4	
59 Isooctane	57	5.022	5.022	0.000	98	270425	50.0	53.0	
60 Benzene	78	5.069	5.069	0.000	96	529145	50.0	49.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.087	-0.006	0	129680	50.0	48.5	
62 Isopropyl acetate	61	5.098	5.104	-0.006	97	40712	50.0	47.8	
63 Tert-amyl methyl ether	87	5.116	5.122	-0.006	97	114689	50.0	48.4	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	98	150519	50.0	44.8	
65 n-Heptane	71	5.210	5.216	-0.006	78	80639	50.0	51.7	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	518548	50.0	50.0	
67 n-Butanol	56	5.675	5.669	0.006	82	45864	1250.0	1268.8	
68 Trichloroethene	95	5.751	5.757	-0.006	96	148064	50.0	49.6	
69 Ethyl acrylate	99	5.881	5.875	0.006	98	19687	50.0	45.5	
70 Methylcyclohexane	83	5.893	5.892	0.001	92	216682	50.0	52.4	
71 1,2-Dichloropropane	63	6.081	6.069	0.012	90	115893	50.0	49.1	
* 73 1,4-Dioxane-d8	96	6.145	6.139	0.006	0	20997	1000.0	1000.0	
72 Methyl methacrylate	69	6.145	6.145	0.000	75	134988	100.0	89.4	
74 n-Propyl acetate	43	6.204	6.204	0.000	95	93428	50.0	43.4	
75 1,4-Dioxane	88	6.204	6.210	-0.006	34	22156	1000.0	1114.3	
76 Dibromomethane	93	6.222	6.222	0.000	95	86429	50.0	47.3	
77 Dichlorobromomethane	83	6.387	6.387	0.001	99	182776	50.0	51.1	
79 2-Nitropropane	41	6.763	6.763	0.000	99	39700	100.0	80.4	
80 Epichlorohydrin	57	6.887	6.886	0.001	99	126948	1000.0	976.5	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	90	216566	50.0	52.6	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	92	306456	250.0	248.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	517041	50.0	50.5	
84 Toluene	91	7.316	7.322	-0.006	93	601248	50.0	49.5	
86 trans-1,3-Dichloropropene	75	7.722	7.716	0.006	97	187895	50.0	49.8	

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	7.751	7.751	0.000	84	133638	50.0	45.9	
87 1,1,2-Trichloroethane	83	7.987	7.986	0.001	95	94102	50.0	48.0	
88 Tetrachloroethene	166	8.039	8.039	0.000	96	160437	50.0	51.1	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	88	182485	50.0	49.9	
90 2-Hexanone	58	8.345	8.339	0.006	91	131762	250.0	273.6	
91 n-Butyl acetate	73	8.498	8.504	-0.006	96	25369	50.0	47.8	
92 Chlorodibromomethane	129	8.569	8.569	0.000	96	146241	50.0	49.9	
93 Ethylene Dibromide	107	8.763	8.769	-0.006	98	124772	50.0	51.0	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	401580	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	98	411134	50.0	51.3	
96 Ethylbenzene	106	9.433	9.433	0.000	97	220496	50.0	49.4	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	95	150182	50.0	49.4	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	266578	50.0	49.5	
99 n-Butyl acrylate	73	9.933	9.933	0.000	98	81300	50.0	44.9	
100 o-Xylene	106	9.945	9.945	0.000	94	264090	50.0	50.3	
101 Styrene	104	9.975	9.975	0.001	97	456136	50.0	51.0	
102 Amyl acetate (mixed isomers)	43	10.128	10.127	0.001	92	129956	50.0	45.6	
103 Bromoform	173	10.151	10.157	-0.006	95	90401	50.0	48.2	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	629545	50.0	51.2	
$ 105 4-Bromofluorobenzene	174	10.410	10.410	0.000	92	168583	50.0	50.7	
107 Bromobenzene	156	10.522	10.522	0.000	91	177402	50.0	50.1	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	97	126747	50.0	46.2	
108 N-Propylbenzene	91	10.569	10.569	0.000	99	798520	50.0	50.0	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	95	42325	50.0	47.7	
109 trans-1,4-Dichloro-2-butene	53	10.598	10.598	0.000	95	28144	50.0	44.2	
112 2-Chlorotoluene	91	10.651	10.651	0.000	92	542236	50.0	48.8	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	708443	50.0	50.5	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	94	571828	50.0	50.3	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	476068	50.0	49.1	
114 Butyl Methacrylate	87	10.769	10.769	0.000	84	185008	50.0	49.7	
116 tert-Butylbenzene	119	10.922	10.922	0.000	95	504901	50.0	50.2	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	97	594115	50.0	49.0	
118 sec-Butylbenzene	134	11.063	11.069	-0.006	99	152793	50.0	49.8	
119 4-Isopropyltoluene	119	11.157	11.157	0.000	98	662720	50.0	48.9	
120 1,3-Dichlorobenzene	146	11.169	11.169	0.000	96	349278	50.0	48.7	
* 121 1,4-Dichlorobenzene-d4	152	11.216	11.221	-0.005	93	224290	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.233	11.233	0.000	95	354165	50.0	48.3	
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	98	614000	50.0	48.4	
124 Benzyl chloride	91	11.333	11.333	0.000	99	269438	50.0	47.4	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	94	576560	50.0	50.7	
164 p-Diethylbenzene	119	11.410	11.410	0.000	91	402527	50.0	49.8	
127 n-Butylbenzene	92	11.427	11.427	0.000	96	307460	50.0	50.6	
128 1,2-Dichlorobenzene	146	11.486	11.492	-0.006	97	320573	50.0	49.3	
163 1,2,4,5-Tetramethylbenzene	119	11.957	11.963	-0.006	97	596230	50.0	50.1	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	91	28015	50.0	49.0	
131 1,3,5-Trichlorobenzene	180	12.169	12.168	0.001	97	237723	50.0	48.4	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	93	209519	50.0	49.6	
133 Hexachlorobutadiene	225	12.780	12.786	-0.006	91	78324	50.0	51.1	
134 Naphthalene	128	12.939	12.945	-0.006	99	396629	50.0	45.7	
135 1,2,3-Trichlorobenzene	180	13.169	13.174	-0.005	96	175712	50.0	49.2	
S 136 1,2-Dichloroethene, Total	100				0		100.0	98.3	
S 137 Xylenes, Total	100				0		100.0	99.8	

QC Flag Legend

Processing Flags

Reagents:

8260MIX1COMB_00201	Amount Added:	50.00	Units: uL	
524FREONS_00031	Amount Added:	50.00	Units: uL	
ACROLEIN W_00180	Amount Added:	10.00	Units: uL	
GASES Li_00629	Amount Added:	50.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

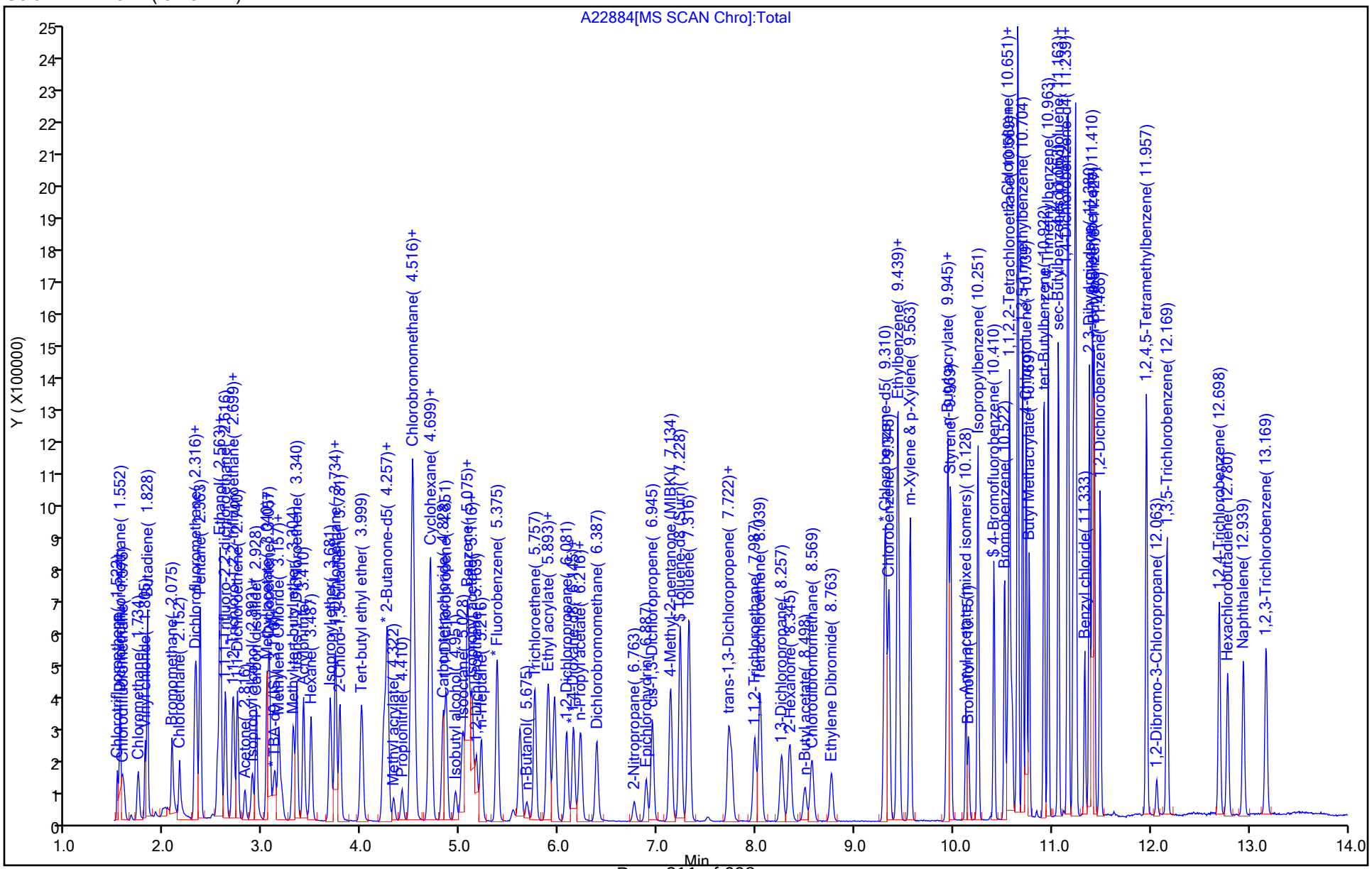
Report Date: 03-Mar-2025 16:53:20 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22884.D

Injection Date:	01-Mar-2025 17:43:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	STD50			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



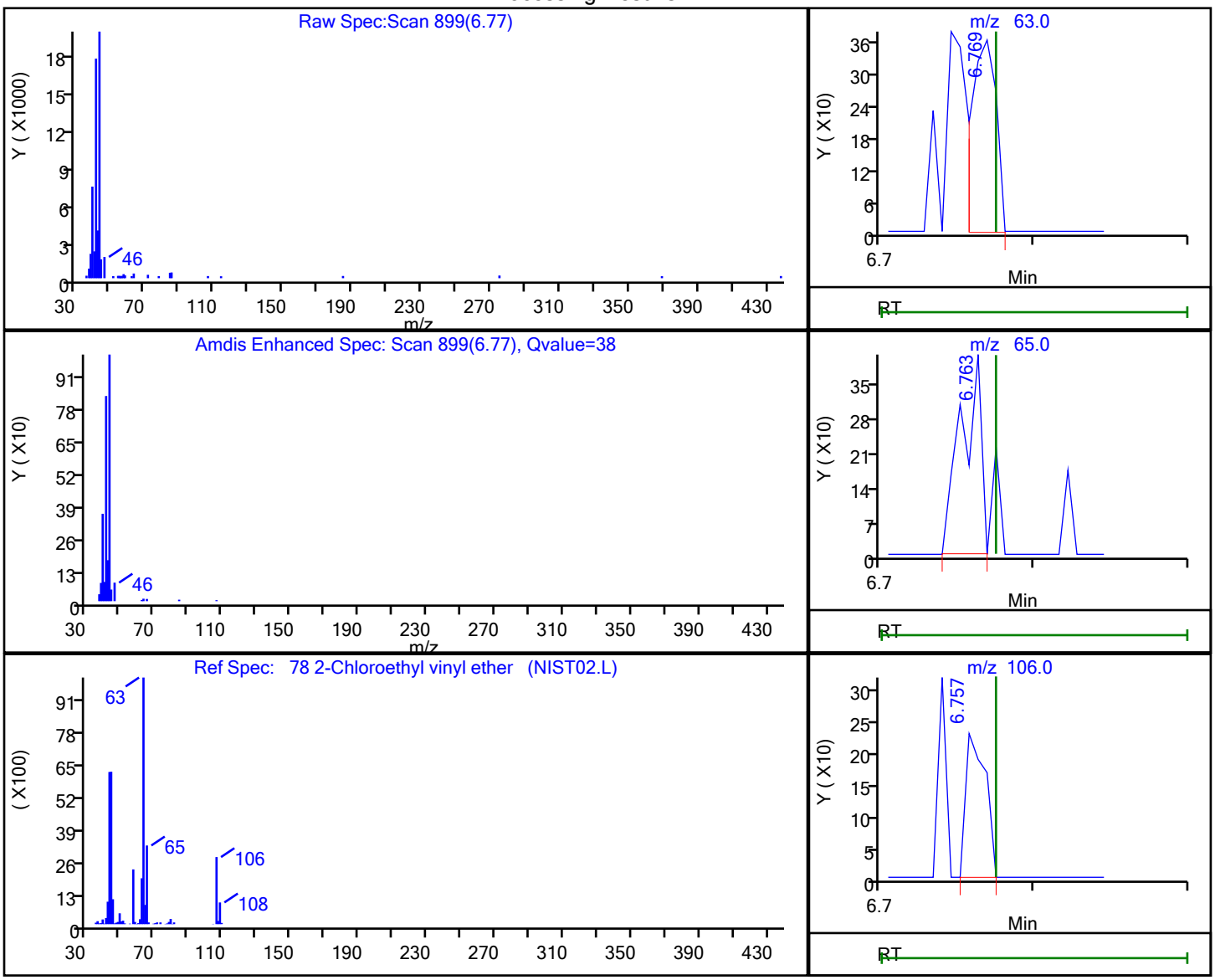
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22884.D
Injection Date: 01-Mar-2025 17:43:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
6.77	63.00	409	16.444751
6.76	65.00	374	
6.76	106.00	205	

Reviewer: NN6A, 03-Mar-2025 15:57:51 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 03-Mar-2025 16:53:38 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22885.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Mar-2025 18:08:30 ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0187452-008
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:53:37 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:41:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	91	191327	200.0	228.6	
4 Dichlorodifluoromethane	85	1.551	1.552	-0.001	99	1030493	200.0	204.7	
165 Chlorodifluoromethane	51	1.575	1.575	0.000	96	618549	200.0	191.5	
6 Chloromethane	50	1.734	1.734	0.000	99	700937	200.0	217.0	
7 Vinyl chloride	62	1.804	1.804	0.000	98	795754	200.0	223.0	
172 Butadiene	39	1.828	1.828	0.000	93	639809	200.0	231.1	
9 Bromomethane	94	2.075	2.081	-0.006	98	657113	200.0	253.1	
10 Chloroethane	64	2.151	2.157	-0.006	99	531589	200.0	204.9	
174 Dichlorofluoromethane	67	2.304	2.310	-0.006	99	1063416	200.0	189.7	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	1055460	200.0	210.3	
13 Pentane	72	2.363	2.363	0.000	93	216745	400.0	389.3	
14 Ethanol	46	2.493	2.487	0.006	99	59504	8000.0	7908.9	
15 Ethyl ether	59	2.540	2.540	0.000	90	361802	200.0	185.2	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	94	417149	200.0	202.7	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	89	527533	200.0	203.0	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.622	-0.006	96	754267	200.0	193.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.698	2.699	0.000	97	573758	200.0	214.8	
19 Acrolein	56	2.704	2.704	0.000	27	51814	200.0	175.2	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	94	551270	200.0	207.7	
22 Acetone	58	2.816	2.822	-0.006	88	174151	1000.0	1104.7	
24 Isopropyl alcohol	45	2.881	2.875	0.006	100	164698	2000.0	1891.2	
23 Iodomethane	142	2.893	2.893	0.000	100	737809	200.0	202.4	
25 Carbon disulfide	76	2.934	2.934	0.000	99	1790893	200.0	207.9	
27 Methyl acetate	43	3.040	3.040	0.000	93	417095	400.0	377.5	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	82	332436	200.0	198.8	
166 Cyclopentene	67	3.063	3.063	0.000	95	1342909	200.0	202.4	
29 Acetonitrile	41	3.104	3.104	0.000	98	327919	2000.0	1829.0	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	155981	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.163	0.000	81	577175	200.0	193.1	
32 2-Methyl-2-propanol	59	3.187	3.193	-0.006	97	320434	2000.0	1888.8	

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	3.304	3.310	-0.006	95	1357449	200.0	200.1	
34 trans-1,2-Dichloroethene	96	3.340	3.346	-0.006	86	593870	200.0	194.1	
35 Acrylonitrile	53	3.410	3.410	0.000	93	1181987	2000.0	2012.0	
36 Hexane	43	3.487	3.487	0.000	87	284797	200.0	202.9	
37 Isopropyl ether	45	3.681	3.681	0.000	93	1101689	200.0	193.0	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	80	883923	200.0	199.0	
39 Vinyl acetate	86	3.734	3.740	-0.006	98	194681	400.0	359.6	
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	90	525822	200.0	206.0	
41 Tert-butyl ethyl ether	59	3.998	3.998	0.000	91	1325158	200.0	197.3	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	141803	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.240	-0.006	92	211139	200.0	204.6	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	99	664125	200.0	203.5	
46 Ethyl acetate	70	4.263	4.263	0.000	93	88013	400.0	375.8	
45 2-Butanone (MEK)	72	4.269	4.275	-0.006	98	239696	1000.0	1052.3	
47 Methyl acrylate	55	4.322	4.322	0.000	99	285456	200.0	198.3	
48 Propionitrile	54	4.410	4.410	0.000	98	415148	2000.0	1919.8	
50 Chlorobromomethane	128	4.498	4.493	0.006	80	345545	200.0	205.4	
49 Tetrahydrofuran	42	4.492	4.498	-0.006	58	217252	400.0	362.6	
51 Methacrylonitrile	67	4.516	4.516	0.000	84	1782682	2000.0	2074.3	
52 Chloroform	83	4.539	4.540	-0.001	99	1051391	200.0	201.5	
53 Cyclohexane	56	4.687	4.687	0.000	81	702442	200.0	205.6	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	97	949428	200.0	202.3	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	151402	50.0	52.3	
56 Carbon tetrachloride	117	4.822	4.828	-0.006	98	860435	200.0	203.0	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	97	729873	200.0	202.5	
58 Isobutyl alcohol	43	4.951	4.957	-0.006	97	268890	5000.0	4855.9	
59 Isooctane	57	5.022	5.022	0.000	98	1020625	200.0	200.8	
60 Benzene	78	5.069	5.069	0.000	95	2101618	200.0	183.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	139436	50.0	52.4	
62 Isopropyl acetate	61	5.104	5.104	0.000	97	150663	200.0	186.1	
63 Tert-amyl methyl ether	87	5.122	5.122	0.000	96	455834	200.0	193.4	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	97	620672	200.0	185.5	
65 n-Heptane	71	5.216	5.216	0.000	79	323903	200.0	208.5	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	516210	50.0	50.0	
67 n-Butanol	56	5.675	5.669	0.006	83	201656	5000.0	4798.1	
68 Trichloroethene	95	5.757	5.757	0.000	96	607704	200.0	204.8	
69 Ethyl acrylate	99	5.881	5.875	0.006	98	80908	200.0	187.9	
70 Methylcyclohexane	83	5.892	5.892	0.000	91	879342	200.0	213.6	
71 1,2-Dichloropropane	63	6.081	6.069	0.012	89	463914	200.0	197.6	
* 73 1,4-Dioxane-d8	96	6.151	6.139	0.012	0	26785	1000.0	1000.0	a
72 Methyl methacrylate	69	6.145	6.145	0.000	74	572378	400.0	380.8	
74 n-Propyl acetate	43	6.204	6.204	0.000	96	410691	200.0	191.6	
75 1,4-Dioxane	88	6.204	6.210	-0.006	73	98350	4000.0	3970.6	
76 Dibromomethane	93	6.222	6.222	0.000	95	365030	200.0	200.6	
77 Dichlorobromomethane	83	6.386	6.387	0.000	98	750663	200.0	211.6	
79 2-Nitropropane	41	6.763	6.763	0.000	99	171907	400.0	349.6	
78 2-Chloroethyl vinyl ether	63	6.757	6.775	-0.018	42	20963	200.5	126.4	
80 Epichlorohydrin	57	6.886	6.886	0.000	99	580211	4000.0	4013.5	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	90	907574	200.0	205.5	
82 4-Methyl-2-pentanone (MIBK)	43	7.133	7.134	-0.001	92	1367631	1000.0	995.1	
$ 83 Toluene-d8 (Surr)	98	7.233	7.228	0.005	99	524735	50.0	47.8	
84 Toluene	91	7.316	7.322	-0.006	93	2483625	200.0	190.8	

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	7.722	7.716	0.006	98	805237	200.0	199.0	
85 Ethyl methacrylate	69	7.751	7.751	0.000	84	573851	200.0	198.0	
87 1,1,2-Trichloroethane	83	7.986	7.986	0.000	96	406167	200.0	193.3	
88 Tetrachloroethene	166	8.039	8.039	0.000	96	645816	200.0	192.0	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	88	765647	200.0	195.2	
90 2-Hexanone	58	8.339	8.339	0.000	91	622804	1000.0	1162.7	
91 n-Butyl acetate	73	8.492	8.504	-0.012	96	109343	200.0	192.3	
92 Chlorodibromomethane	129	8.569	8.569	0.000	97	637533	200.0	202.9	
93 Ethylene Dibromide	107	8.763	8.769	-0.006	99	521037	200.0	198.6	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	82	430554	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	97	1737182	200.0	202.0	
96 Ethylbenzene	106	9.433	9.433	0.000	98	942999	200.0	197.1	
97 1,1,1,2-Tetrachloroethane	131	9.451	9.445	0.006	95	670503	200.0	205.7	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	1134543	200.0	196.6	
99 n-Butyl acrylate	73	9.933	9.933	0.000	97	370901	200.0	191.2	
100 o-Xylene	106	9.945	9.945	0.000	95	1164303	200.0	206.8	
101 Styrene	104	9.974	9.975	0.000	97	1965621	200.0	204.9	
102 Amyl acetate (mixed isomers)	43	10.127	10.127	0.000	93	579876	200.0	186.0	
103 Bromoform	173	10.157	10.157	0.000	95	420959	200.0	209.4	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	2637064	200.0	199.8	
$ 105 4-Bromofluorobenzene	174	10.416	10.410	0.006	95	174561	50.0	49.0	
107 Bromobenzene	156	10.521	10.522	-0.001	90	766302	200.0	197.7	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	97	568663	200.0	189.4	
108 N-Propylbenzene	91	10.569	10.569	-0.001	100	3394886	200.0	194.4	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	96	182527	200.0	189.7	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.598	0.006	89	131985	200.0	189.5	
112 2-Chlorotoluene	91	10.657	10.651	0.006	91	2402756	200.0	197.9	
169 4-Ethyltoluene	105	10.657	10.657	0.000	89	2998567	200.0	195.5	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	94	2422161	200.0	194.9	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	2025381	200.0	191.1	
114 Butyl Methacrylate	87	10.769	10.769	-0.001	84	810411	200.0	198.8	
116 tert-Butylbenzene	119	10.921	10.922	-0.001	95	2196458	200.0	199.5	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	97	2616383	200.0	197.2	
118 sec-Butylbenzene	134	11.068	11.069	-0.001	99	670967	200.0	199.8	
119 4-Isopropyltoluene	119	11.163	11.157	0.006	98	3121847	200.0	210.7	
120 1,3-Dichlorobenzene	146	11.168	11.169	-0.001	96	1627768	200.0	207.5	
* 121 1,4-Dichlorobenzene-d4	152	11.221	11.221	0.000	92	245367	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.239	11.233	0.006	95	1625205	200.0	202.6	
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	98	2766495	200.0	199.5	
124 Benzyl chloride	91	11.333	11.333	0.000	99	1204516	200.0	193.8	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	94	2429422	200.0	195.2	
164 p-Diethylbenzene	119	11.410	11.410	0.000	93	1769022	200.0	200.0	
127 n-Butylbenzene	92	11.433	11.427	0.006	97	1395600	200.0	209.9	
128 1,2-Dichlorobenzene	146	11.492	11.492	0.000	97	1415408	200.0	199.1	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.963	0.000	97	2580831	200.0	198.0	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	93	130658	200.0	208.8	
131 1,3,5-Trichlorobenzene	180	12.168	12.168	0.000	97	1052470	200.0	196.0	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	94	902178	200.0	195.4	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	92	340707	200.0	203.4	
134 Naphthalene	128	12.945	12.945	0.000	99	1737955	200.0	183.2	
135 1,2,3-Trichlorobenzene	180	13.174	13.174	0.000	96	756110	200.0	193.5	
S 136 1,2-Dichloroethene, Total	100				0		400.0	397.6	

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		400.0	403.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00180	Amount Added:	20.00	Units: uL	
GAS Hi_00490	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00159	Amount Added:	20.00	Units: uL	
MIX I Hi_00186	Amount Added:	20.00	Units: uL	
Ethanol mix_00099	Amount Added:	20.00	Units: uL	
7 Freons Hi_00025	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

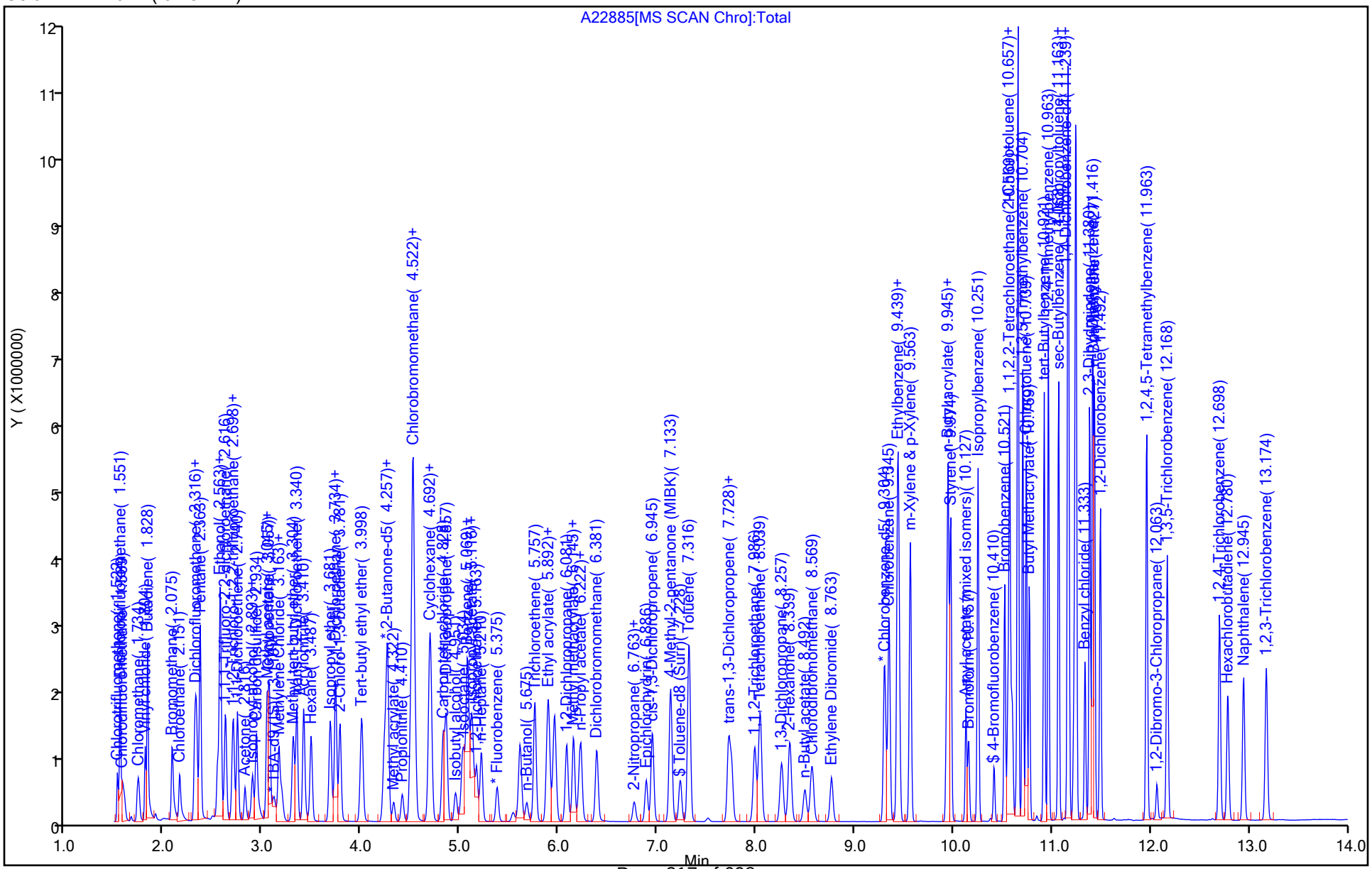
Report Date: 03-Mar-2025 16:53:38 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22885.D

Injection Date:	01-Mar-2025 18:08:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	STD200			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

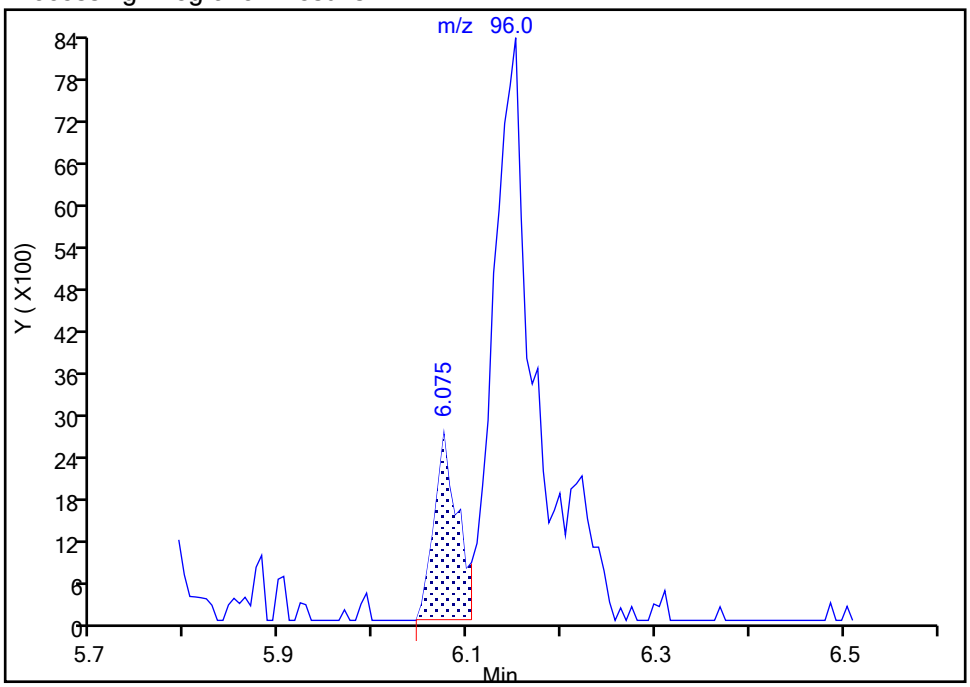
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22885.D
Injection Date: 01-Mar-2025 18:08:30 Instrument ID: CVOAMS1
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

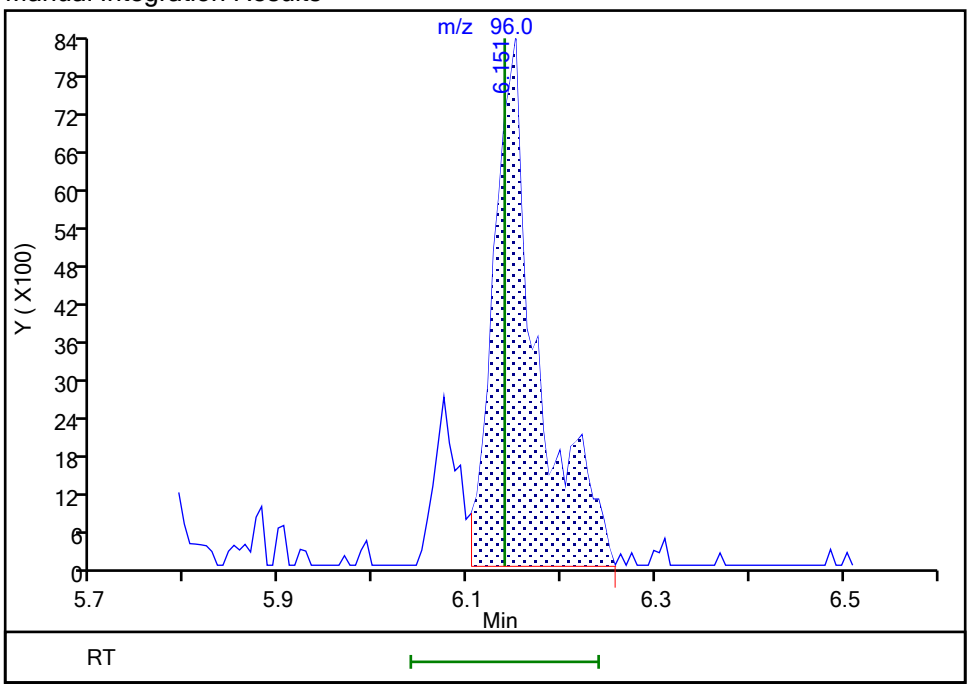
Processing Integration Results

RT: 6.07
Area: 4738
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.15
Area: 26785
Amount: 1000.0000
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:00:49 -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\20250301-187452.b\A22886.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Mar-2025 18:32:30 ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0187452-009
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:53:53 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:43:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	90	537146	500.0	624.0	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	99	2765520	500.0	499.4	
165 Chlorodifluoromethane	51	1.575	1.575	0.000	96	1660188	500.0	499.8	
6 Chloromethane	50	1.734	1.734	0.000	99	1871367	500.0	563.3	
7 Vinyl chloride	62	1.804	1.804	0.000	98	2141282	500.0	583.4	
172 Butadiene	39	1.828	1.828	0.000	93	1633702	500.0	573.9	
9 Bromomethane	94	2.069	2.081	-0.012	99	2439622	500.0	913.7	
10 Chloroethane	64	2.151	2.157	-0.006	98	1531977	500.0	574.3	
174 Dichlorofluoromethane	67	2.304	2.310	-0.006	99	3379458	500.0	586.2	
12 Trichlorofluoromethane	101	2.316	2.322	-0.006	99	3003043	500.0	581.8	
13 Pentane	72	2.357	2.363	-0.006	94	603325	1000.0	1061.1	
14 Ethanol	46	2.499	2.487	0.012	99	164574	20000	20011	
15 Ethyl ether	59	2.534	2.540	-0.006	92	1029621	500.0	512.7	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	94	1166641	500.0	551.2	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	87	1214756	500.0	454.6	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.622	-0.006	96	2095961	500.0	522.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.693	2.699	-0.005	98	1498728	500.0	545.7	
19 Acrolein	56	2.704	2.704	0.000	95	121629	400.0	402.7	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	94	1459042	500.0	534.6	
22 Acetone	58	2.816	2.822	-0.006	88	493436	2500.0	2731.2	
24 Isopropyl alcohol	45	2.887	2.875	0.012	98	470779	5000.0	5313.2	
23 Iodomethane	142	2.893	2.893	0.000	100	2173917	500.0	499.7	
25 Carbon disulfide	76	2.928	2.934	-0.006	99	4794905	500.0	541.3	
27 Methyl acetate	43	3.040	3.040	0.000	94	1237780	1000.0	1100.0	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	80	901385	500.0	524.3	
166 Cyclopentene	67	3.063	3.063	0.000	93	3593646	500.0	526.7	
29 Acetonitrile	41	3.104	3.104	0.000	97	953367	5000.0	5207.8	
* 30 TBA-d9 (IS)	65	3.134	3.122	0.012	0	159271	1000.0	1000.0	
31 Methylene Chloride	84	3.157	3.163	-0.006	82	1574595	500.0	512.2	
32 2-Methyl-2-propanol	59	3.193	3.193	0.000	98	853788	5000.0	4928.7	

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	3.304	3.310	-0.006	95	3660709	500.0	524.8	
34 trans-1,2-Dichloroethene	96	3.340	3.346	-0.006	87	1634781	500.0	519.5	
35 Acrylonitrile	53	3.416	3.410	0.006	93	3434350	5000.0	5684.8	
36 Hexane	43	3.487	3.487	0.000	88	766373	500.0	530.9	
37 Isopropyl ether	45	3.681	3.681	0.000	91	3093731	500.0	527.2	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	69	2451236	500.0	536.6	
39 Vinyl acetate	86	3.734	3.740	-0.006	98	587198	1000.0	1062.2	
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	90	1408303	500.0	536.6	
41 Tert-butyl ethyl ether	59	3.998	3.998	0.000	91	3724540	500.0	539.3	
* 42 2-Butanone-d5	46	4.216	4.210	0.006	0	162505	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.240	-0.006	92	565170	500.0	532.6	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	99	1937253	500.0	577.3	
46 Ethyl acetate	70	4.263	4.263	0.000	96	261887	1000.0	975.7	
45 2-Butanone (MEK)	72	4.269	4.275	-0.006	98	707174	2500.0	2709.2	
47 Methyl acrylate	55	4.328	4.322	0.006	99	788593	500.0	533.8	
48 Propionitrile	54	4.416	4.410	0.006	98	1195700	5000.0	5415.2	
50 Chlorobromomethane	128	4.498	4.493	0.006	71	1000087	500.0	578.2	
49 Tetrahydrofuran	42	4.498	4.498	0.000	58	677693	1000.0	986.9	
51 Methacrylonitrile	67	4.528	4.516	0.012	85	5674830	5000.0	6421.2	
52 Chloroform	83	4.540	4.540	0.000	99	3099107	500.0	577.6	
53 Cyclohexane	56	4.687	4.687	0.000	82	1886922	500.0	537.0	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	97	2592710	500.0	537.3	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	158395	50.0	53.2	
56 Carbon tetrachloride	117	4.828	4.828	0.000	98	2276952	500.0	522.3	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	97	1939550	500.0	523.4	
58 Isobutyl alcohol	43	4.957	4.957	0.000	97	768290	12500	13588	
59 Isooctane	57	5.028	5.022	0.006	98	2594181	500.0	496.2	
60 Benzene	78	5.069	5.069	0.000	95	5875259	500.0	457.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	154575	50.0	56.4	
62 Isopropyl acetate	61	5.104	5.104	0.000	96	434300	500.0	527.4	
63 Tert-amyl methyl ether	87	5.122	5.122	0.000	96	1301474	500.0	537.0	
64 1,2-Dichloroethane	62	5.169	5.163	0.006	98	1728850	500.0	502.4	
65 n-Heptane	71	5.216	5.216	0.000	79	824944	500.0	516.4	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	530841	50.0	50.0	
67 n-Butanol	56	5.681	5.669	0.012	83	597221	12500	13946	
68 Trichloroethene	95	5.757	5.757	0.000	96	1673700	500.0	548.7	
69 Ethyl acrylate	99	5.881	5.875	0.006	98	229108	500.0	517.5	
70 Methylcyclohexane	83	5.892	5.892	0.000	91	2337575	500.0	552.2	
71 1,2-Dichloropropane	63	6.081	6.069	0.012	89	1313109	500.0	543.8	
* 73 1,4-Dioxane-d8	96	6.145	6.139	0.006	0	23570	1000.0	1000.0	a
72 Methyl methacrylate	69	6.151	6.145	0.006	75	1645167	1000.0	1064.3	
74 n-Propyl acetate	43	6.210	6.204	0.006	95	1188085	500.0	539.1	
75 1,4-Dioxane	88	6.204	6.210	-0.006	33	290228	10000	13404	
76 Dibromomethane	93	6.222	6.222	0.000	95	1035248	500.0	553.3	
77 Dichlorobromomethane	83	6.387	6.387	0.000	98	2095342	500.0	574.6	
79 2-Nitropropane	41	6.769	6.763	0.006	97	519589	1000.0	1027.6	
78 2-Chloroethyl vinyl ether	63	6.763	6.775	-0.012	84	117116	501.2	686.5	
80 Epichlorohydrin	57	6.886	6.886	0.000	99	1722094	10000	10395	
81 cis-1,3-Dichloropropene	75	6.951	6.951	0.000	90	2587023	500.0	523.5	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	93	4081855	2500.0	2591.7	
$ 83 Toluene-d8 (Surr)	98	7.234	7.228	0.006	99	555826	50.0	45.2	
84 Toluene	91	7.322	7.322	0.000	93	7114628	500.0	488.4	

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	7.722	7.716	0.006	98	2355261	500.0	520.3	
85 Ethyl methacrylate	69	7.751	7.751	0.000	84	1650284	500.0	553.7	
87 1,1,2-Trichloroethane	83	7.986	7.986	0.000	96	1140355	500.0	485.1	
88 Tetrachloroethene	166	8.045	8.039	0.006	96	1827707	500.0	485.6	
89 1,3-Dichloropropane	76	8.263	8.263	0.000	89	2133308	500.0	486.1	
90 2-Hexanone	58	8.345	8.339	0.006	91	1769798	2500.0	2883.2	
91 n-Butyl acetate	73	8.492	8.504	-0.012	96	302670	500.0	475.8	
92 Chlorodibromomethane	129	8.569	8.569	0.000	96	1814571	500.0	516.1	
93 Ethylene Dibromide	107	8.769	8.769	0.000	99	1459843	500.0	497.2	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	86	481793	50.0	50.0	
95 Chlorobenzene	112	9.351	9.345	0.006	97	5089950	500.0	528.9	
96 Ethylbenzene	106	9.439	9.433	0.006	97	2951129	500.0	551.1	
97 1,1,1,2-Tetrachloroethane	131	9.451	9.445	0.006	95	2038089	500.0	558.8	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	3354078	500.0	519.5	
99 n-Butyl acrylate	73	9.933	9.933	0.000	97	1175979	500.0	541.6	
100 o-Xylene	106	9.951	9.945	0.006	96	3724173	500.0	591.2	
101 Styrene	104	9.975	9.975	0.000	96	6032518	500.0	561.9	
102 Amyl acetate (mixed isomers)	43	10.127	10.127	0.000	92	1736881	500.0	534.4	
103 Bromoform	173	10.157	10.157	0.000	95	1269987	500.0	564.6	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	7928487	500.0	536.9	
$ 105 4-Bromofluorobenzene	174	10.416	10.410	0.006	93	188615	50.0	47.3	
107 Bromobenzene	156	10.522	10.522	0.000	92	2383344	500.0	589.8	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	97	1723770	500.0	550.5	
108 N-Propylbenzene	91	10.574	10.569	0.005	99	10059659	500.0	552.4	
110 1,2,3-Trichloropropane	110	10.592	10.586	0.006	97	551725	500.0	551.1	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.598	0.006	87	407672	500.0	561.4	
112 2-Chlorotoluene	91	10.657	10.651	0.006	96	7911041	500.0	624.9	
169 4-Ethyltoluene	105	10.657	10.657	0.000	87	9352947	500.0	584.9	e
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	95	7272792	500.0	561.4	
115 4-Chlorotoluene	91	10.739	10.739	0.000	97	6022368	500.0	544.9	
114 Butyl Methacrylate	87	10.774	10.769	0.005	84	2331655	500.0	548.7	
116 tert-Butylbenzene	119	10.922	10.922	0.000	95	6542450	500.0	570.0	
117 1,2,4-Trimethylbenzene	105	10.969	10.963	0.006	96	7723345	500.0	558.3	
118 sec-Butylbenzene	134	11.069	11.069	0.000	98	1973320	500.0	563.7	
119 4-Isopropyltoluene	119	11.163	11.157	0.006	96	9077789	500.0	587.5	e
120 1,3-Dichlorobenzene	146	11.174	11.169	0.005	96	4925044	500.0	602.3	
* 121 1,4-Dichlorobenzene-d4	152	11.221	11.221	0.000	96	255814	50.0	50.0	a
122 1,4-Dichlorobenzene	146	11.239	11.233	0.006	94	4929650	500.0	589.3	
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	97	8381667	500.0	579.8	
124 Benzyl chloride	91	11.333	11.333	0.000	99	3340628	500.0	515.7	
162 2,3-Dihydroindene	117	11.386	11.380	0.006	94	6977816	500.0	537.8	
164 p-Diethylbenzene	119	11.416	11.410	0.006	93	5196821	500.0	563.5	
127 n-Butylbenzene	92	11.433	11.427	0.006	97	3972507	500.0	573.0	
128 1,2-Dichlorobenzene	146	11.492	11.492	0.000	96	4082126	500.0	550.8	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.963	0.000	98	7694293	500.0	566.3	
130 1,2-Dibromo-3-Chloropropane	157	12.068	12.063	0.005	92	368809	500.0	565.3	
131 1,3,5-Trichlorobenzene	180	12.174	12.168	0.006	97	3085697	500.0	551.3	
132 1,2,4-Trichlorobenzene	180	12.704	12.698	0.006	94	2702538	500.0	561.5	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	92	926297	500.0	530.4	
134 Naphthalene	128	12.945	12.945	0.000	99	5084263	500.0	513.9	
135 1,2,3-Trichlorobenzene	180	13.174	13.174	0.000	96	2220188	500.0	545.1	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	1096.8	

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		1000.0	1110.7	

QC Flag Legend

Processing Flags
e - Potential Peak Saturated
Review Flags
a - User Assigned ID

Reagents:

GAS Hi_00490	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00159	Amount Added:	50.00	Units: uL	
MIX I Hi_00186	Amount Added:	50.00	Units: uL	
Ethanol mix_00099	Amount Added:	50.00	Units: uL	
7 Freons Hi_00025	Amount Added:	50.00	Units: uL	
ACROLEIN W_00180	Amount Added:	40.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 03-Mar-2025 16:53:54 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Injection Date: 01-Mar-2025 18:32:30 Instrument ID: CVOAMS1 Operator ID:

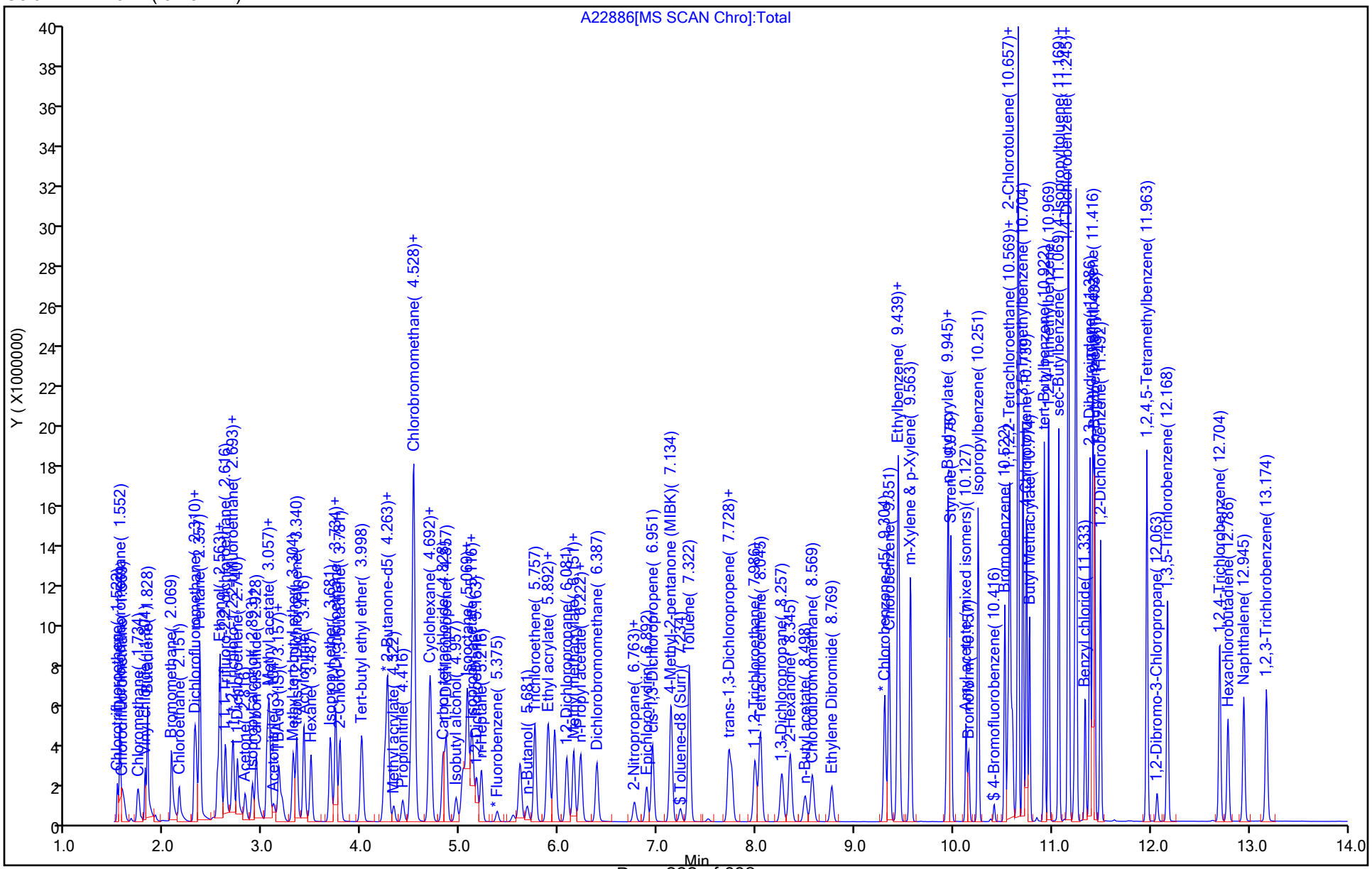
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 11

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

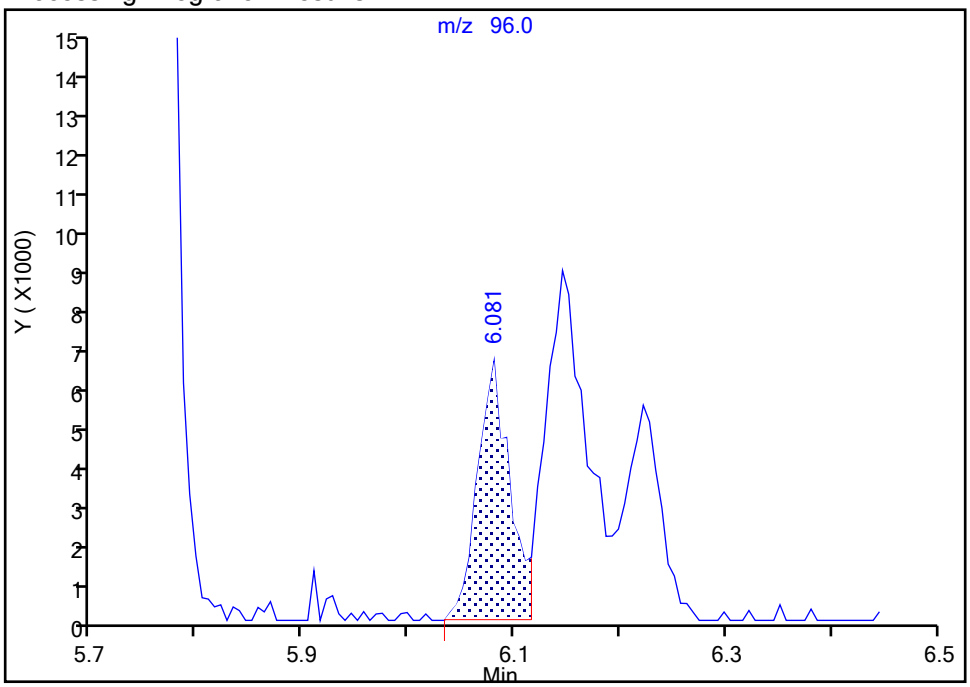
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D
Injection Date: 01-Mar-2025 18:32:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 73 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

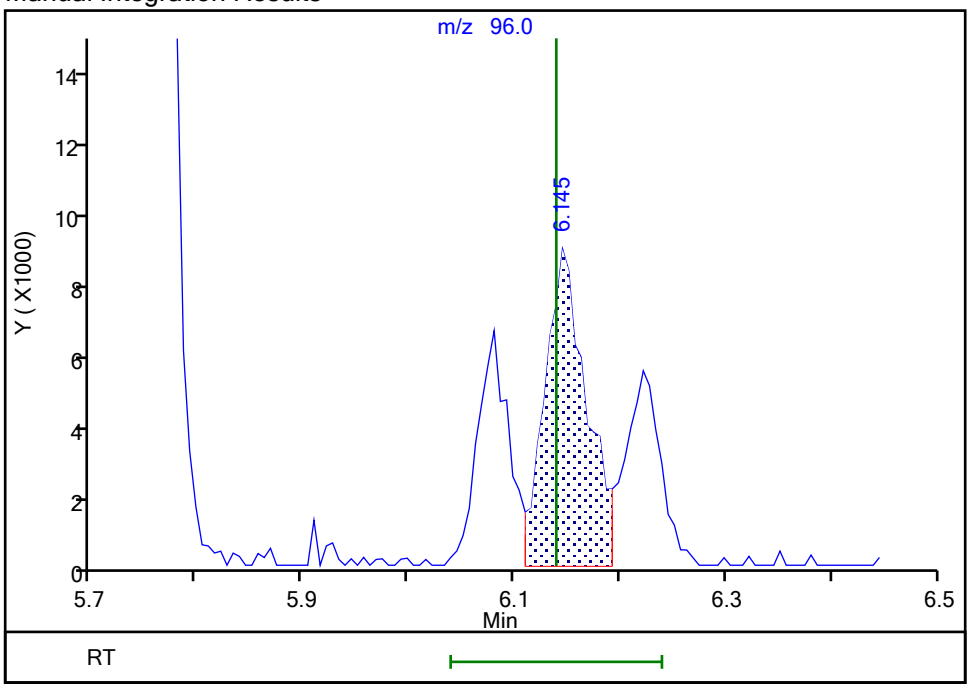
Processing Integration Results

RT: 6.08
Area: 13617
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.15
Area: 23570
Amount: 1000.0000
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:02:28 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

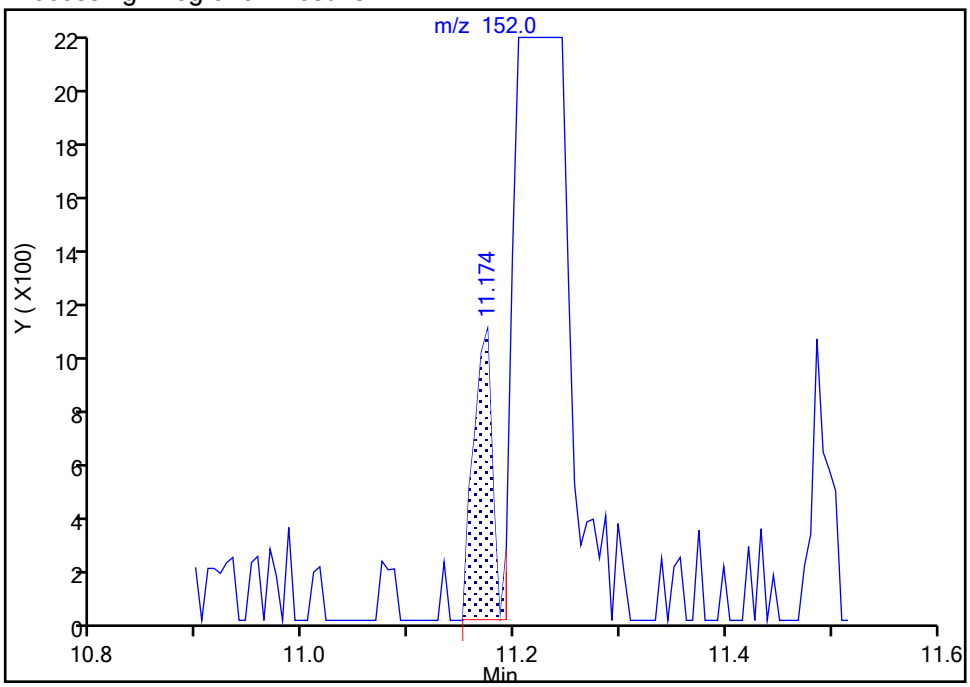
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D
Injection Date: 01-Mar-2025 18:32:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 121 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

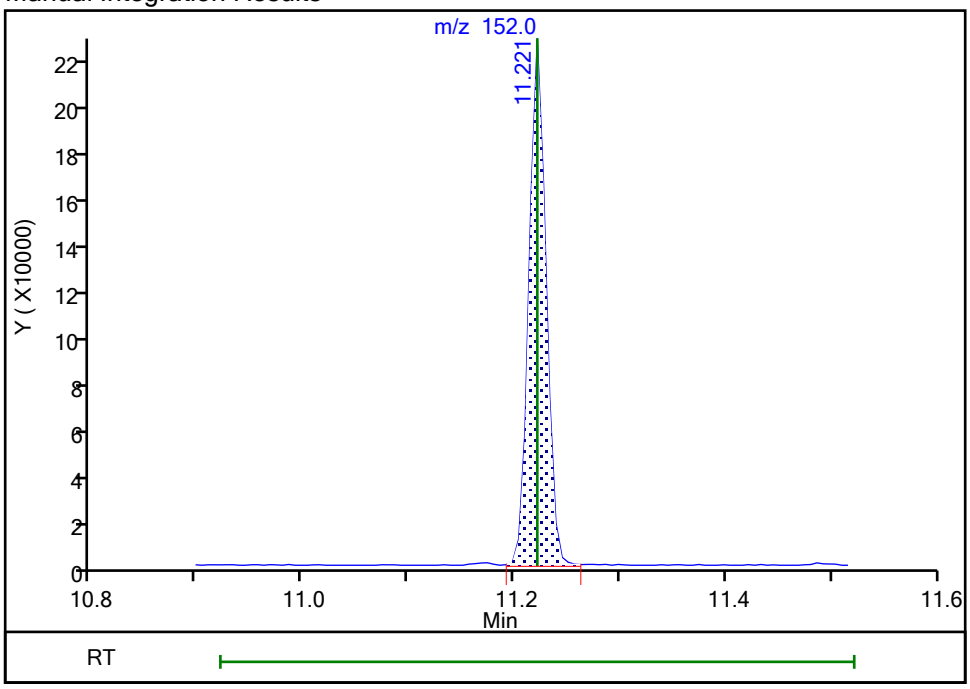
Processing Integration Results

RT: 11.17
Area: 1380
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 11.22
Area: 255814
Amount: 50.000000
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:02:33 -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\20250301-187452.b\A22879.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 01-Mar-2025 15:41:30 ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0187452-040
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:54:09 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: NN6A Date: 02-Mar-2025 20:30:30

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	3.122	3.122	0.000	0	152223	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	143421	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	140523	50.0	48.4	
60 Benzene	78	5.075	5.069	0.006	41	2427	0.2000	0.2349	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.086	5.087	-0.001	0	128833	50.0	48.2	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	6	924	0.2000	0.2753	a
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	517720	50.0	50.0	
68 Trichloroethene	95	5.751	5.757	-0.006	17	1010	0.2000	0.2045	a
71 1,2-Dichloropropane	63	6.080	6.069	0.011	1	382	0.2000	0.1622	a
* 73 1,4-Dioxane-d8	96	6.133	6.139	-0.006	0	21139	1000.0	1000.0	
77 Dichlorobromomethane	83	6.392	6.387	0.006	17	1444	0.2000	0.2060	
81 cis-1,3-Dichloropropene	75	6.951	6.951	0.000	1	1016	0.2000	0.2555	
$ 83 Toluene-d8 (Surr)	98	7.227	7.228	-0.001	99	506360	50.0	51.2	
86 trans-1,3-Dichloropropene	75	7.722	7.716	0.006	1	737	0.2000	0.2023	a
87 1,1,2-Trichloroethane	83	7.980	7.986	-0.006	1	392	0.2000	0.2072	Ma
88 Tetrachloroethene	166	8.027	8.039	-0.012	1	695	0.2000	0.2294	M
92 Chlorodibromomethane	129	8.574	8.569	0.005	1	558	0.2000	0.1972	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	387790	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	10.410	10.410	0.000	93	164163	50.0	51.2	
106 1,1,2,2-Tetrachloroethane	83	10.539	10.551	-0.012	1	538	0.2000	0.2097	a
* 121 1,4-Dichlorobenzene-d4	152	11.215	11.221	-0.006	95	209569	50.0	50.0	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	2.00	Units: uL	
524FREONS_00031	Amount Added:	0.00	Units: uL	
ACROLEIN W_00180	Amount Added:	0.00	Units: uL	
GASES Li_00629	Amount Added:	0.00	Units: uL	
GAS Hi_00490	Amount Added:	0.00	Units: uL	
Ethanol mix_00099	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00135	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00159	Amount Added:	0.00	Units: uL	
MIX I Hi_00186	Amount Added:	0.00	Units: uL	
7 Freons Hi_00025	Amount Added:	0.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

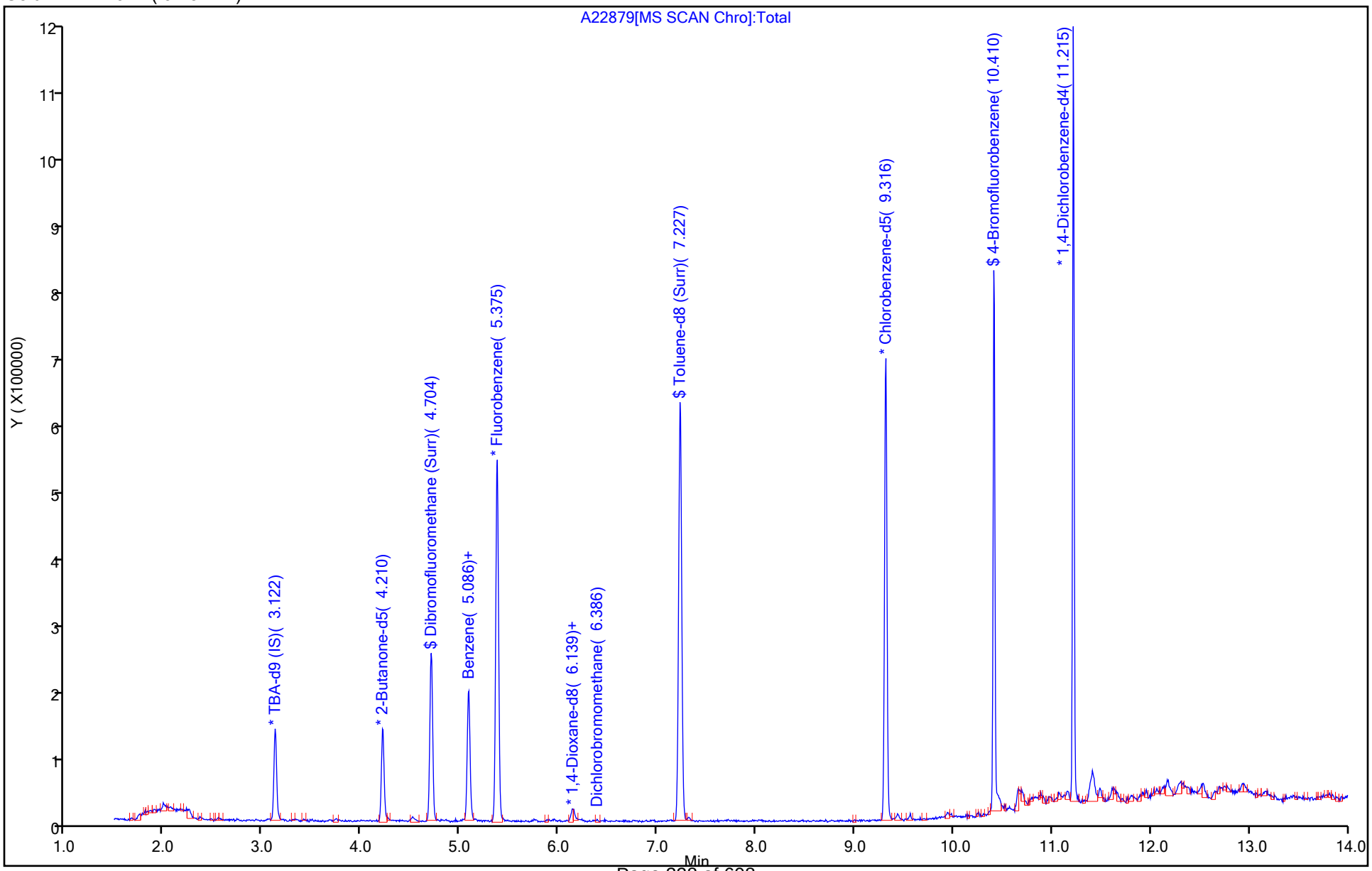
Report Date: 03-Mar-2025 16:54:09 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D

Injection Date:	01-Mar-2025 15:41:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	40
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

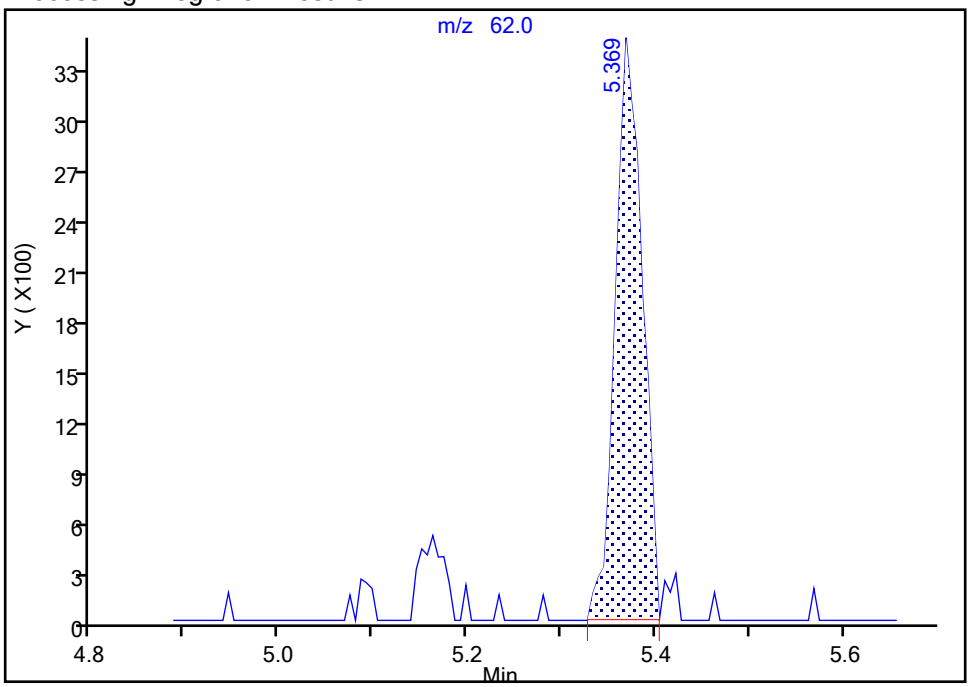
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

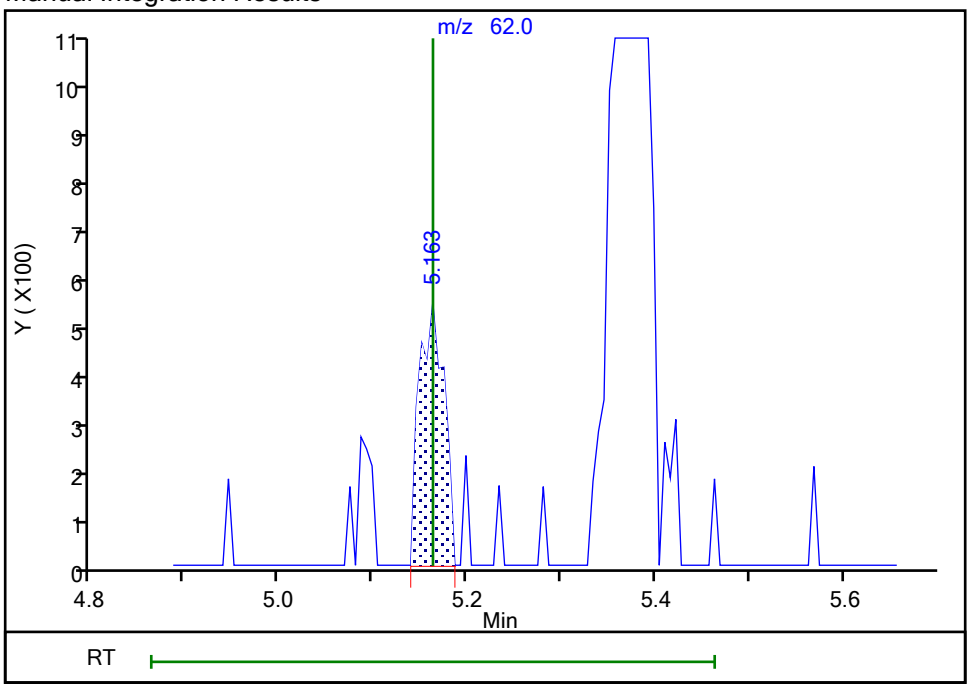
Processing Integration Results

RT: 5.37
Area: 6973
Amount: 0.827272
Amount Units: ug/l



Manual Integration Results

RT: 5.16
Area: 924
Amount: 0.275307
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:27:39 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

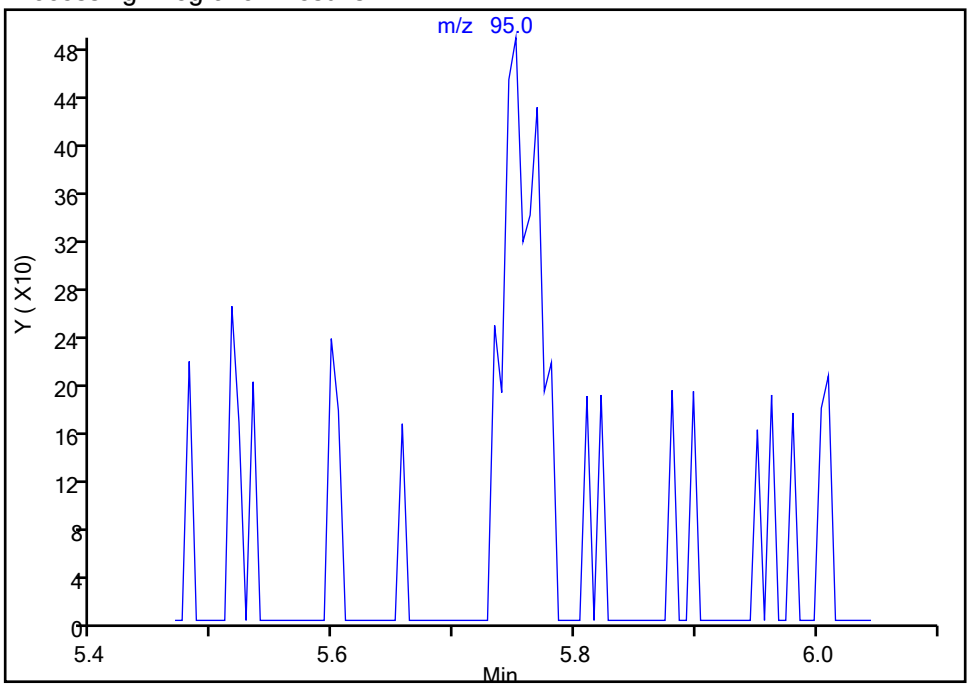
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

68 Trichloroethene, CAS: 79-01-6

Signal: 1

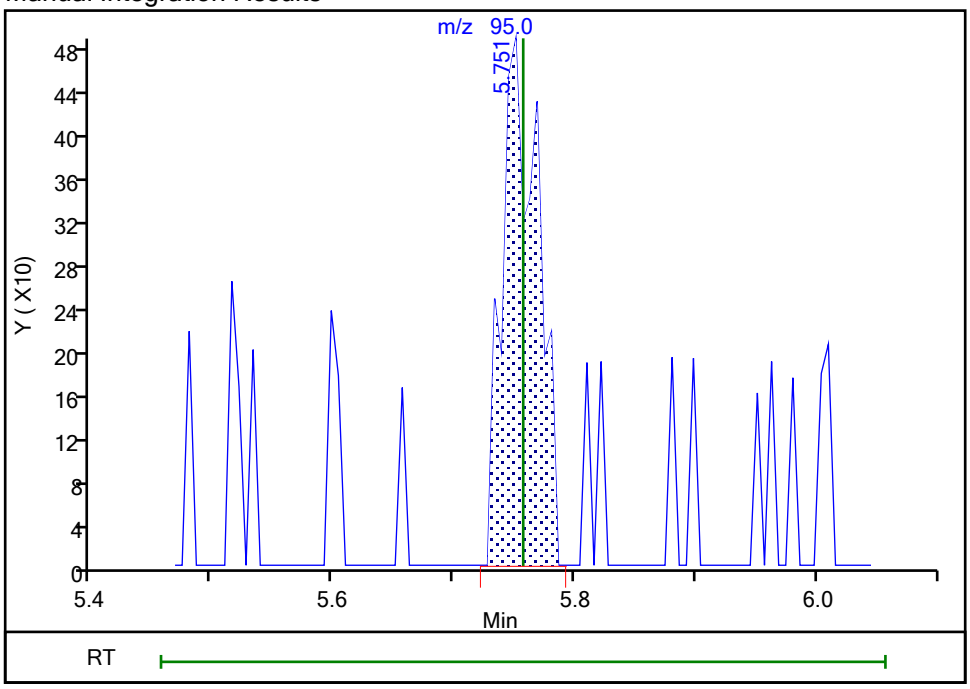
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.75
Area: 1010
Amount: 0.204451
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:27:33 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

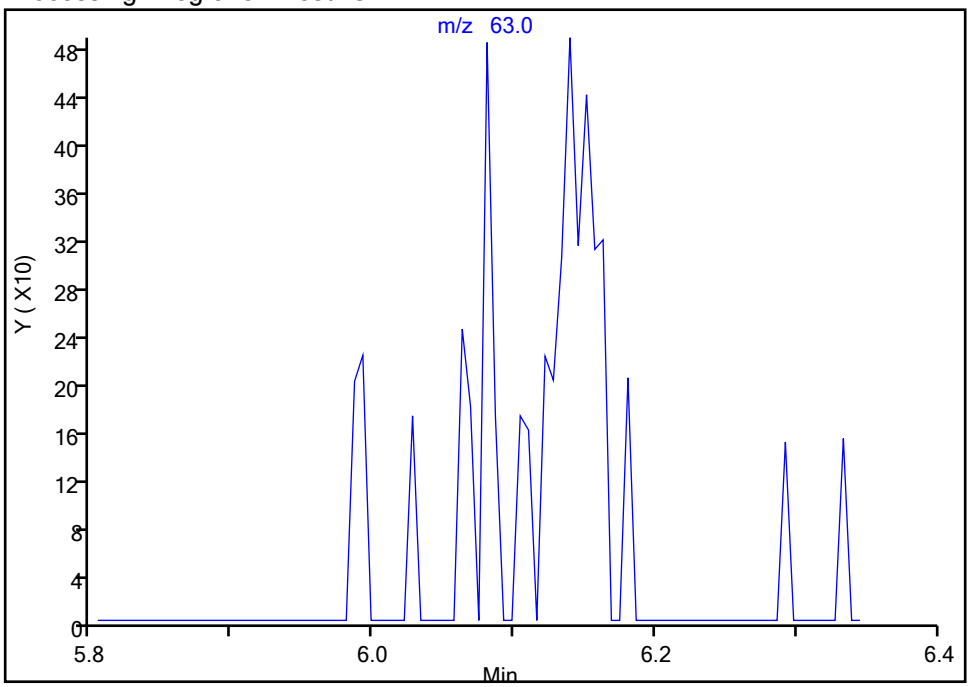
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

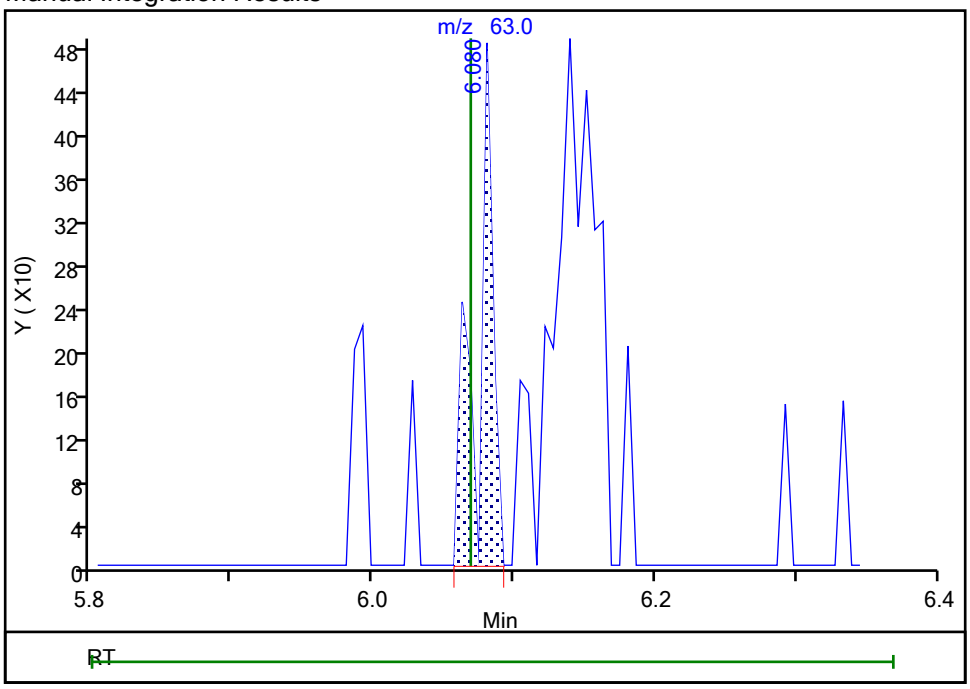
Not Detected
Expected RT: 6.07

Processing Integration Results



Manual Integration Results

RT: 6.08
Area: 382
Amount: 0.162202
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:30:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

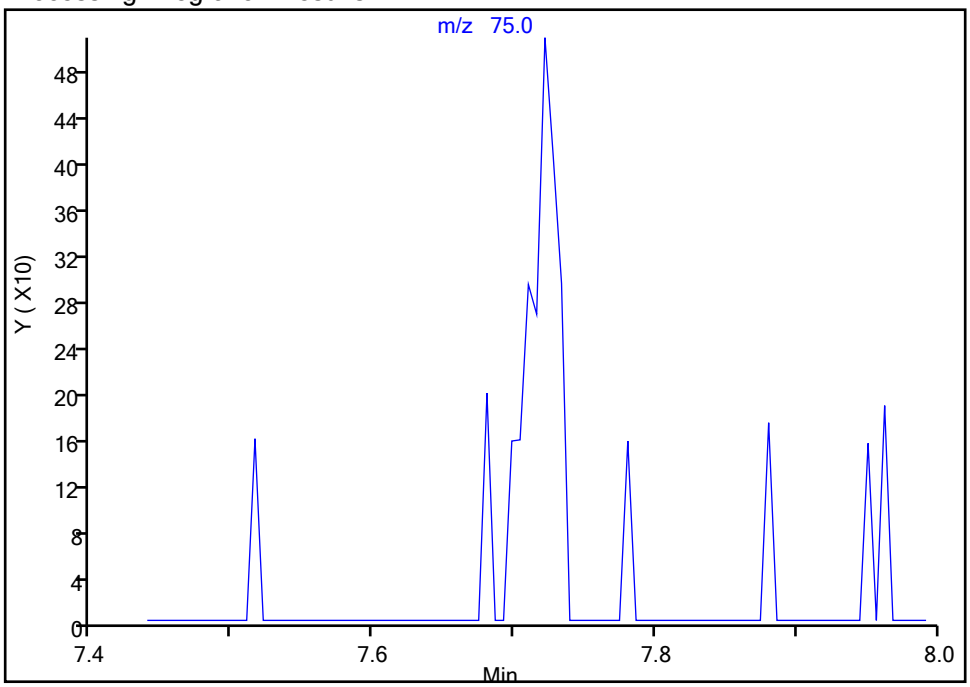
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 trans-1,3-Dichloropropene, CAS: 10061-02-6

Signal: 1

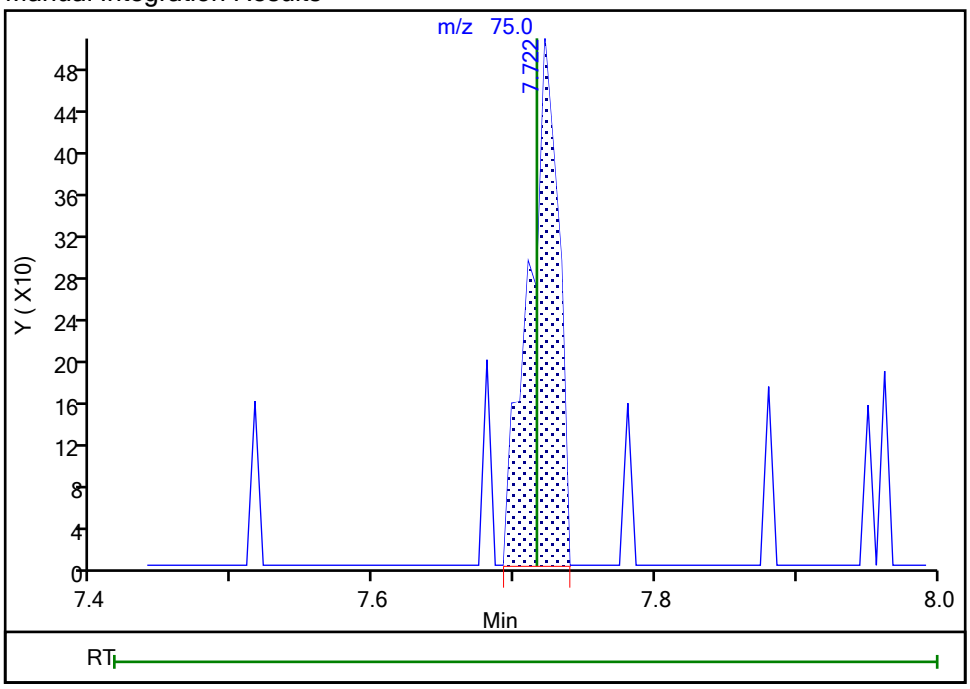
Not Detected
Expected RT: 7.72

Processing Integration Results



Manual Integration Results

RT: 7.72
Area: 737
Amount: 0.202266
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 15:59:41 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

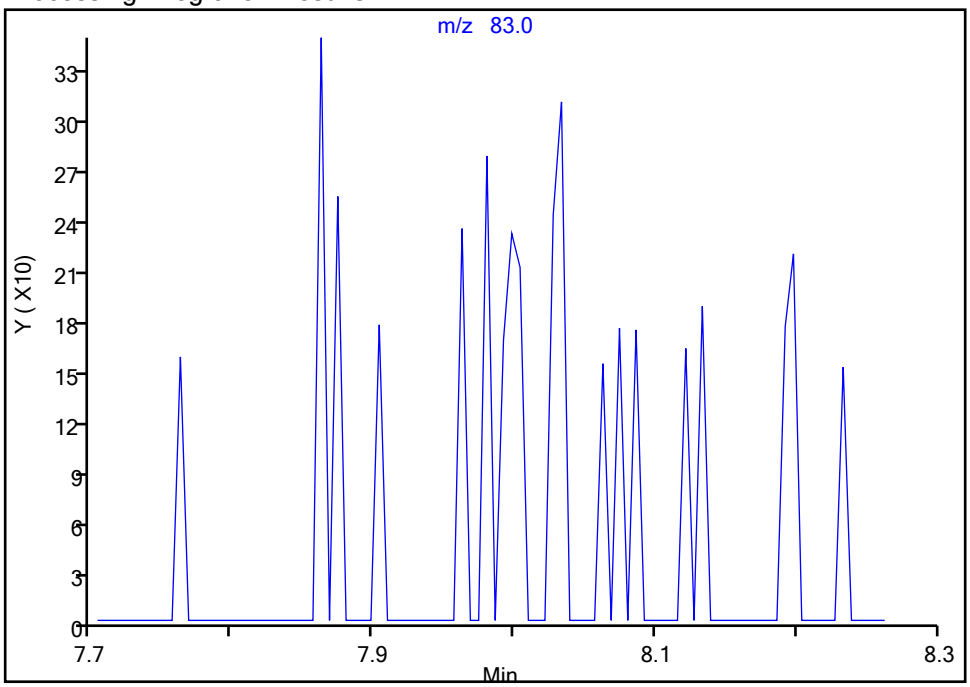
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

87 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

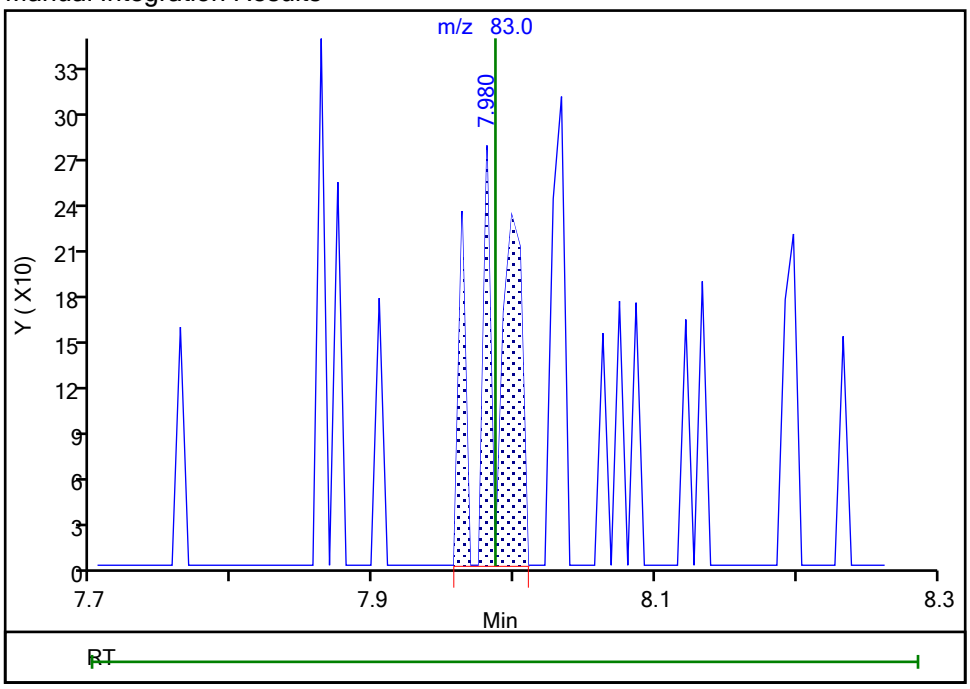
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.98
Area: 392
Amount: 0.207168
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:29:32 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

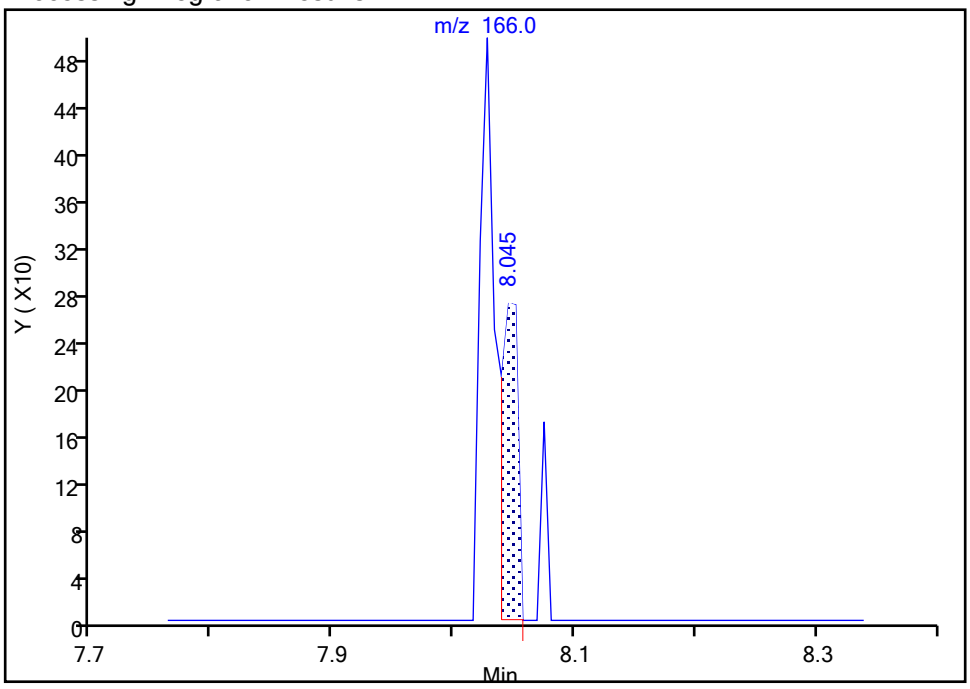
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

88 Tetrachloroethene, CAS: 127-18-4

Signal: 1

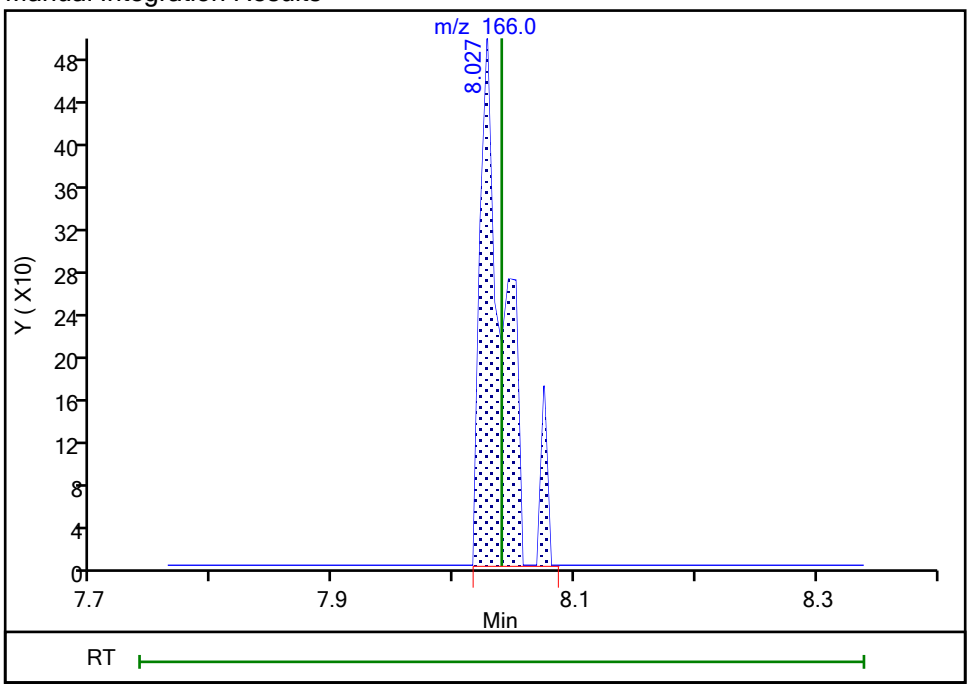
Processing Integration Results

RT: 8.05
Area: 261
Amount: 0.195621
Amount Units: ug/l



Manual Integration Results

RT: 8.03
Area: 695
Amount: 0.229424
Amount Units: ug/l



Reviewer: NN6A, 02-Mar-2025 20:28:10 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

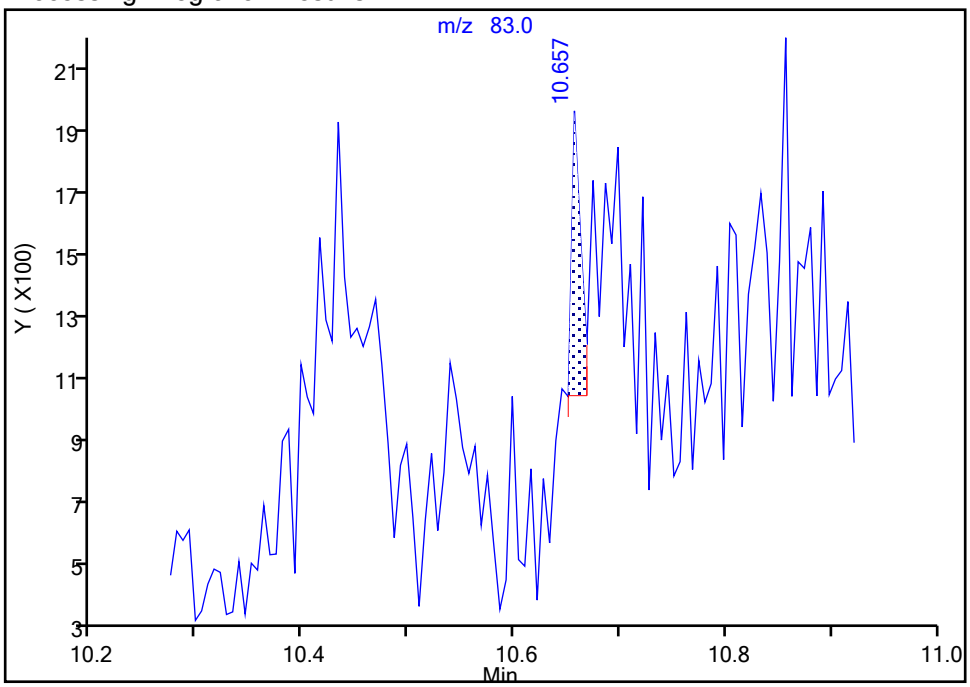
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

106 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

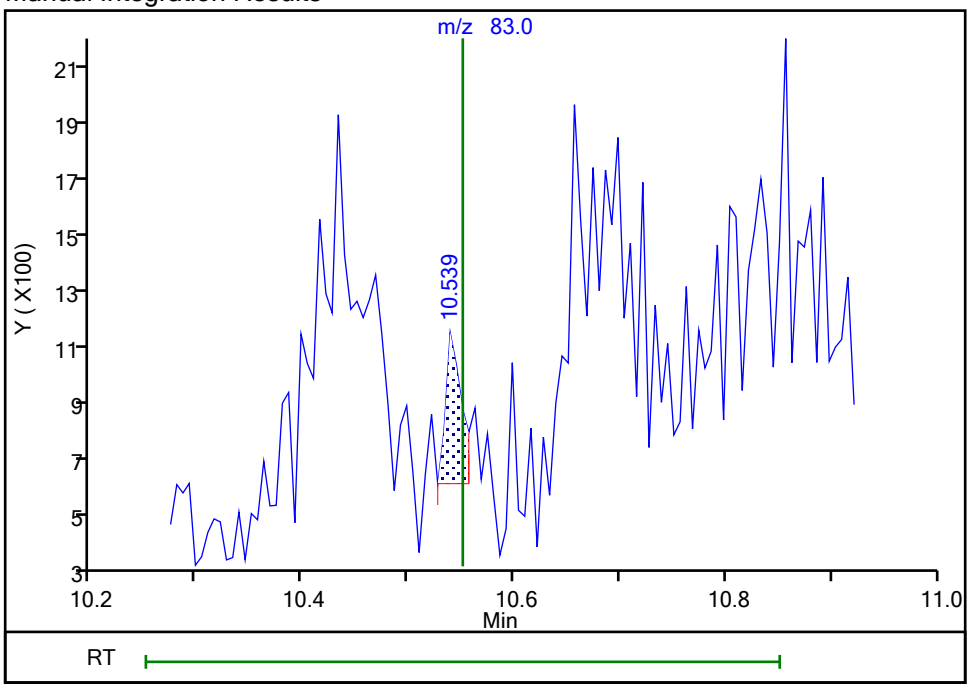
Processing Integration Results

RT: 10.66
Area: 535
Amount: 0.005989
Amount Units: ug/l



Manual Integration Results

RT: 10.54
Area: 538
Amount: 0.209741
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 15:58:46 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

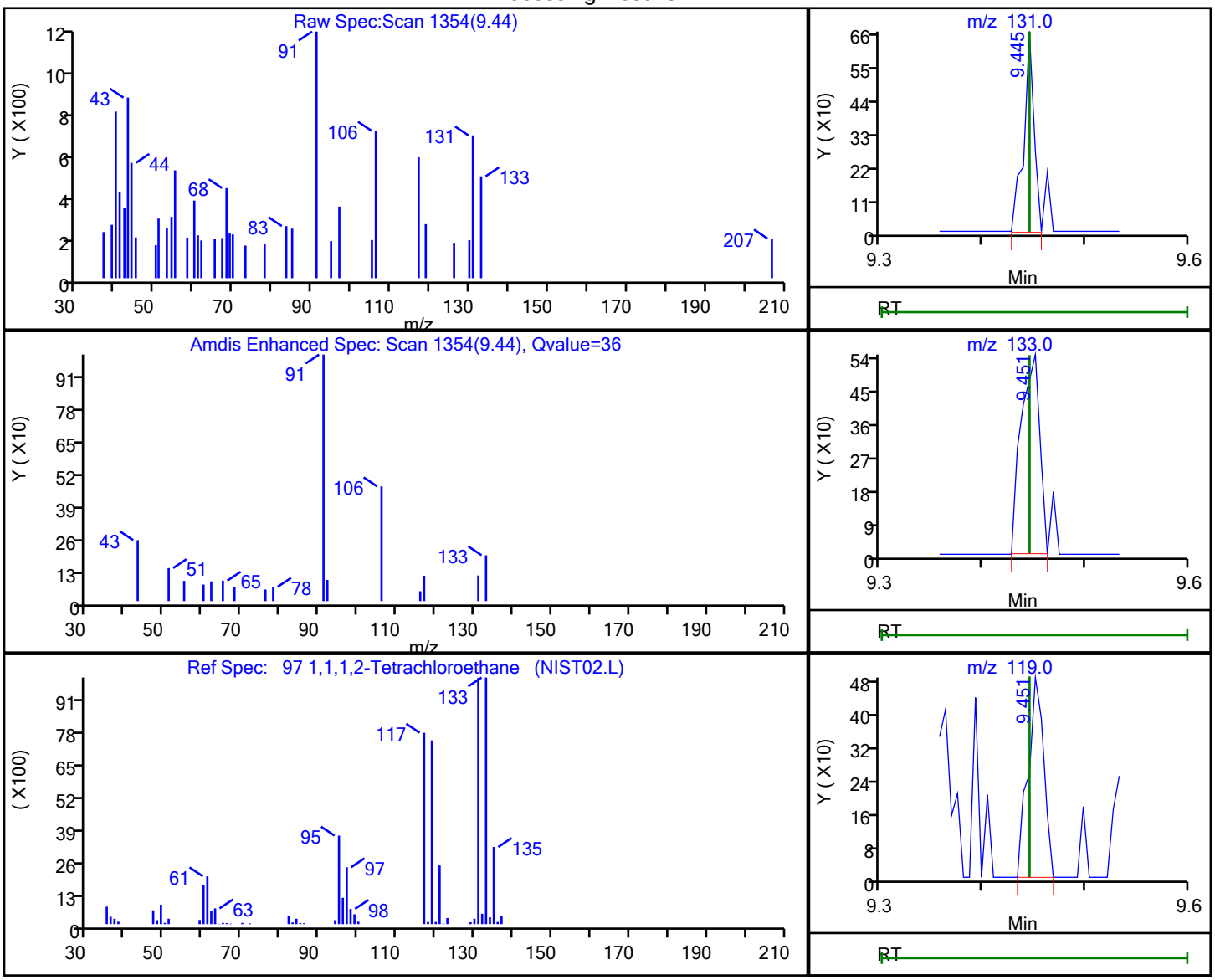
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

97 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results



RT	Mass	Response	Amount
9.44	131.00	469	0.164492
9.45	133.00	698	
9.45	119.00	526	
9.44	117.00	860	

Reviewer: NN6A, 03-Mar-2025 15:59:05 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

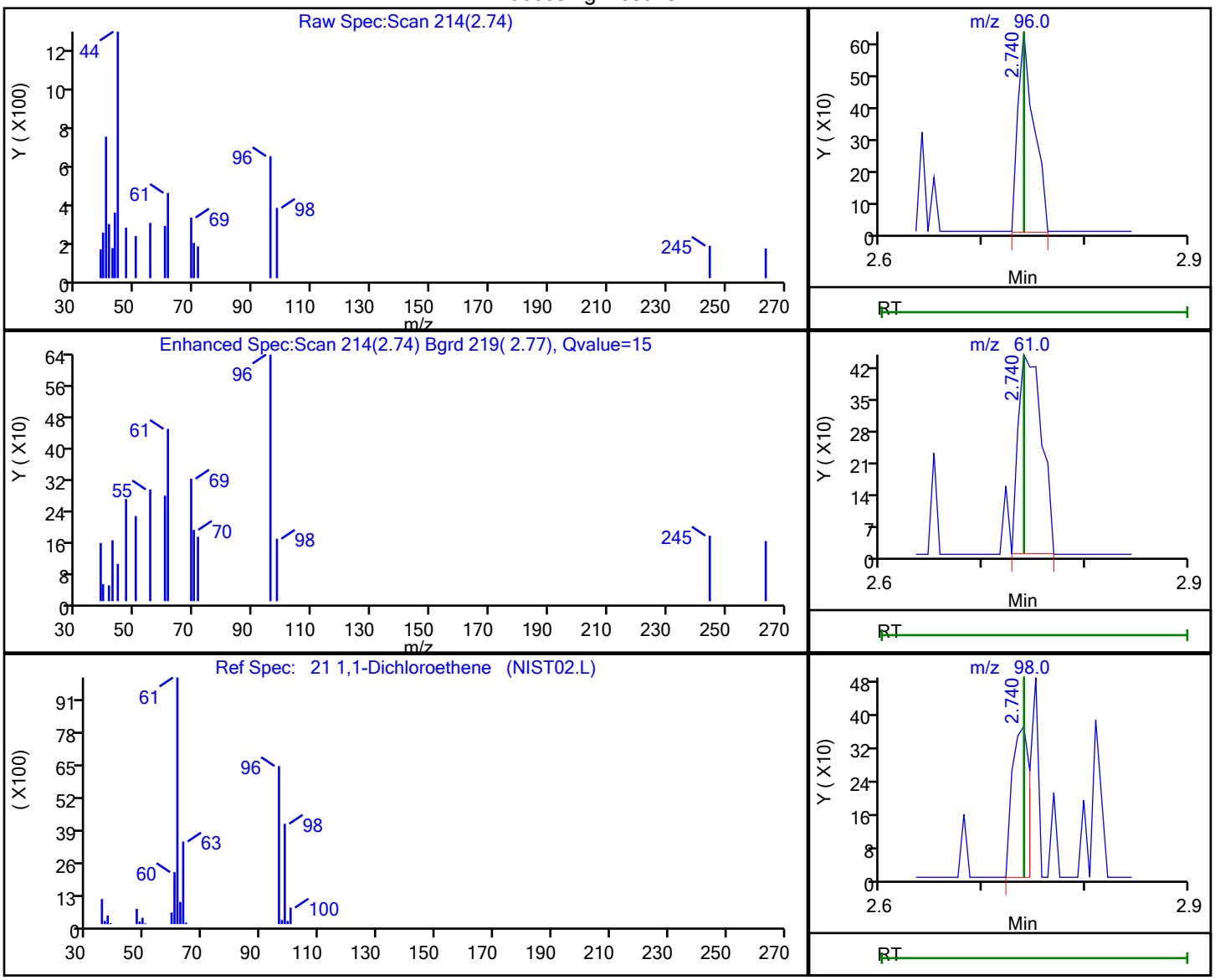
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.74	96.00	695	0.244287
2.74	61.00	713	
2.74	98.00	436	
2.75	63.00	169	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

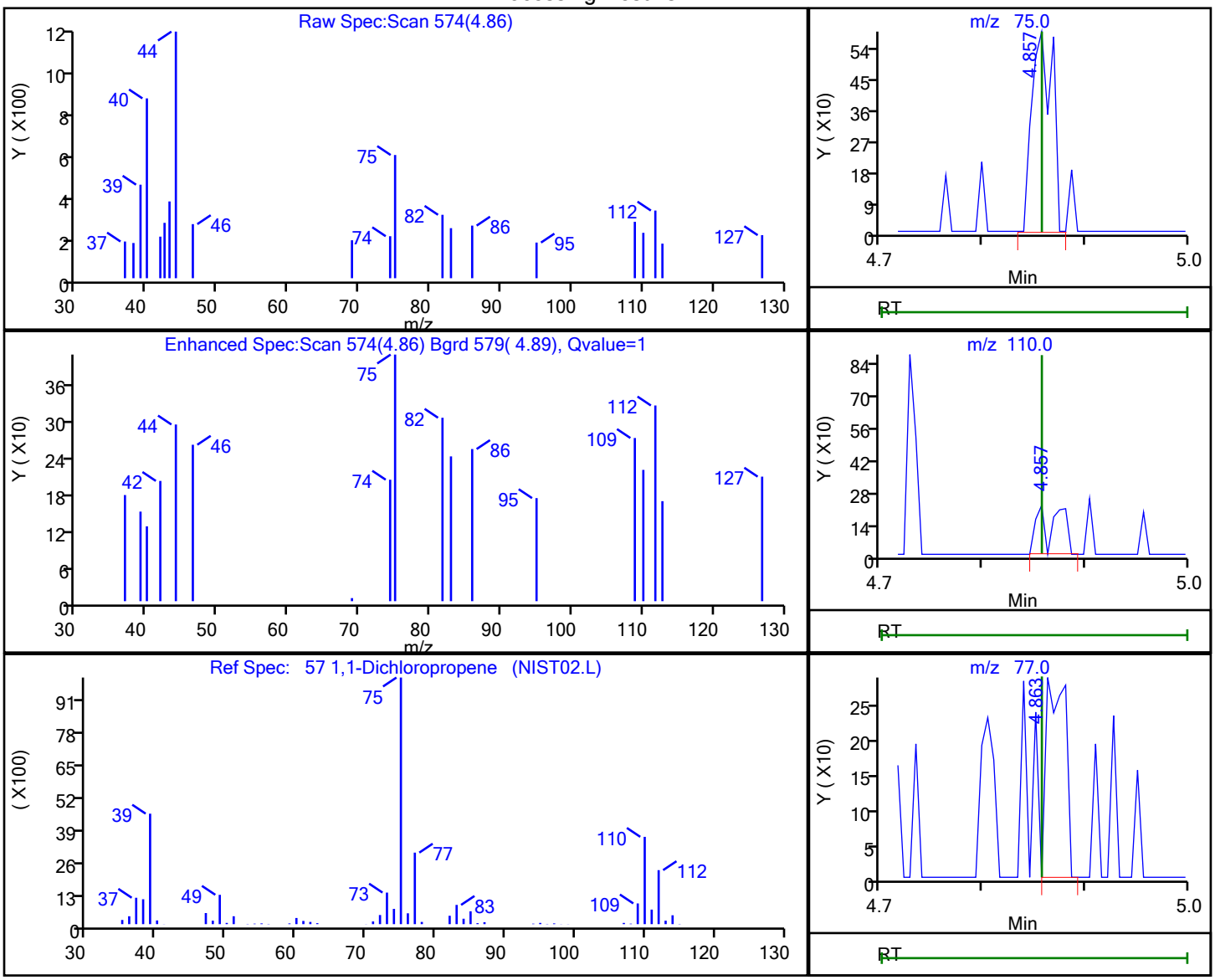
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

57 1,1-Dichloropropene, CAS: 563-58-6

Processing Results



RT	Mass	Response	Amount
4.86	75.00	812	0.216021
4.86	110.00	326	
4.86	77.00	377	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

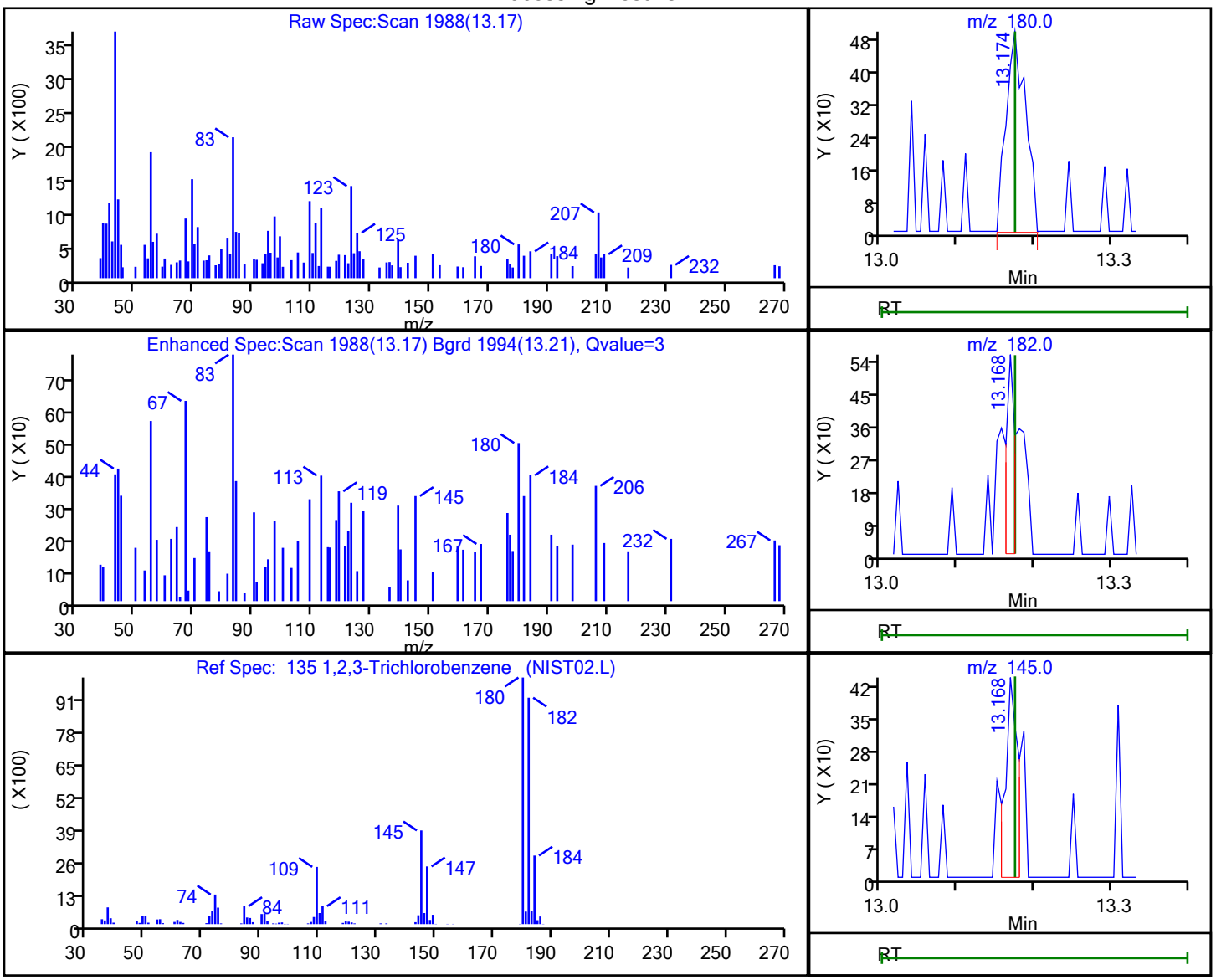
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

135 1,2,3-Trichlorobenzene, CAS: 87-61-6

Processing Results



RT	Mass	Response	Amount
13.17	180.00	877	0.006368
13.17	182.00	418	
13.17	145.00	485	

Reviewer: NN6A, 02-Mar-2025 20:29:12 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

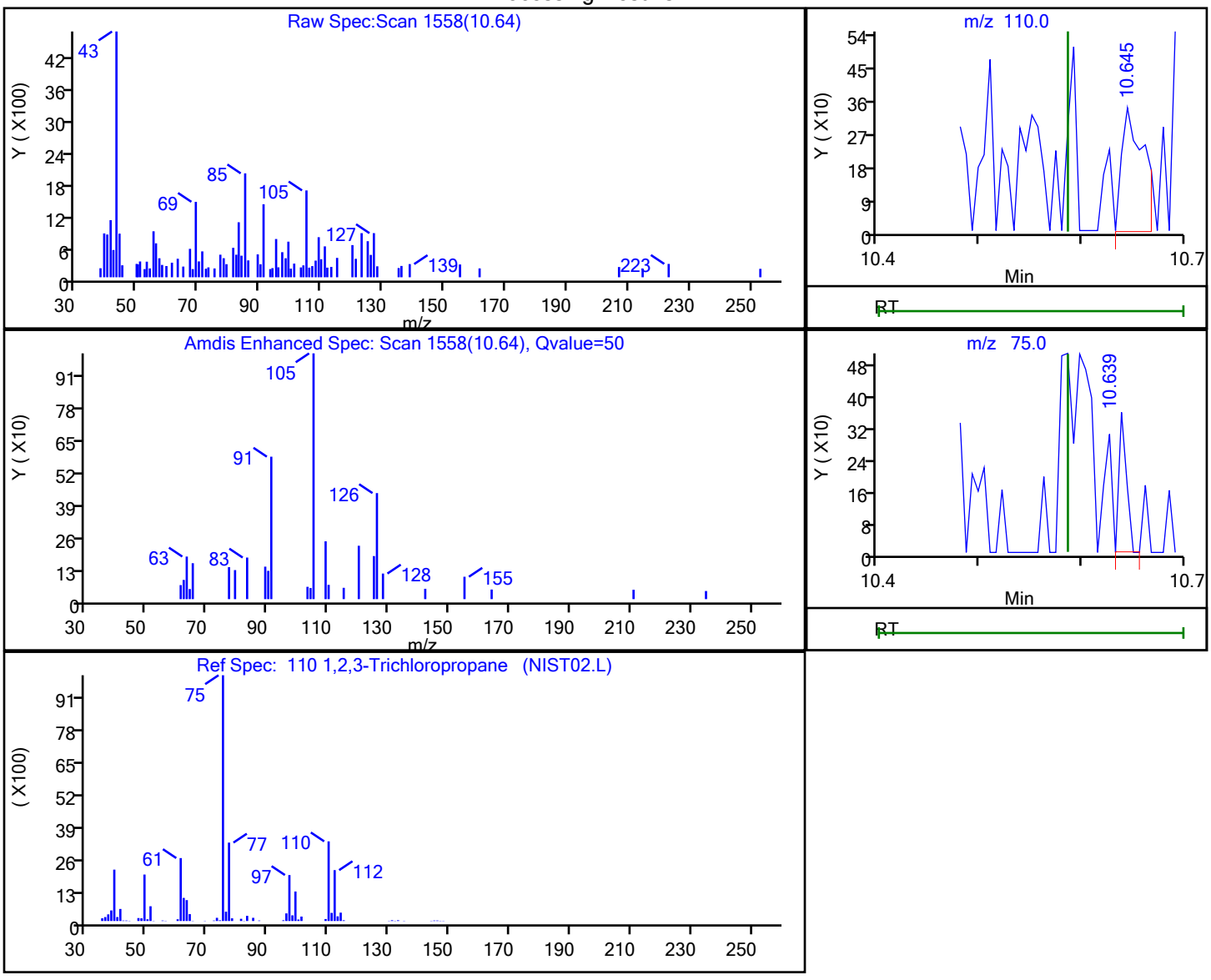
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

110 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
10.64	110.00	501	0.017307
10.64	75.00	185	

Reviewer: NN6A, 02-Mar-2025 20:28:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

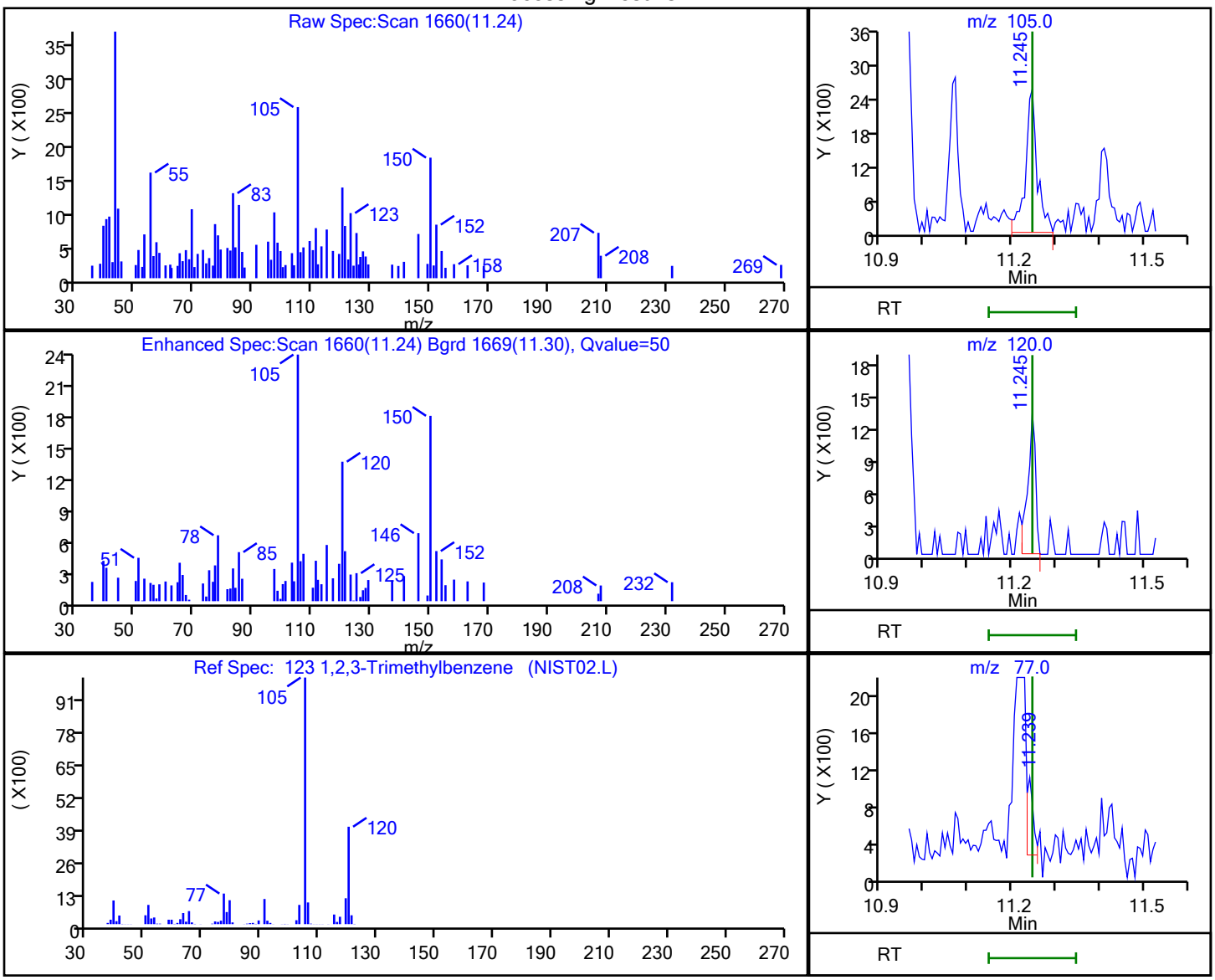
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
11.24	105.00	4603	0.010567
11.24	120.00	1657	
11.24	77.00	847	

Reviewer: NN6A, 02-Mar-2025 20:29:01 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

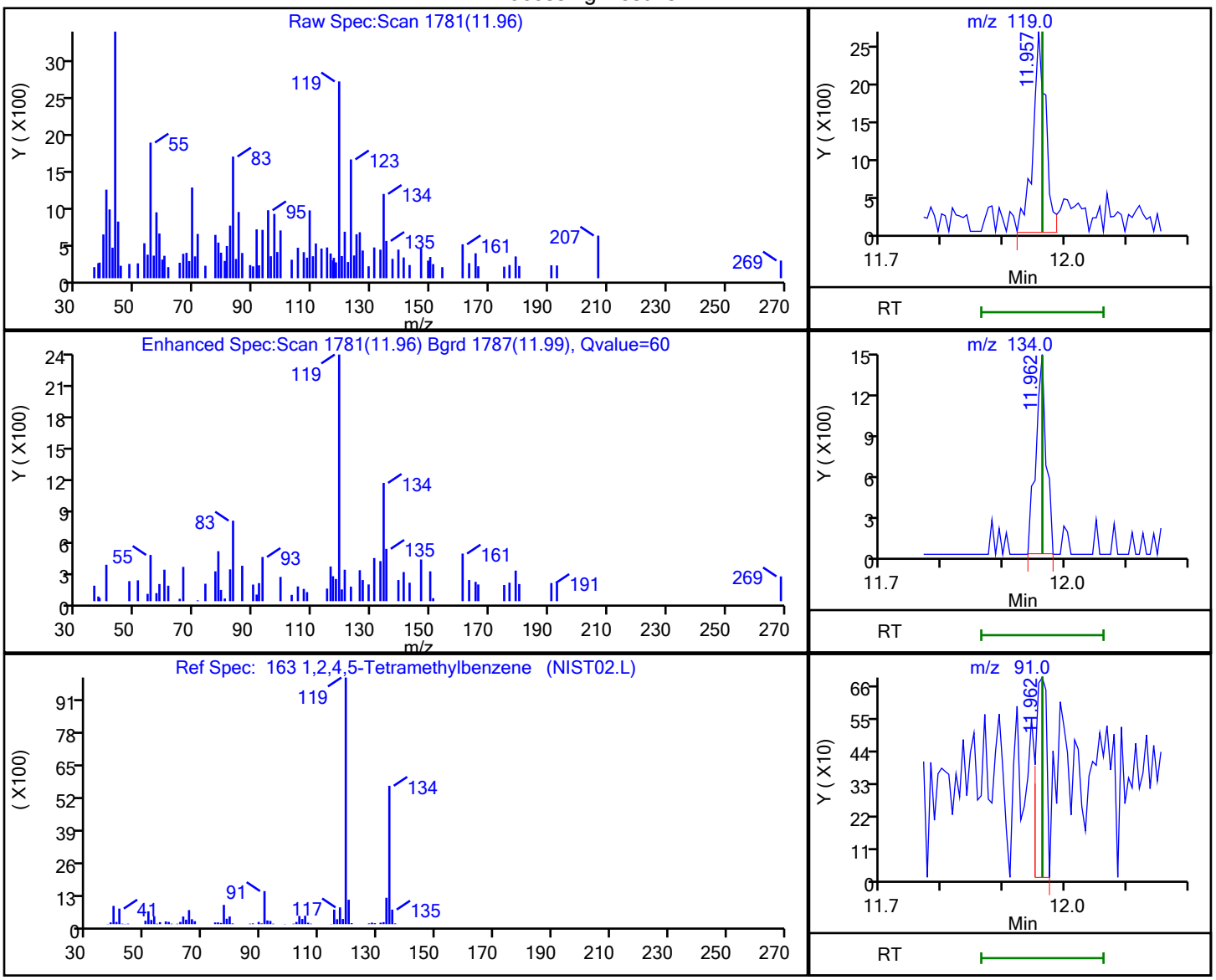
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

163 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.96	119.00	3867	
11.96	134.00	1705	
11.96	91.00	838	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

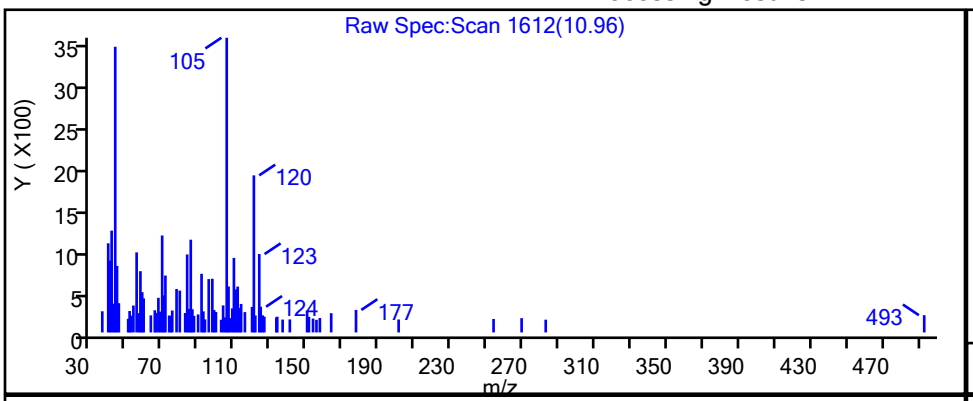
User Disabled Compound Report

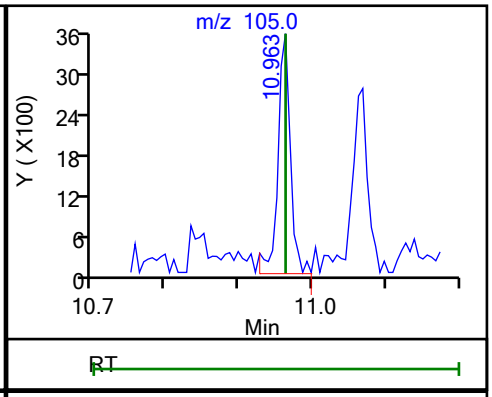
Eurofins Edison

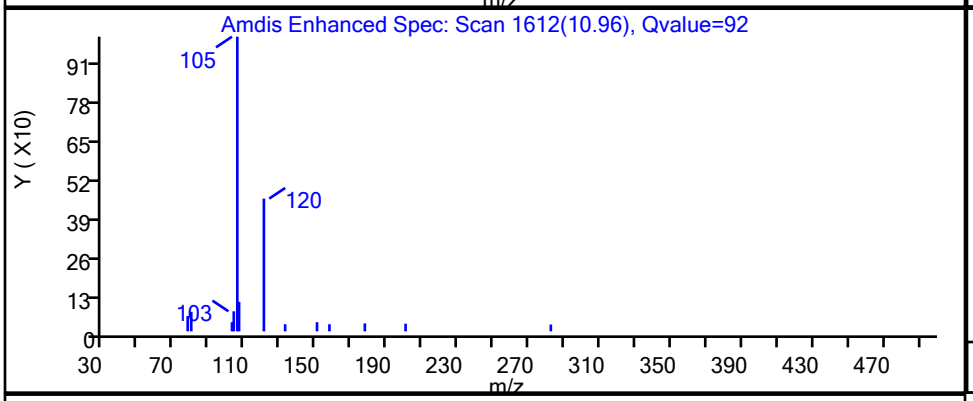
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D				
Injection Date:	01-Mar-2025 15:41:30	Instrument ID:	CVOAMS1		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

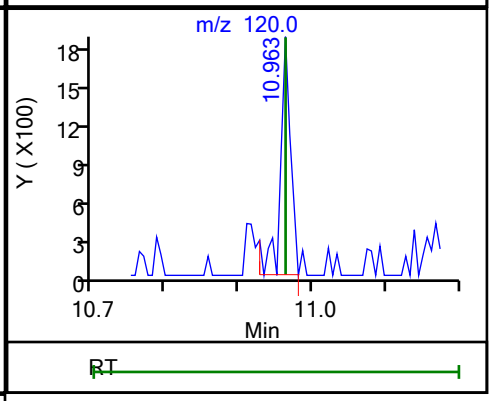
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

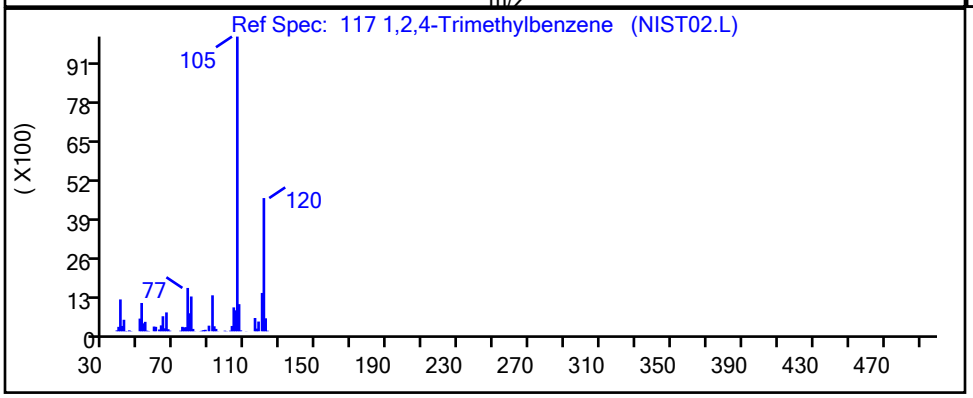
Processing Results











RT	Mass	Response	Amount
10.96	105.00	4103	0.010212
10.96	120.00	1865	

Reviewer: NN6A, 02-Mar-2025 20:28:47 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

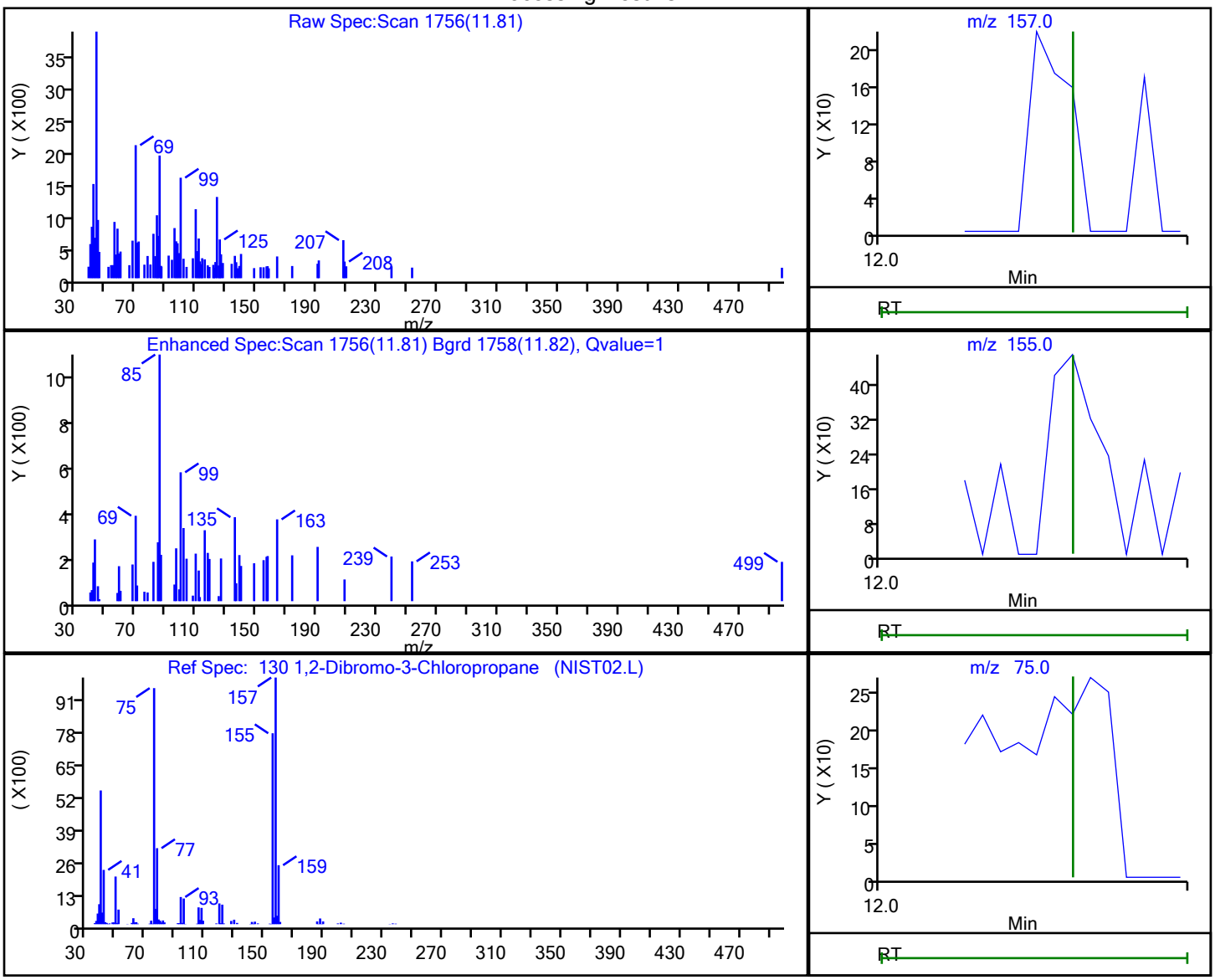
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

130 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
11.81	157.00	120	0.006281
11.80	155.00	188	
11.81	75.00	200	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

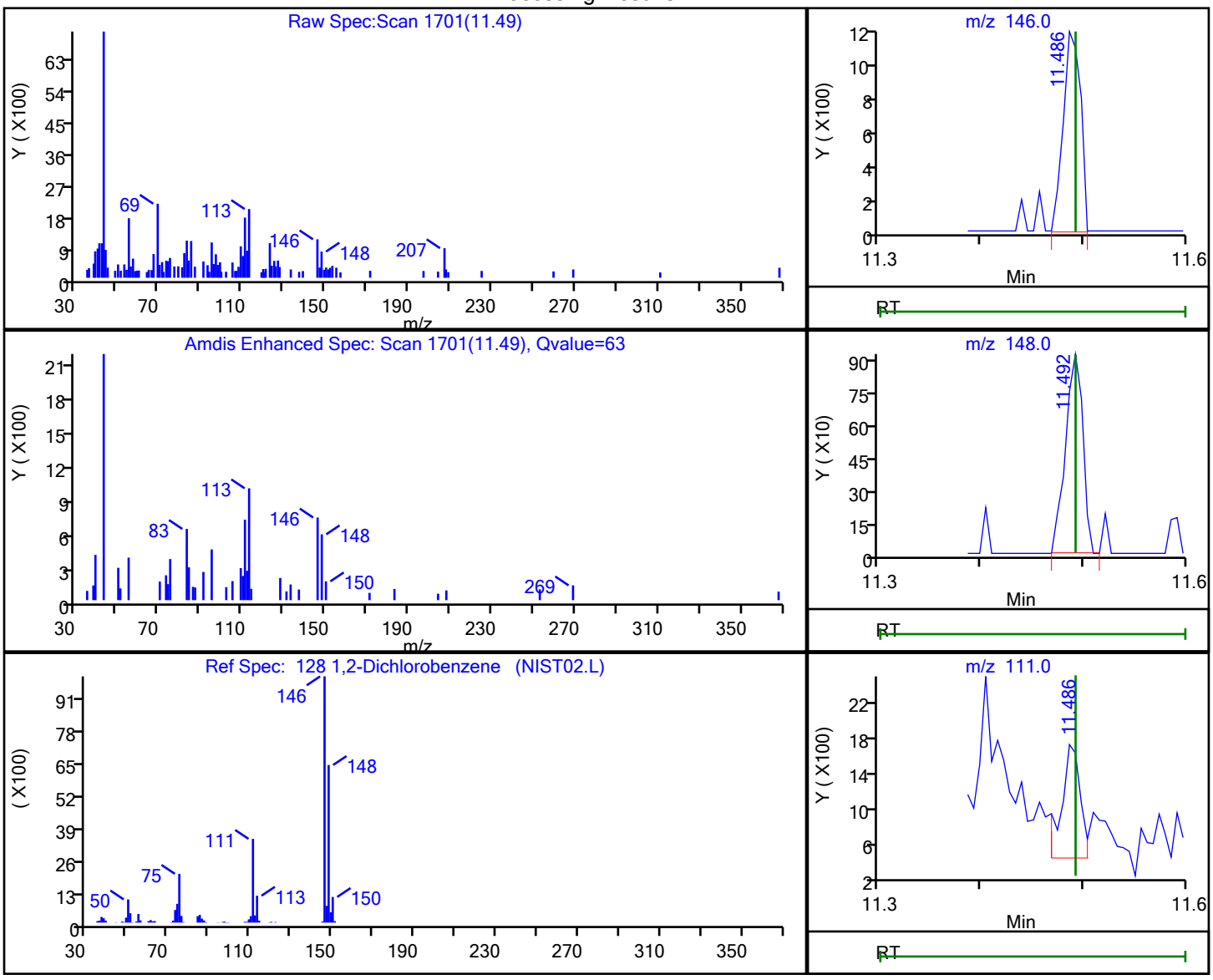
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
11.49	146.00	1306	0.006170
11.49	148.00	1103	
11.49	111.00	1670	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 03-Mar-2025 16:54:11 Chrom Revision: 2.3 18-Feb-2025 08:41:40

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D

Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1

Lims ID: STD8

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 40

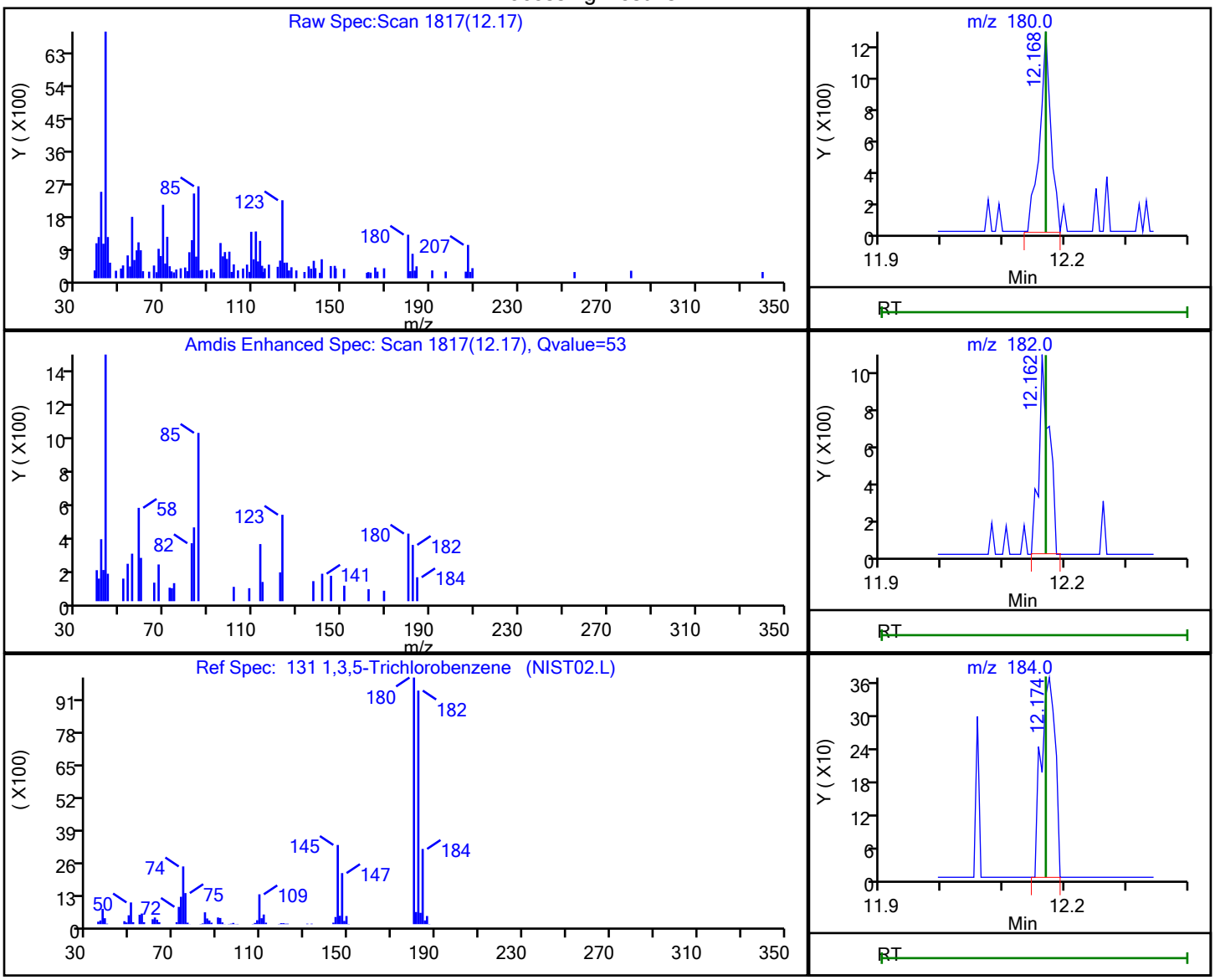
Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

131 1,3,5-Trichlorobenzene, CAS: 108-70-3

Processing Results



RT	Mass	Response	Amount
12.17	180.00	1529	
12.16	182.00	1283	
12.17	184.00	582	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

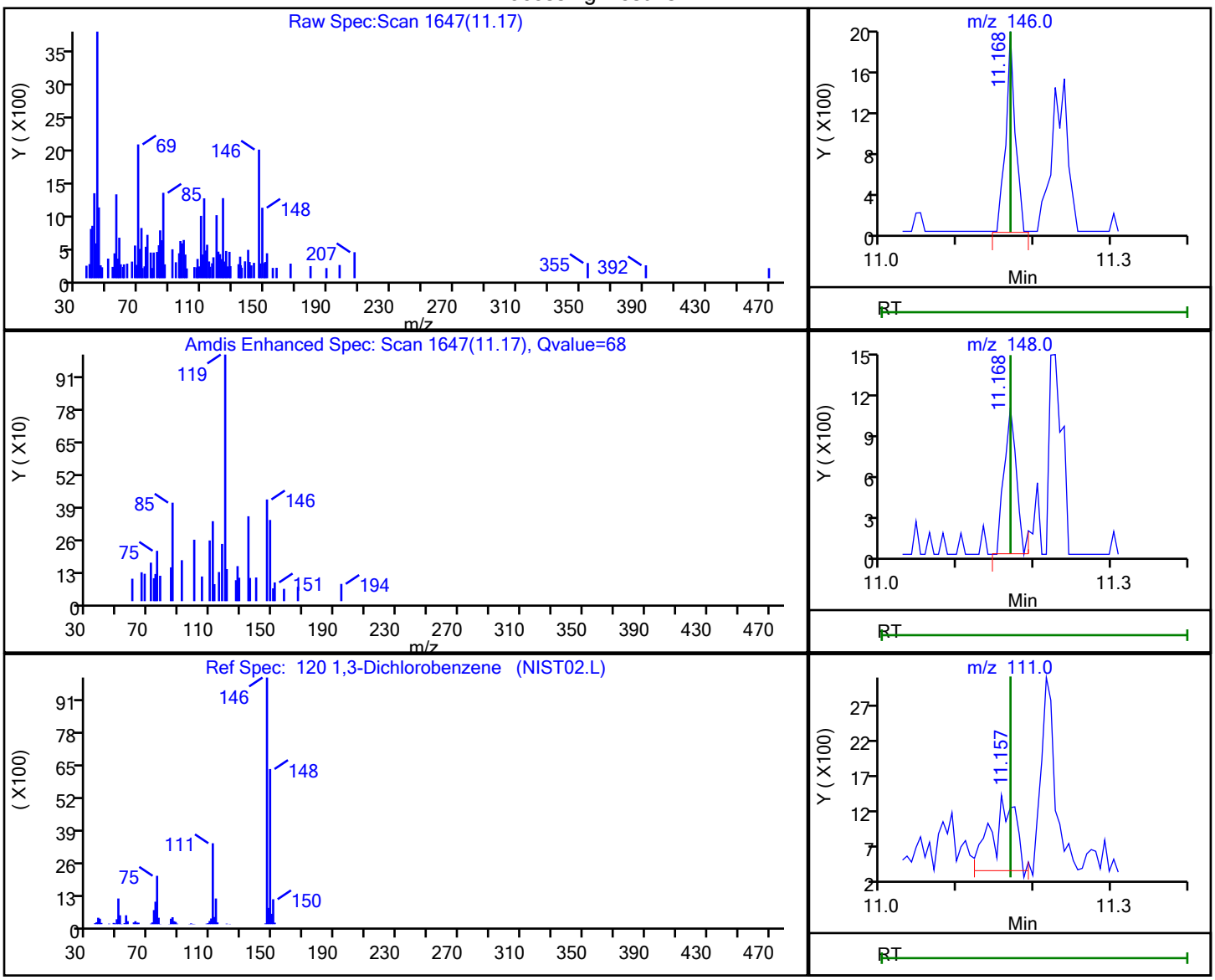
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
11.17	146.00	1688	0.006619
11.17	148.00	1242	
11.16	111.00	2232	

Reviewer: NN6A, 02-Mar-2025 20:28:59 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

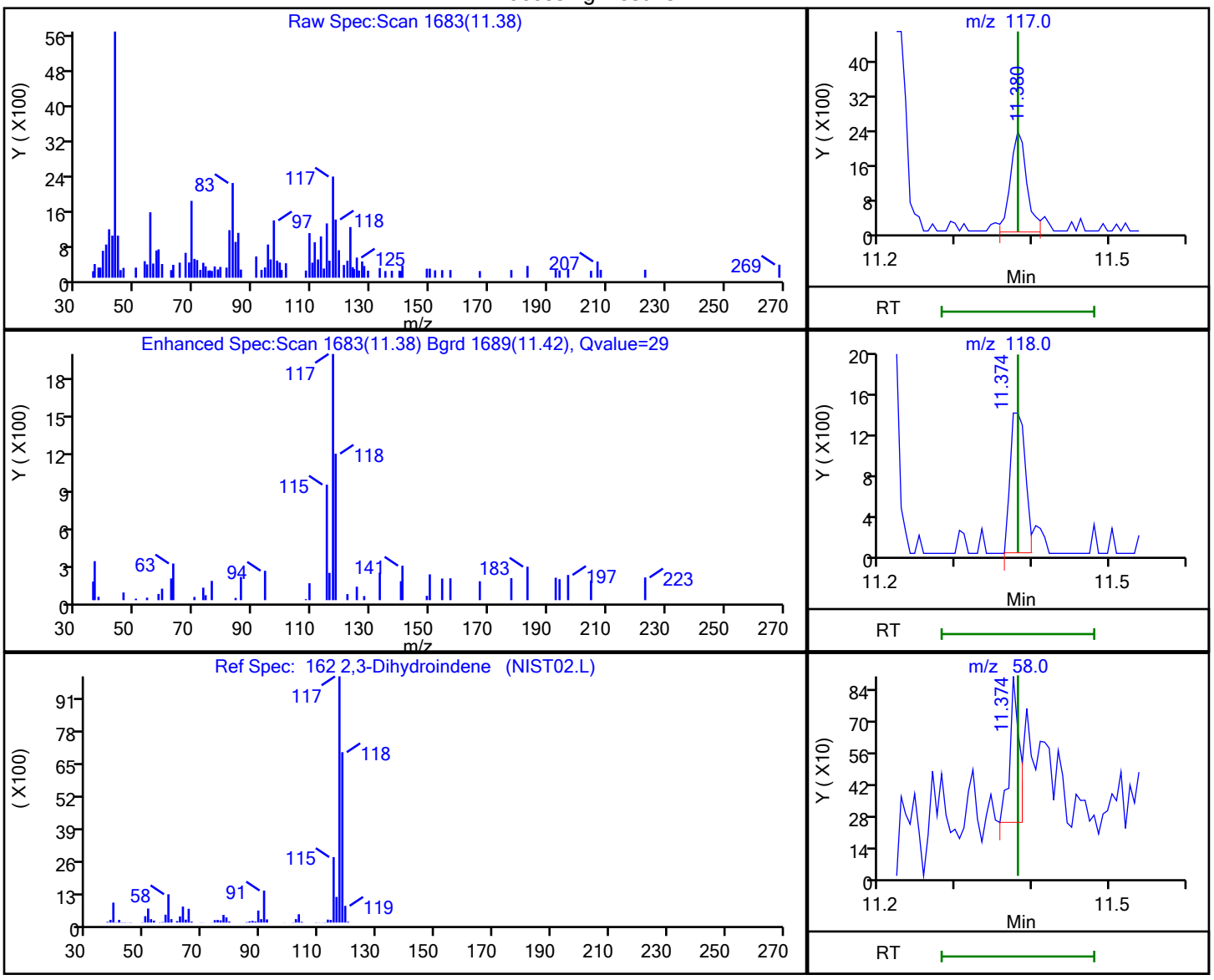
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

162 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
11.38	117.00	3435	
11.37	118.00	1874	
11.37	58.00	580	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

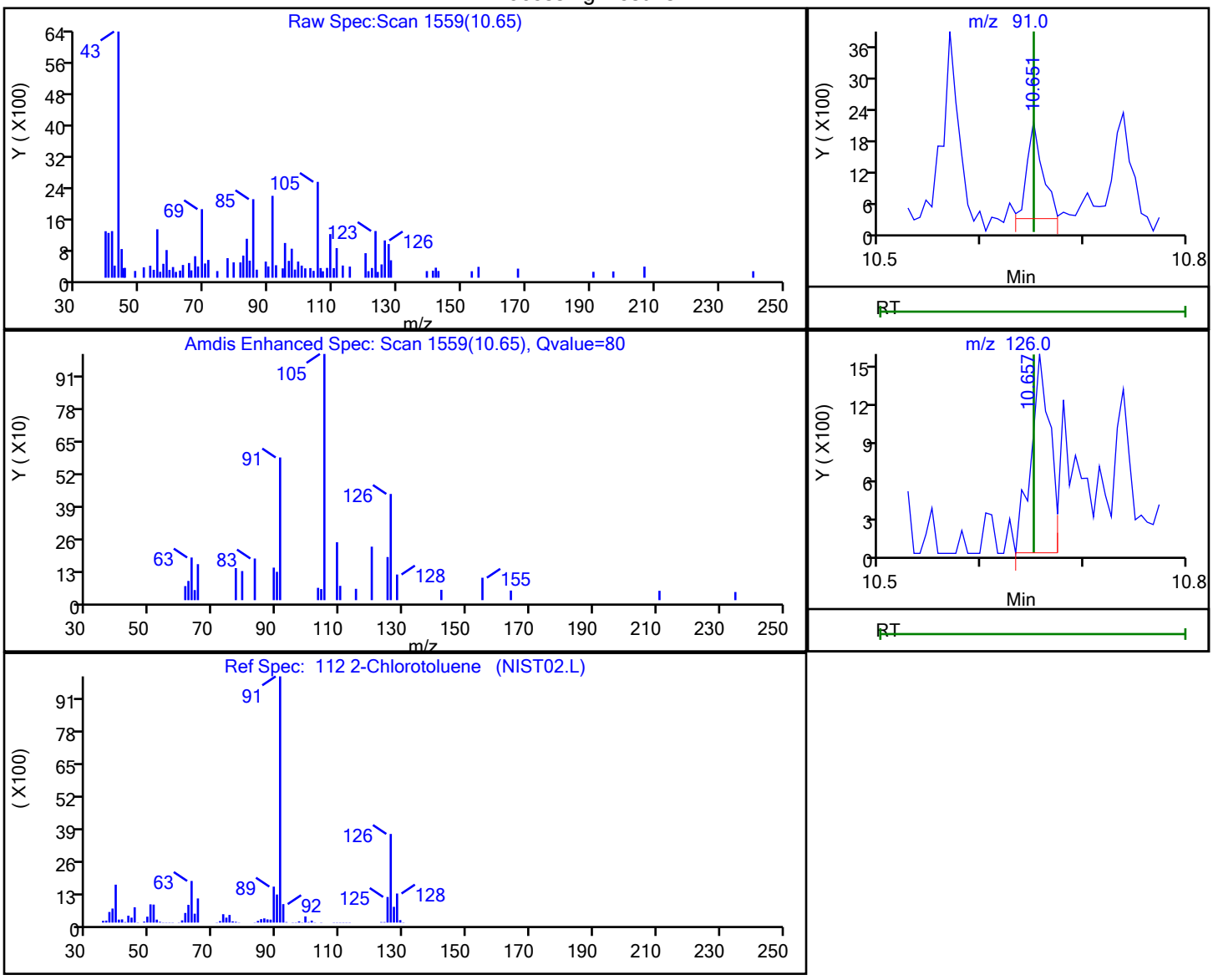
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
10.65	91.00	1995	0.004880
10.66	126.00	2093	

Reviewer: NN6A, 02-Mar-2025 20:28:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

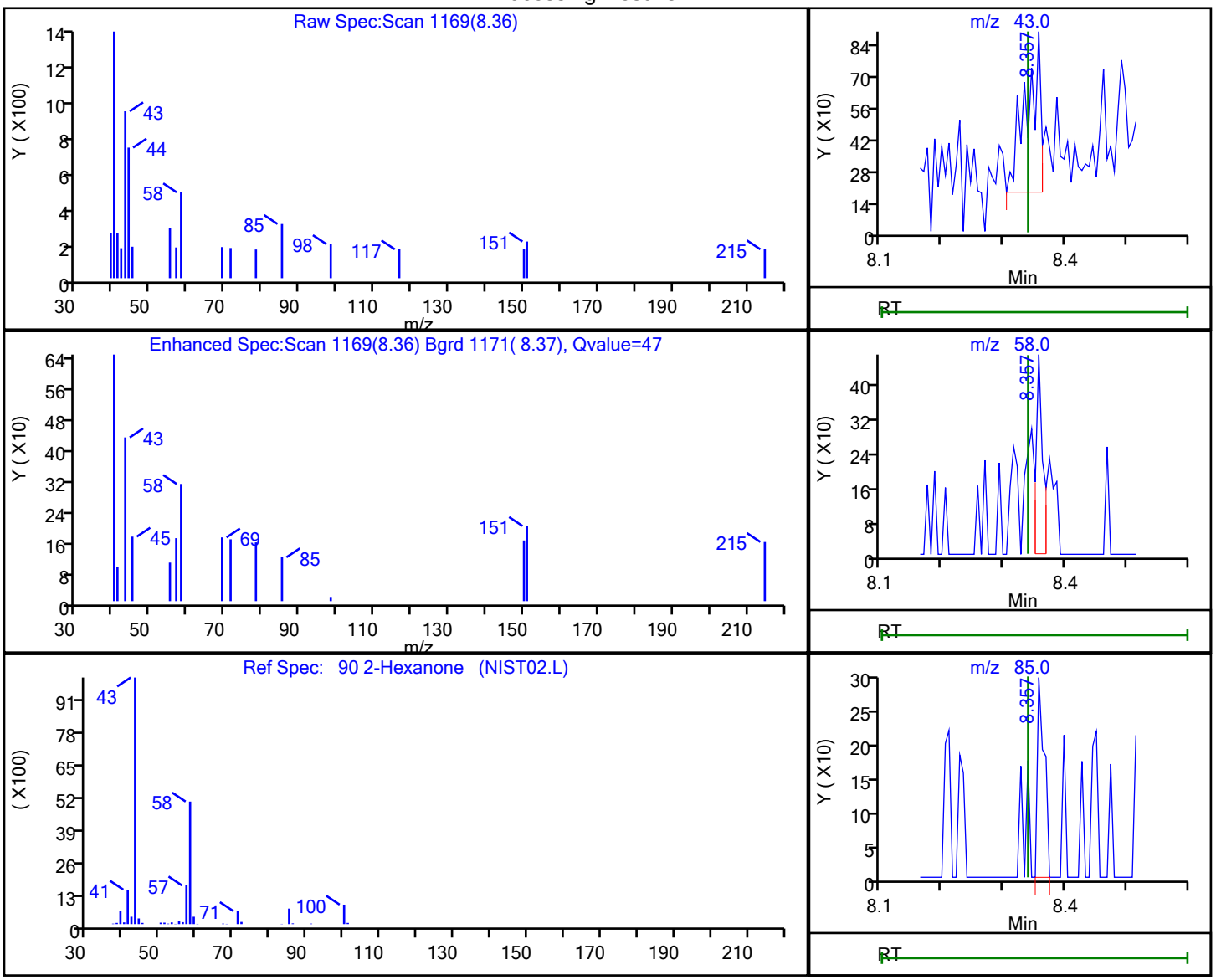
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

90 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
8.36	43.00	1158	
8.36	58.00	352	0.726660
8.36	85.00	231	
8.35	100.00	71	

Reviewer: NN6A, 02-Mar-2025 20:28:12 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 03-Mar-2025 16:54:09 Chrom Revision: 2.3 18-Feb-2025 08:41:40

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D

Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1

Lims ID: STD8

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 40

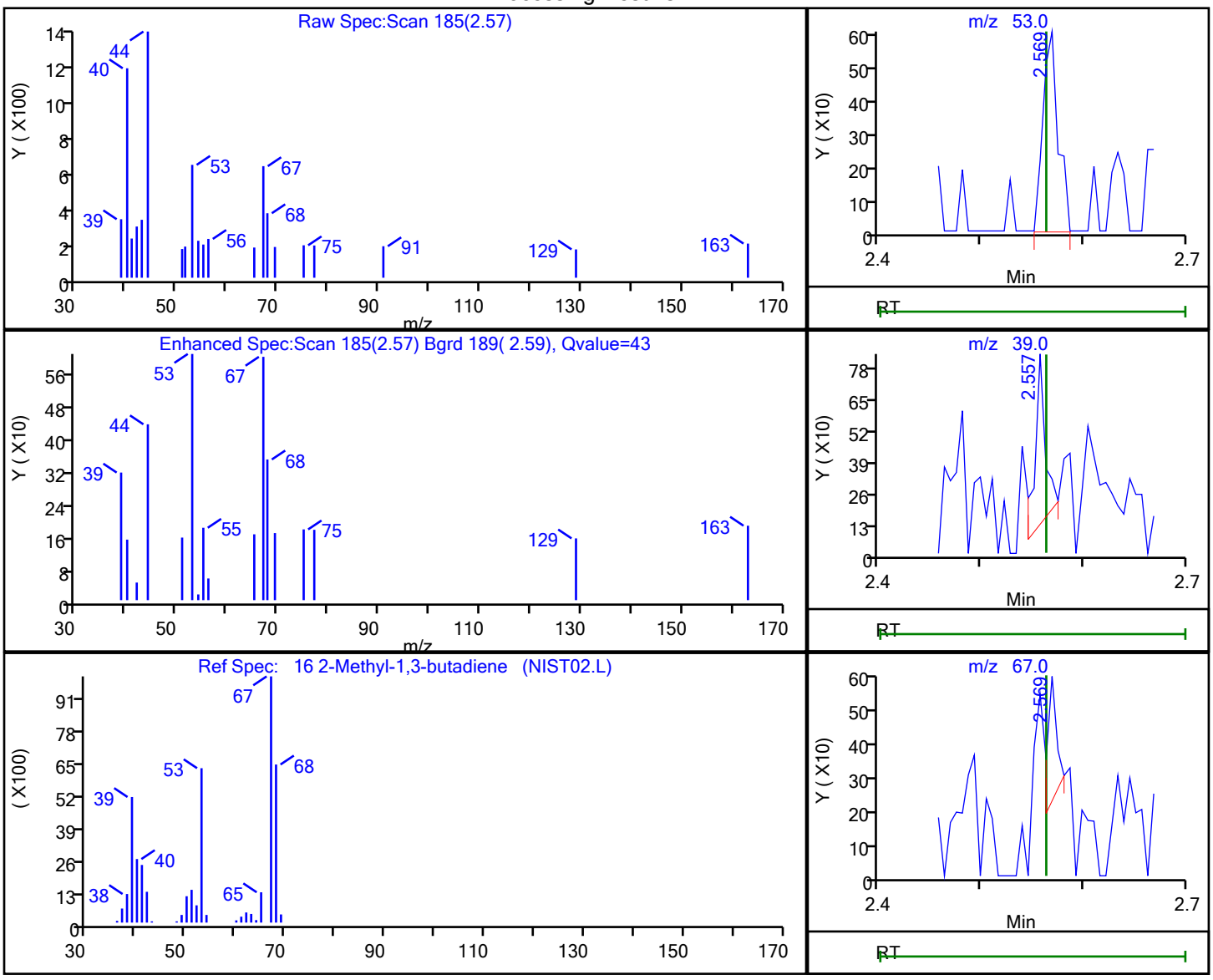
Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
2.57	53.00	626	0.277908
2.56	39.00	487	
2.57	67.00	228	

Reviewer: NN6A, 02-Mar-2025 20:26:48 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

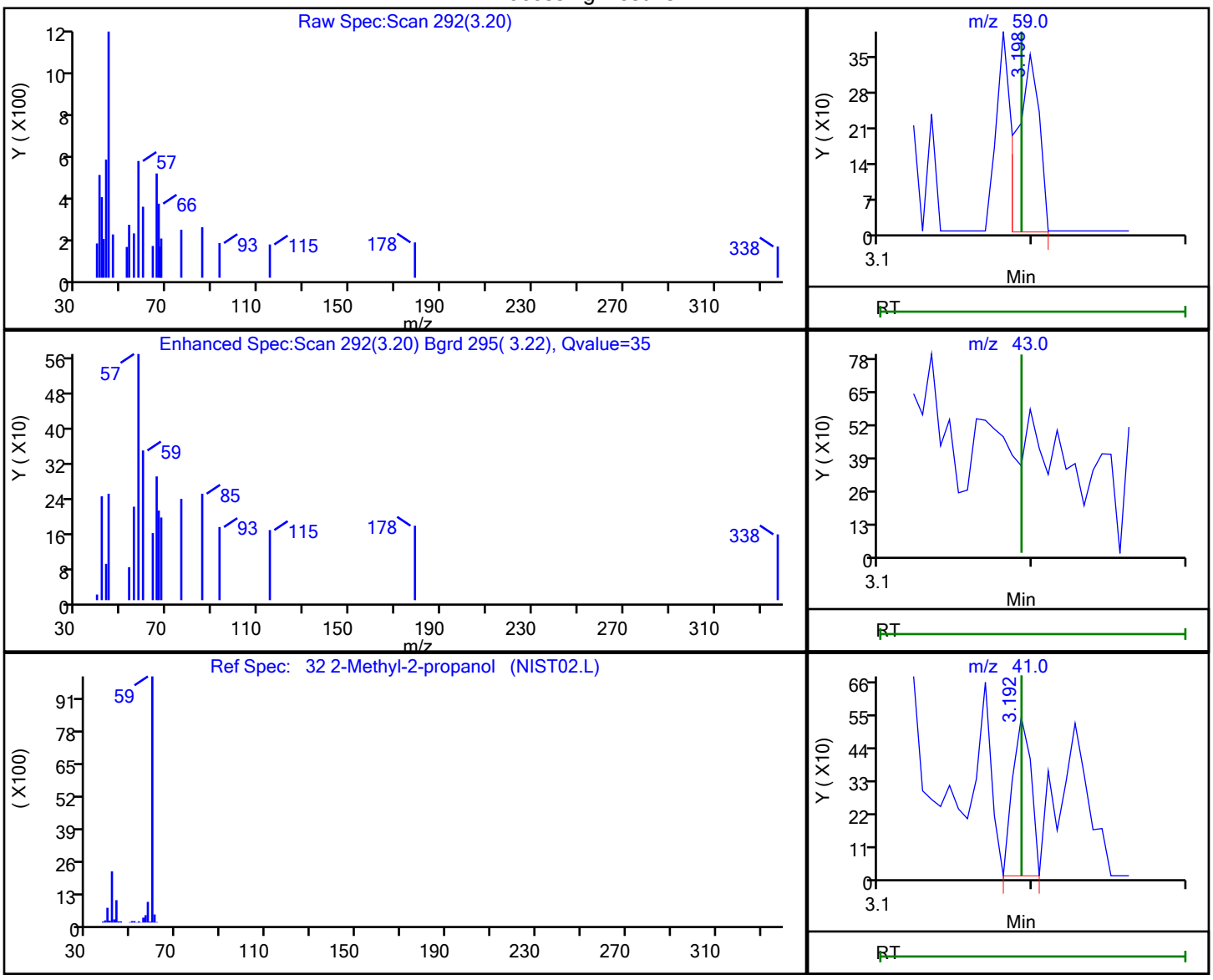
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.20	59.00	345	2.227612
3.19	41.00	441	
3.19	43.00	0	

Reviewer: NN6A, 02-Mar-2025 20:26:57 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

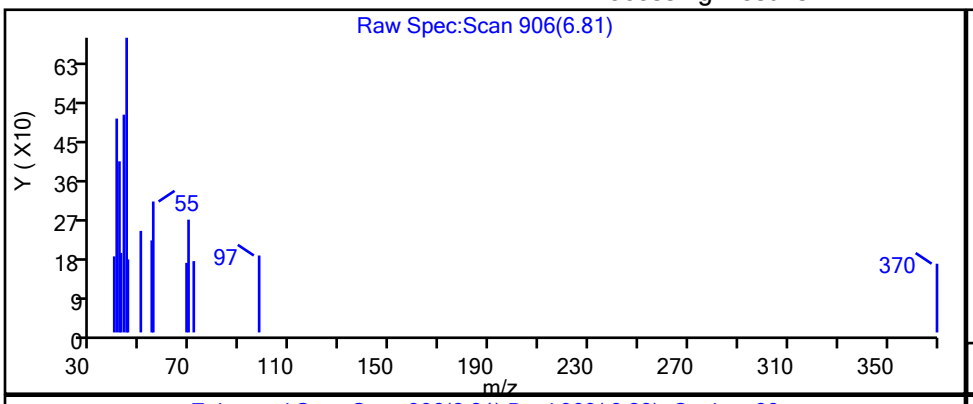
User Disabled Compound Report

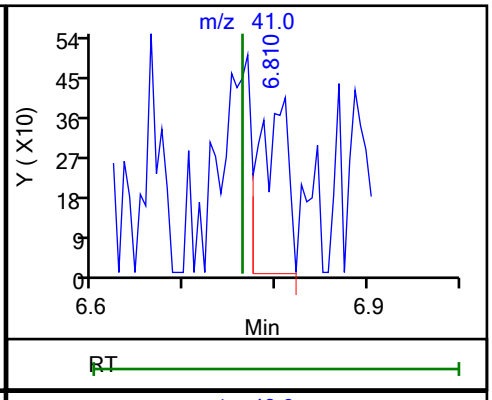
Eurofins Edison

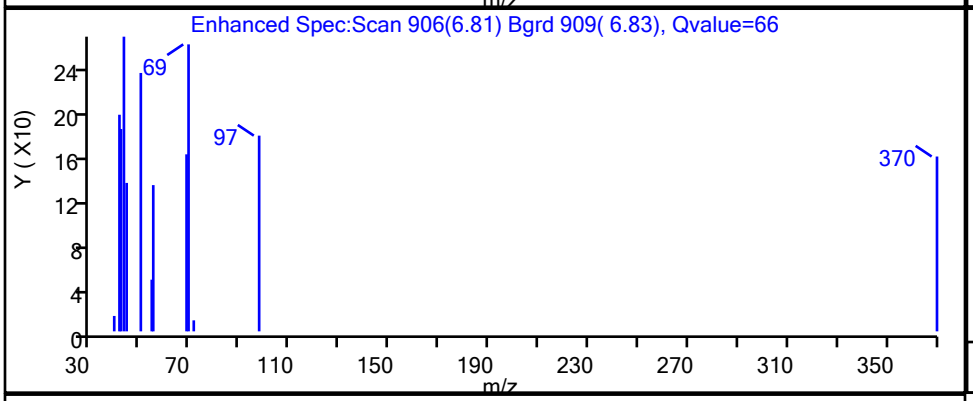
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

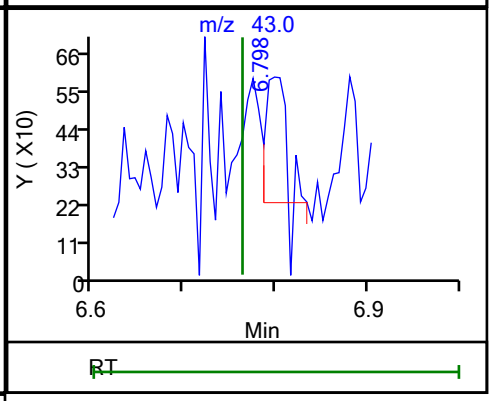
79 2-Nitropropane, CAS: 79-46-9

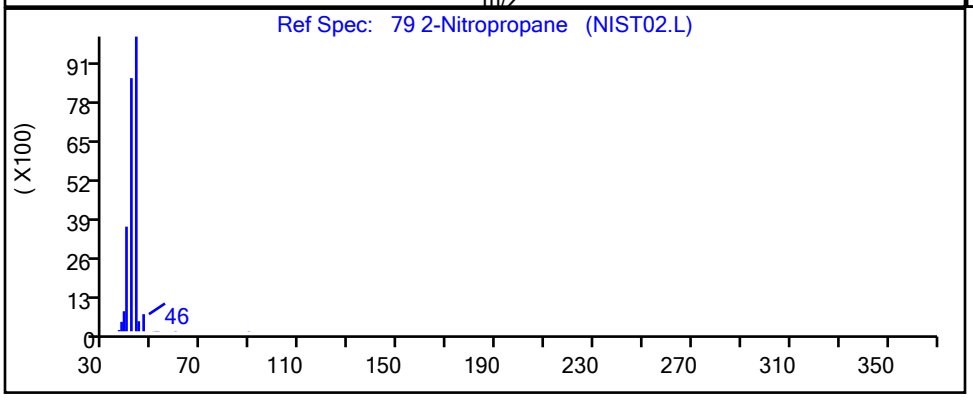
Processing Results











RT	Mass	Response	Amount
6.81	41.00	826	
6.80	43.00	528	

Reviewer: NN6A, 02-Mar-2025 20:27:50 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

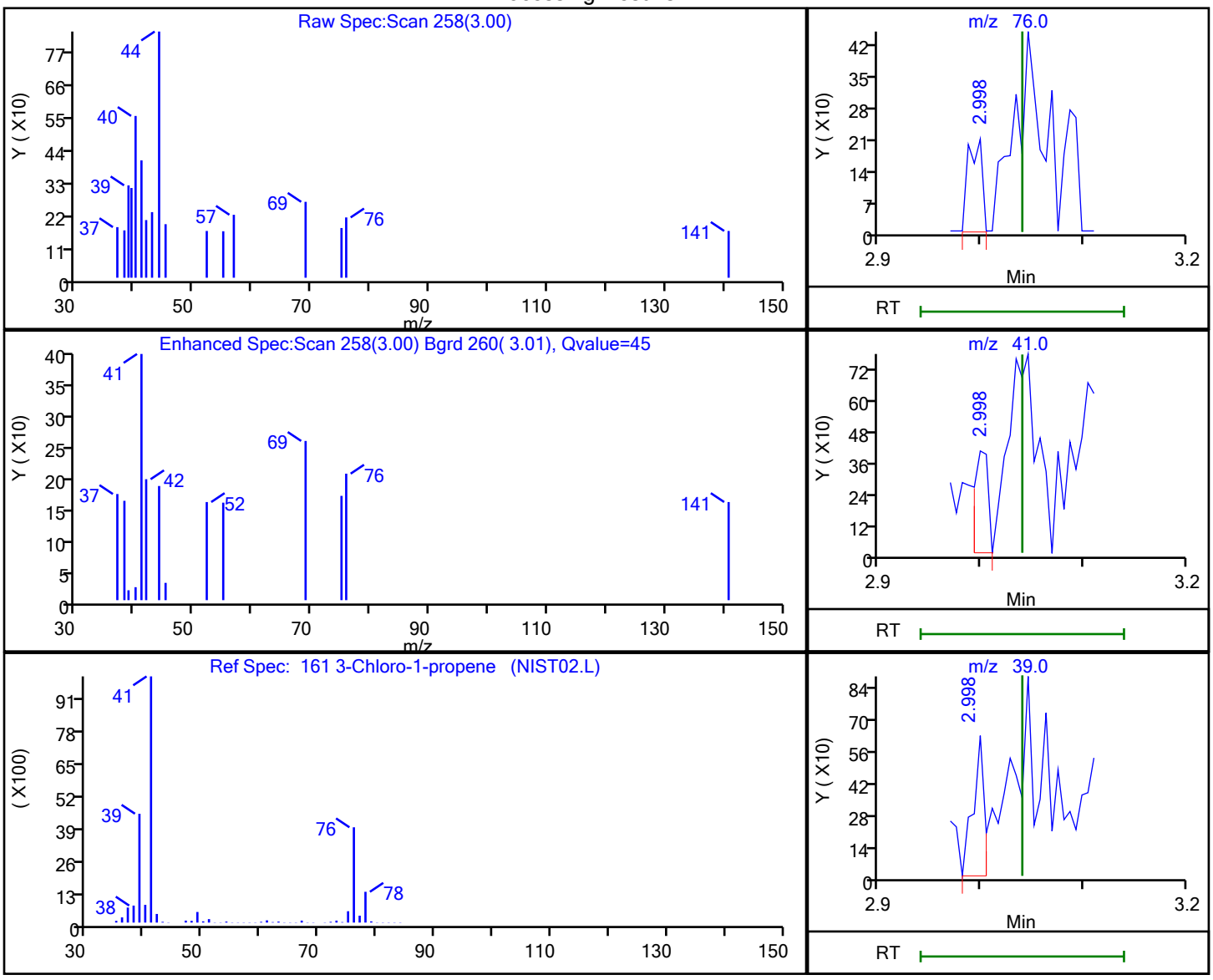
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

161 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.00	76.00	194	0.123559
3.00	41.00	368	
3.00	39.00	473	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

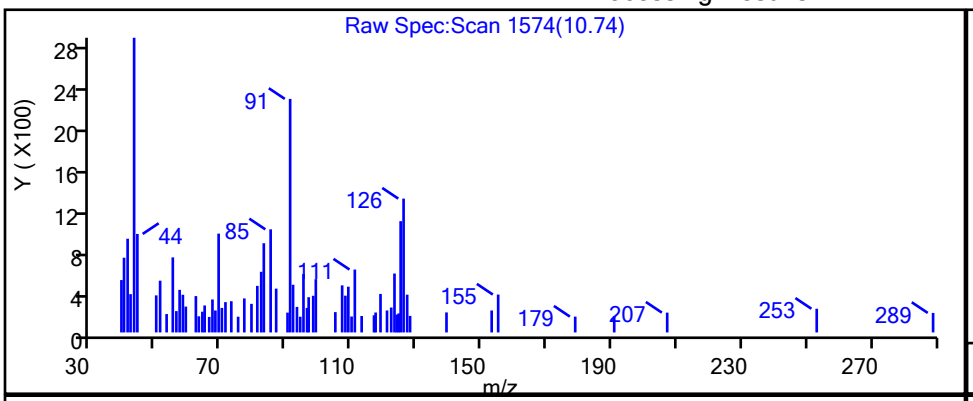
User Disabled Compound Report

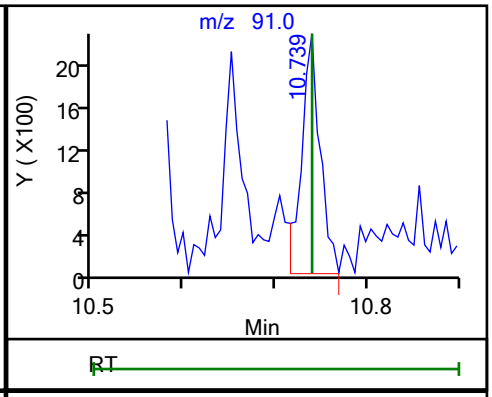
Eurofins Edison

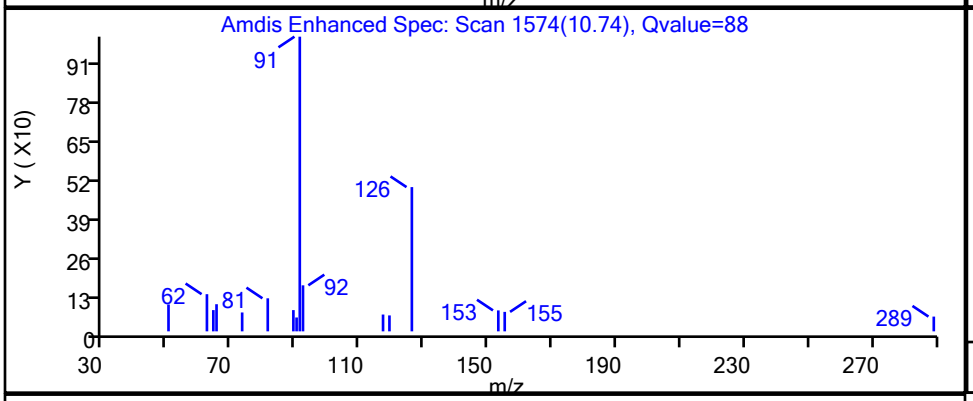
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

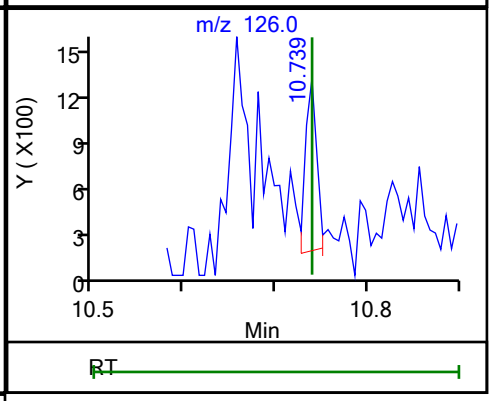
115 4-Chlorotoluene, CAS: 106-43-4

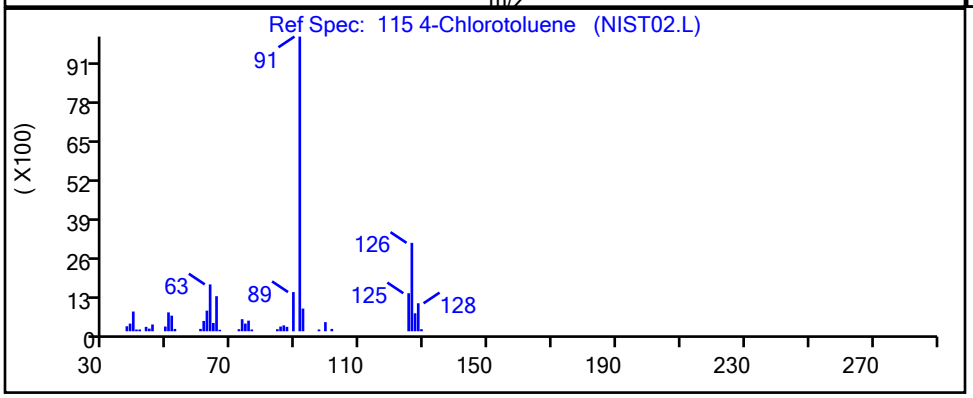
Processing Results











RT	Mass	Response	Amount
10.74	91.00	3211	0.010243
10.74	126.00	1002	

Reviewer: NN6A, 02-Mar-2025 20:28:47 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

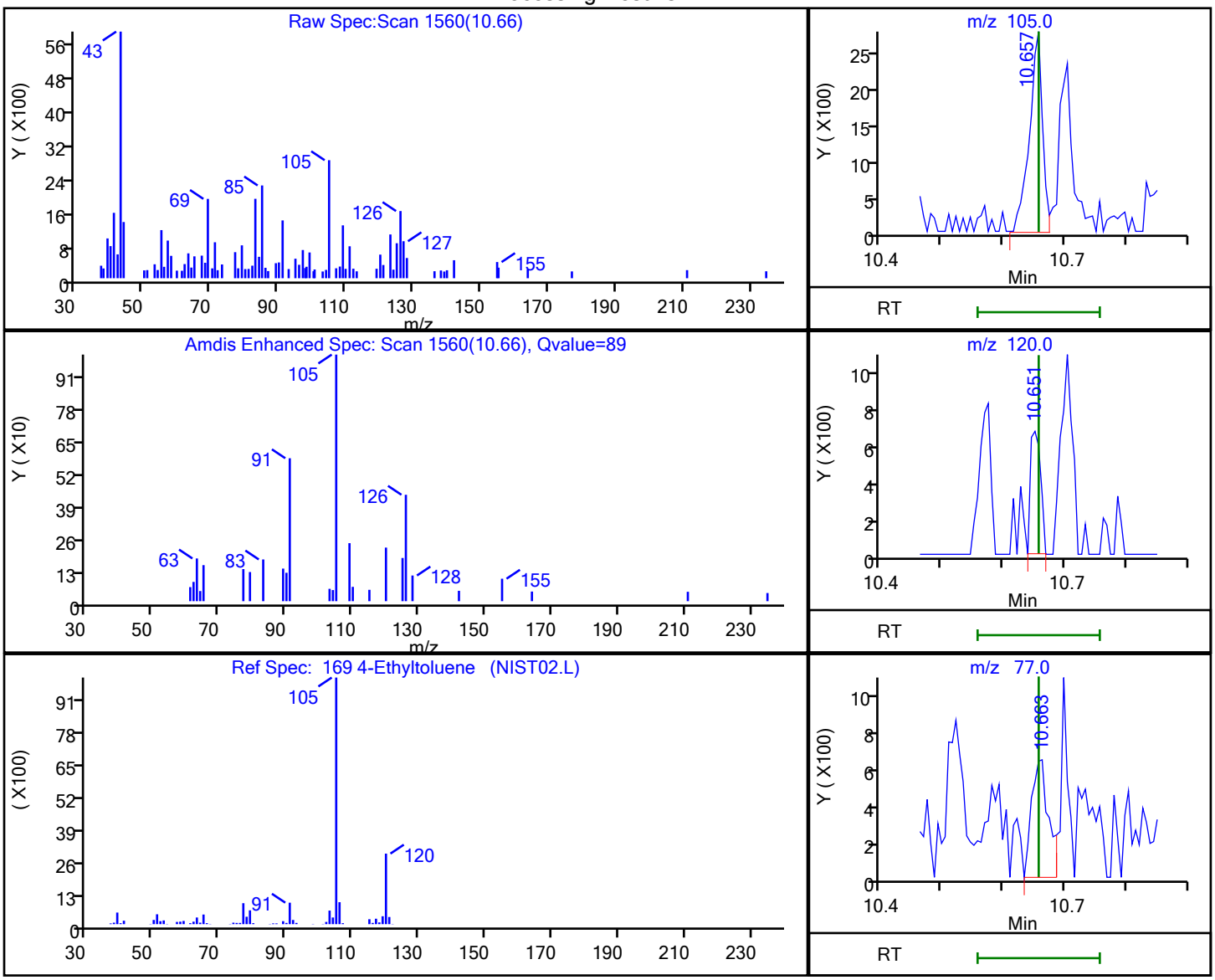
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

169 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
10.66	105.00	4155	
10.65	120.00	742	
10.66	77.00	1215	

Reviewer: NN6A, 02-Mar-2025 20:28:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

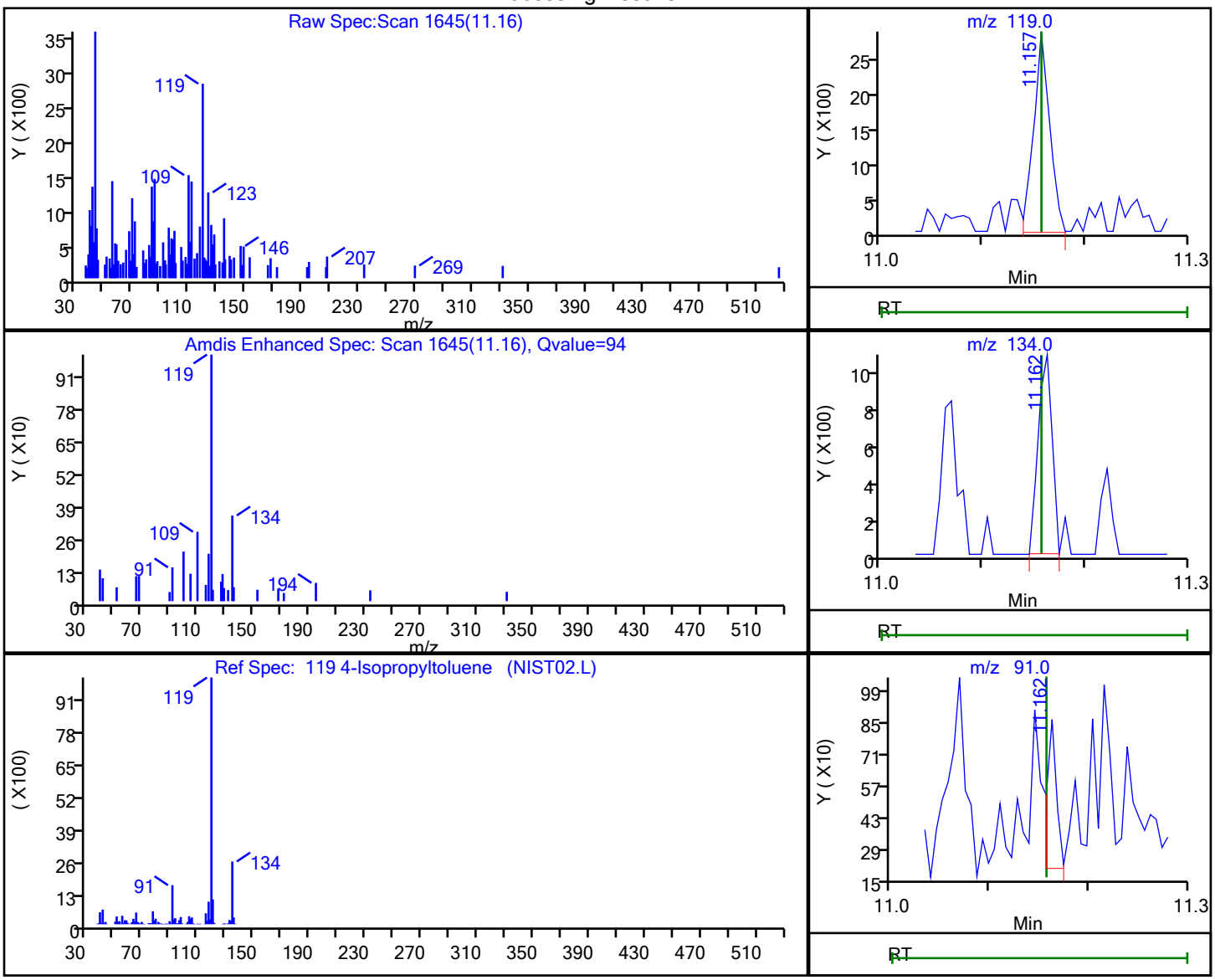
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.16	119.00	3059	0.006504
11.16	134.00	996	
11.16	91.00	438	

Reviewer: NN6A, 02-Mar-2025 20:28:50 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

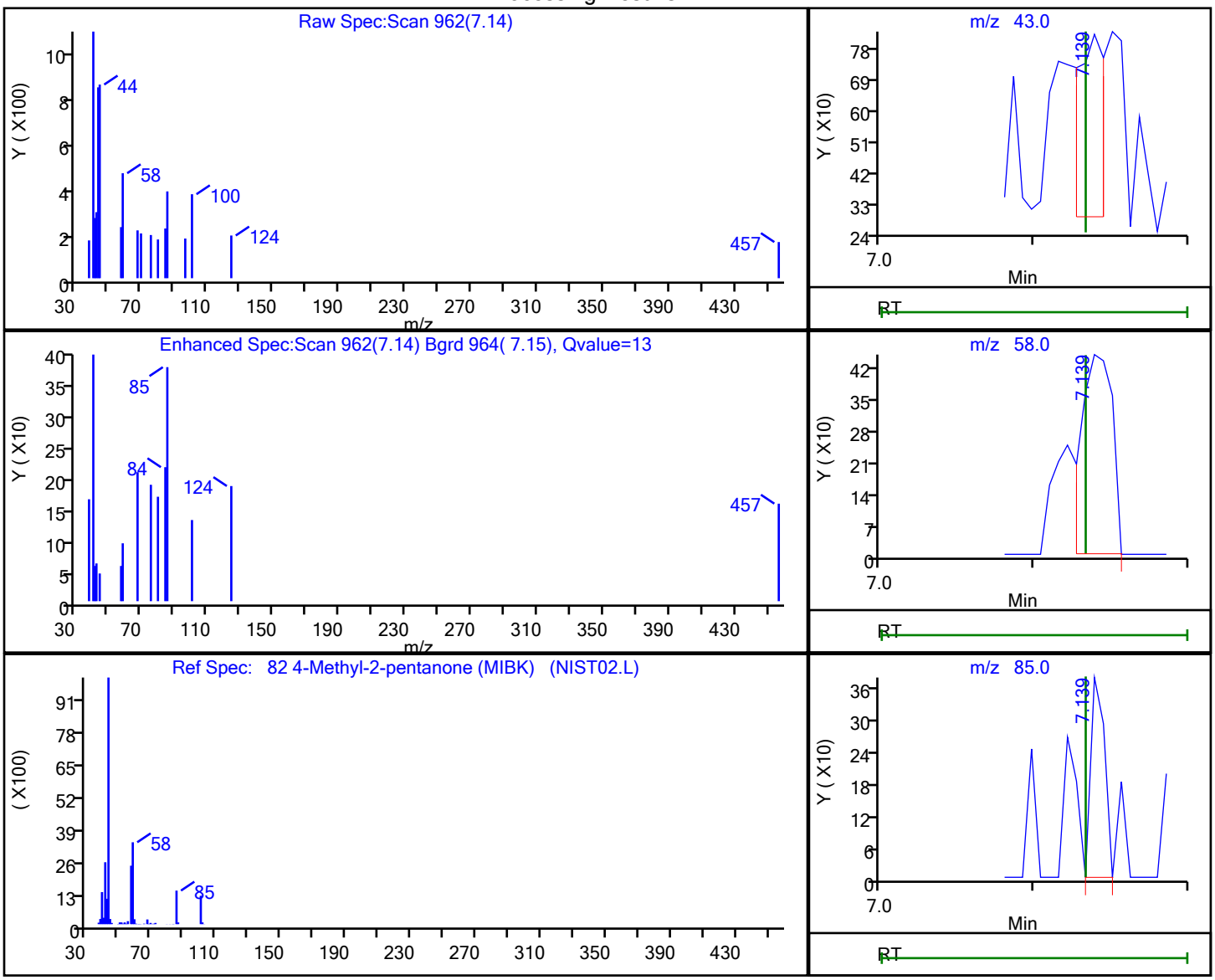
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.14	43.00	663	0.706551
7.14	58.00	640	
7.14	85.00	232	
7.14	100.00	127	

Reviewer: NN6A, 02-Mar-2025 20:27:54 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

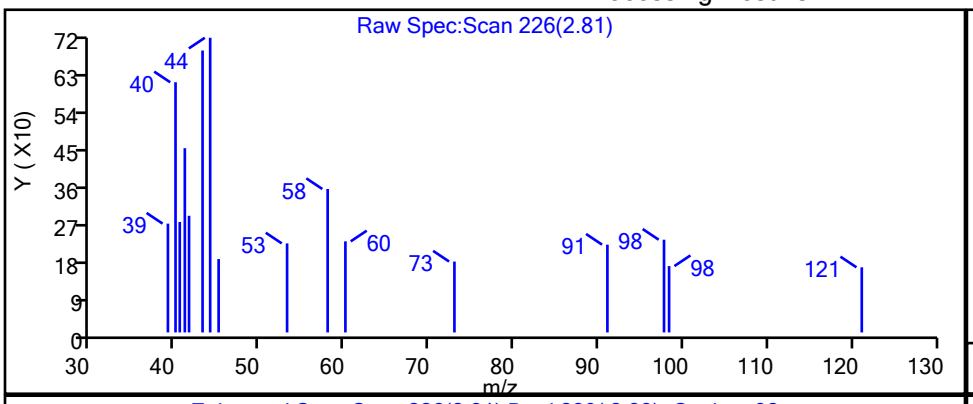
User Disabled Compound Report

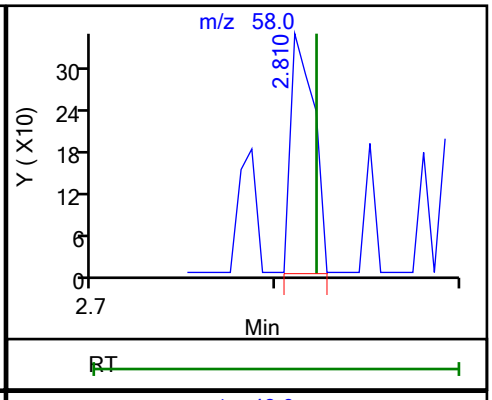
Eurofins Edison

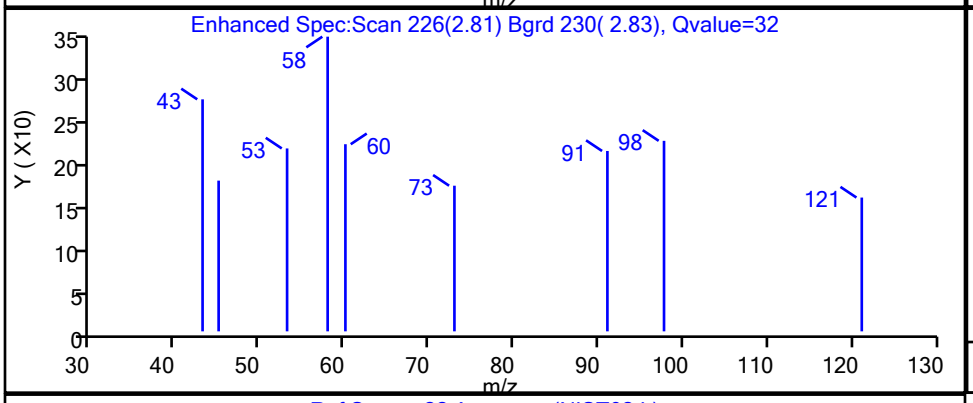
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

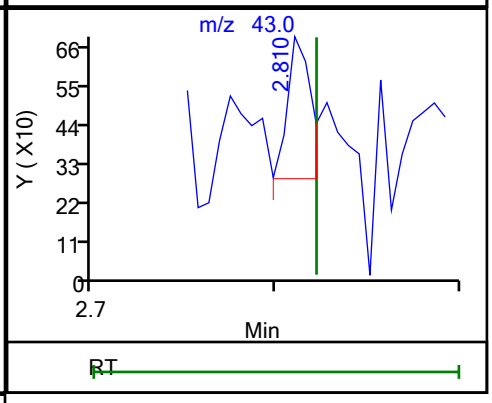
22 Acetone, CAS: 67-64-1

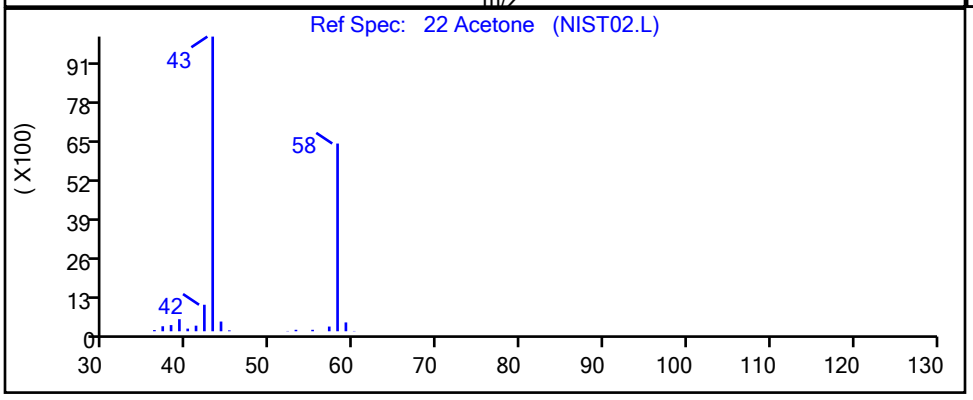
Processing Results











RT	Mass	Response	Amount
2.81	58.00	308	1.025350
2.81	43.00	358	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

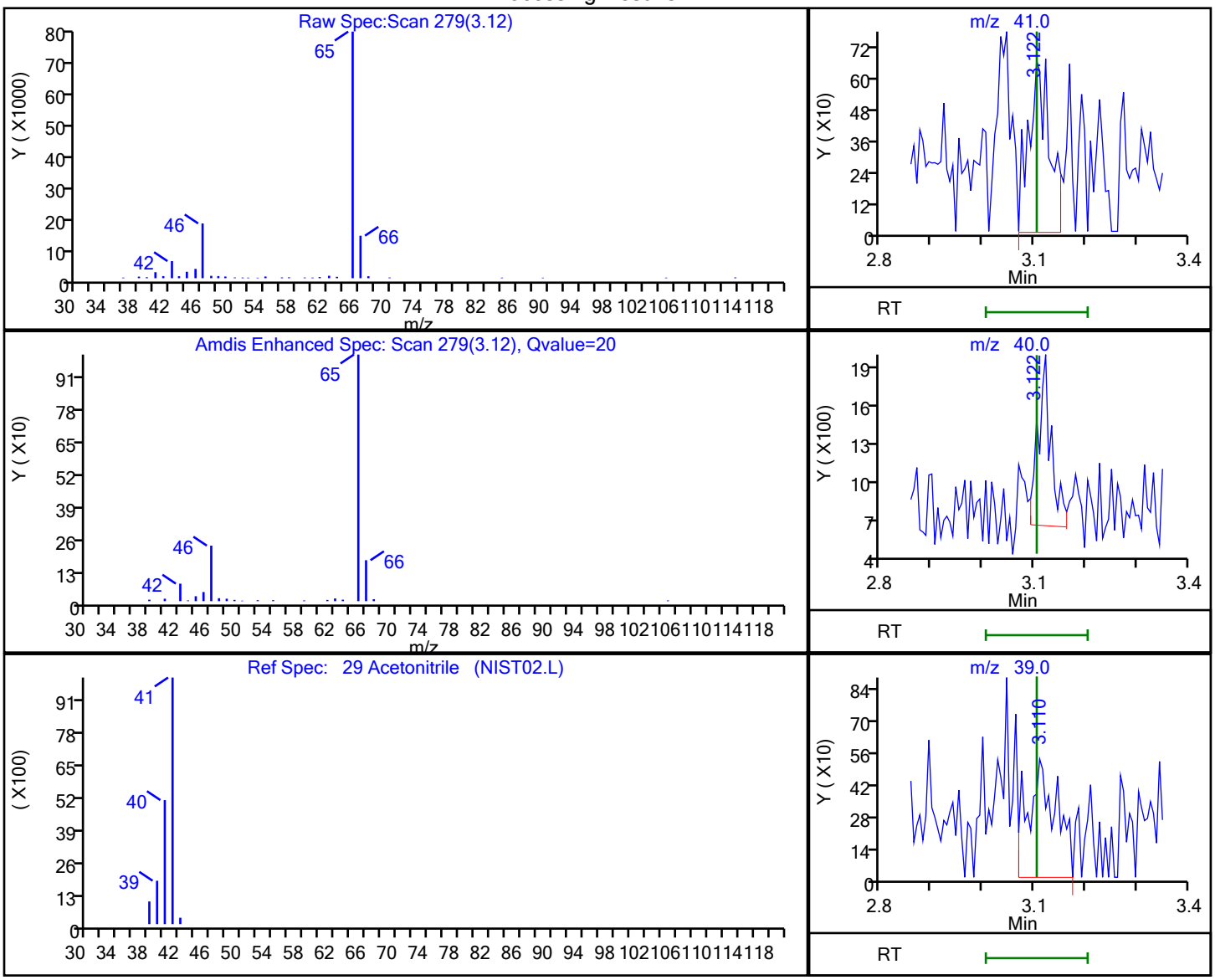
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
3.12	41.00	1907	1.954530
3.12	40.00	2273	
3.11	39.00	1999	
3.13	38.00	1203	

Reviewer: NN6A, 02-Mar-2025 20:26:57 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

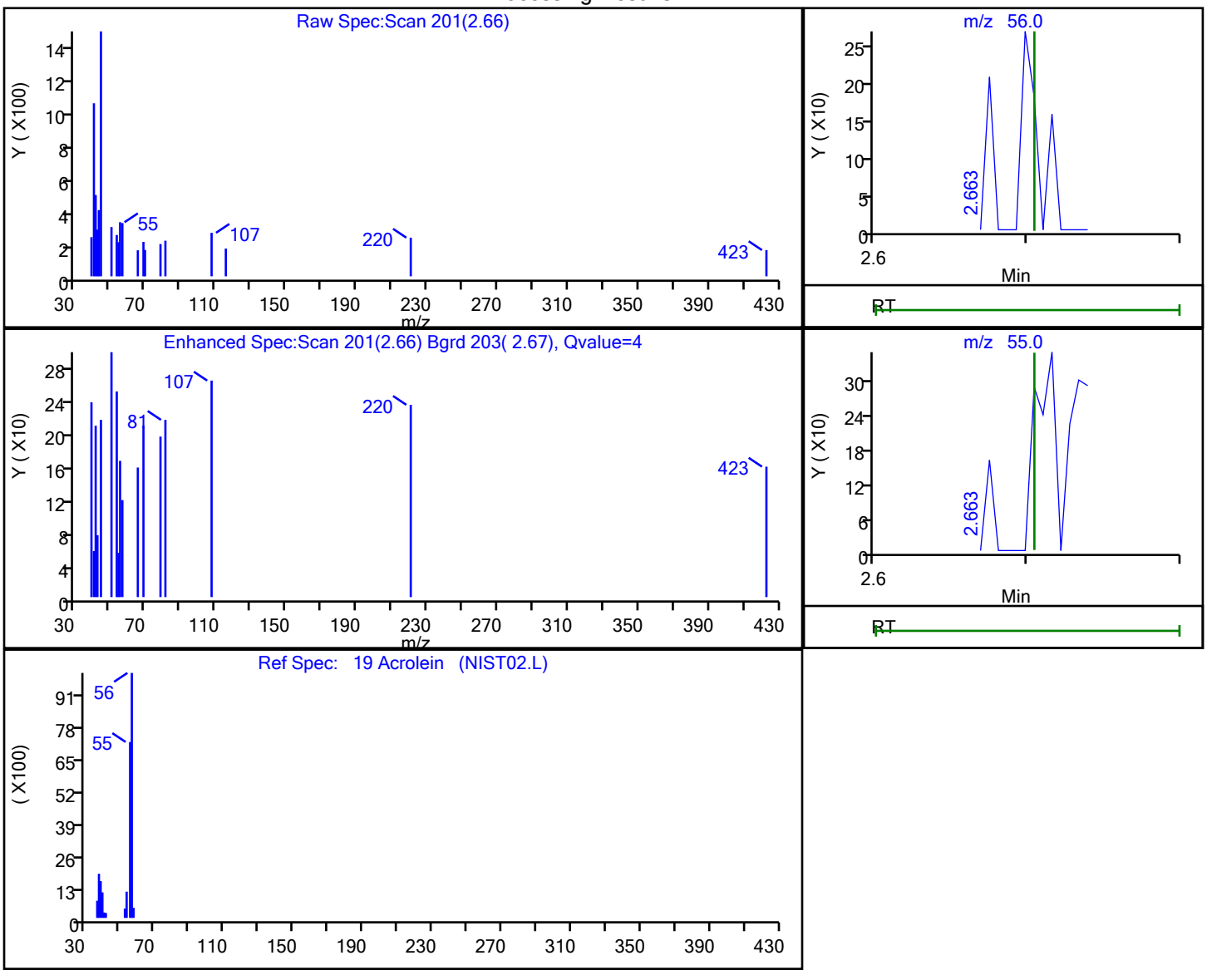
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
2.66	56.00	112	0.381601
2.66	55.00	234	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

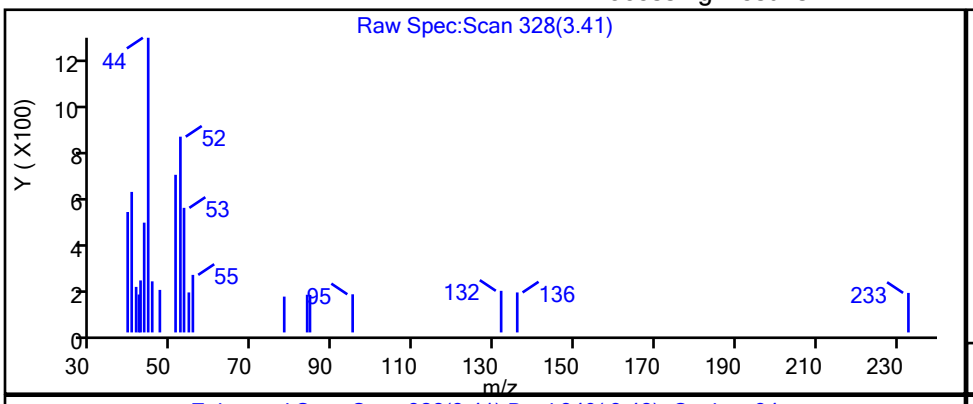
User Disabled Compound Report

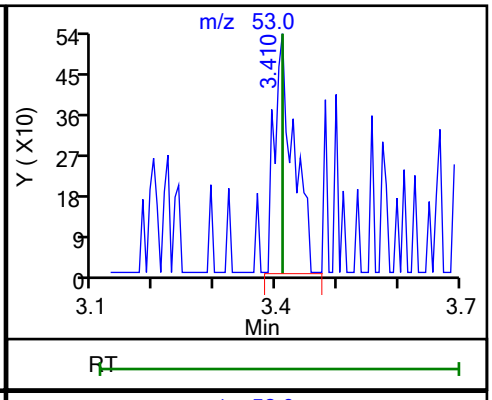
Eurofins Edison

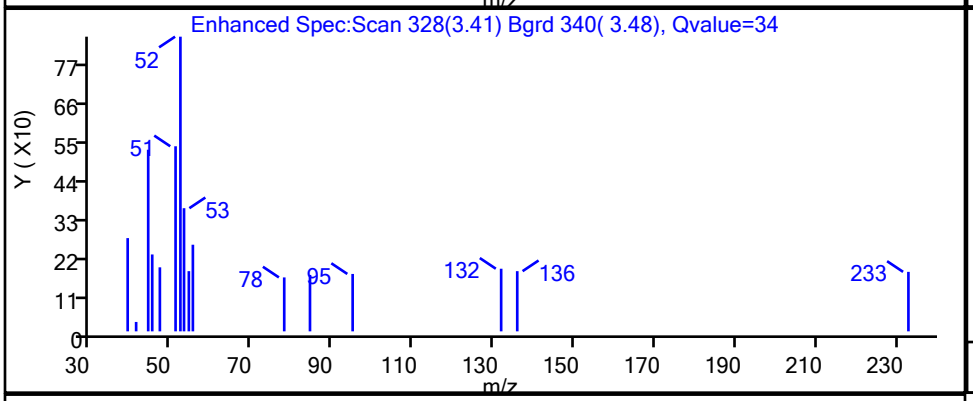
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

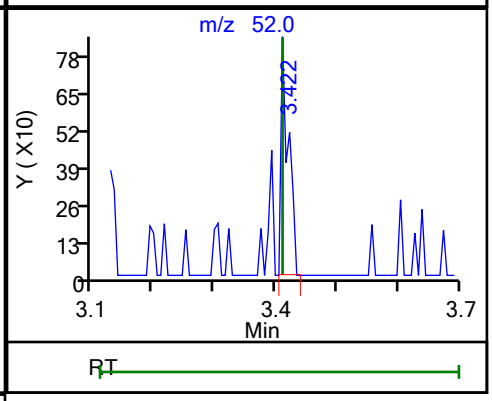
35 Acrylonitrile, CAS: 107-13-1

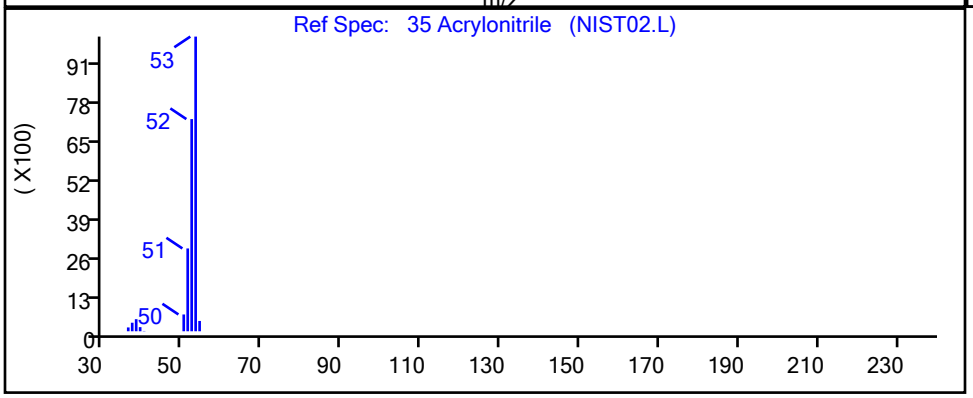
Processing Results











RT	Mass	Response	Amount
3.41	53.00	1169	1.860367
3.42	52.00	721	

Reviewer: NN6A, 02-Mar-2025 20:26:57 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

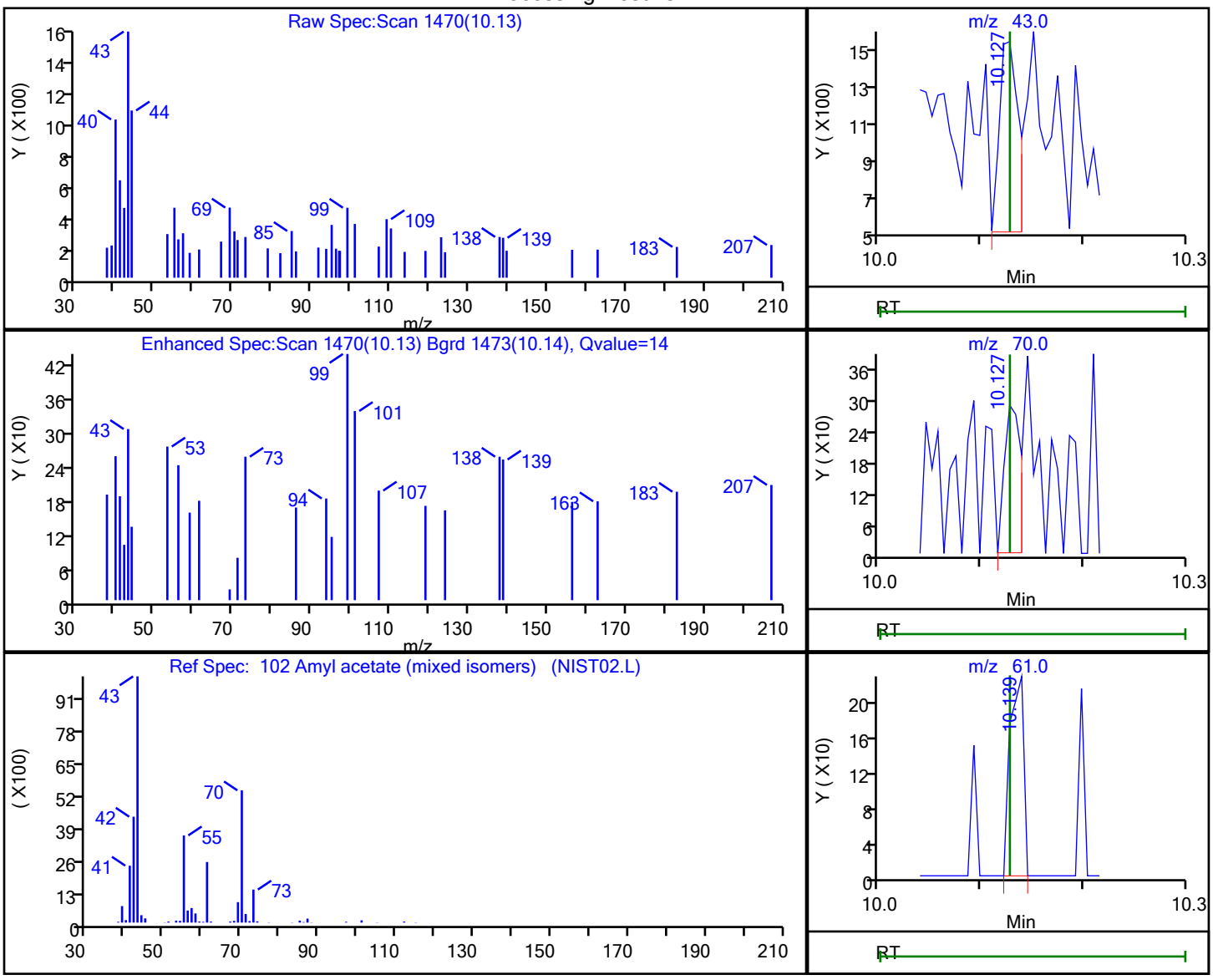
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

102 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
10.13	43.00	1304	0.014373
10.13	70.00	324	
10.14	61.00	214	

Reviewer: NN6A, 02-Mar-2025 20:28:29 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

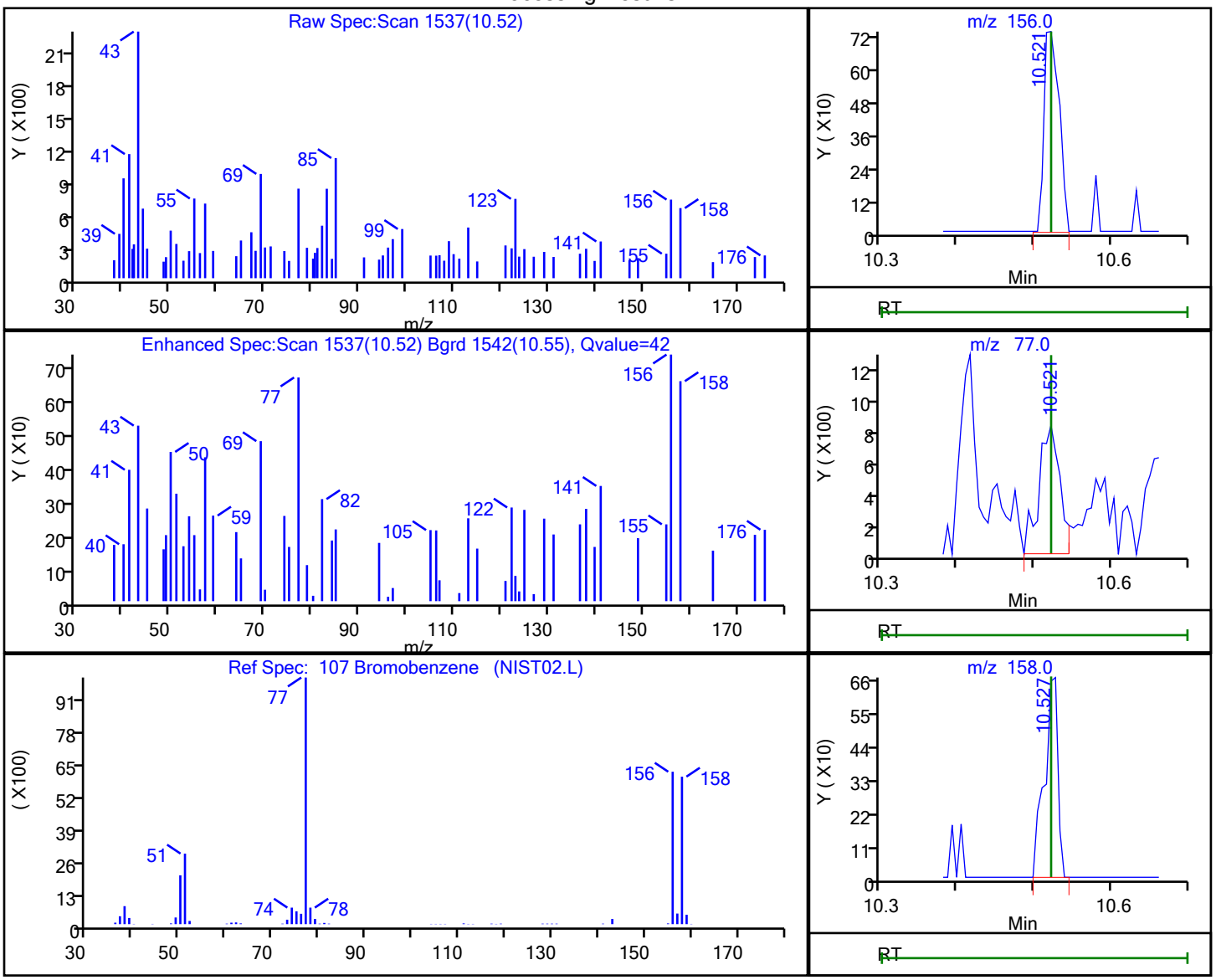
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

107 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
10.52	156.00	1012	0.008187
10.52	77.00	1597	
10.53	158.00	811	

Reviewer: NN6A, 02-Mar-2025 20:28:32 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

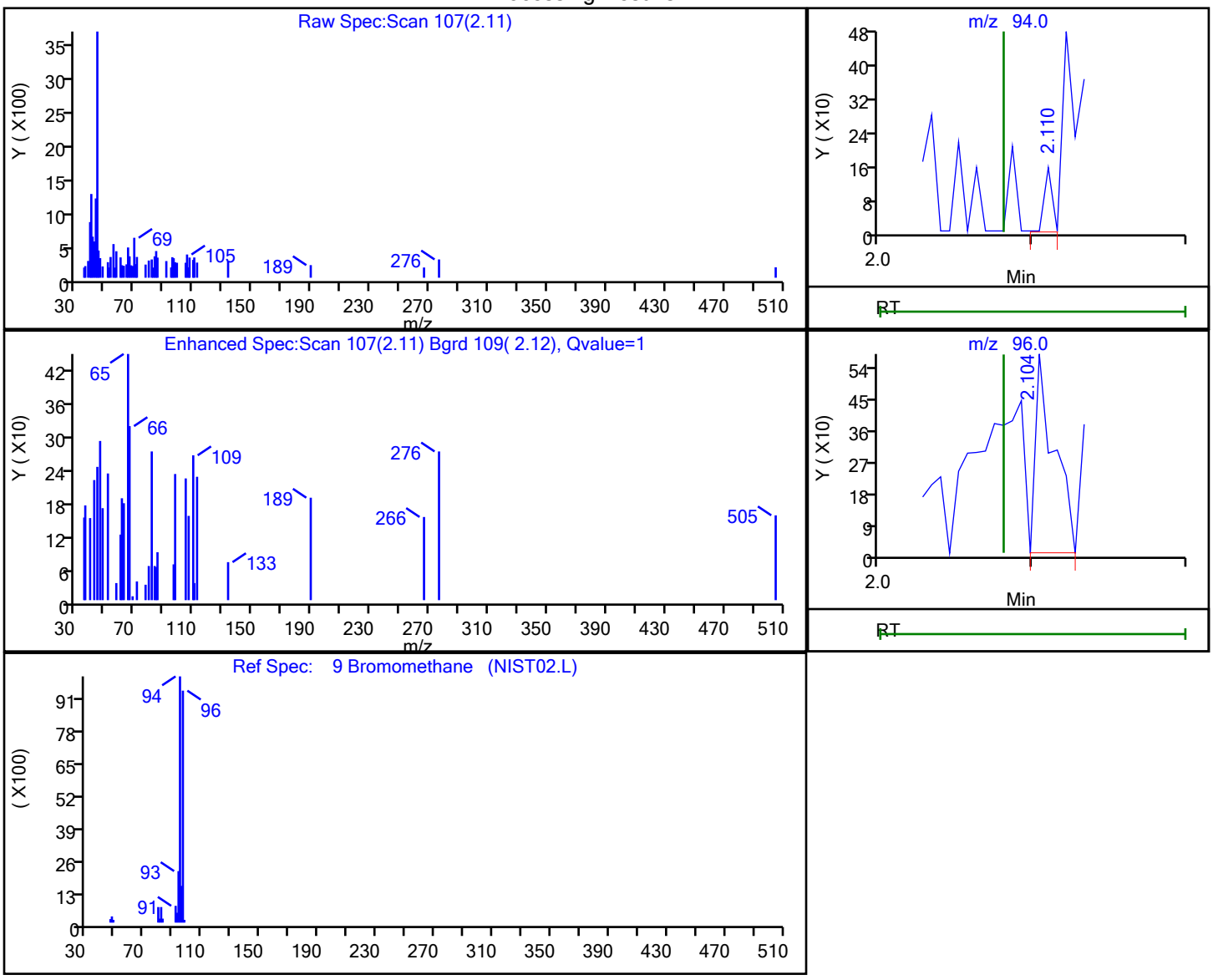
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.11	94.00	54	0.017382
2.10	96.00	487	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

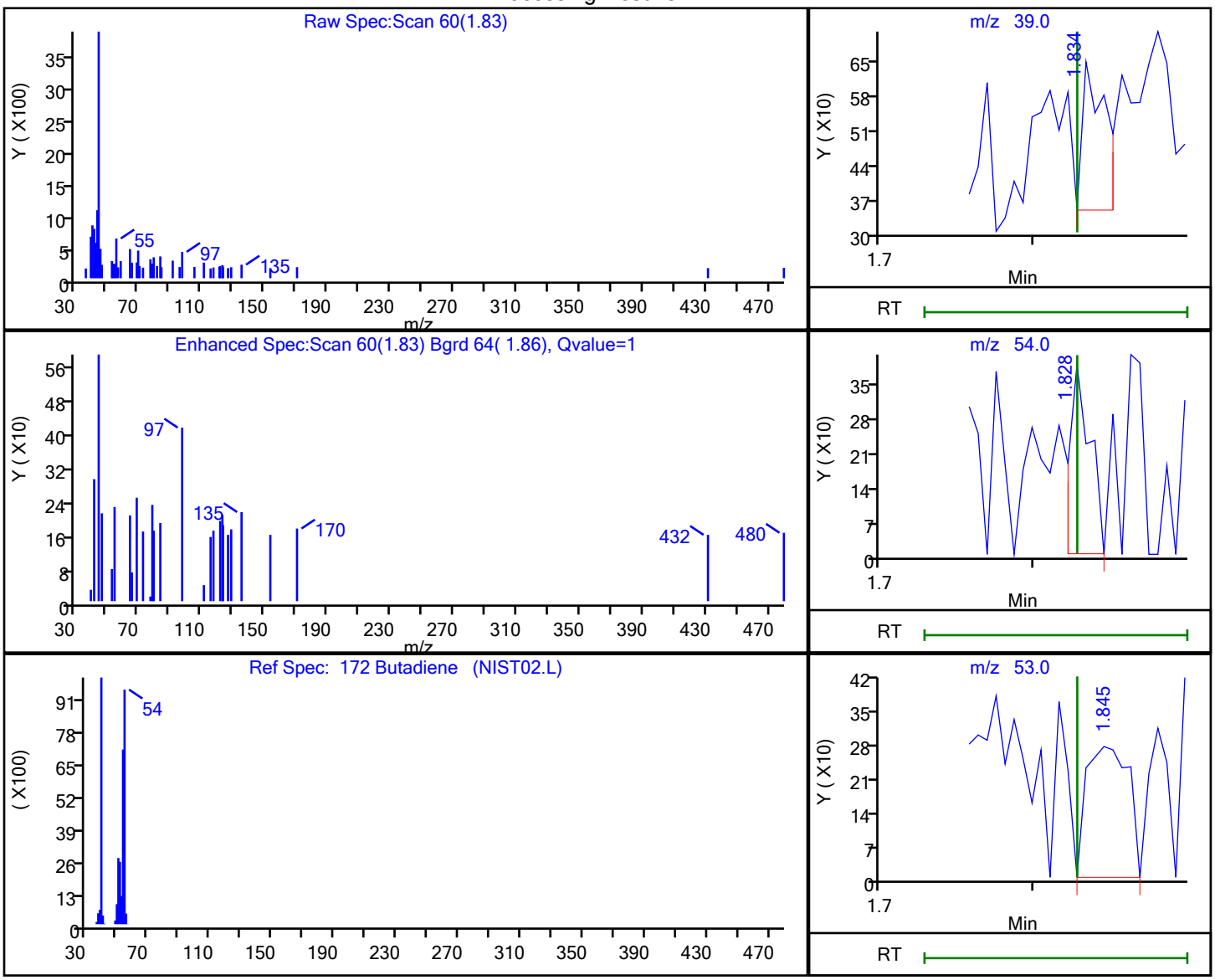
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

172 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
1.83	39.00	308	0.108986
1.83	54.00	360	
1.85	53.00	518	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

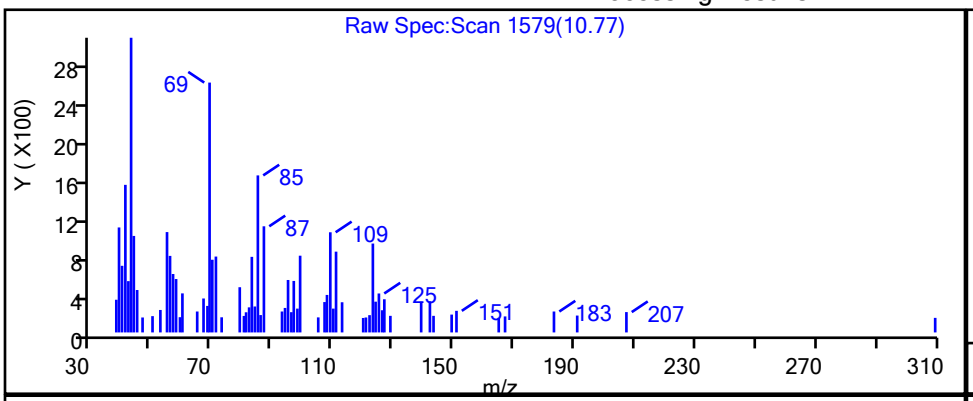
User Disabled Compound Report

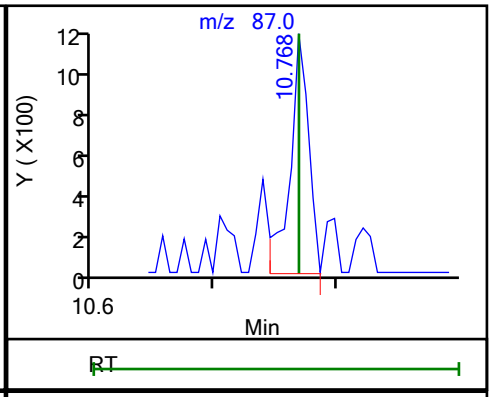
Eurofins Edison

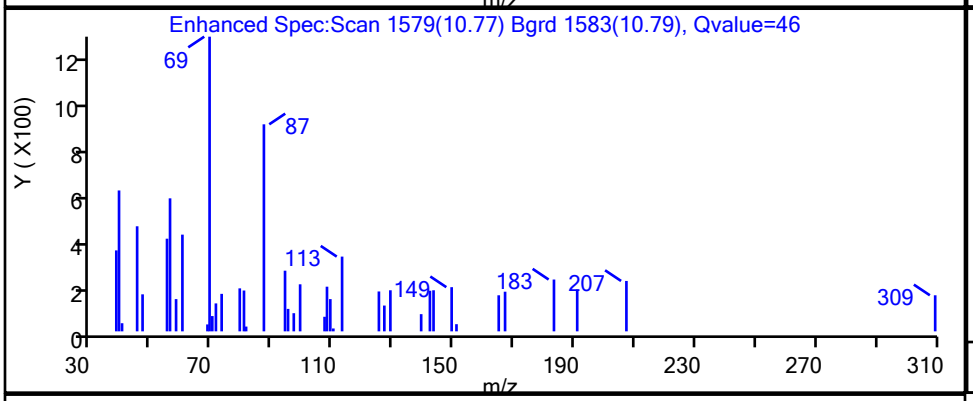
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

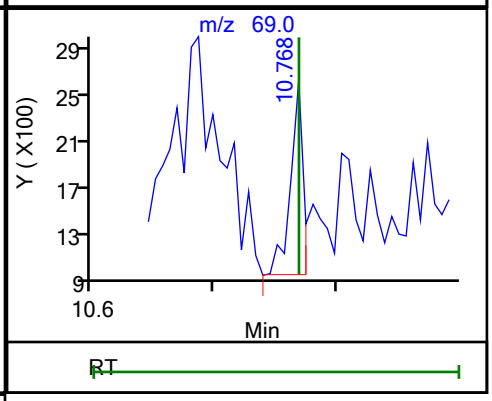
114 Butyl Methacrylate, CAS: 97-88-1

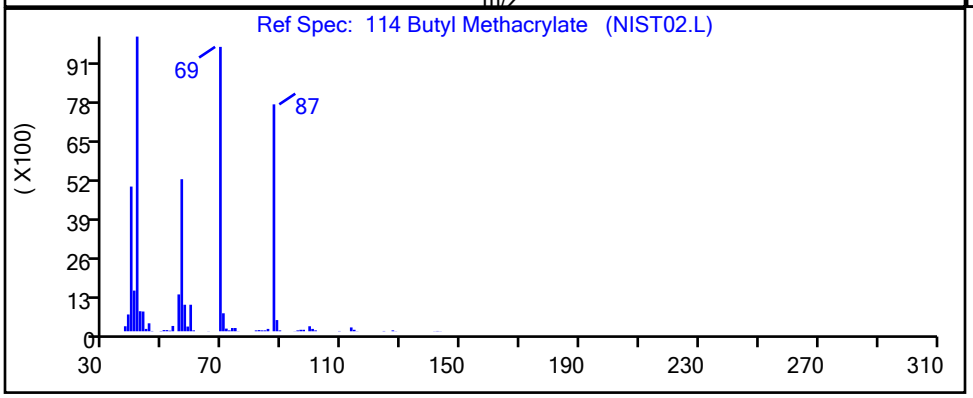
Processing Results











RT	Mass	Response	Amount
10.77	87.00	1163	0.009591
10.77	69.00	1186	

Reviewer: NN6A, 02-Mar-2025 20:28:47 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

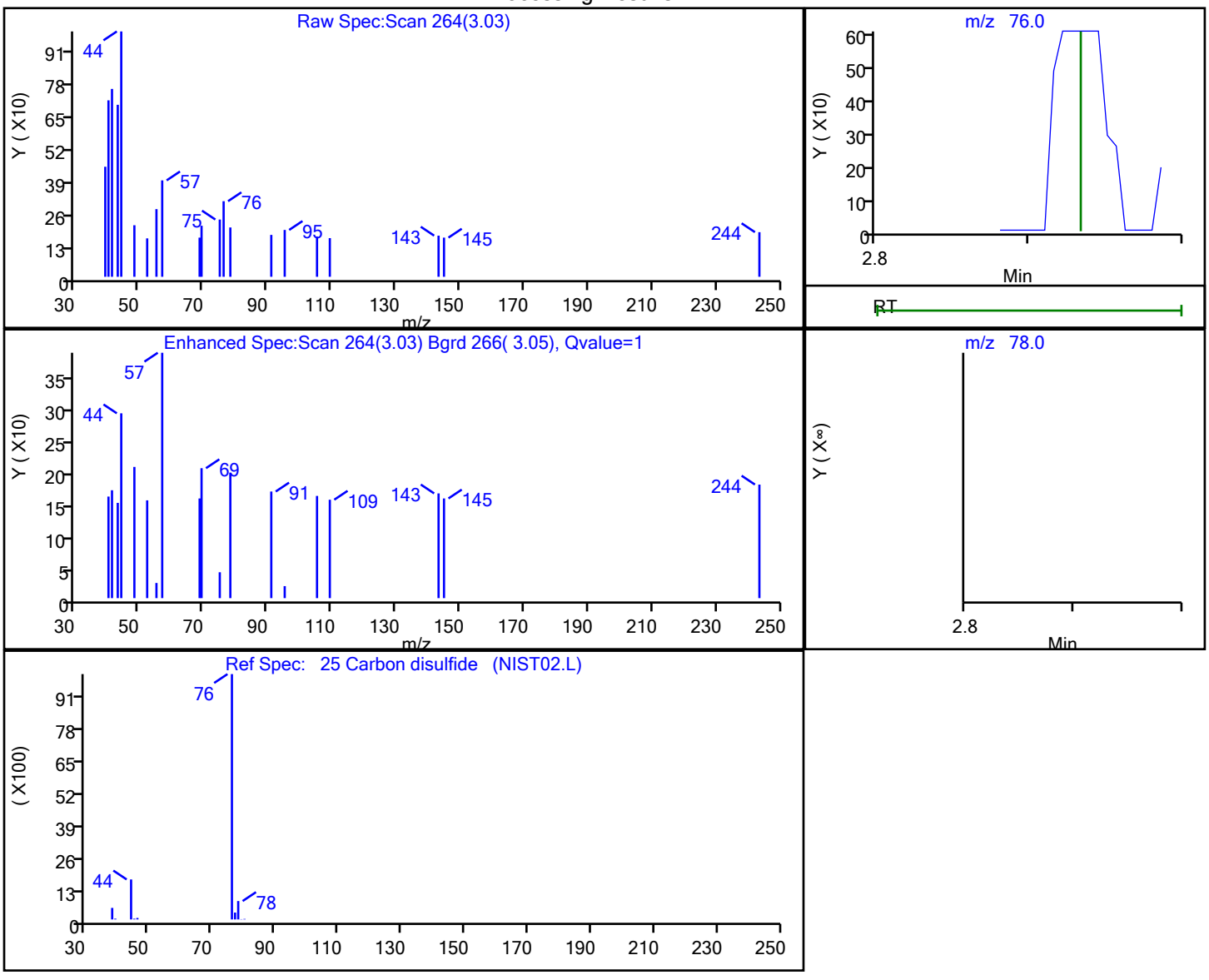
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.03	76.00	52	0.194502
3.04	78.00	297	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 03-Mar-2025 16:54:10 Chrom Revision: 2.3 18-Feb-2025 08:41:40

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D

Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1

Lims ID: STD8

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 40

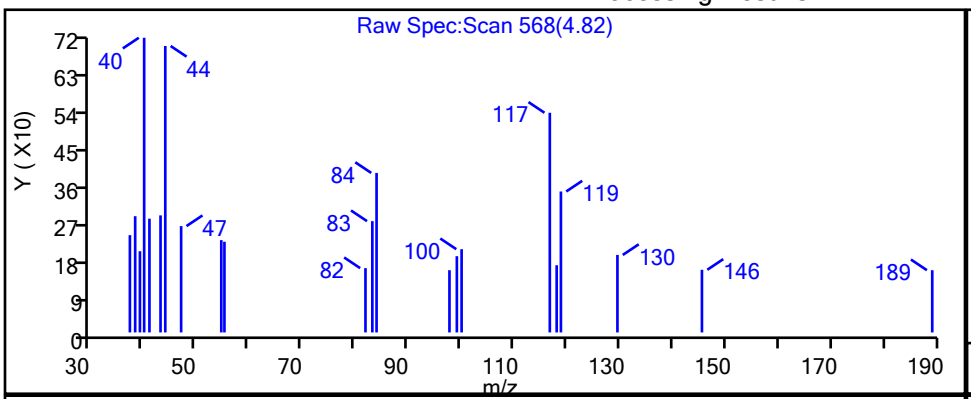
Purge Vol: 5.000 mL Dil. Factor: 1.0000

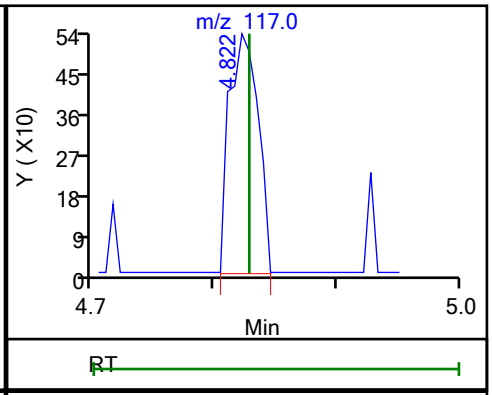
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

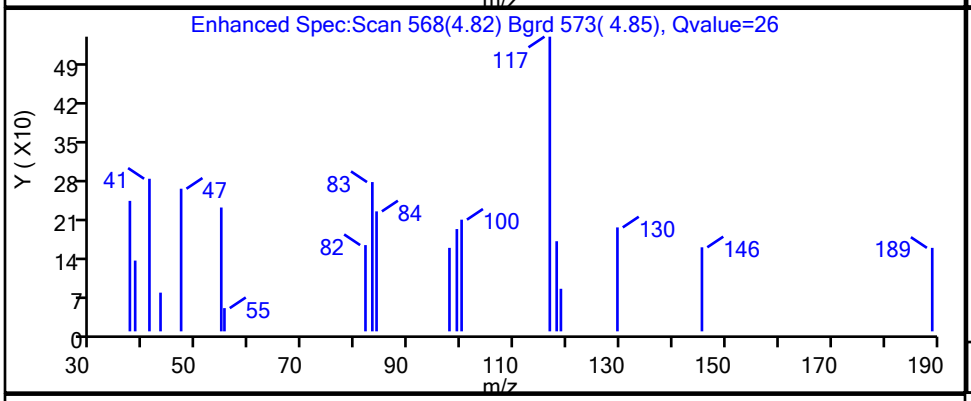
Column: Rtx-624 (0.25 mm) Detector MS SCAN

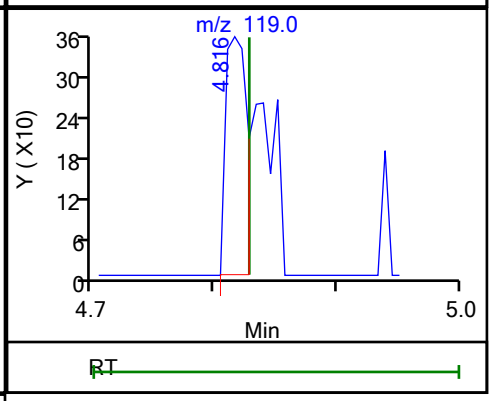
56 Carbon tetrachloride, CAS: 56-23-5

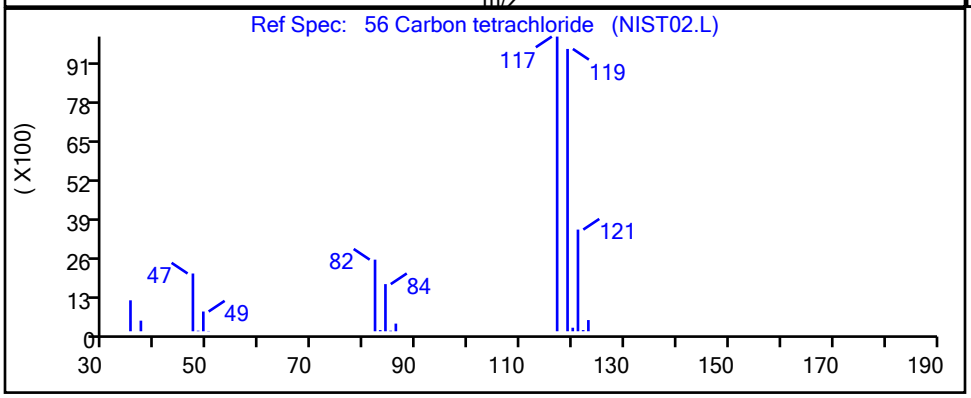
Processing Results











RT	Mass	Response	Amount
4.82	117.00	878	0.201785
4.82	119.00	441	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

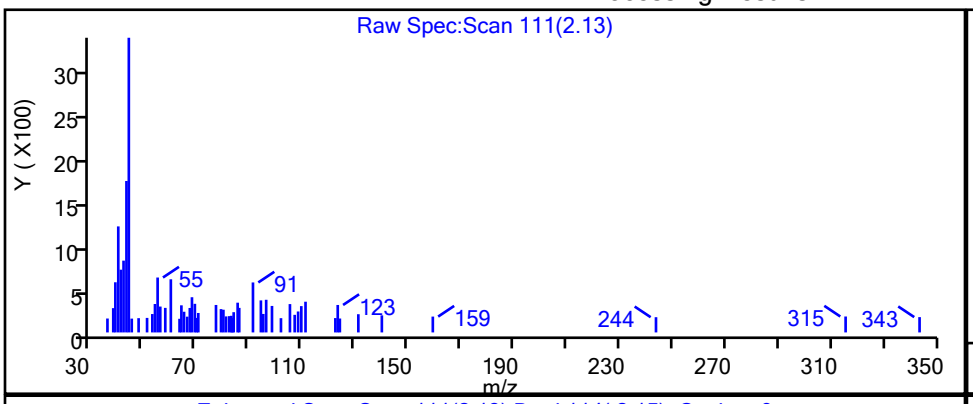
User Disabled Compound Report

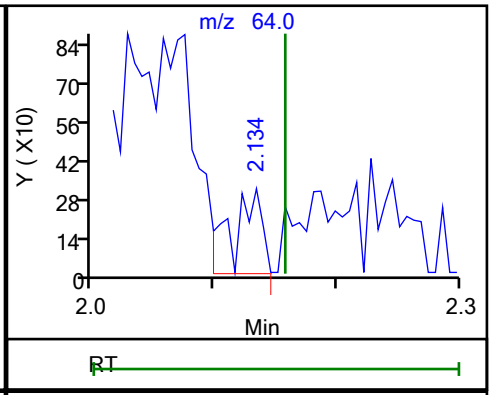
Eurofins Edison

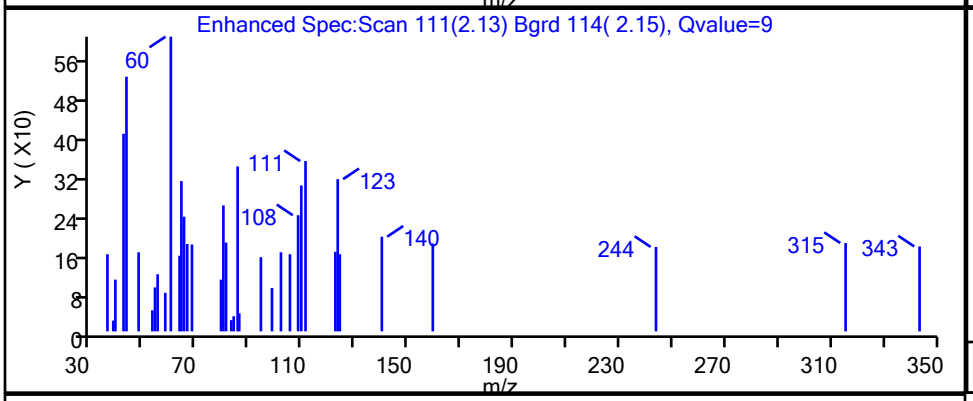
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

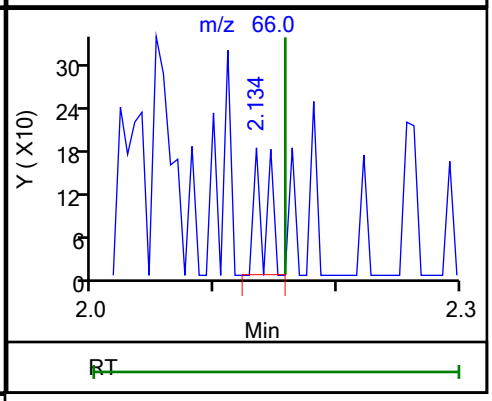
10 Chloroethane, CAS: 75-00-3

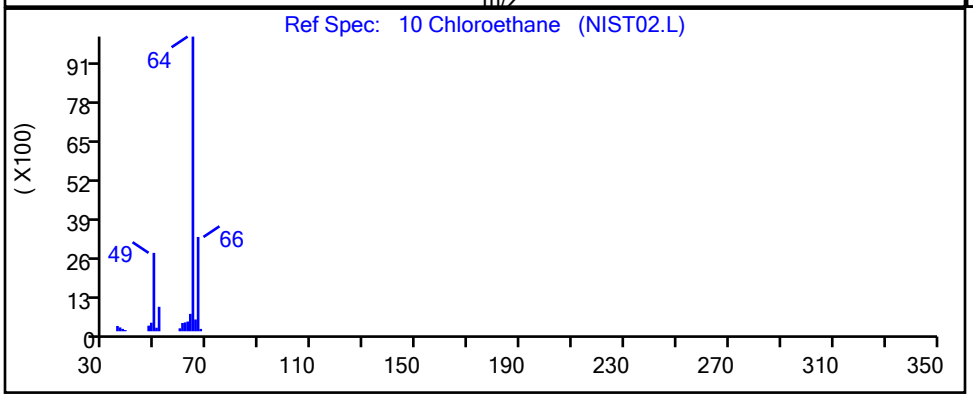
Processing Results











RT	Mass	Response	Amount
2.13	64.00	521	0.199431
2.13	66.00	126	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

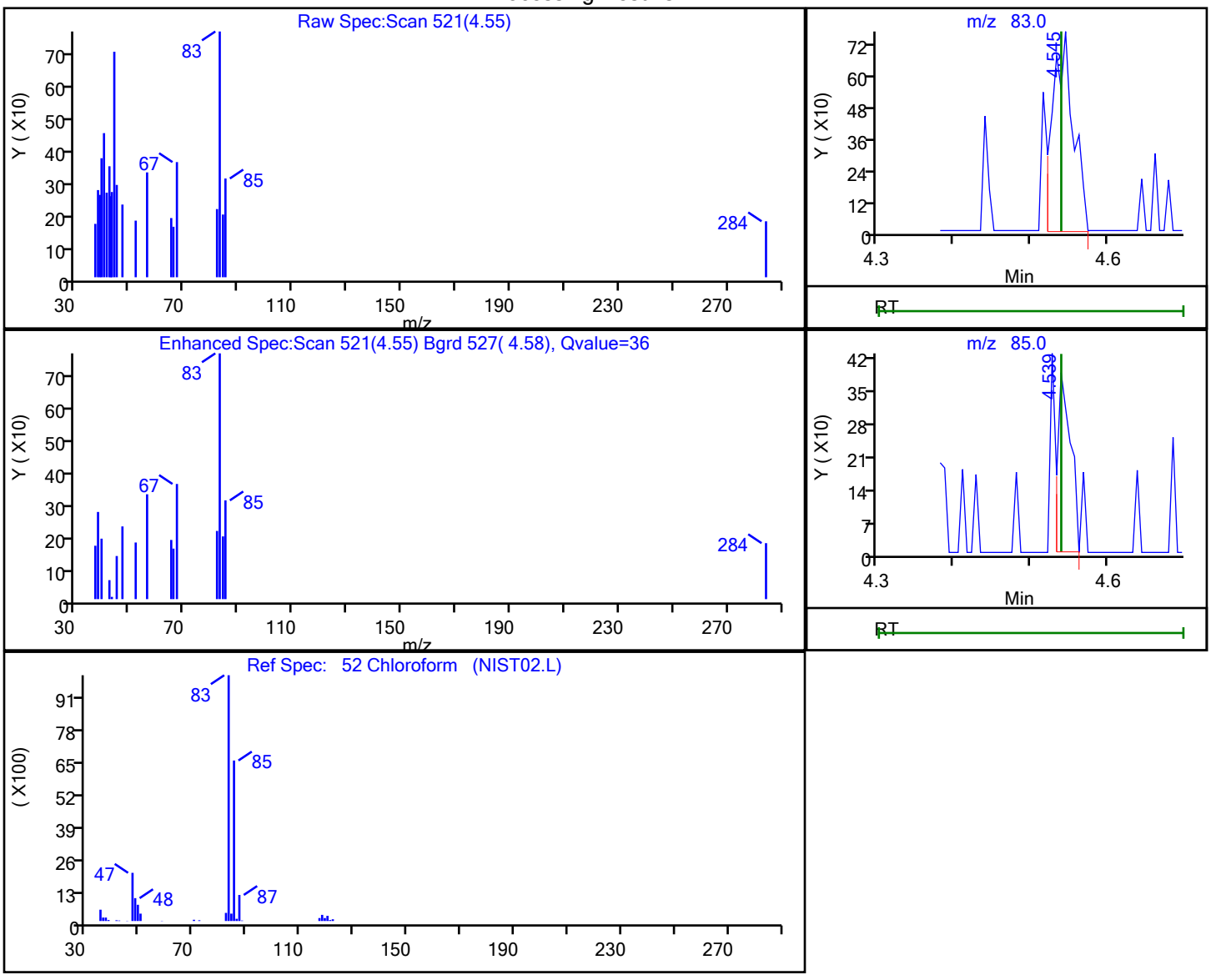
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

52 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
4.55	83.00	1415	0.251475
4.54	85.00	456	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

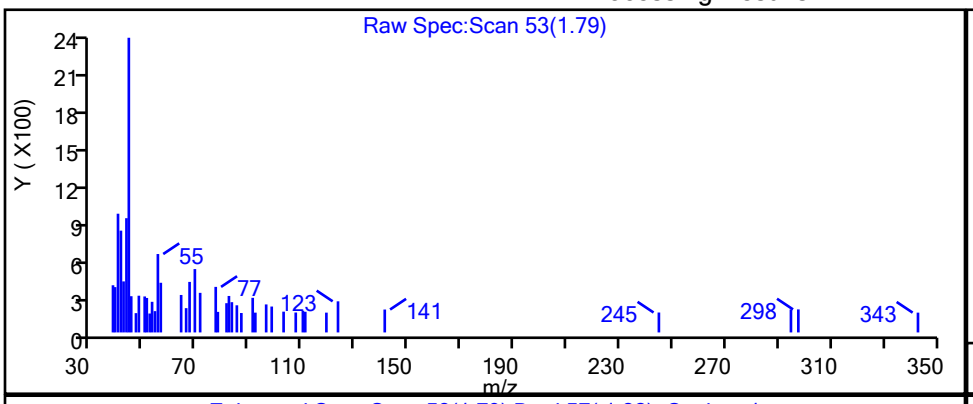
User Disabled Compound Report

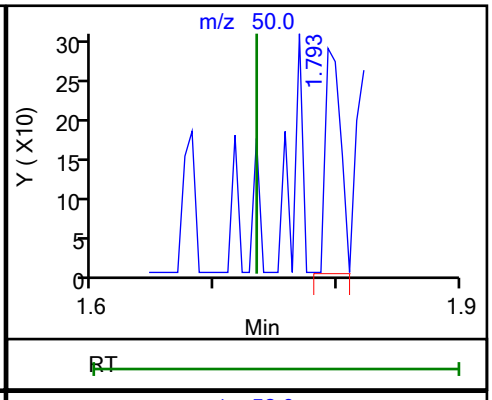
Eurofins Edison

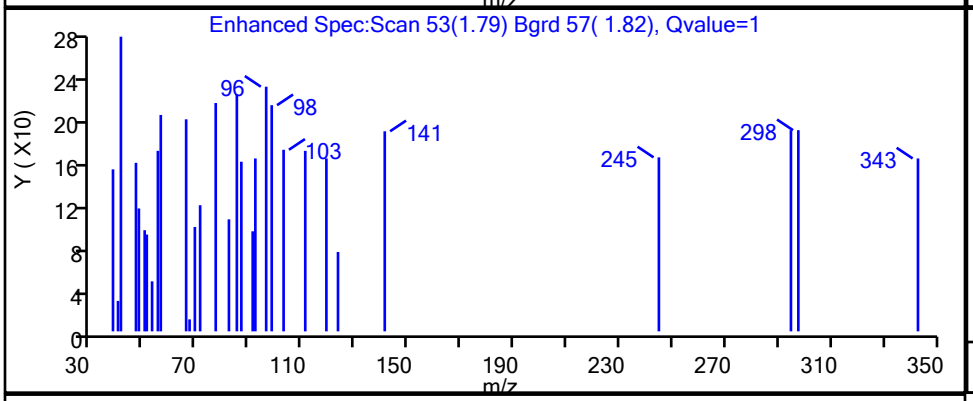
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

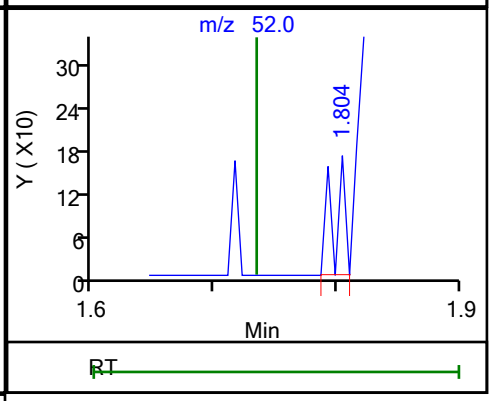
6 Chloromethane, CAS: 74-87-3

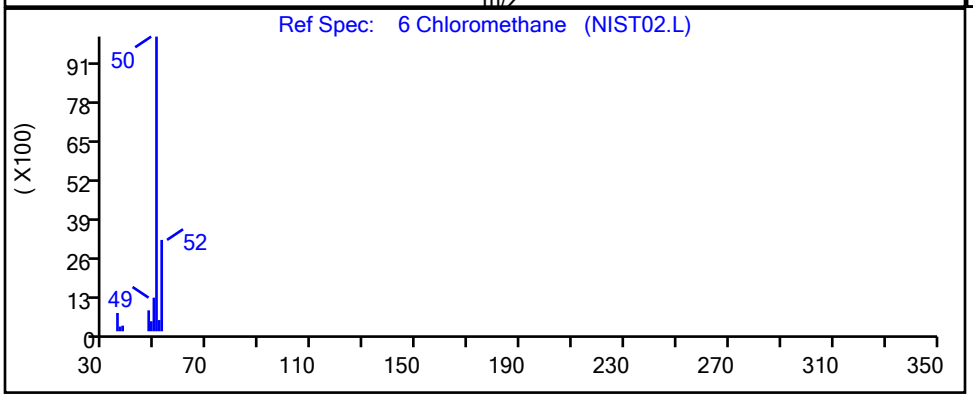
Processing Results











RT	Mass	Response	Amount
1.79	50.00	251	0.071214
1.80	52.00	113	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 03-Mar-2025 16:54:10 Chrom Revision: 2.3 18-Feb-2025 08:41:40

User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D

Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1

Lims ID: STD8

Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 40

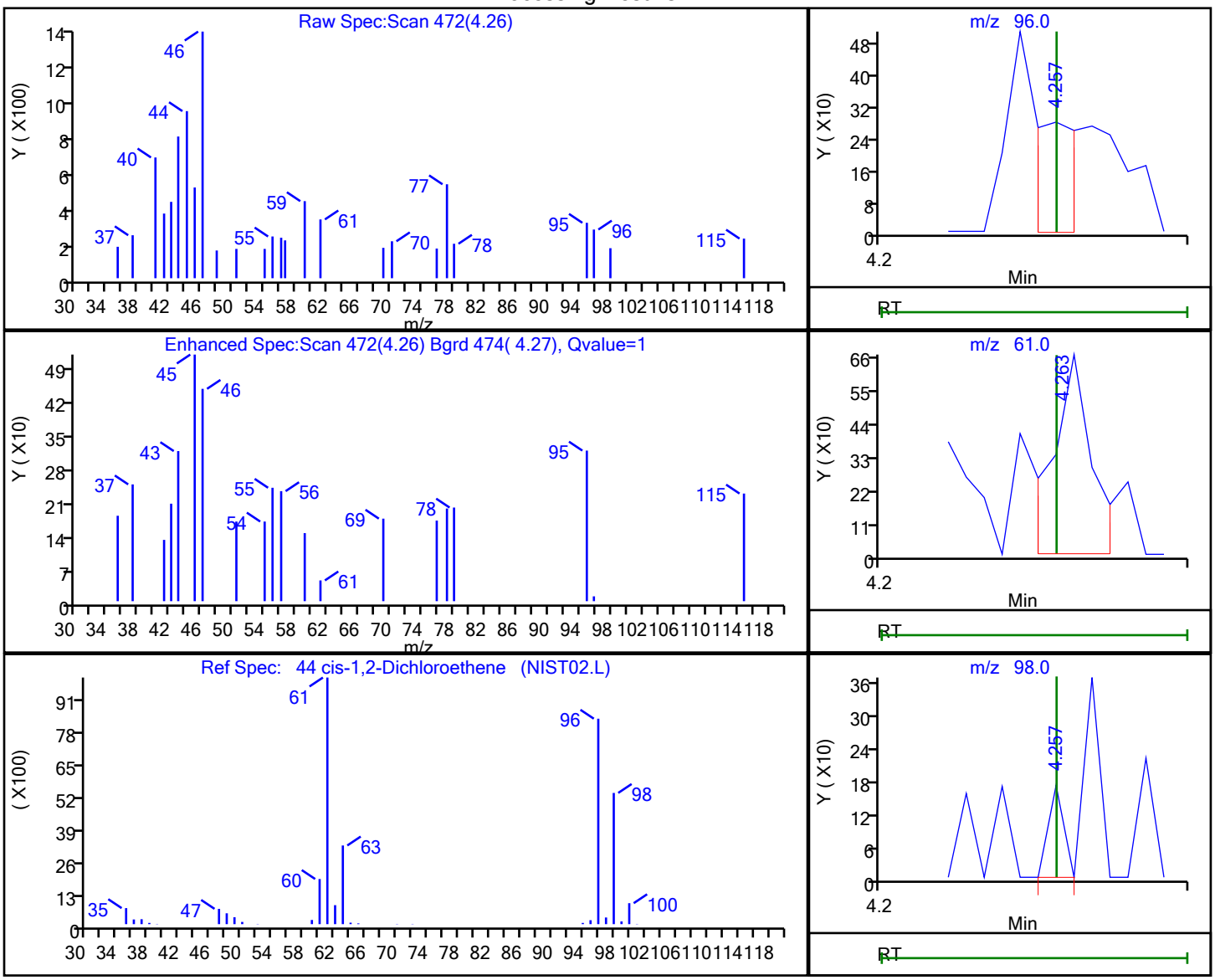
Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
4.26	96.00	278	0.207524
4.26	61.00	599	
4.26	98.00	60	

Reviewer: NN6A, 02-Mar-2025 20:27:06 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

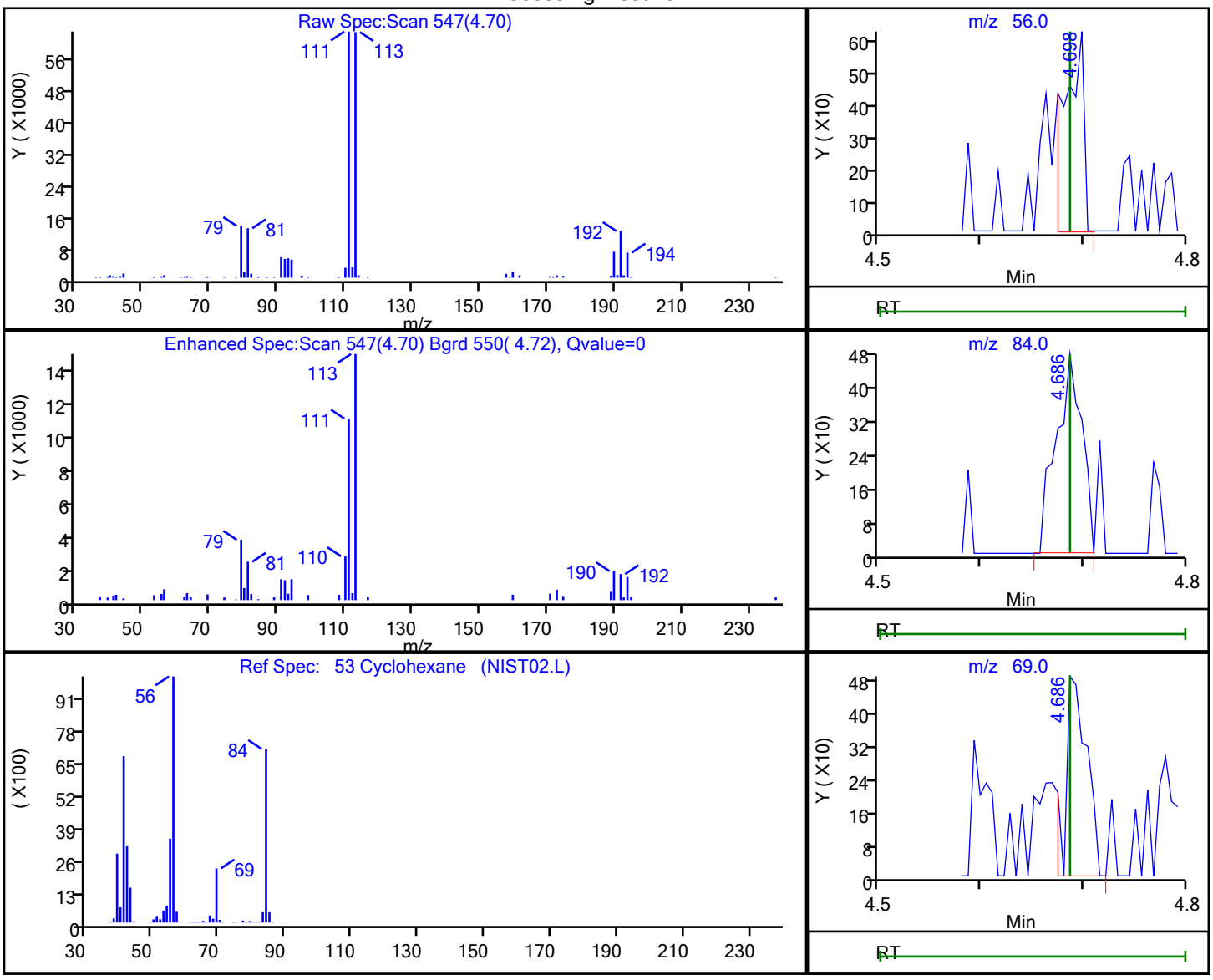
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
4.70	56.00	815	0.224394
4.69	84.00	847	
4.69	69.00	702	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

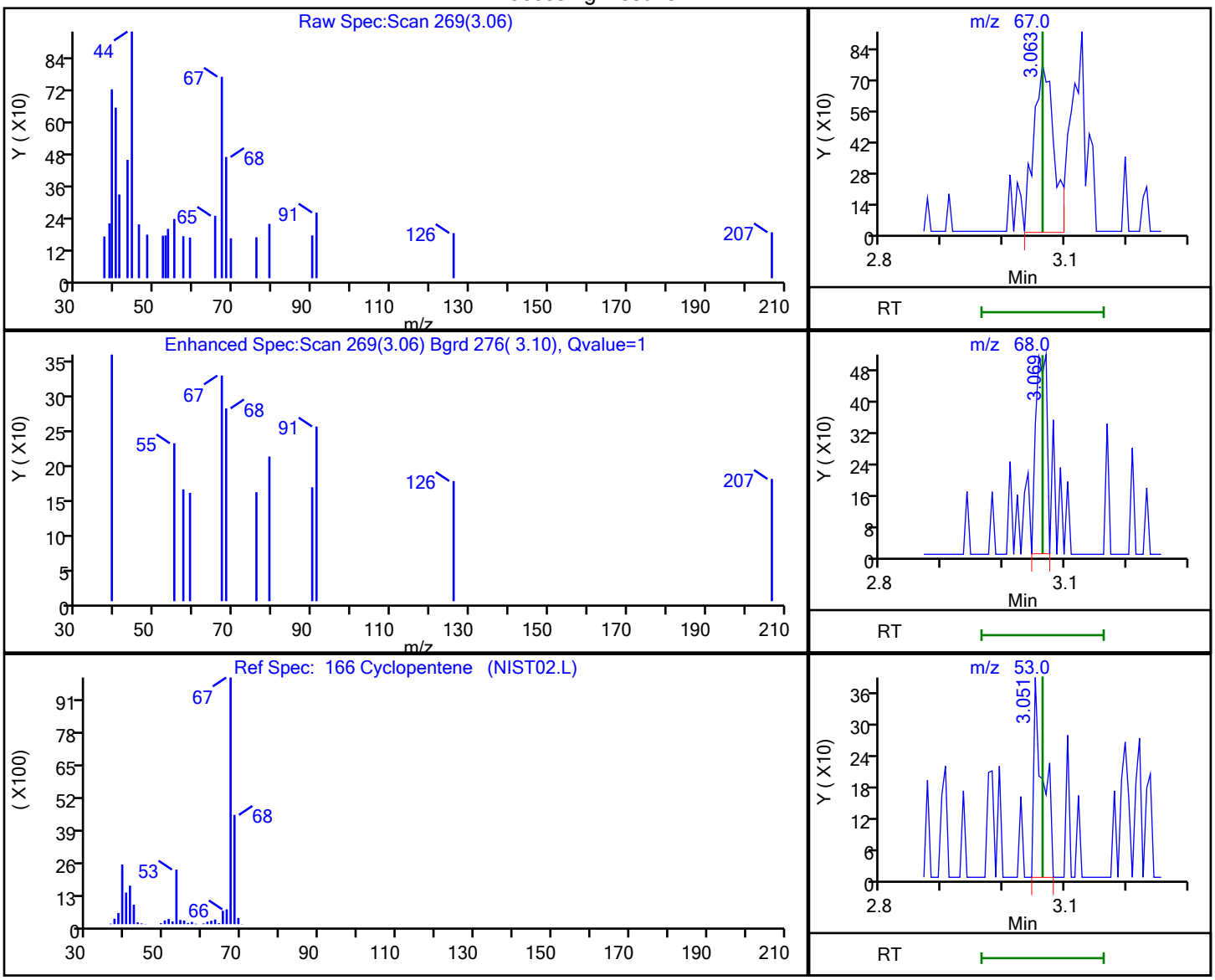
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

166 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
3.06	67.00	1745	
3.07	68.00	639	
3.05	53.00	402	

Reviewer: NN6A, 02-Mar-2025 20:26:56 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

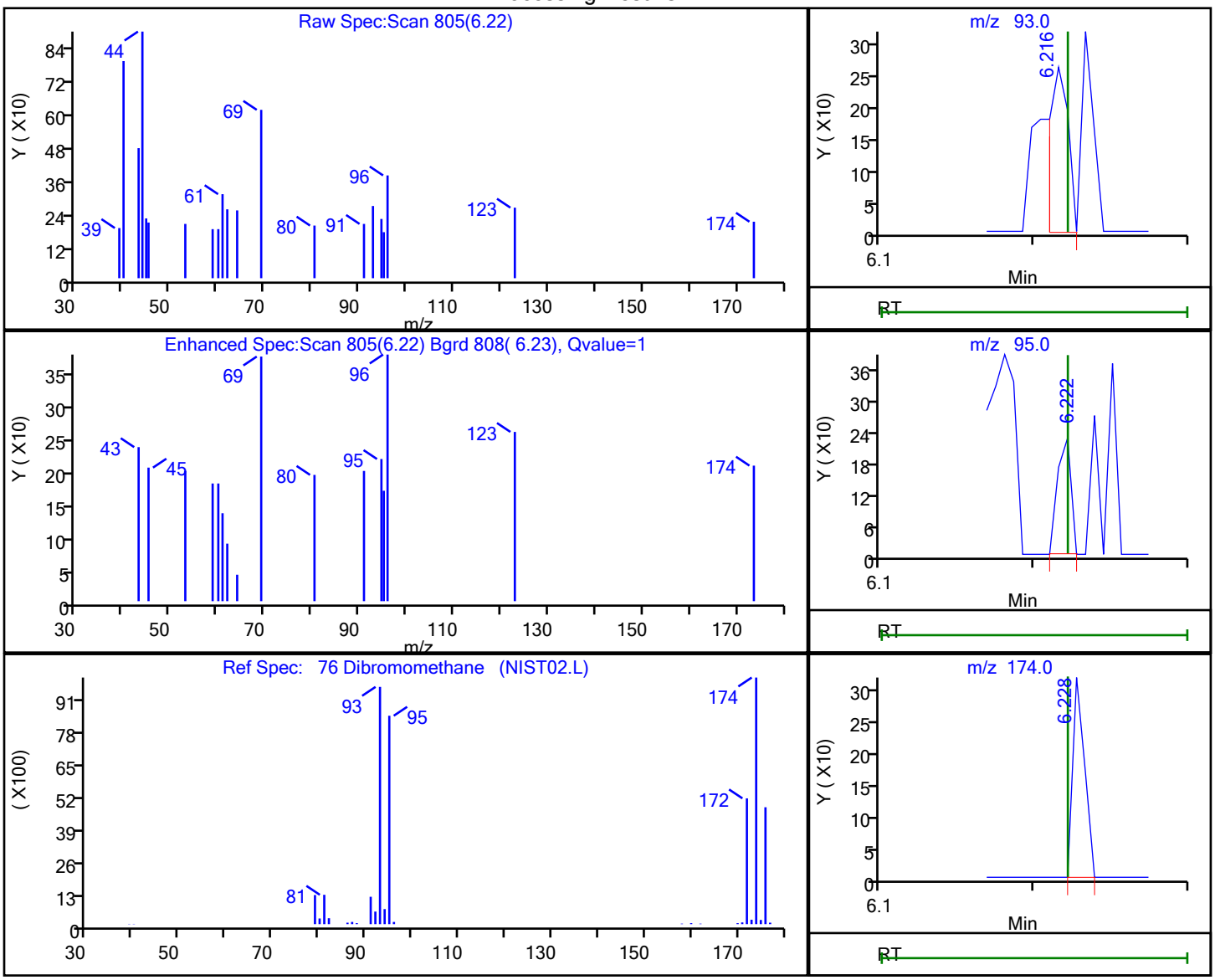
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

76 Dibromomethane, CAS: 74-95-3

Processing Results



RT	Mass	Response	Amount
6.22	93.00	224	0.140428
6.22	95.00	138	
6.23	174.00	170	

Reviewer: NN6A, 02-Mar-2025 20:27:44 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

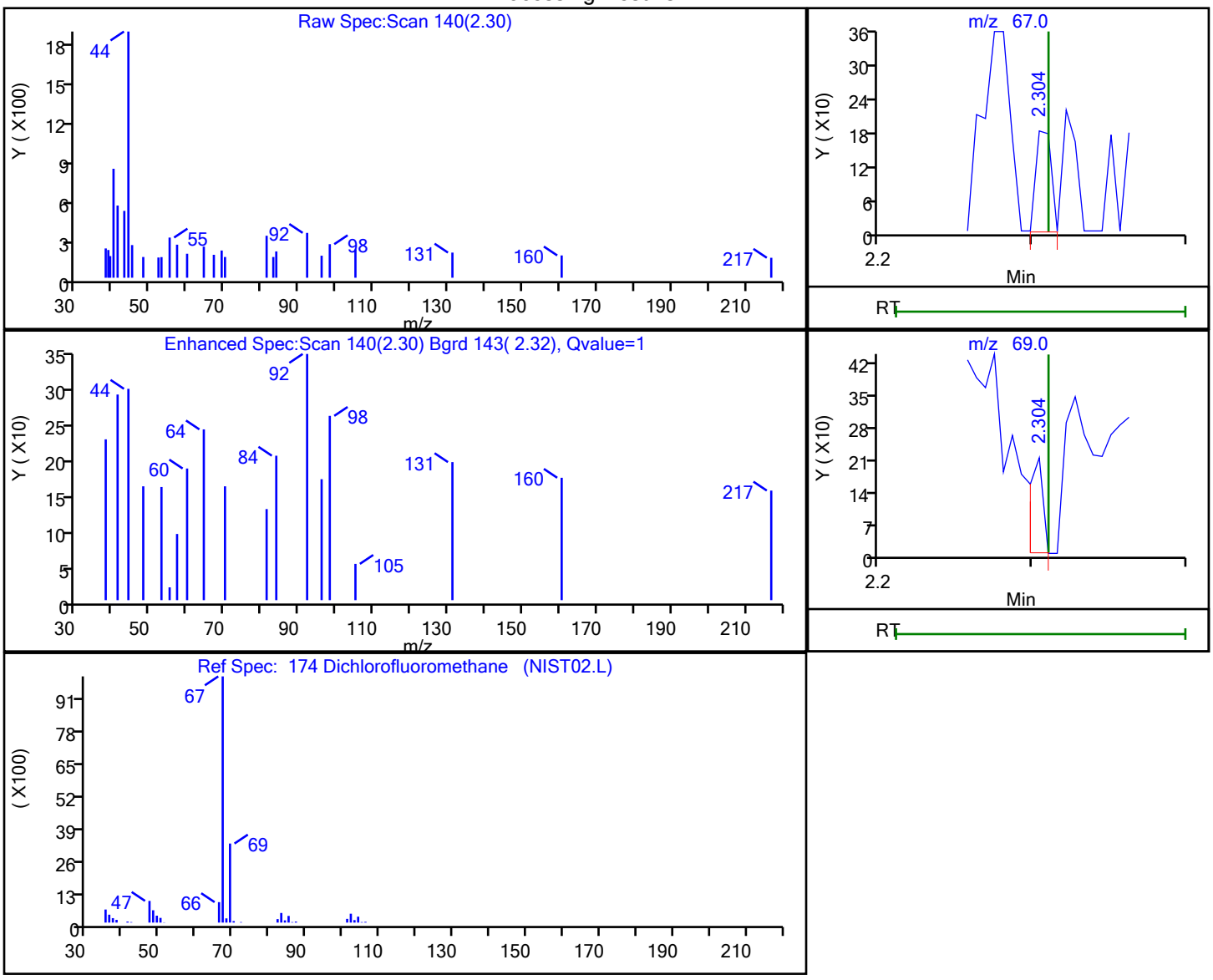
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

174 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.30	67.00	123	
2.30	69.00	128	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

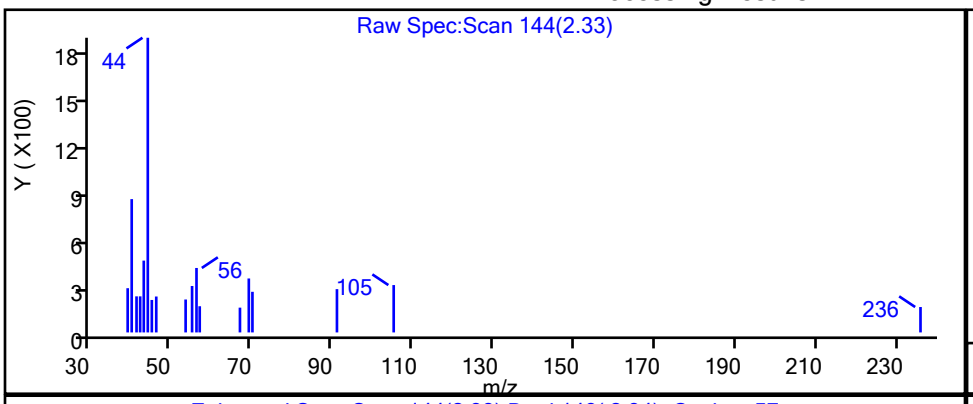
User Disabled Compound Report

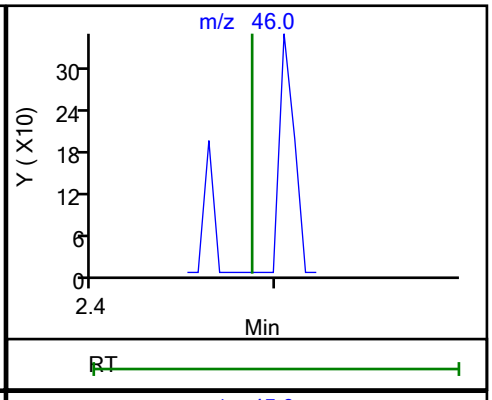
Eurofins Edison

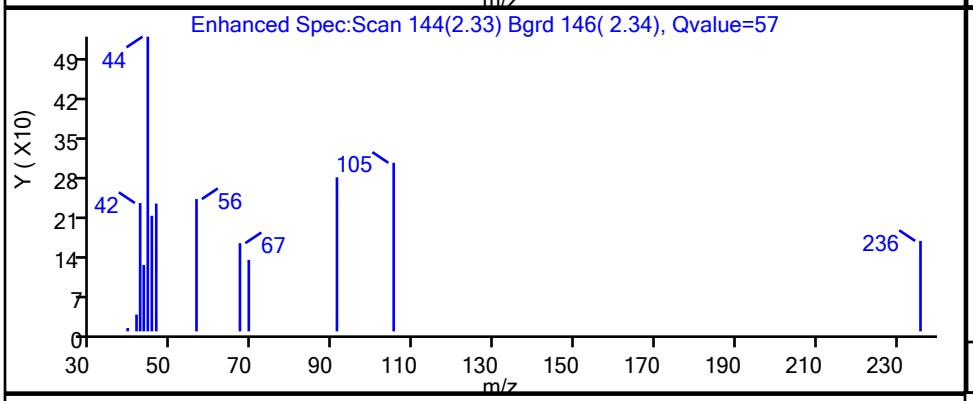
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

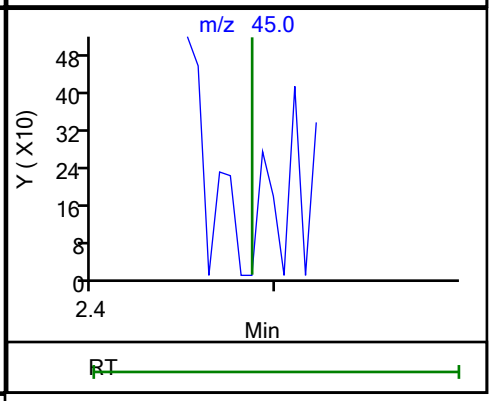
14 Ethanol, CAS: 64-17-5

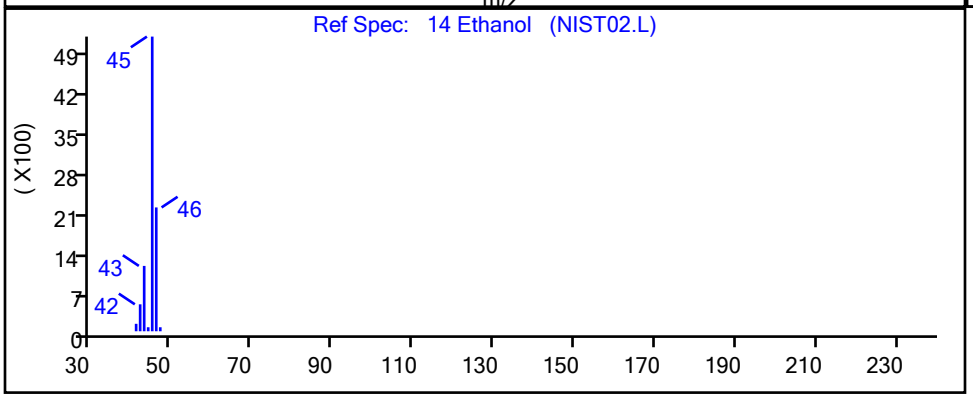
Processing Results











RT	Mass	Response	Amount
2.33	46.00	81	10.822519
2.32	45.00	230	

Reviewer: NN6A, 02-Mar-2025 20:26:43 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

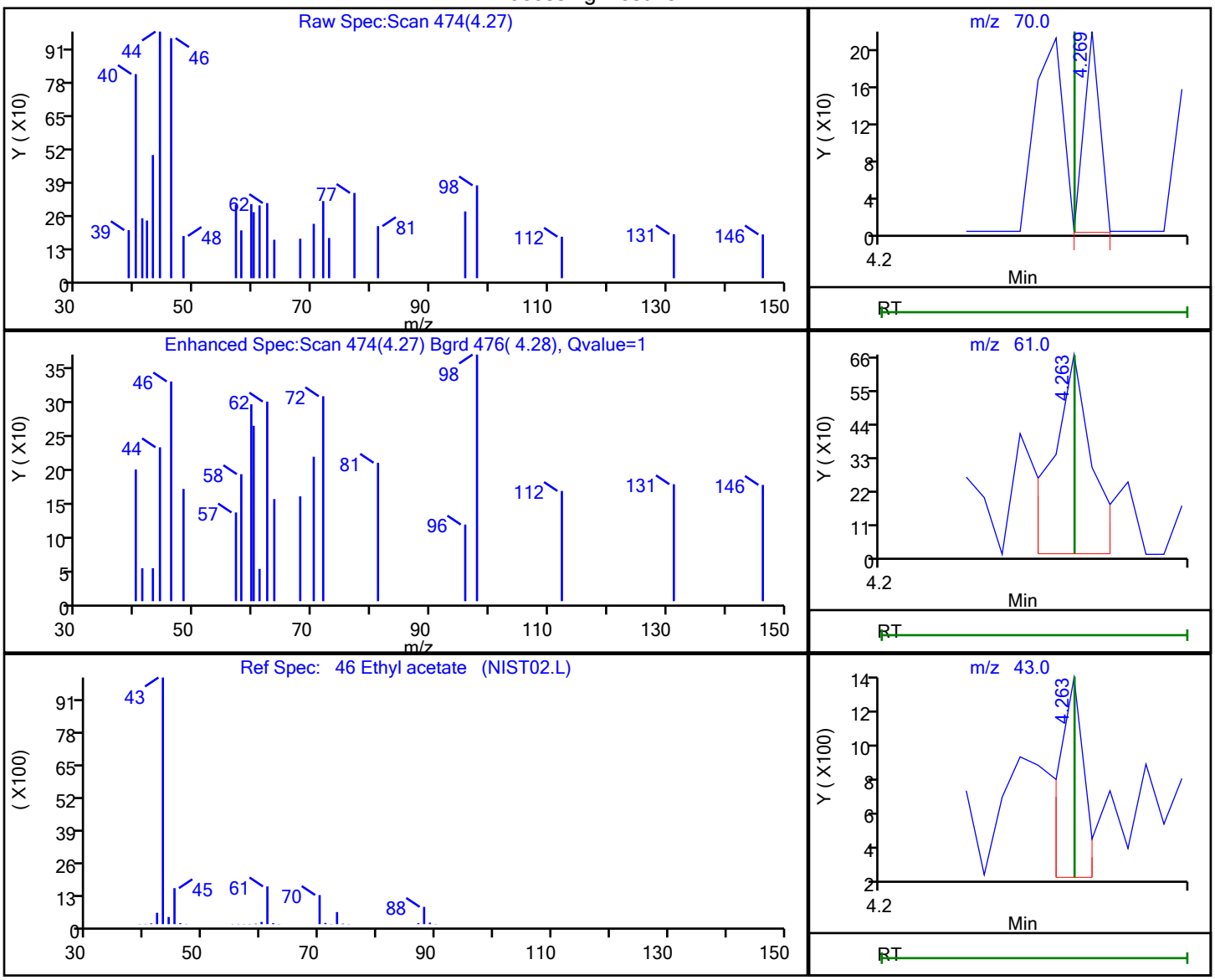
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
4.27	70.00	76	0.460258
4.26	61.00	599	
4.26	43.00	618	

Reviewer: NN6A, 02-Mar-2025 20:27:06 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

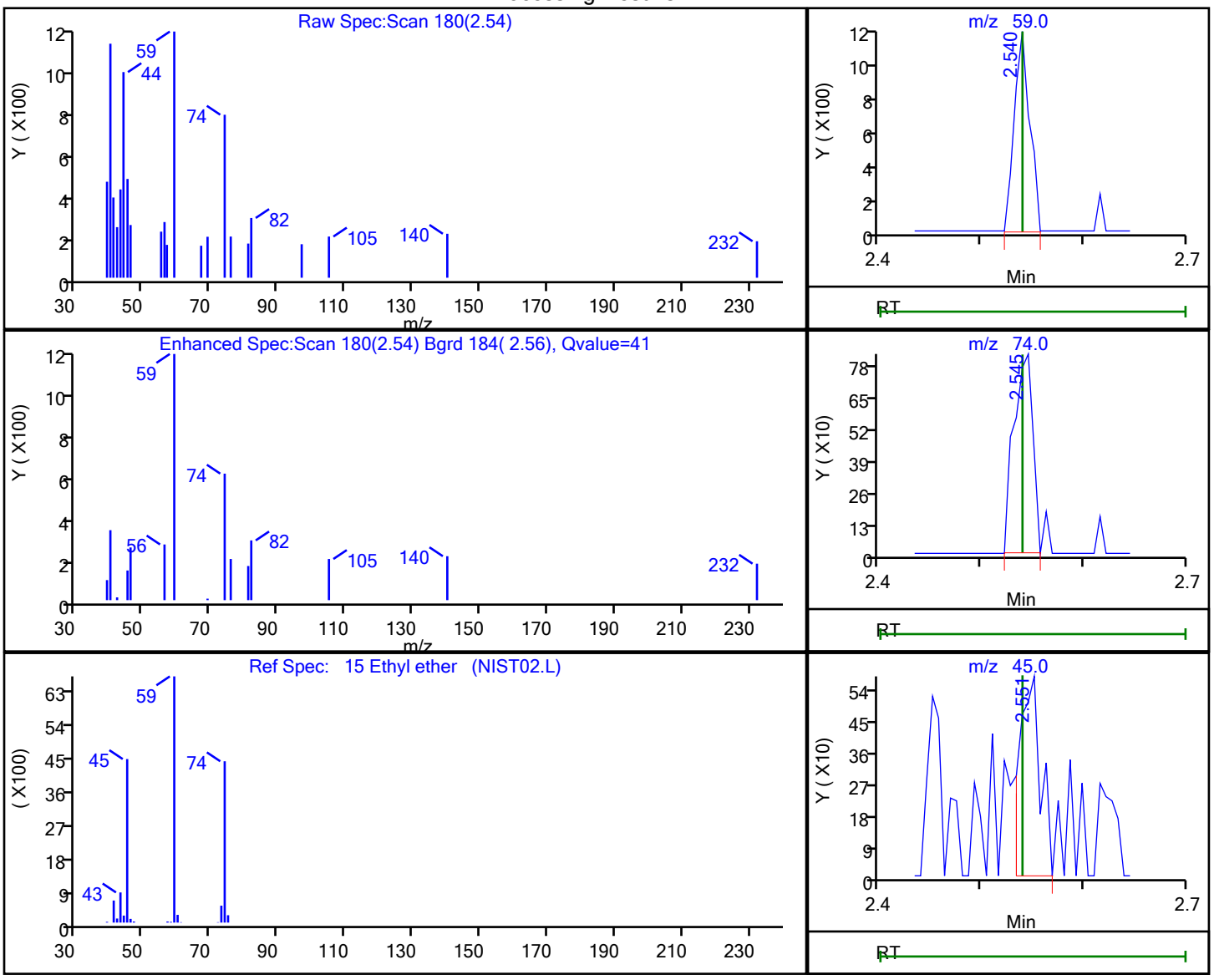
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.54	59.00	1217	0.205914
2.55	74.00	1073	
2.55	45.00	820	

Reviewer: NN6A, 02-Mar-2025 20:26:43 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

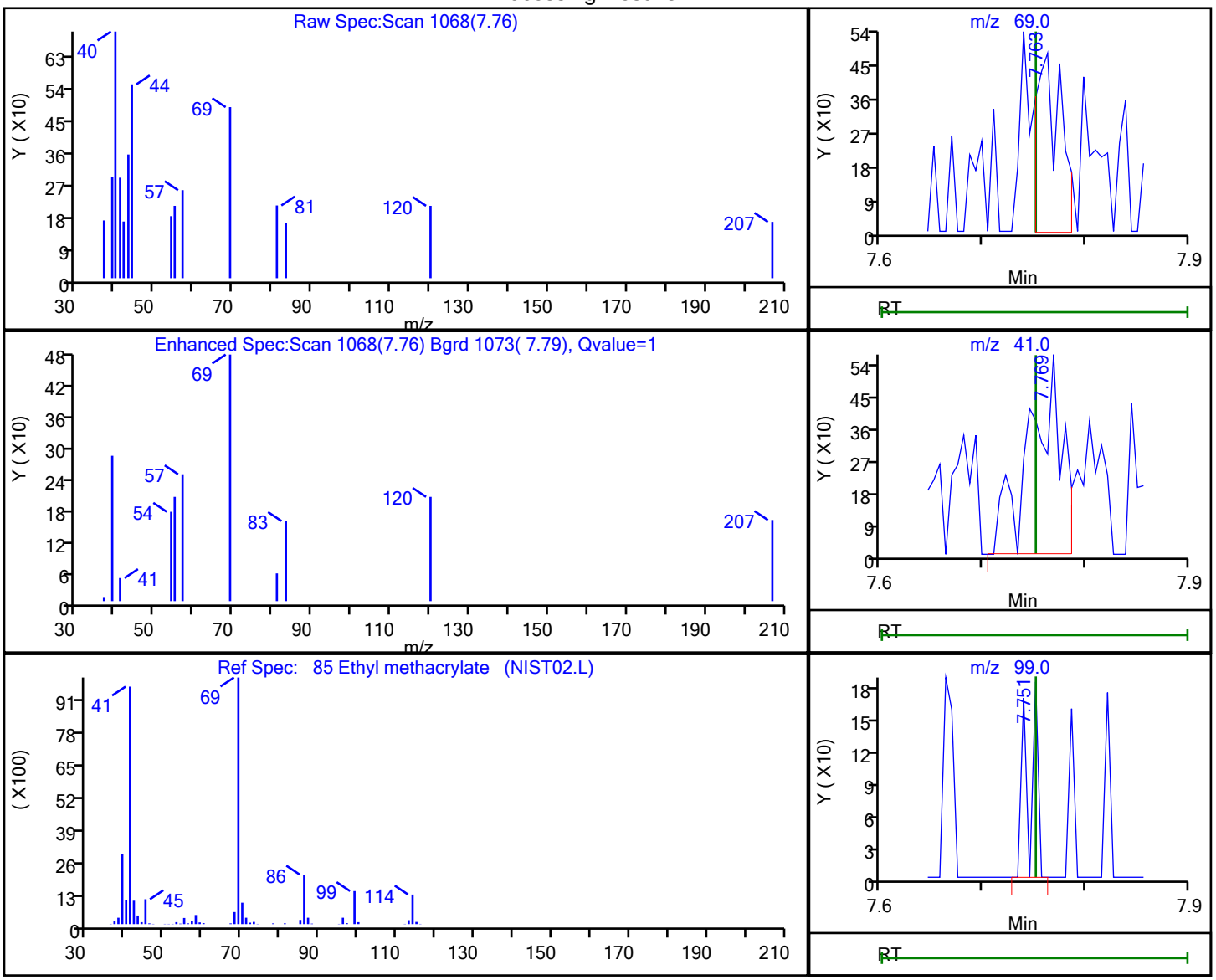
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

85 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
7.76	69.00	798	
7.77	41.00	1242	
7.75	99.00	123	

Reviewer: NN6A, 02-Mar-2025 20:27:58 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

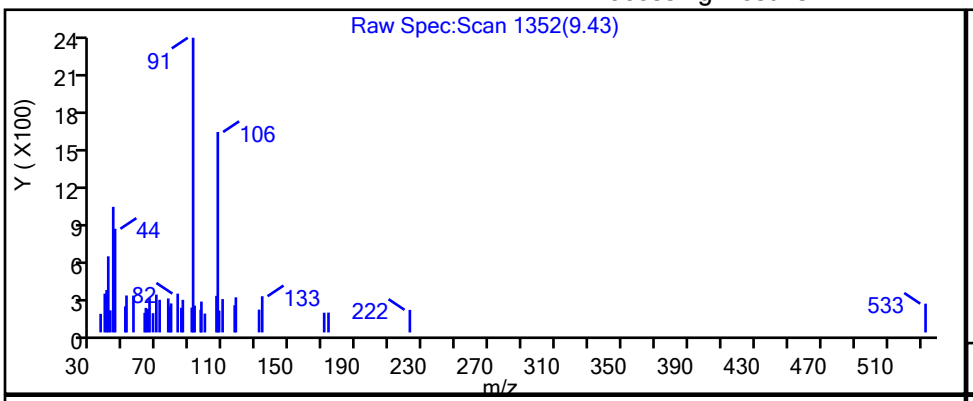
User Disabled Compound Report

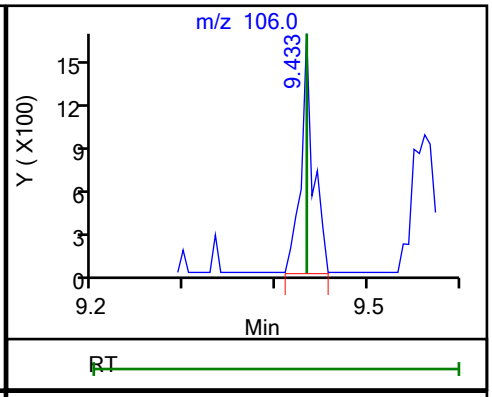
Eurofins Edison

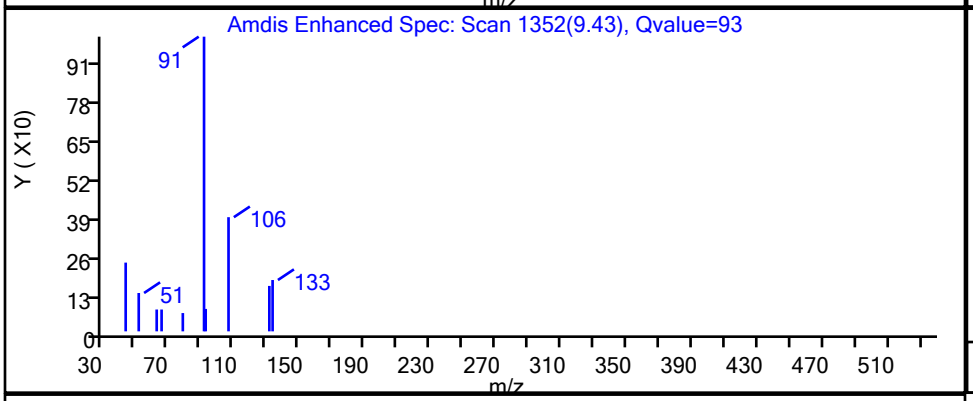
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

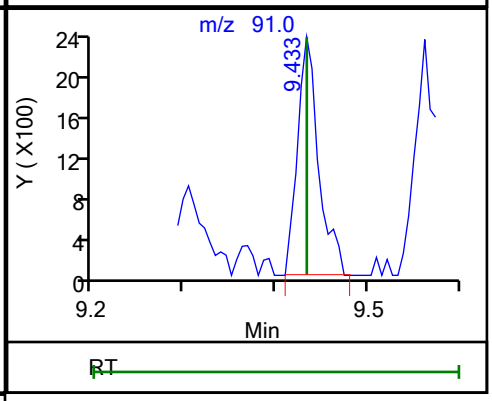
96 Ethylbenzene, CAS: 100-41-4

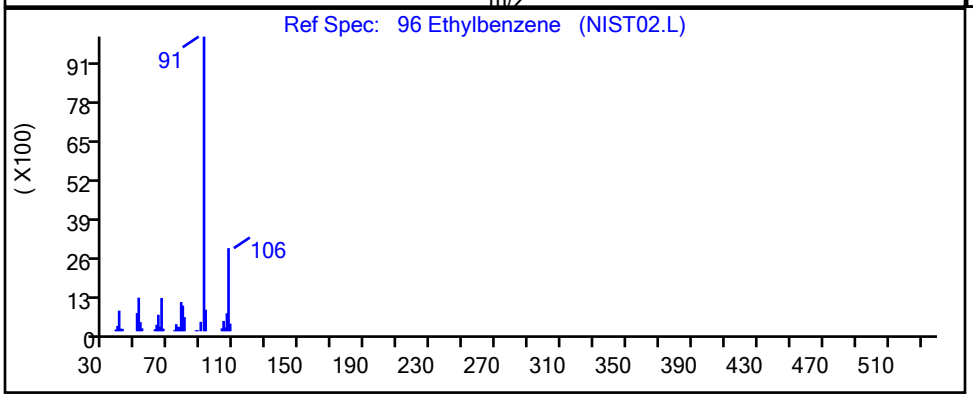
Processing Results











RT	Mass	Response	Amount
9.43	106.00	1498	0.203448
9.43	91.00	3818	

Reviewer: NN6A, 02-Mar-2025 20:28:19 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

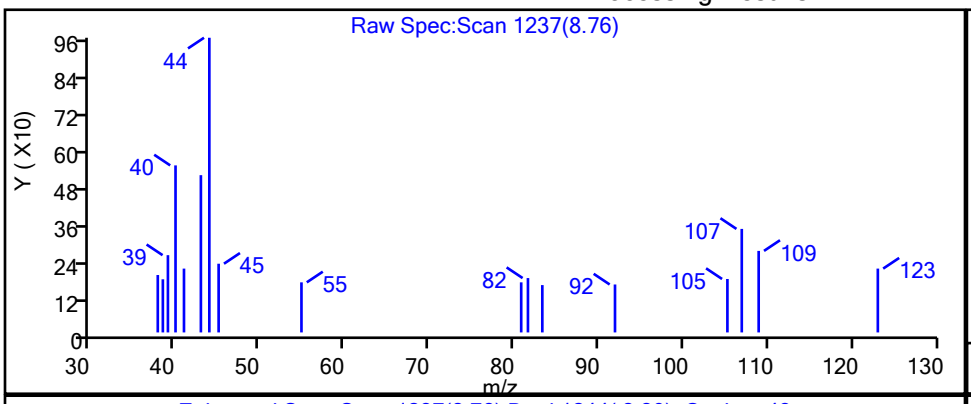
User Disabled Compound Report

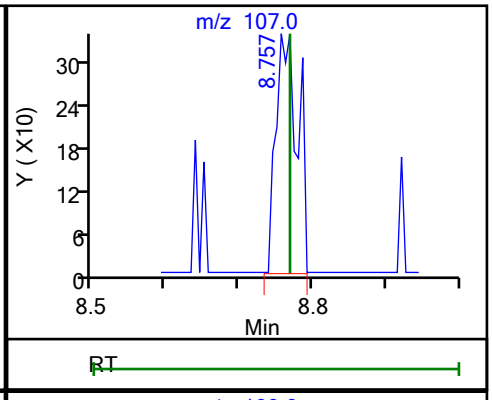
Eurofins Edison

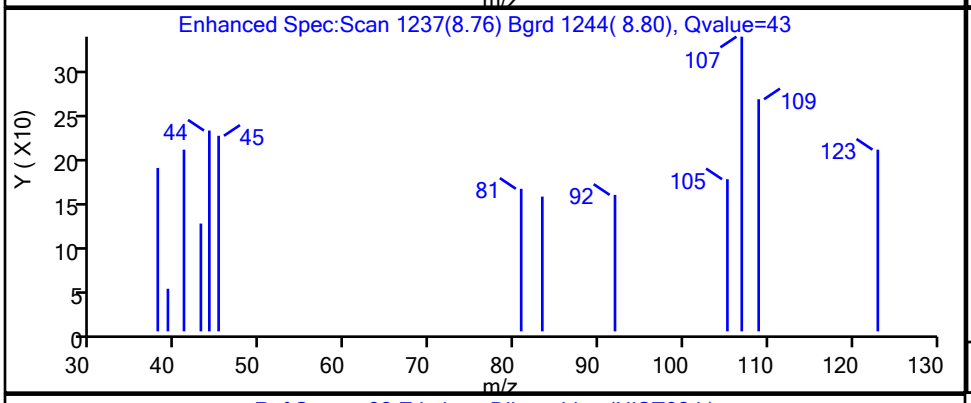
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

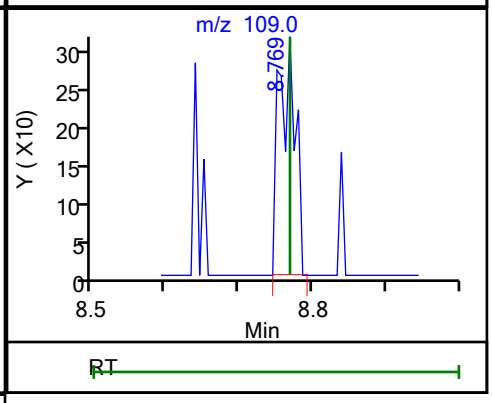
93 Ethylene Dibromide, CAS: 106-93-4

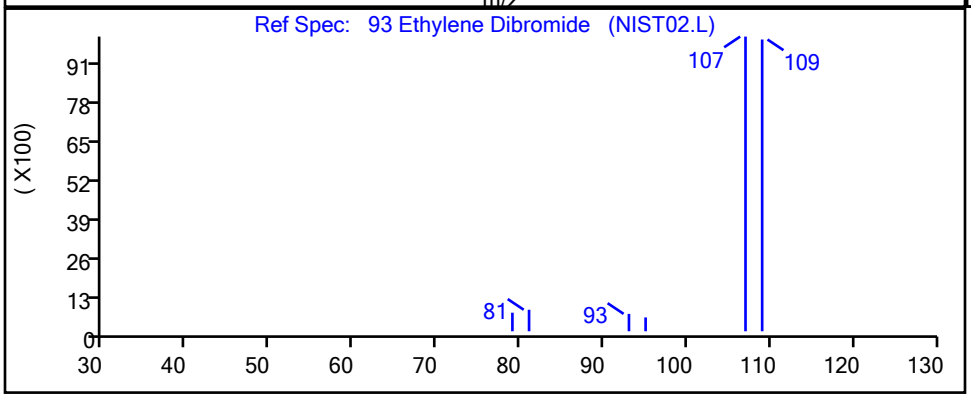
Processing Results











RT	Mass	Response	Amount
8.76	107.00	703	0.276686
8.77	109.00	500	

Reviewer: NN6A, 02-Mar-2025 20:28:16 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

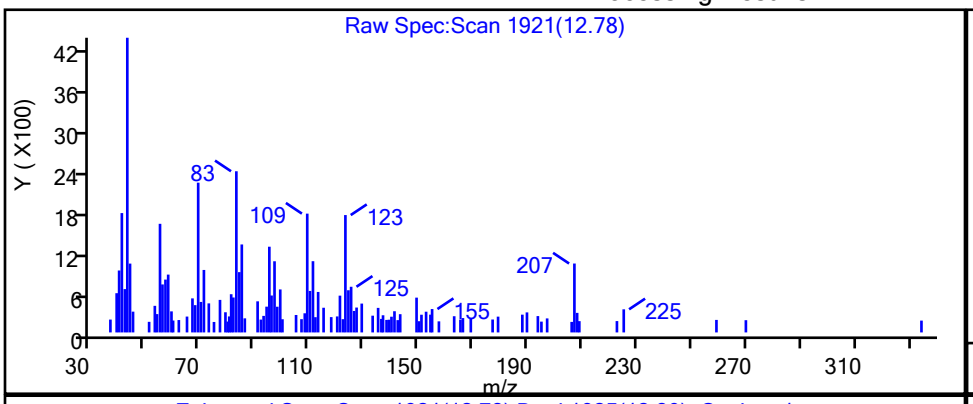
User Disabled Compound Report

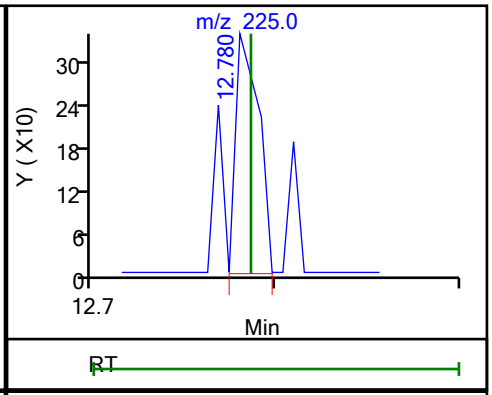
Eurofins Edison

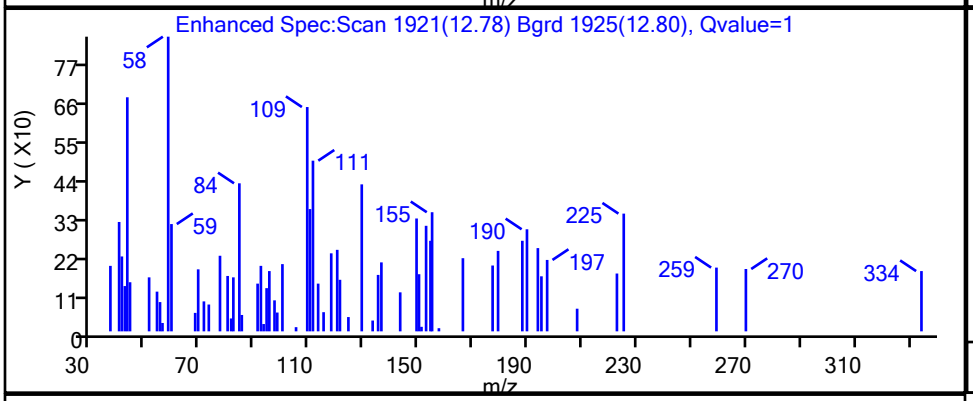
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

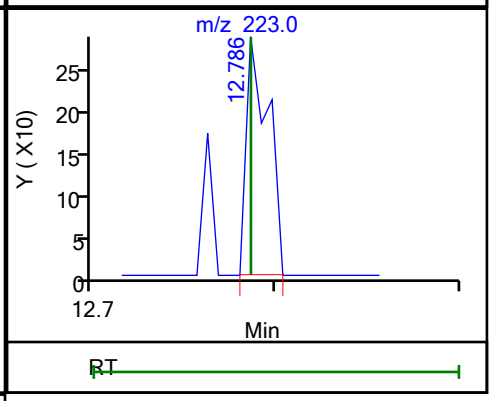
133 Hexachlorobutadiene, CAS: 87-68-3

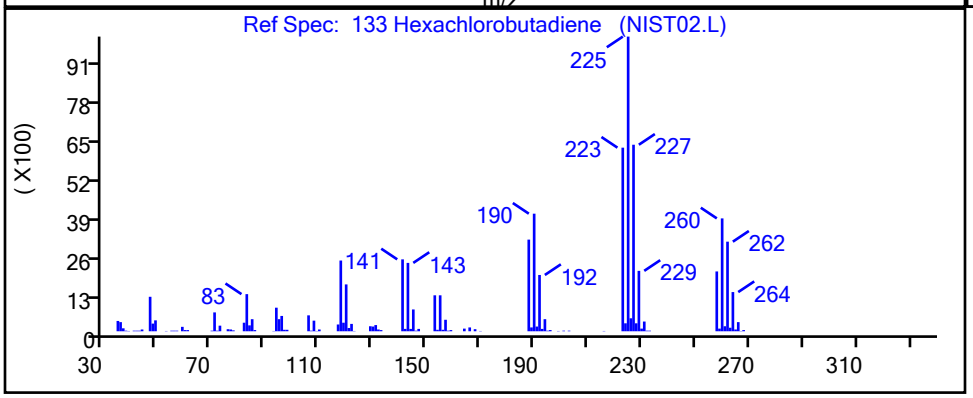
Processing Results











RT	Mass	Response	Amount
12.78	225.00	295	0.006146
12.79	223.00	238	

Reviewer: NN6A, 02-Mar-2025 20:29:12 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

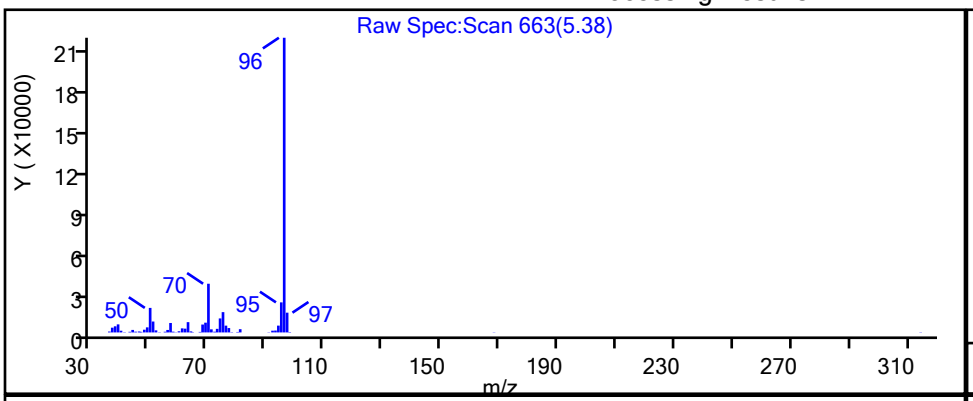
User Disabled Compound Report

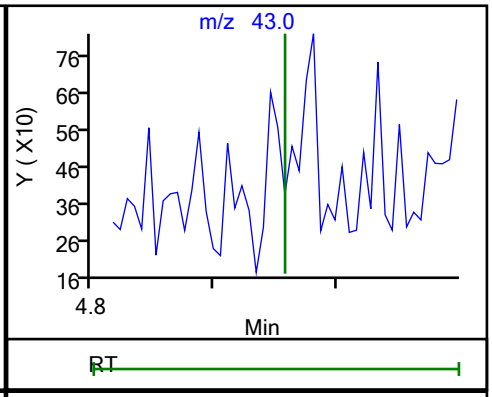
Eurofins Edison

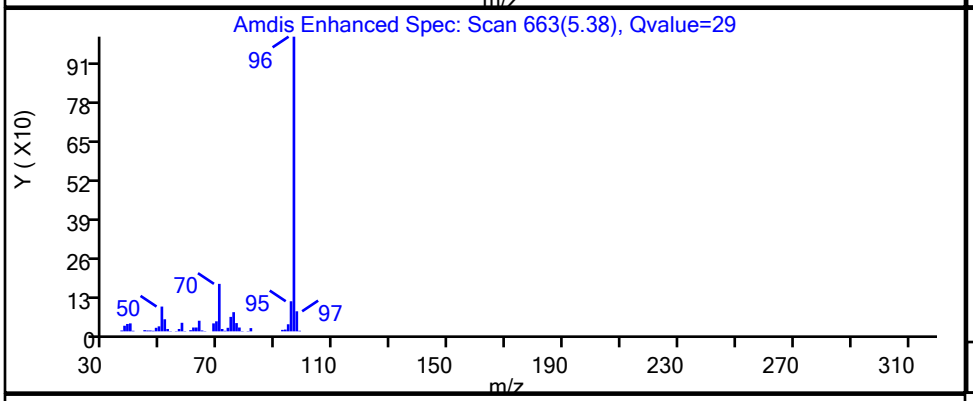
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

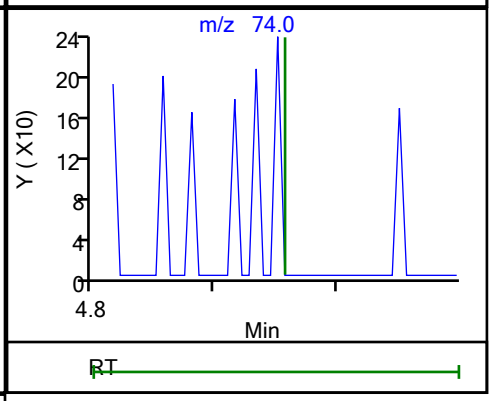
58 Isobutyl alcohol, CAS: 78-83-1

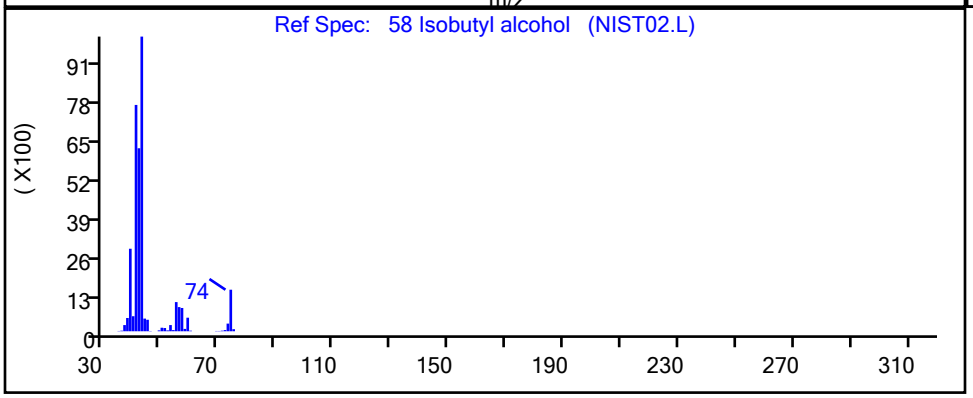
Processing Results











RT	Mass	Response	Amount
5.38	43.00	920	
5.37	74.00	25287	

Reviewer: NN6A, 02-Mar-2025 20:27:29 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

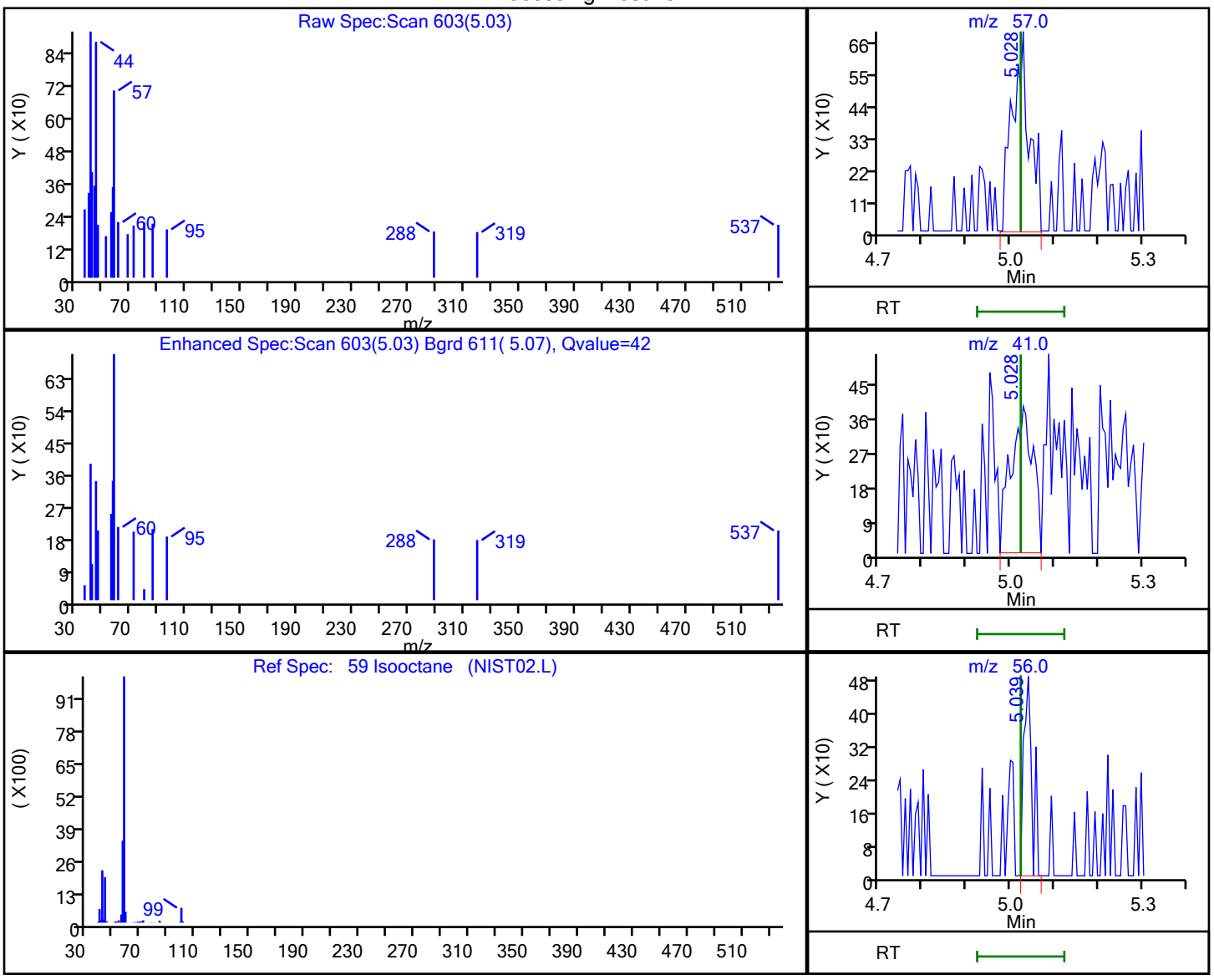
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
5.03	57.00	1881	
5.03	41.00	1374	
5.04	56.00	642	

Reviewer: NN6A, 02-Mar-2025 20:27:21 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

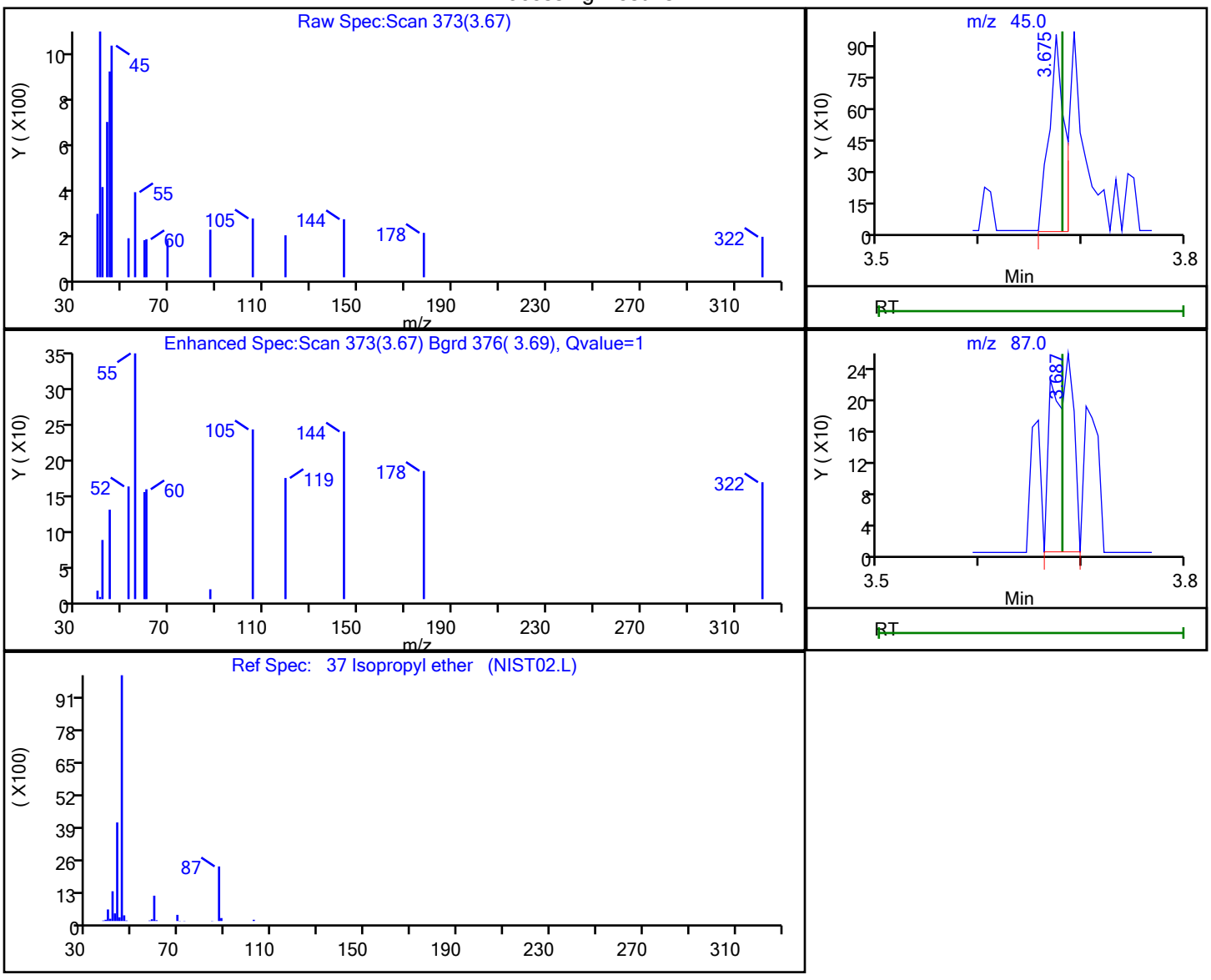
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

37 Isopropyl ether, CAS: 108-20-3

Processing Results



RT	Mass	Response	Amount
3.67	45.00	977	0.173454
3.69	87.00	366	

Reviewer: NN6A, 02-Mar-2025 20:27:00 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

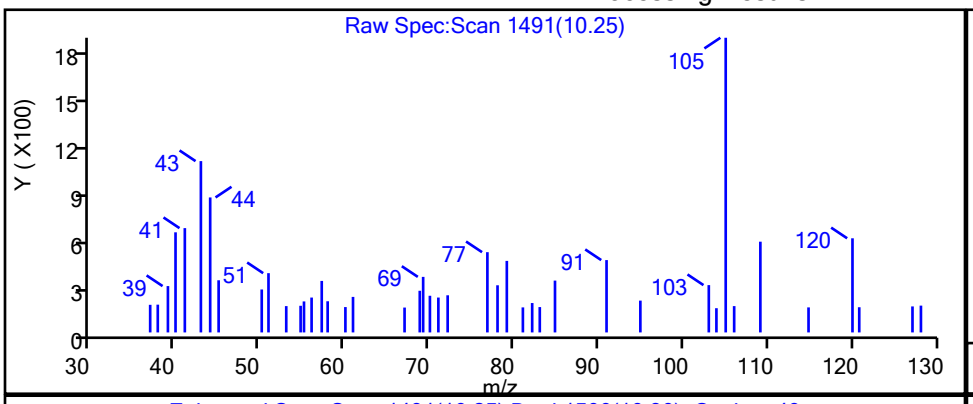
User Disabled Compound Report

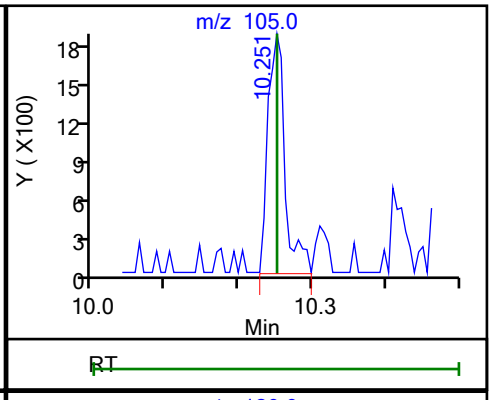
Eurofins Edison

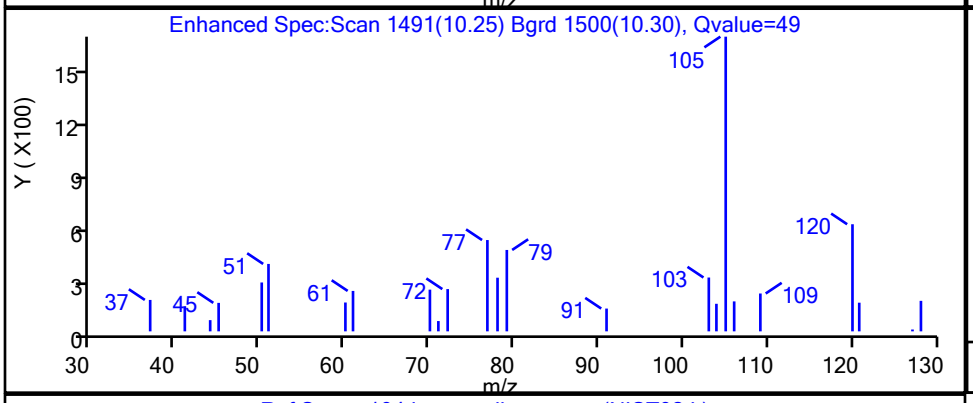
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D				
Injection Date:	01-Mar-2025 15:41:30	Instrument ID:	CVOAMS1		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

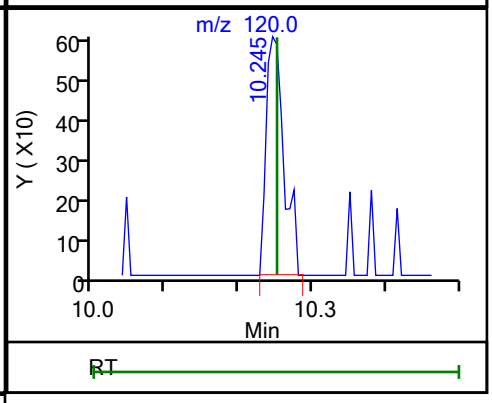
104 Isopropylbenzene, CAS: 98-82-8

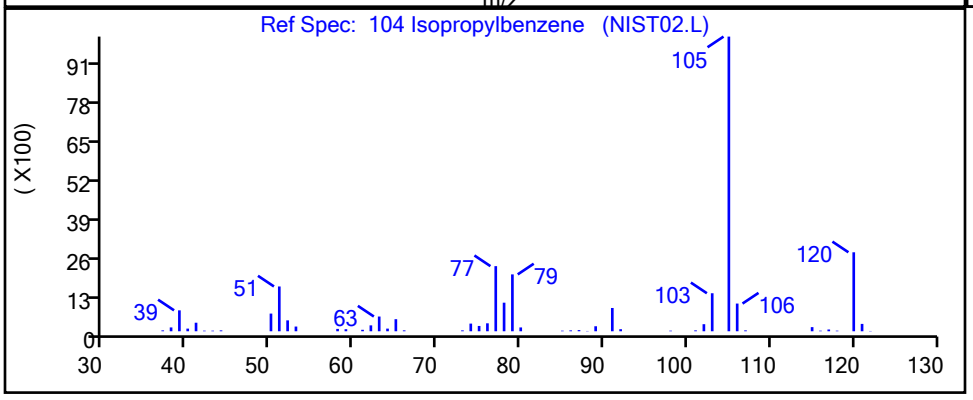
Processing Results











RT	Mass	Response	Amount
10.25	105.00	2931	0.234819
10.24	120.00	1019	

Reviewer: NN6A, 02-Mar-2025 20:28:31 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

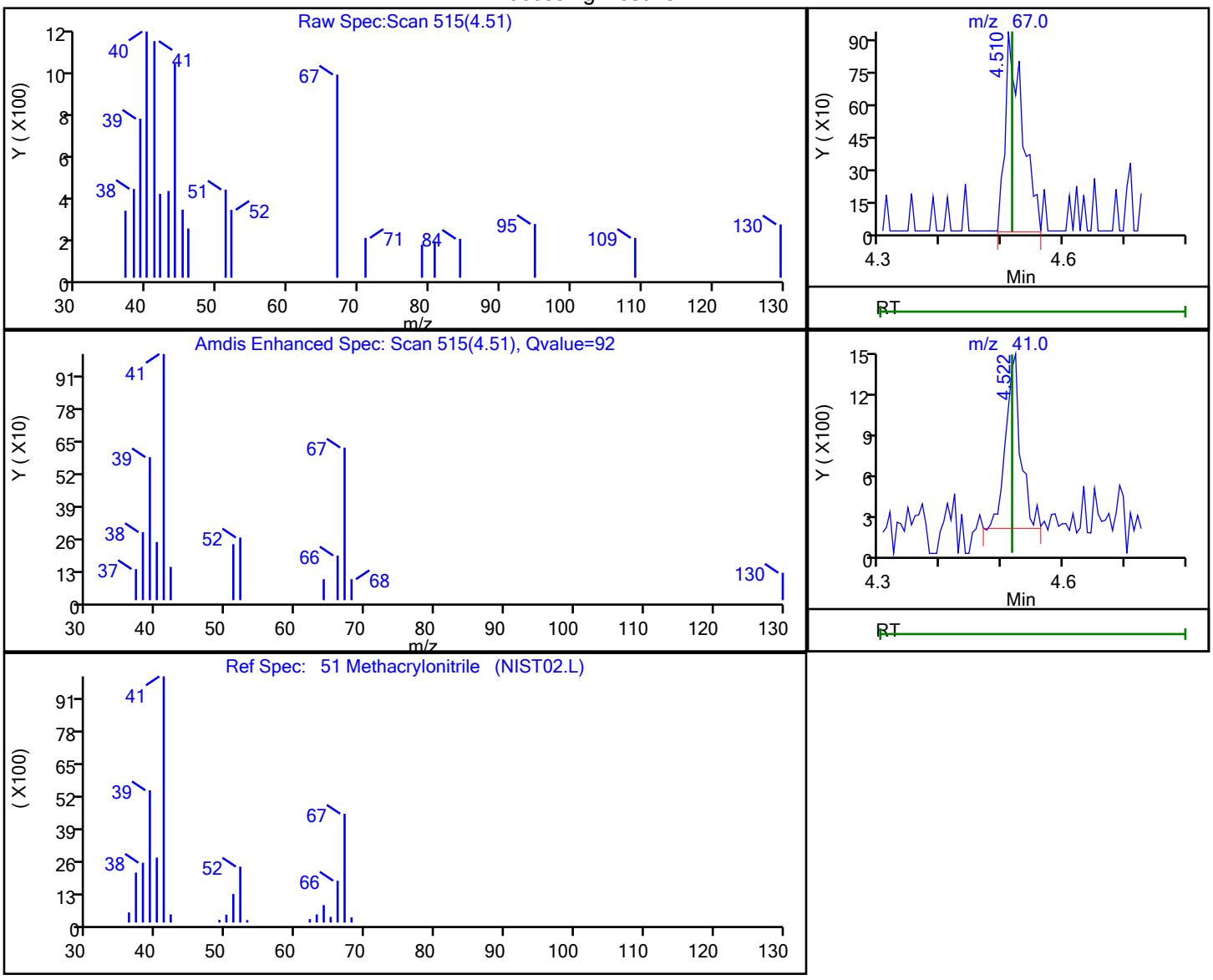
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

51 Methacrylonitrile, CAS: 126-98-7

Processing Results



RT	Mass	Response	Amount
4.51	67.00	1815	
4.52	41.00	2200	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

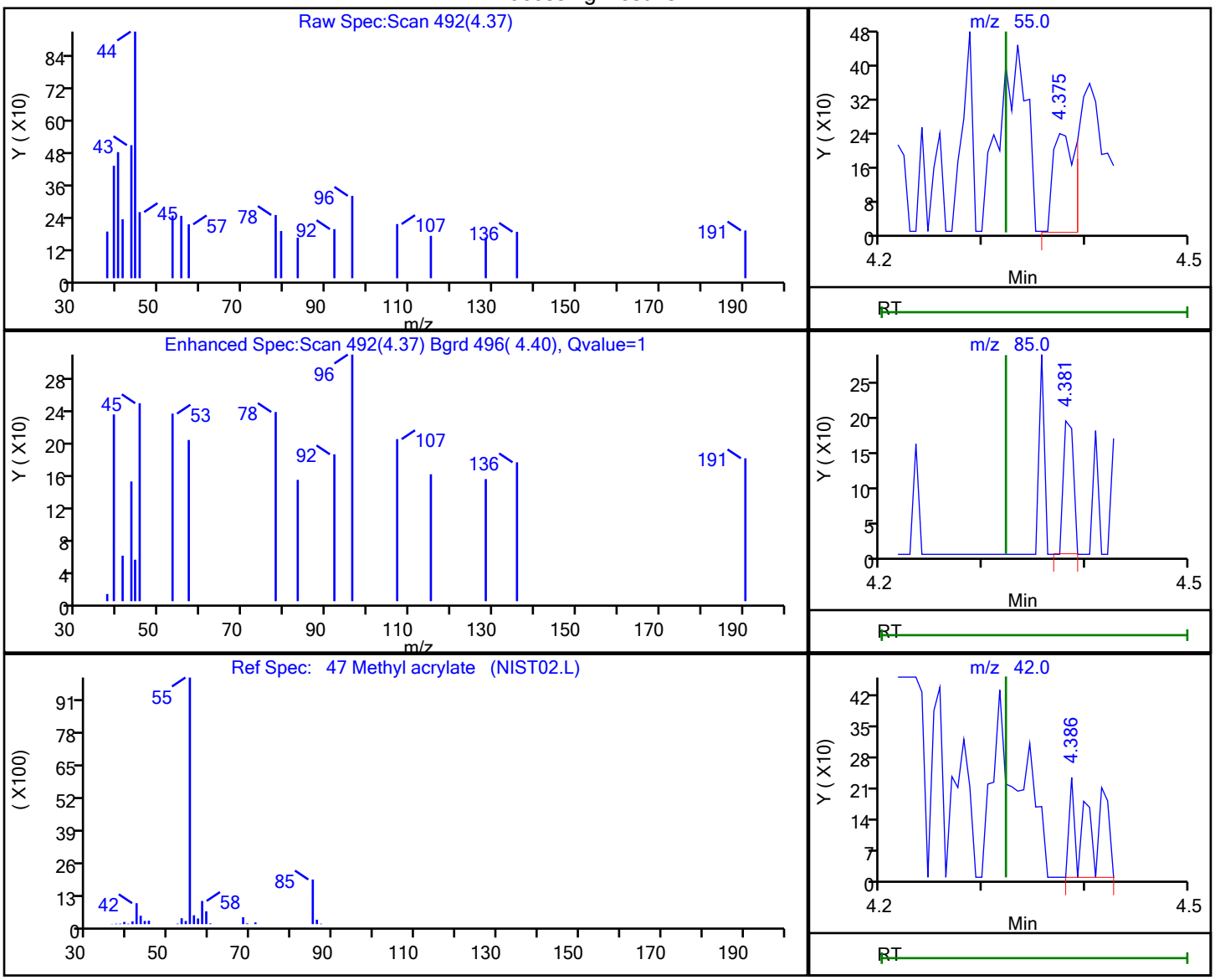
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

47 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
4.37	55.00	365	
4.38	85.00	131	
4.39	42.00	329	

Reviewer: NN6A, 02-Mar-2025 20:27:06 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

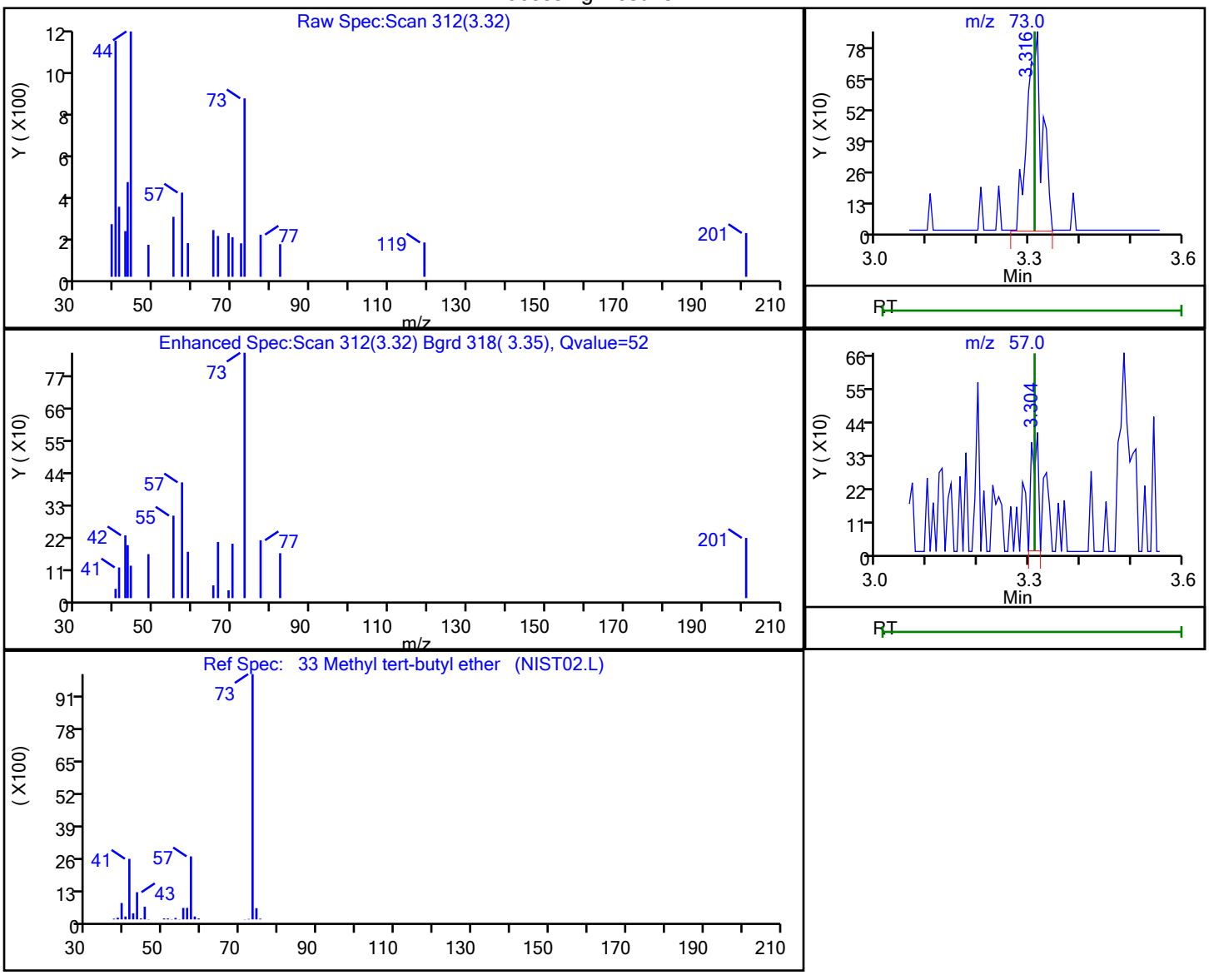
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
3.32	73.00	1717	0.240375
3.30	57.00	363	

Reviewer: NN6A, 02-Mar-2025 20:26:57 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

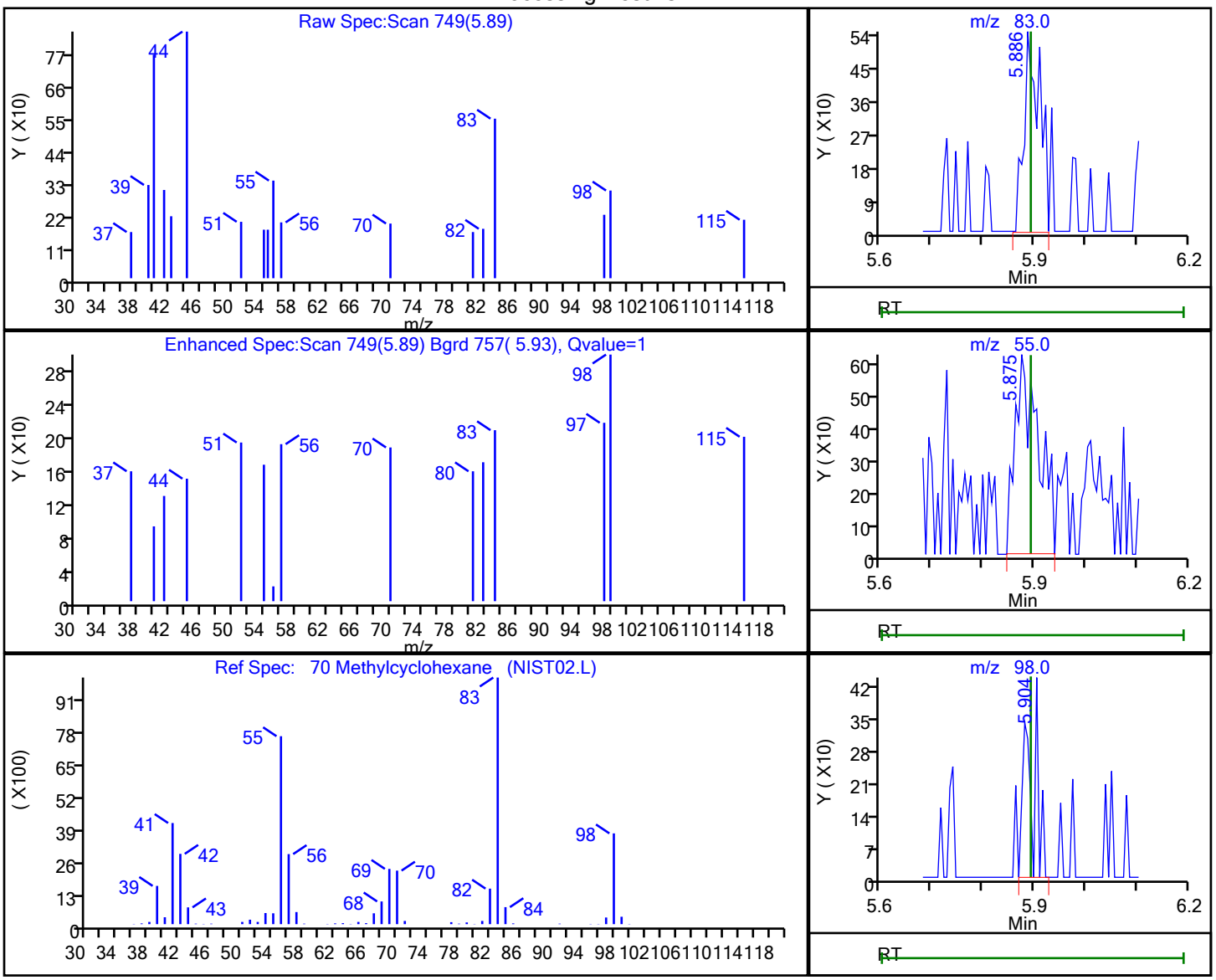
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
5.89	83.00	1185	0.263217
5.87	55.00	2014	
5.90	98.00	563	

Reviewer: NN6A, 02-Mar-2025 20:27:30 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

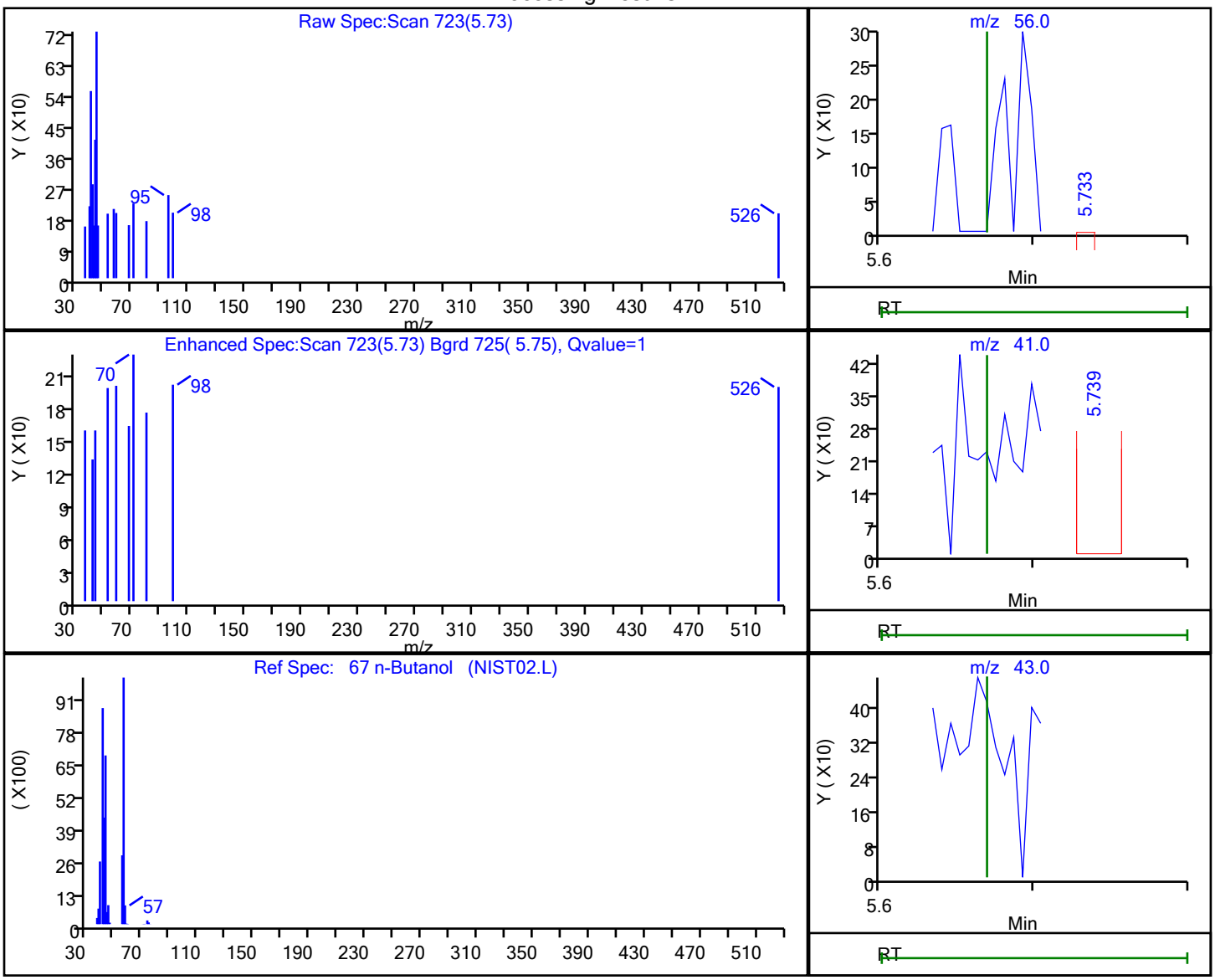
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D				
Injection Date:	01-Mar-2025 15:41:30	Instrument ID:	CVOAMS1		
Lims ID:	STD8				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	40
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
5.73	56.00	72	4.623972
5.74	41.00	466	
5.73	43.00	1572	

Reviewer: NN6A, 02-Mar-2025 20:27:30 -05:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

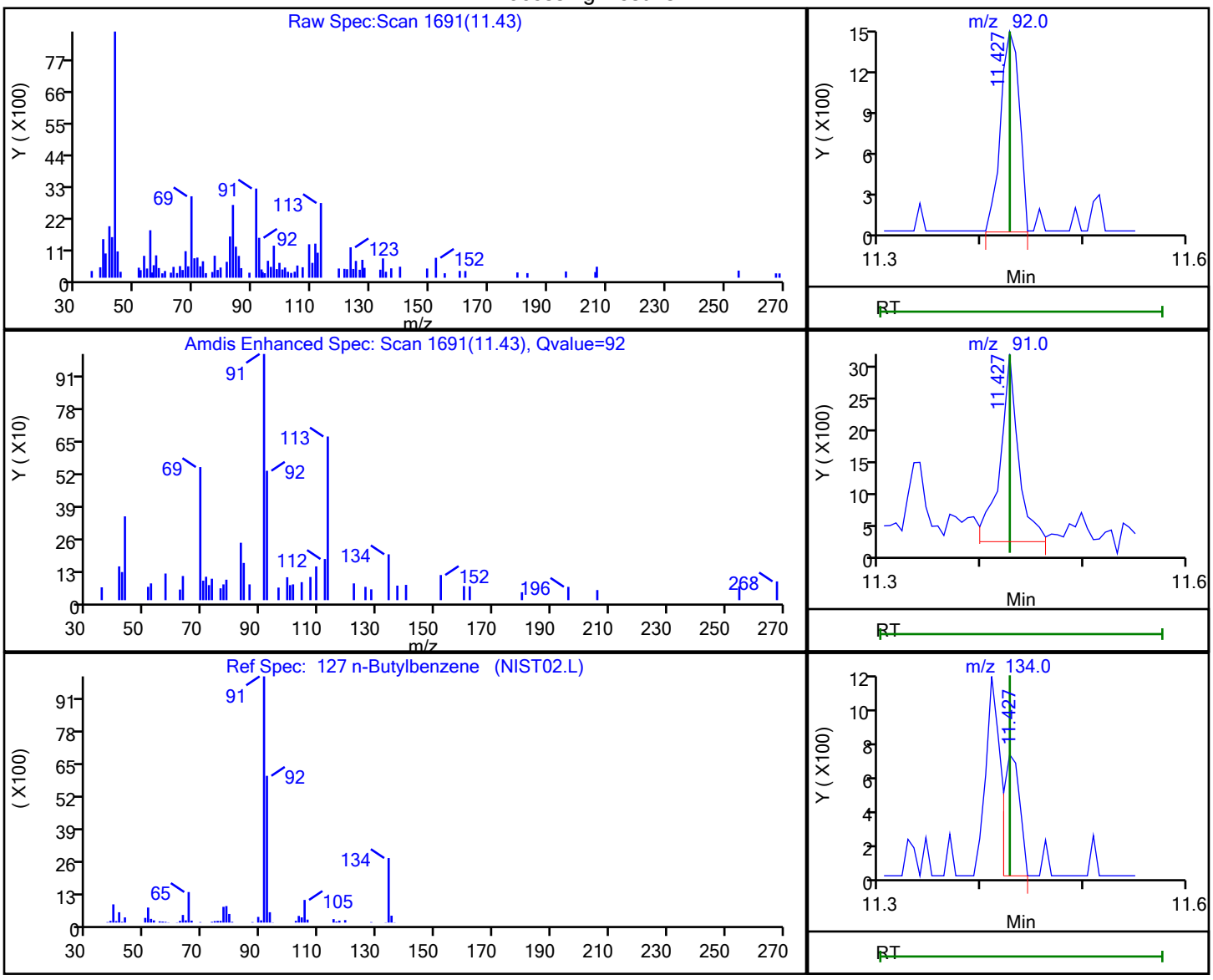
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
11.43	92.00	1795	0.008698
11.43	91.00	3650	
11.43	134.00	742	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

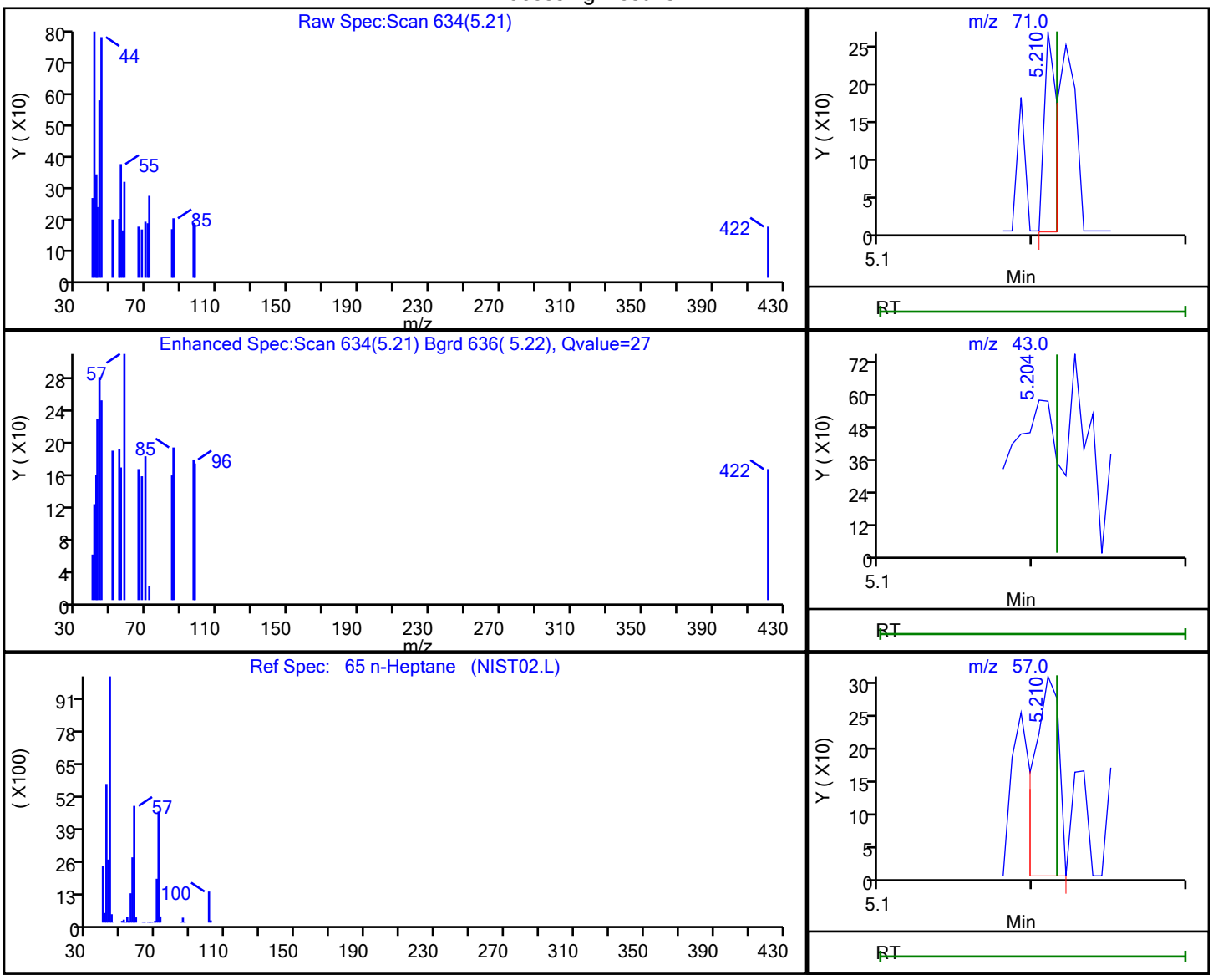
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.21	71.00	152	0.106129
5.20	43.00	1318	
5.21	57.00	340	

Reviewer: NN6A, 02-Mar-2025 20:27:29 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

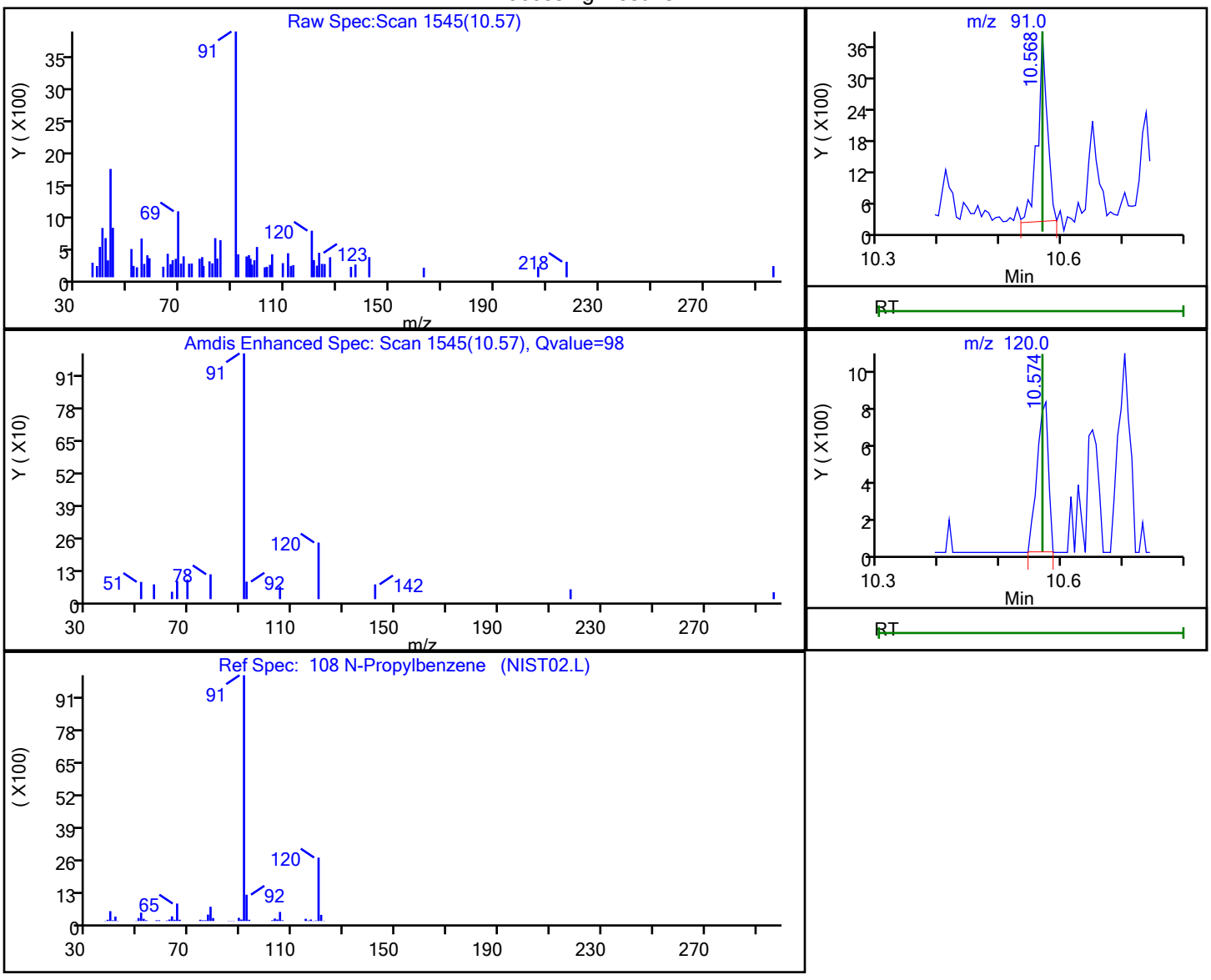
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
10.57	91.00	4071	0.007792
10.57	120.00	1004	

Reviewer: NN6A, 02-Mar-2025 20:28:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

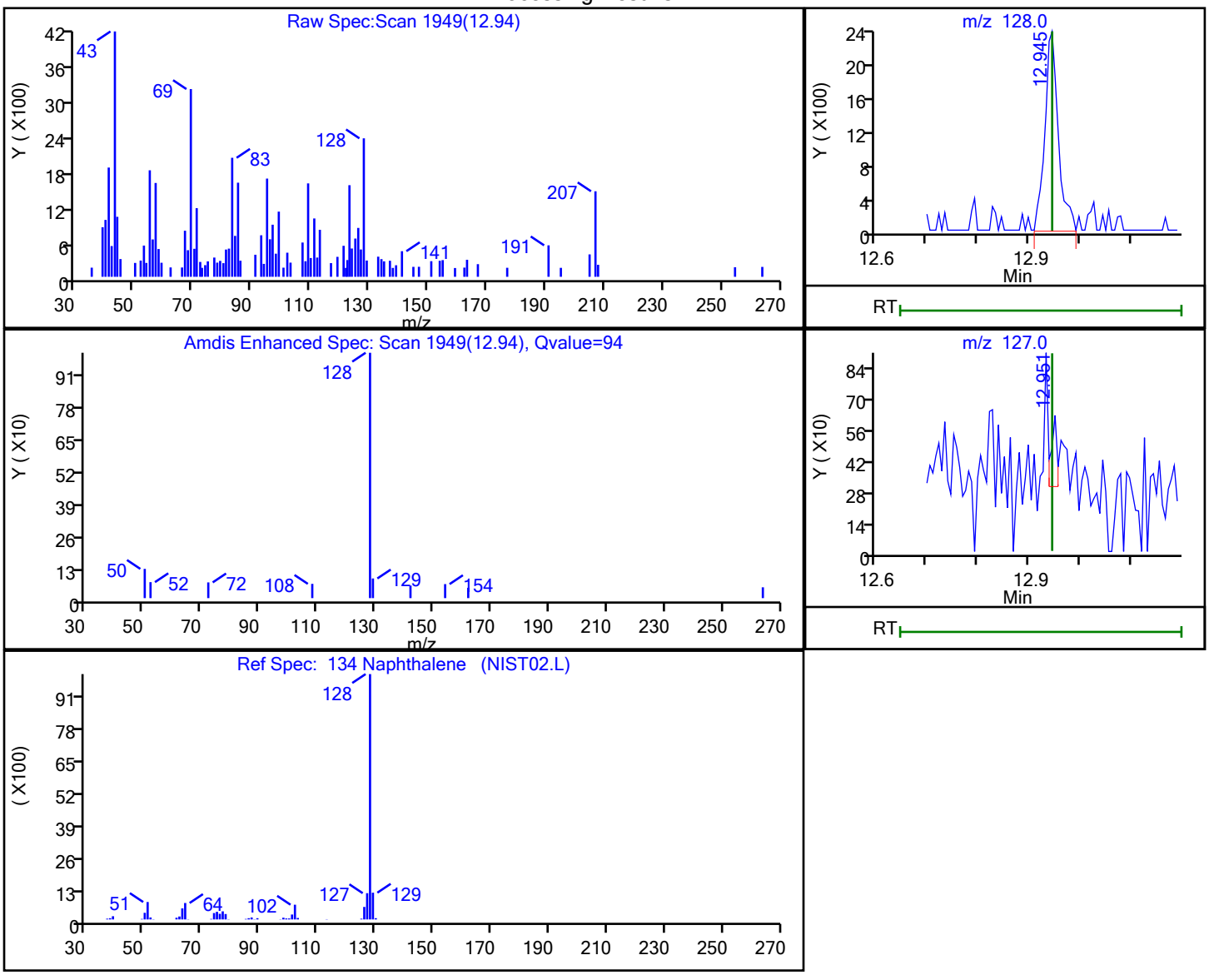
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
12.94	128.00	4352	0.016341
12.95	127.00	249	

Reviewer: NN6A, 02-Mar-2025 20:29:12 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

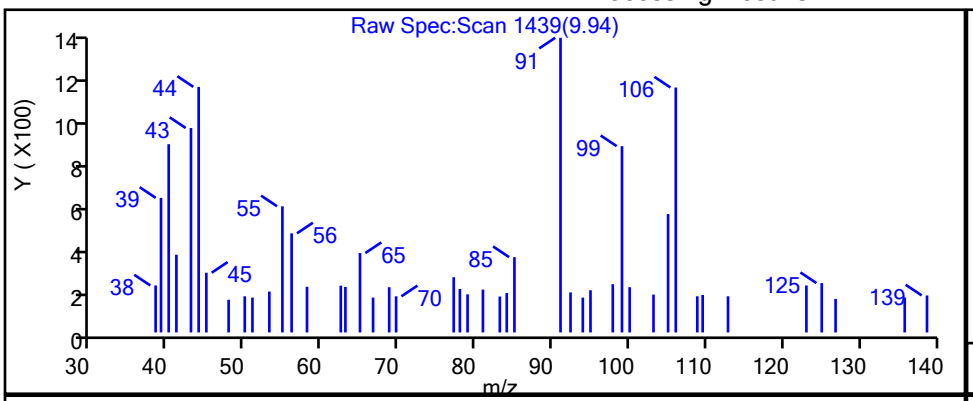
User Disabled Compound Report

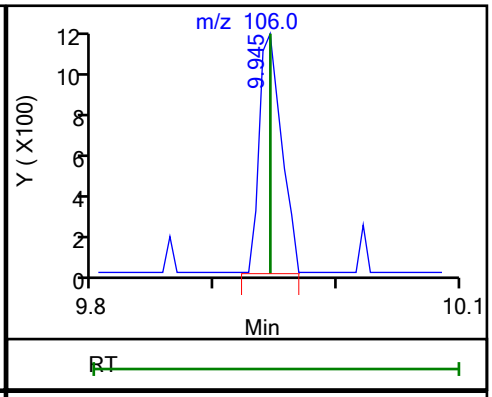
Eurofins Edison

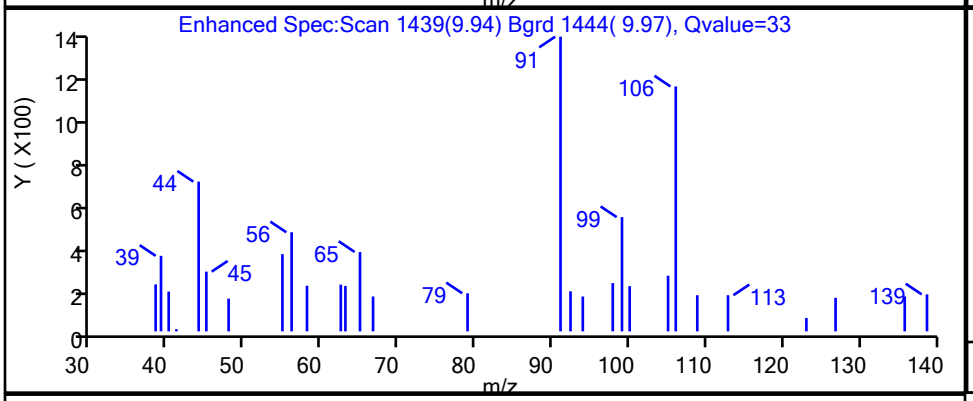
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

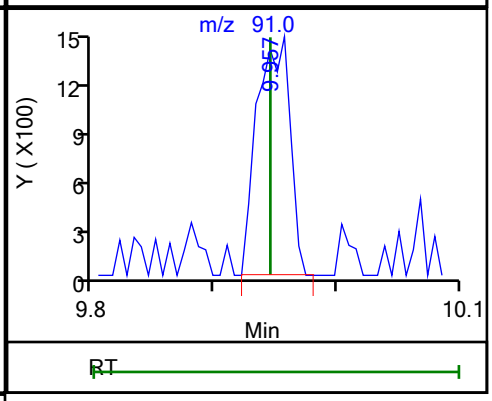
100 o-Xylene, CAS: 95-47-6

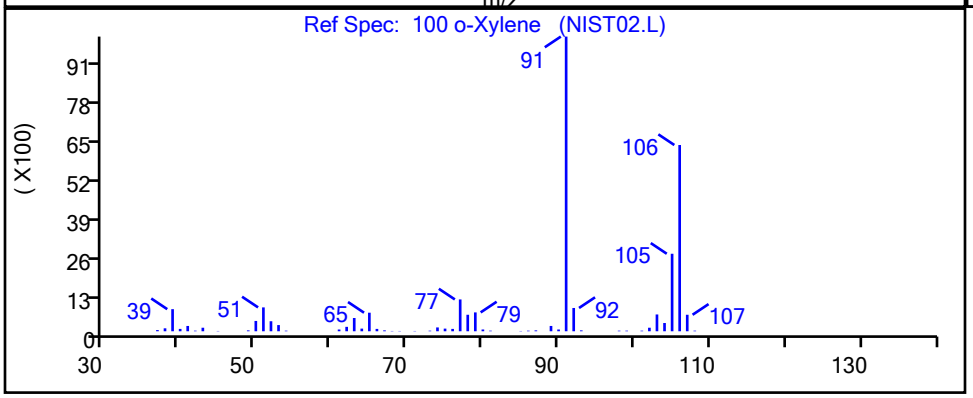
Processing Results











RT	Mass	Response	Amount
9.94	106.00	1429	0.262656
9.96	91.00	2687	

Reviewer: NN6A, 02-Mar-2025 20:28:27 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

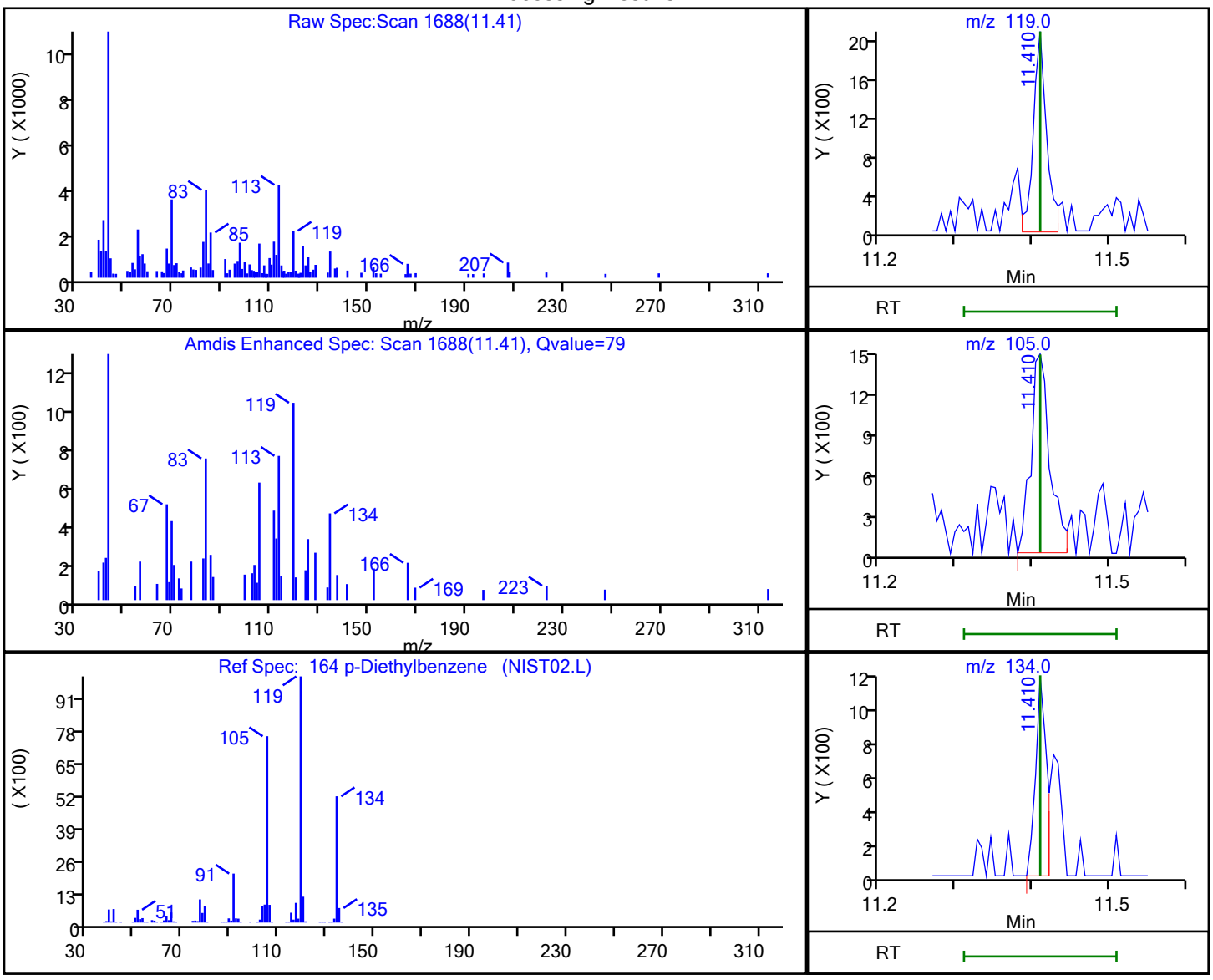
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

164 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
11.41	119.00	2433	
11.41	105.00	2545	
11.41	134.00	1120	

Reviewer: NN6A, 02-Mar-2025 20:29:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

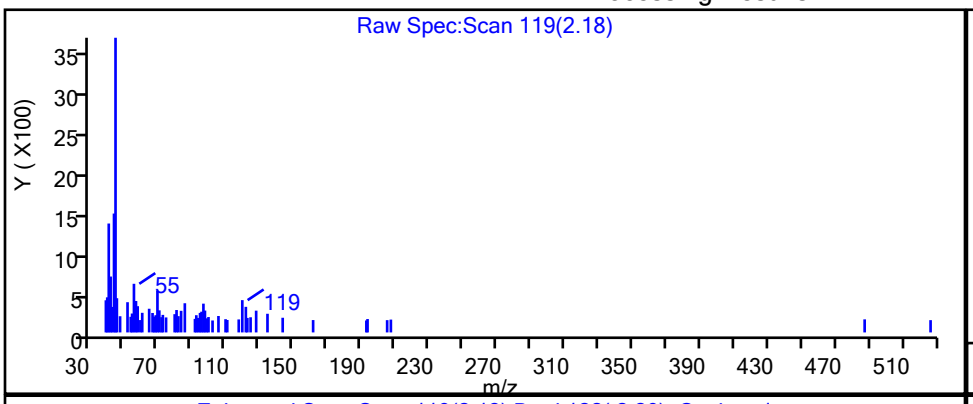
User Disabled Compound Report

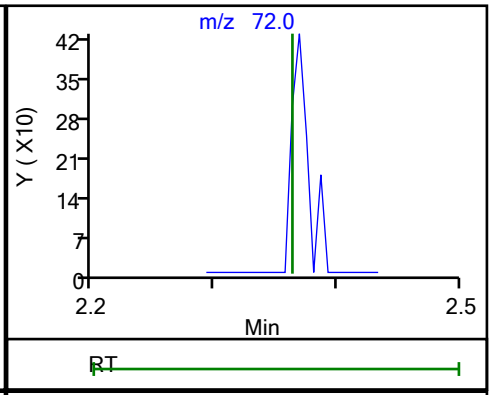
Eurofins Edison

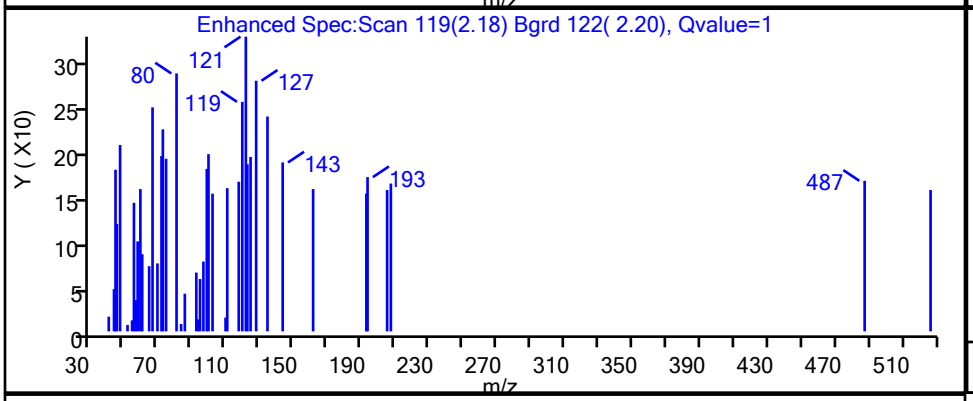
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

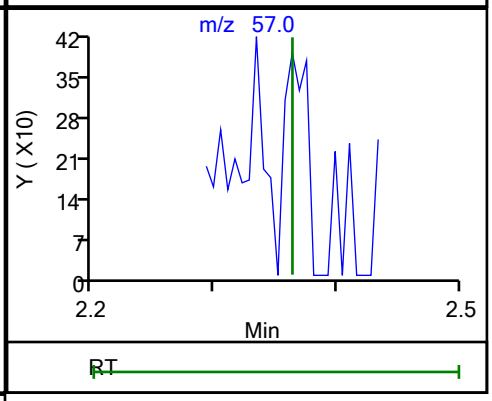
13 Pentane, CAS: 109-66-0

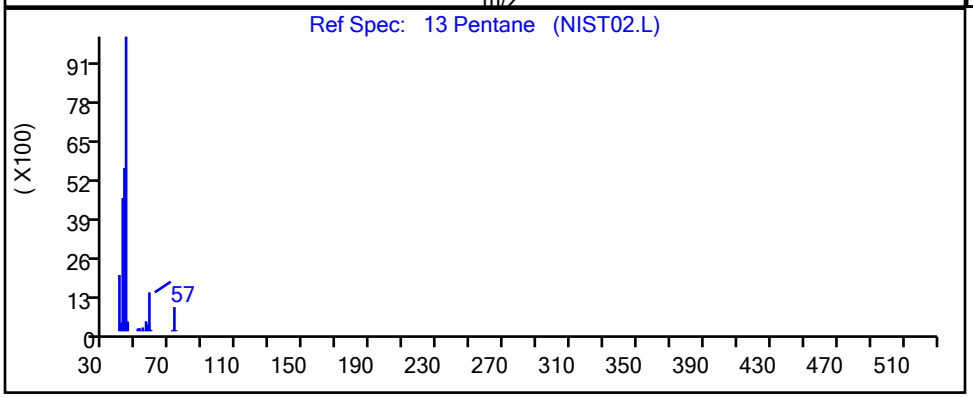
Processing Results











RT	Mass	Response	Amount
2.18	72.00	78	0.396597
2.17	57.00	1462	

Reviewer: NN6A, 02-Mar-2025 20:26:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

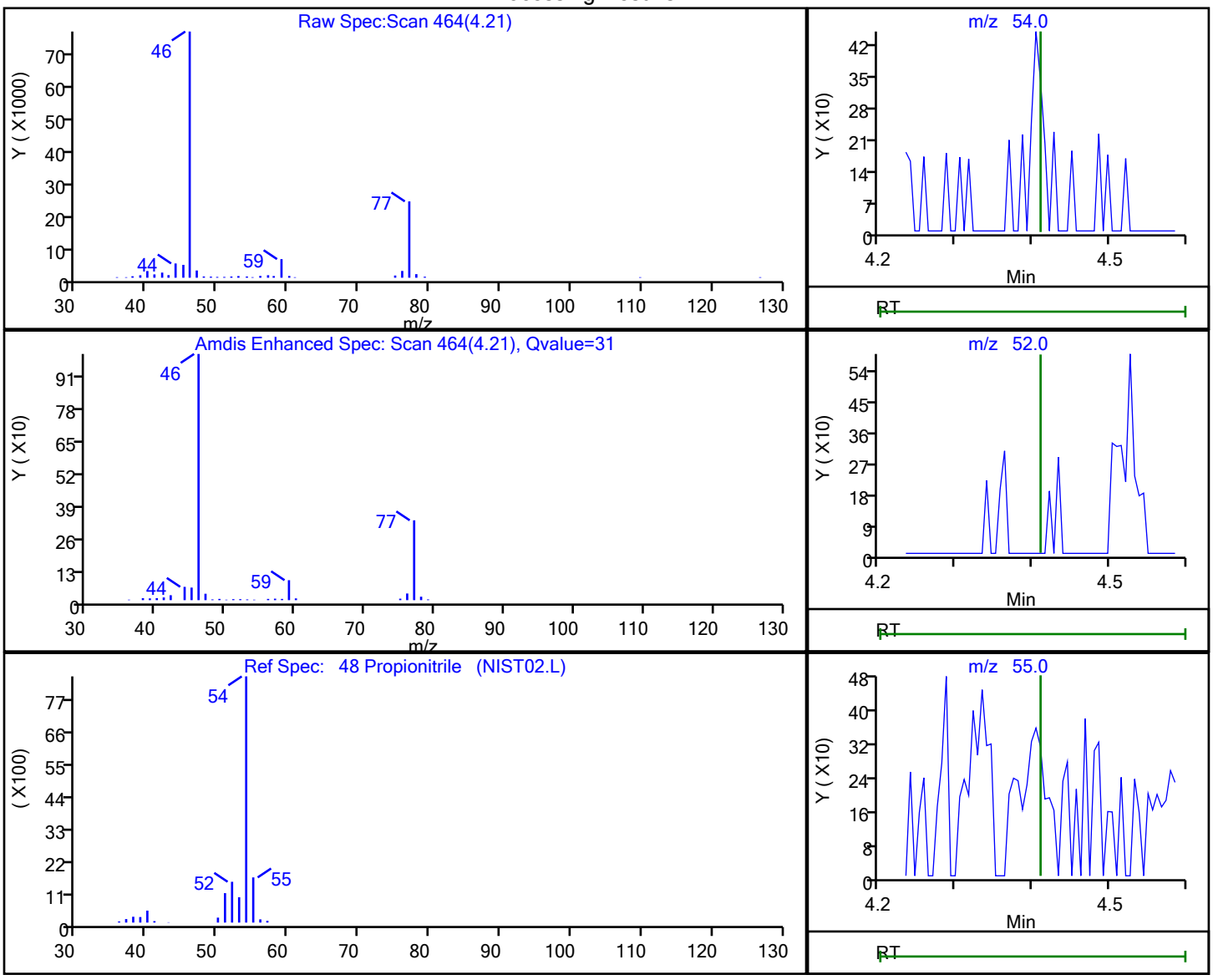
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.21	54.00	627	
4.20	52.00	1084	
4.20	55.00	830	

Reviewer: NN6A, 02-Mar-2025 20:27:15 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

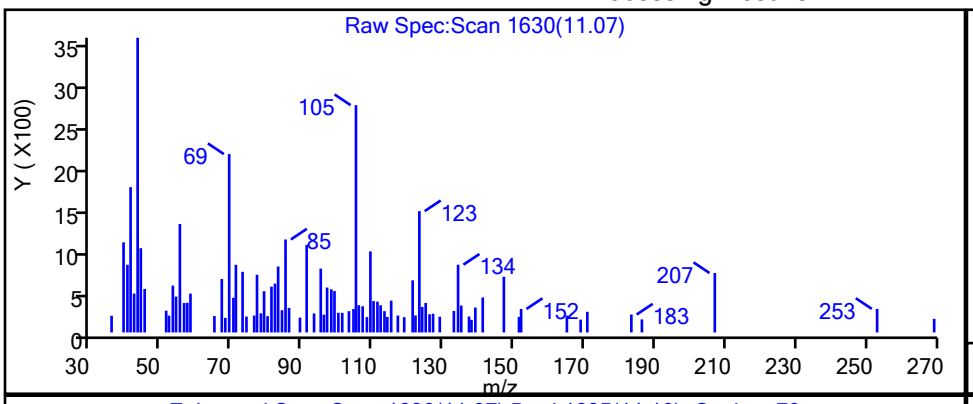
User Disabled Compound Report

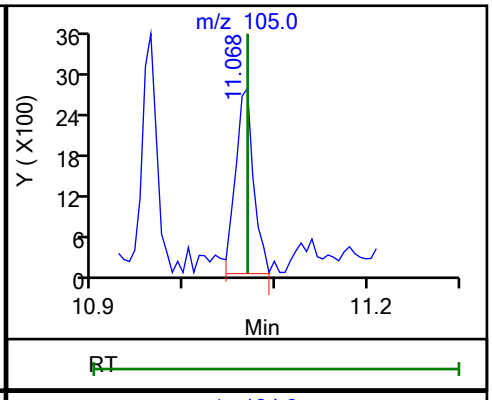
Eurofins Edison

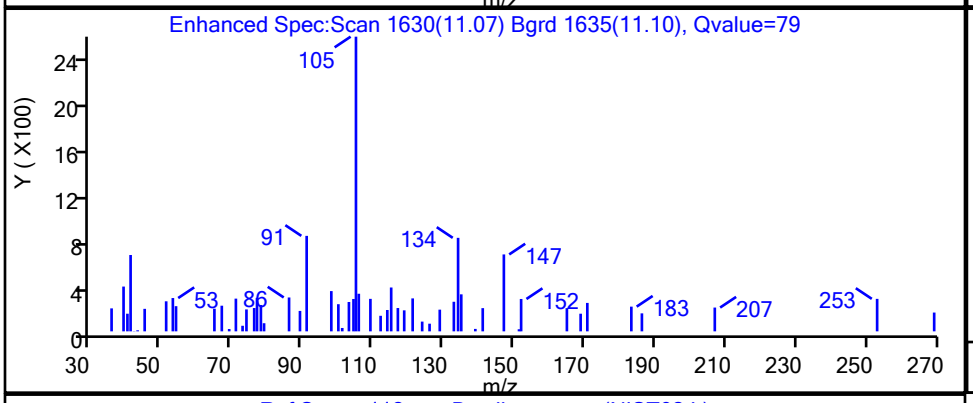
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

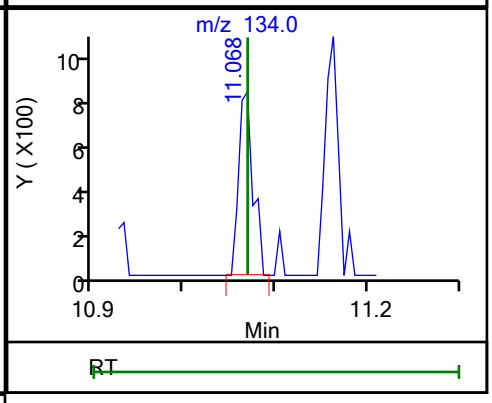
118 sec-Butylbenzene, CAS: 135-98-8

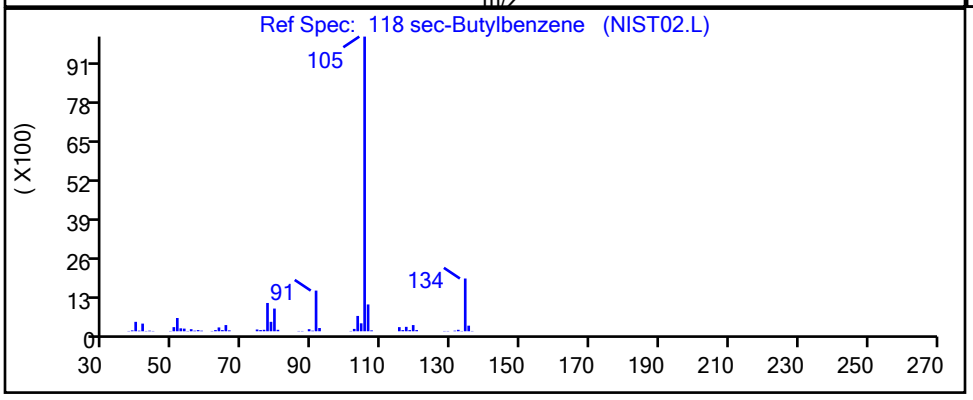
Processing Results











RT	Mass	Response	Amount
11.07	105.00	3685	
11.07	134.00	885	0.008635

Reviewer: NN6A, 02-Mar-2025 20:28:48 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

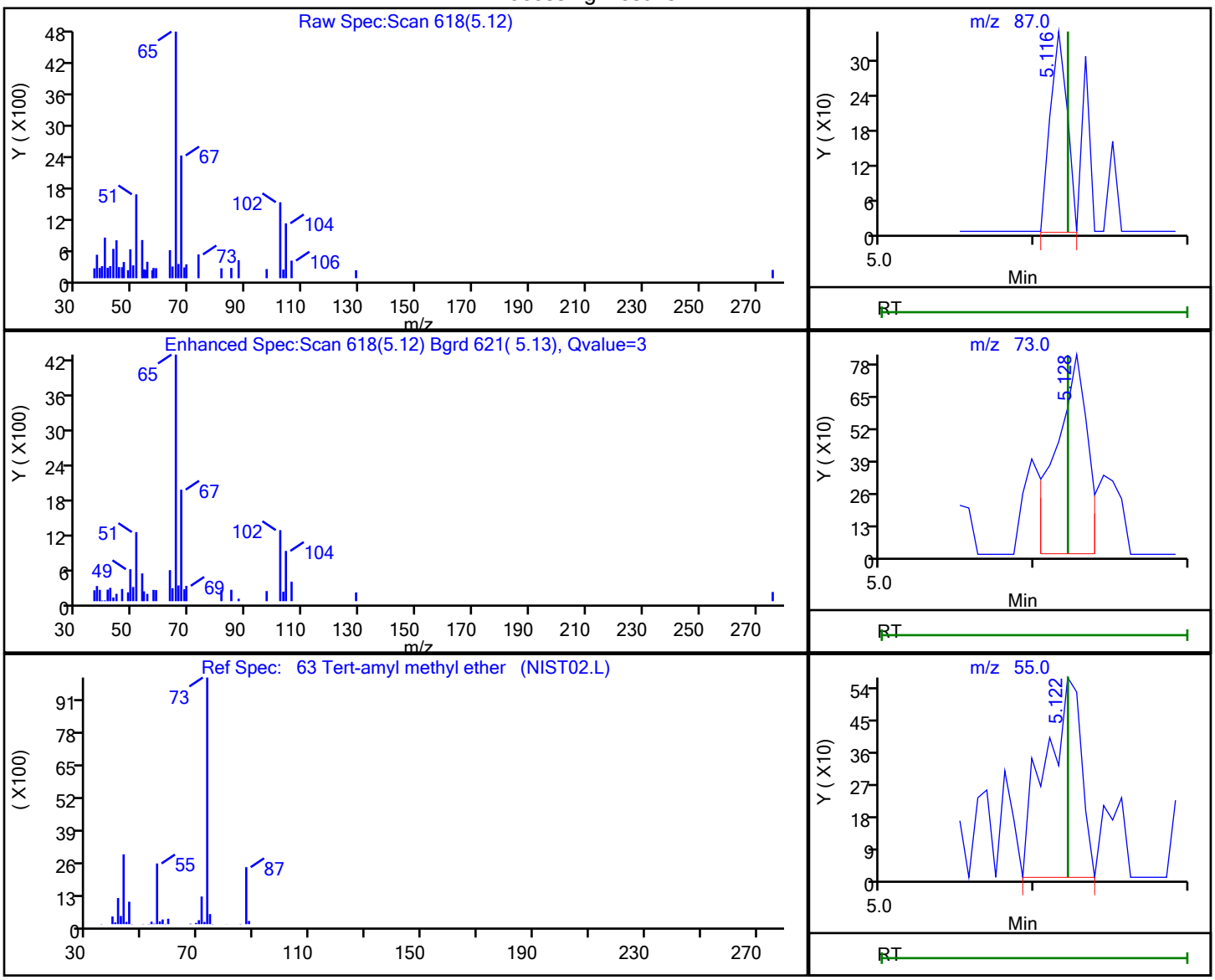
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
5.12	87.00	264	
5.13	73.00	1174	
5.12	55.00	911	

Reviewer: NN6A, 02-Mar-2025 20:27:29 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

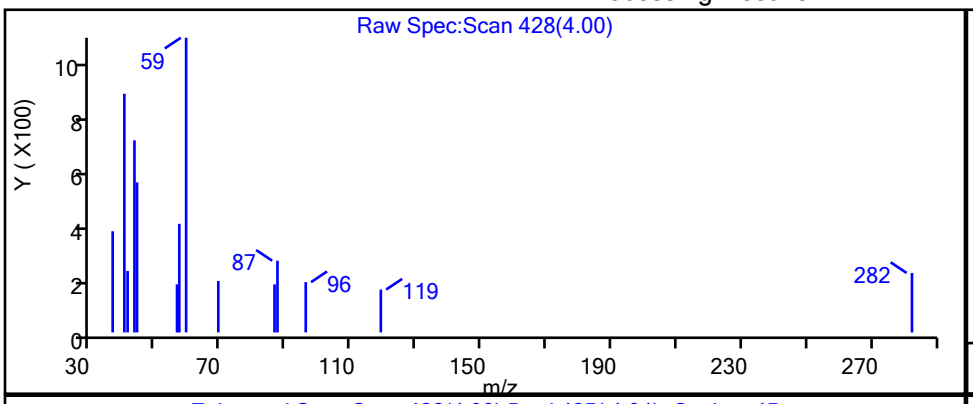
User Disabled Compound Report

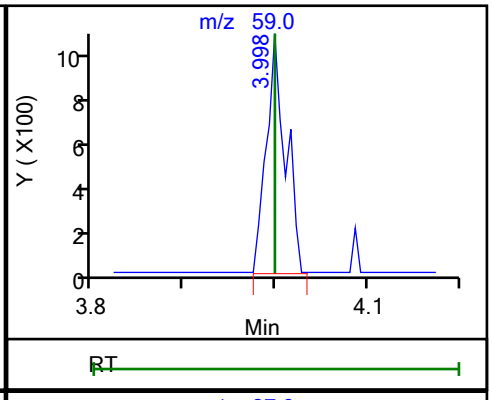
Eurofins Edison

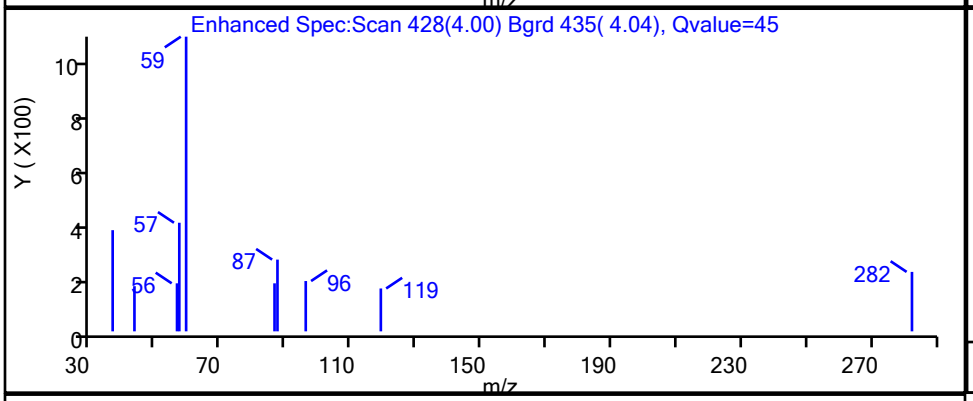
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

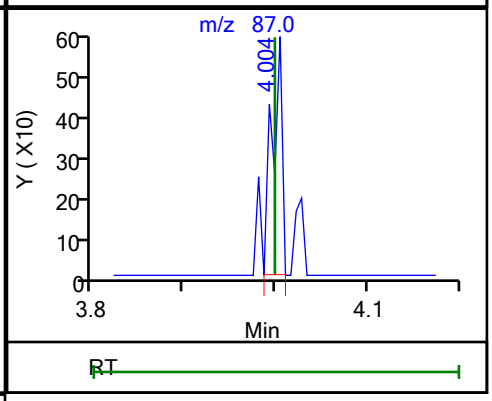
41 Tert-butyl ethyl ether, CAS: 637-92-3

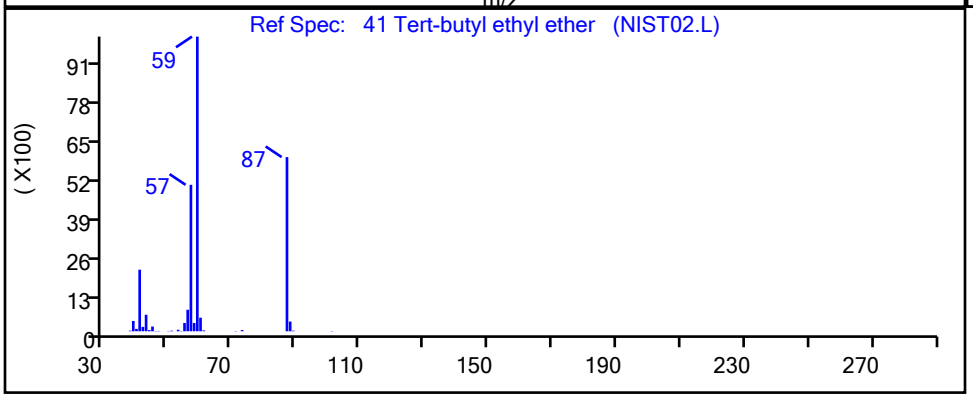
Processing Results











RT	Mass	Response	Amount
4.00	59.00	1498	
4.00	87.00	447	

Reviewer: NN6A, 02-Mar-2025 20:27:06 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

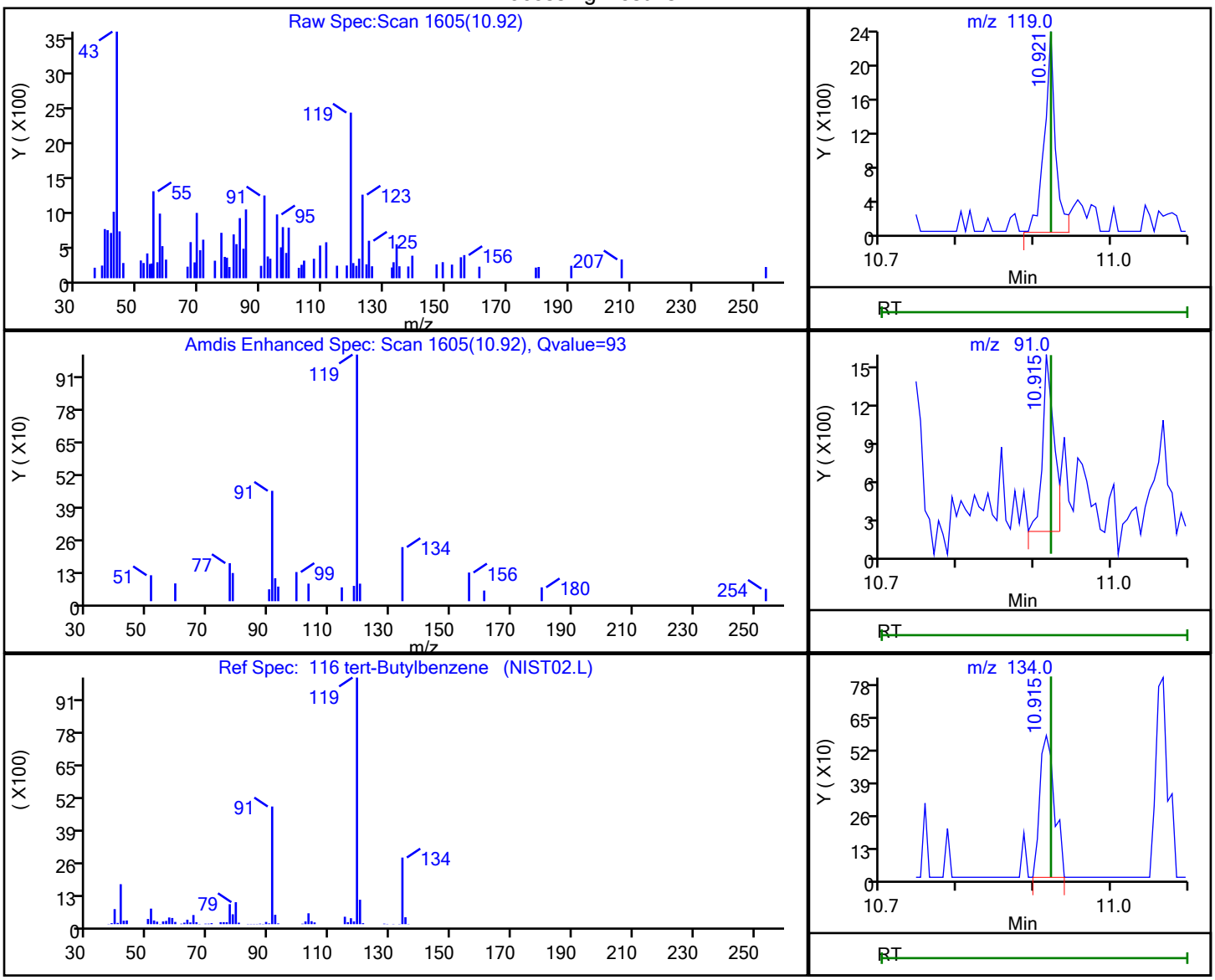
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
10.92	119.00	2366	0.006974
10.92	91.00	1414	
10.92	134.00	758	

Reviewer: NN6A, 02-Mar-2025 20:28:47 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

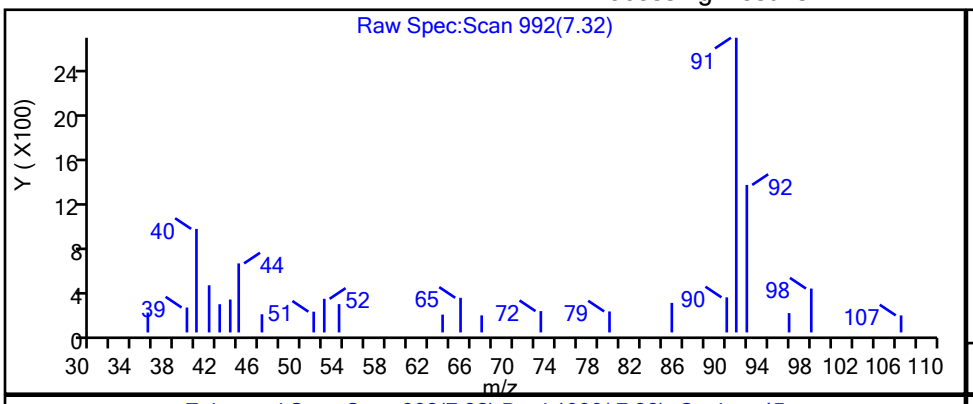
User Disabled Compound Report

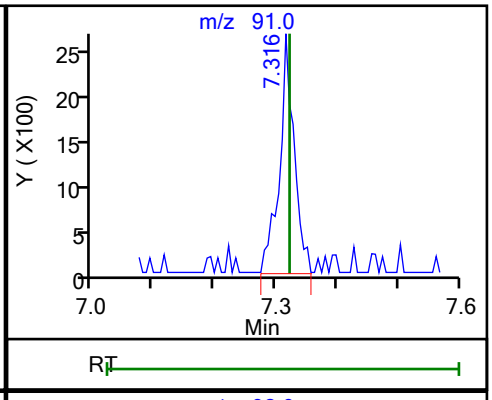
Eurofins Edison

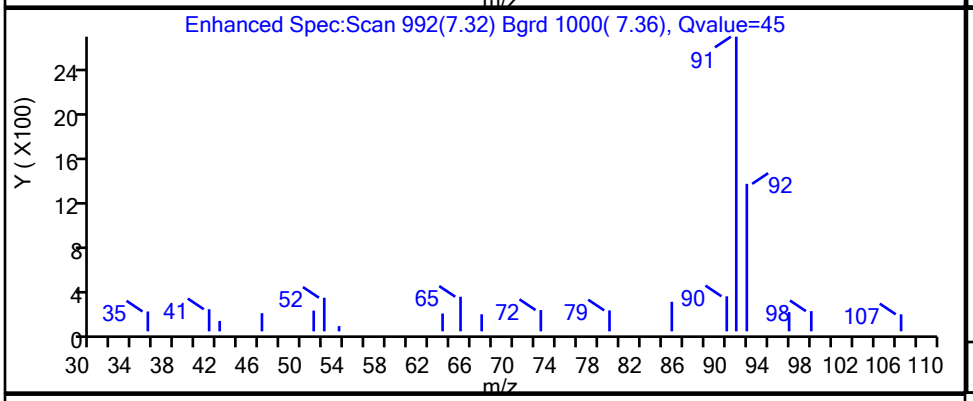
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

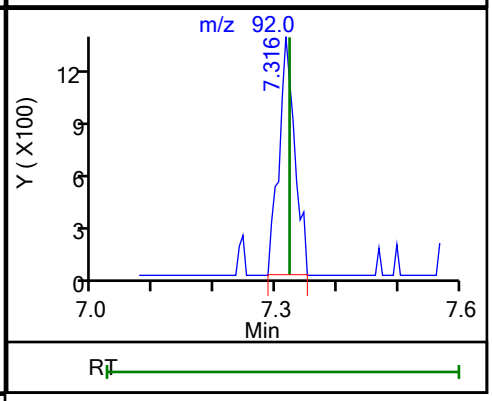
84 Toluene, CAS: 108-88-3

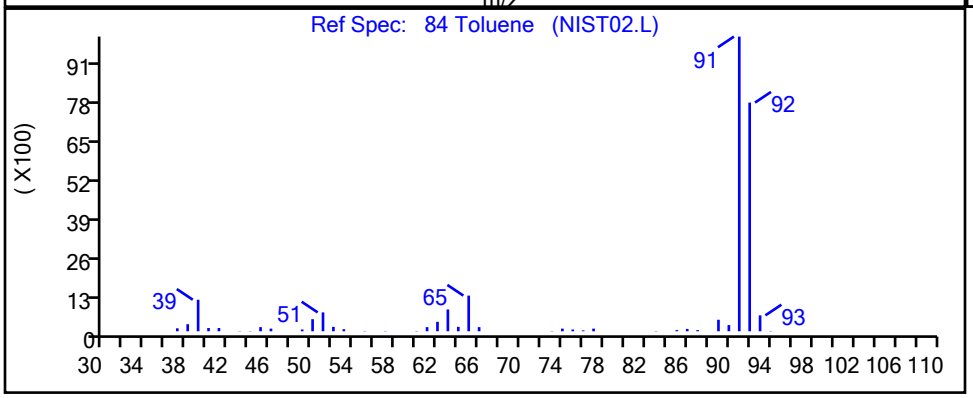
Processing Results











RT	Mass	Response	Amount
7.32	91.00	4331	0.199978
7.32	92.00	2353	

Reviewer: NN6A, 02-Mar-2025 20:27:55 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

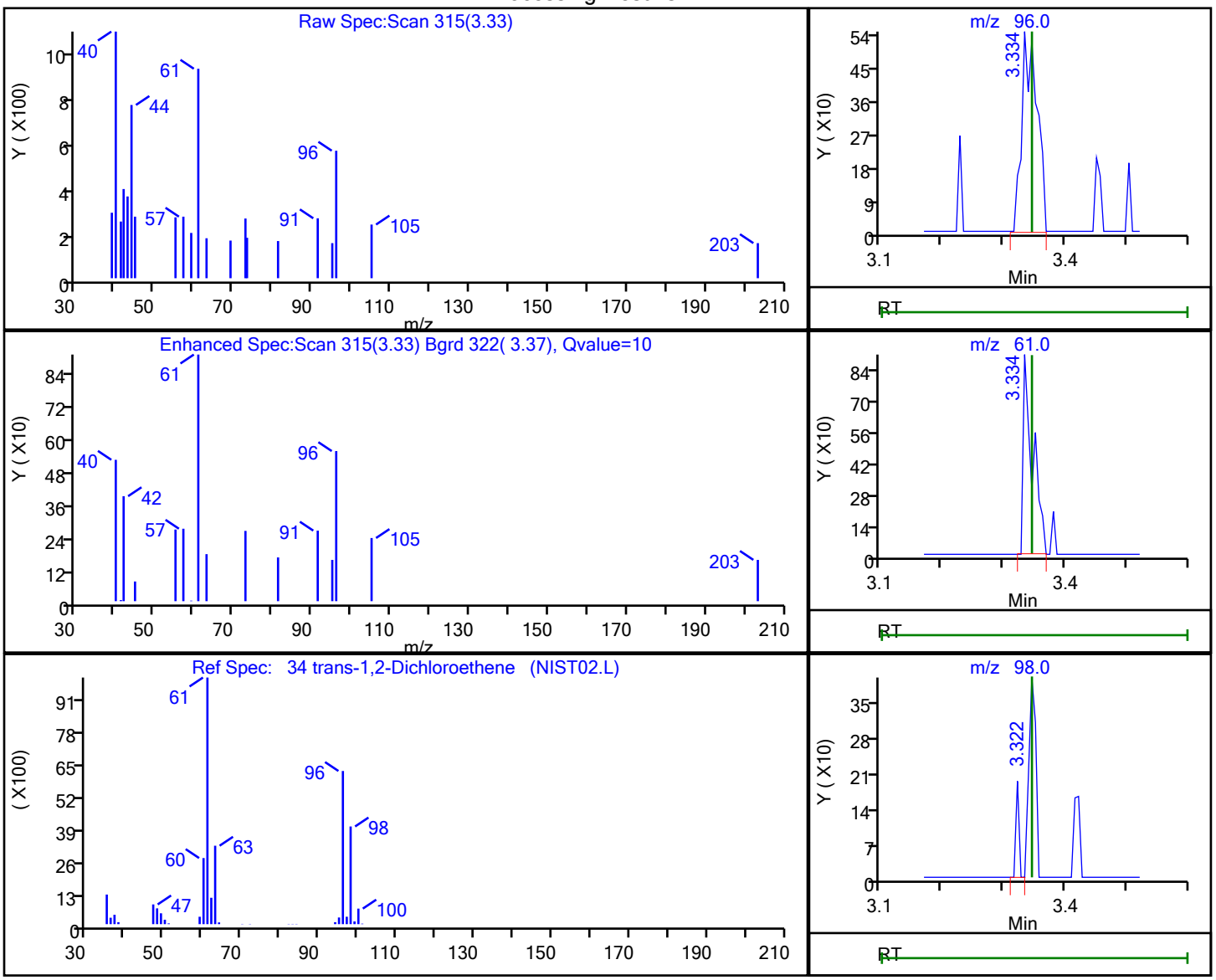
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
3.33	96.00	951	0.280181
3.33	61.00	973	
3.32	98.00	67	

Reviewer: NN6A, 02-Mar-2025 20:26:57 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

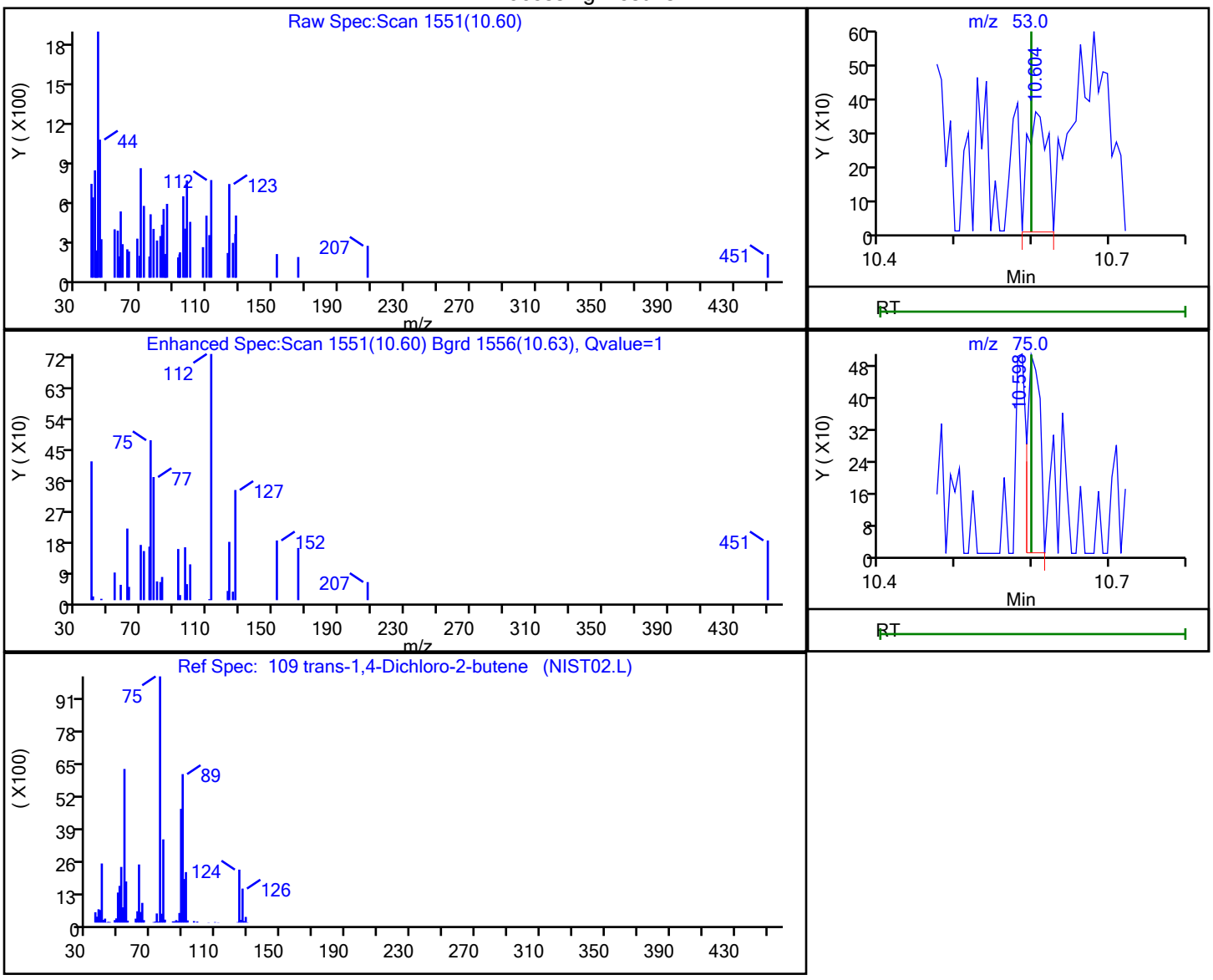
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22879.D
Injection Date: 01-Mar-2025 15:41:30 Instrument ID: CVOAMS1
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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

Processing Results



RT	Mass	Response	Amount
10.60	53.00	630	
10.60	75.00	583	

Reviewer: NN6A, 02-Mar-2025 20:28:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / Chlorotrifluoroethene

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

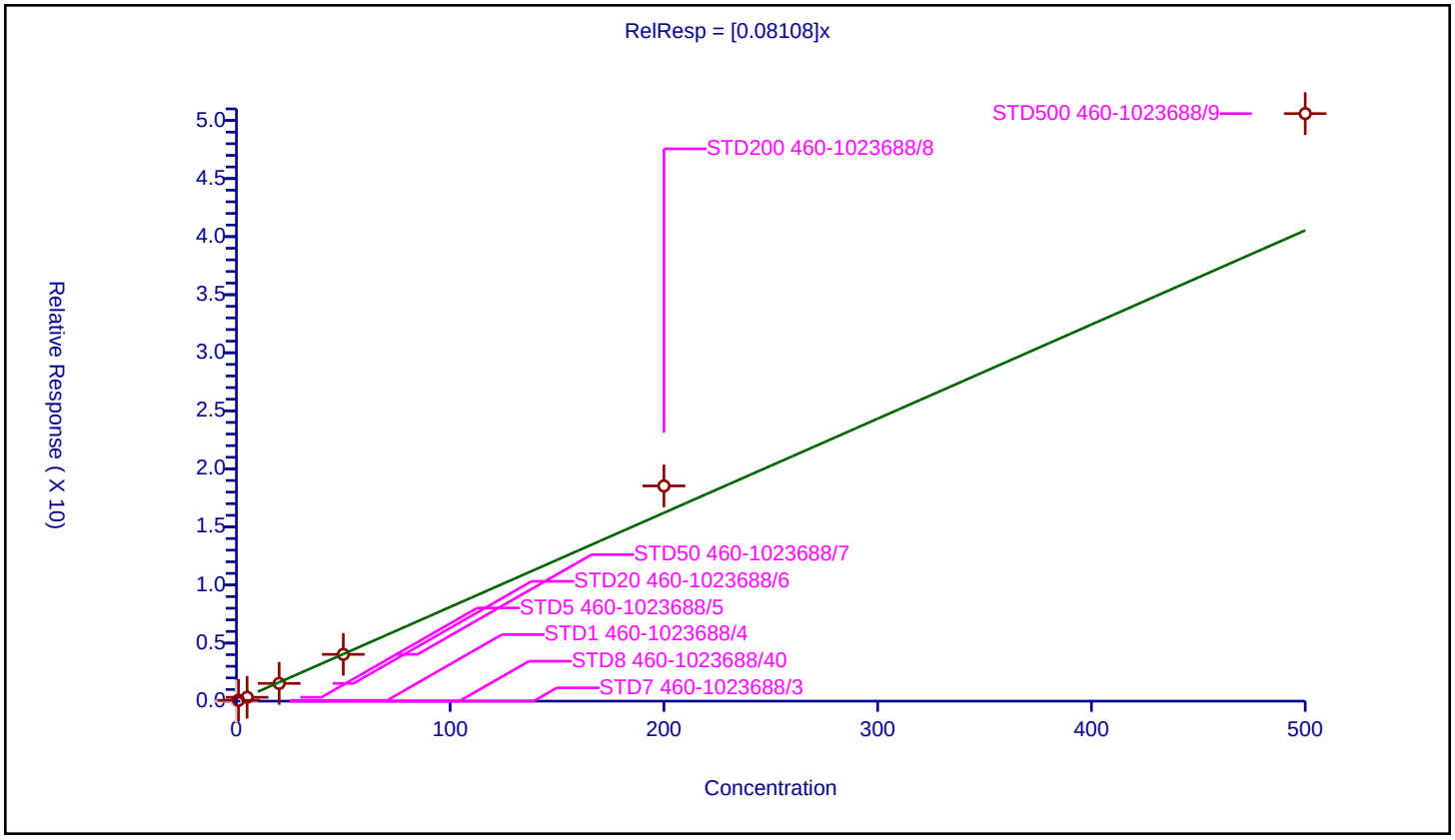
Curve Coefficients

Intercept:	0
Slope:	0.08108

Error Coefficients

Relative Standard Deviation:	16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
3	STD1 460-1023688/4	1.0	0.069424	50.0	517832.0	0.069424	Y
4	STD5 460-1023688/5	5.0	0.331742	50.0	502499.0	0.066348	Y
5	STD20 460-1023688/6	20.0	1.525728	50.0	510543.0	0.076286	Y
6	STD50 460-1023688/7	50.0	4.027592	50.0	518548.0	0.080552	Y
7	STD200 460-1023688/8	200.0	18.531896	50.0	516210.0	0.092659	Y
8	STD500 460-1023688/9	500.0	50.593869	50.0	530841.0	0.101188	Y



Calibration / Dichlorodifluoromethane

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

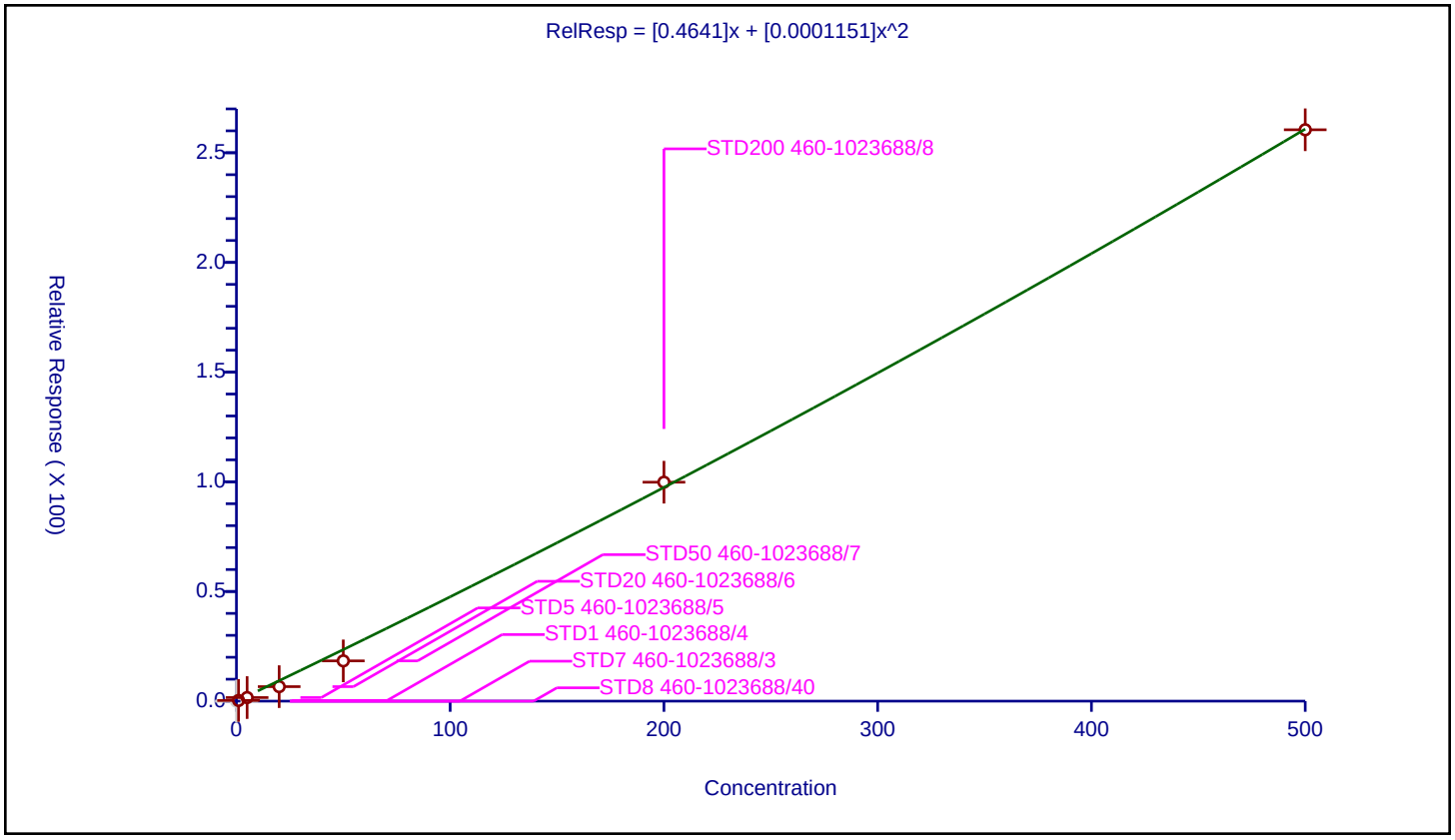
Curve Coefficients

Intercept:	0
Slope:	0.4641
Second Order:	0.0001151

Error Coefficients

Relative Standard Deviation:	28.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.307532	50.0	517832.0	0.307532	Y
4	STD5 460-1023688/5	5.0	1.63473	50.0	502499.0	0.326946	Y
5	STD20 460-1023688/6	20.0	6.60816	50.0	510543.0	0.330408	Y
6	STD50 460-1023688/7	50.0	18.353942	50.0	518548.0	0.367079	Y
7	STD200 460-1023688/8	200.0	99.813351	50.0	516210.0	0.499067	Y
8	STD500 460-1023688/9	500.0	260.484778	50.0	530841.0	0.52097	Y



Calibration / Chlorodifluoromethane

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

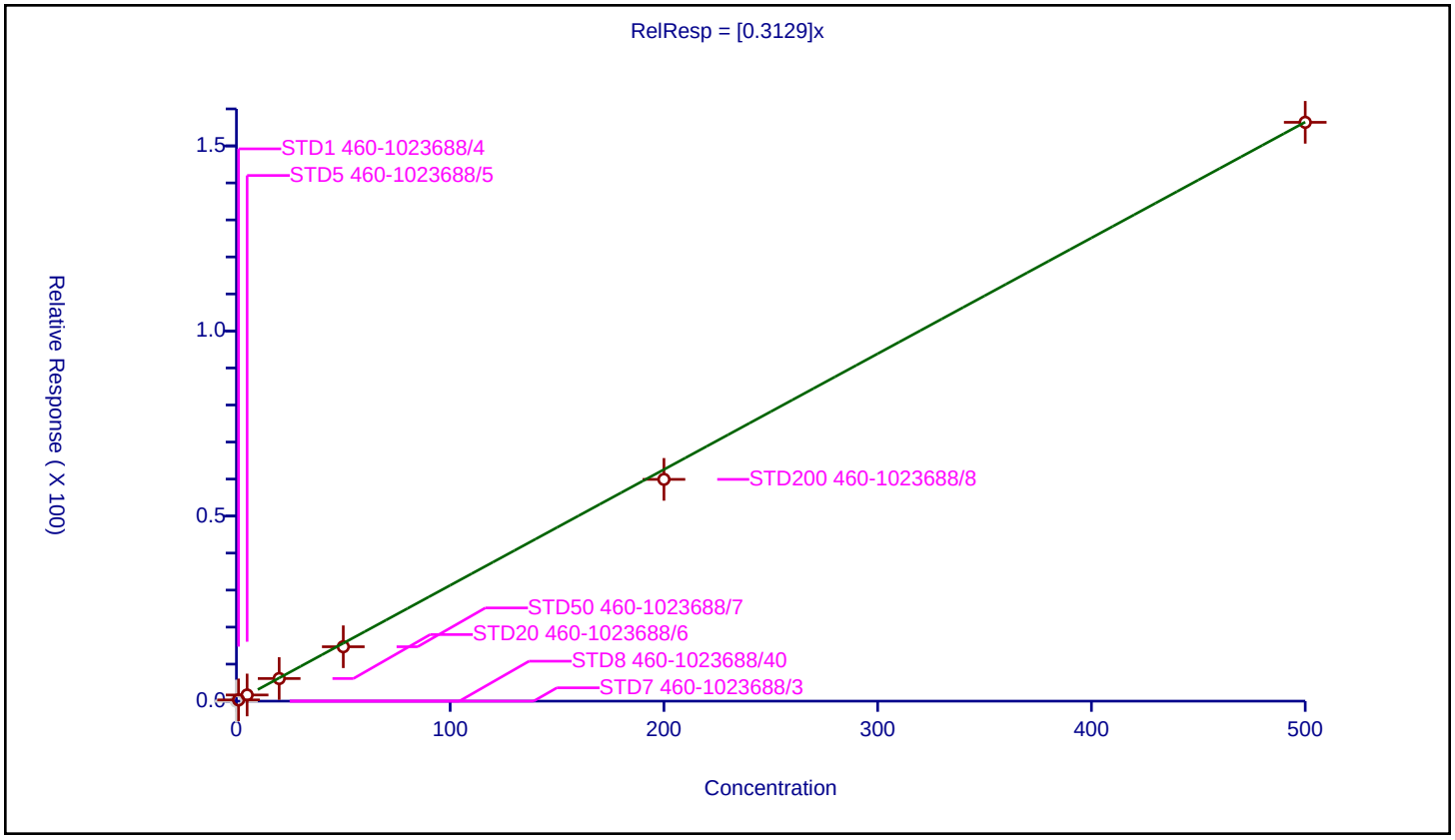
Curve Coefficients

Intercept:	0
Slope:	0.3129

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
3	STD1 460-1023688/4	1.0	0.332154	50.0	517832.0	0.332154	Y
4	STD5 460-1023688/5	5.0	1.667765	50.0	502499.0	0.333553	Y
5	STD20 460-1023688/6	20.0	6.10546	50.0	510543.0	0.305273	Y
6	STD50 460-1023688/7	50.0	14.697097	50.0	518548.0	0.293942	Y
7	STD200 460-1023688/8	200.0	59.912536	50.0	516210.0	0.299563	Y
8	STD500 460-1023688/9	500.0	156.373377	50.0	530841.0	0.312747	Y



Calibration / Chloromethane

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

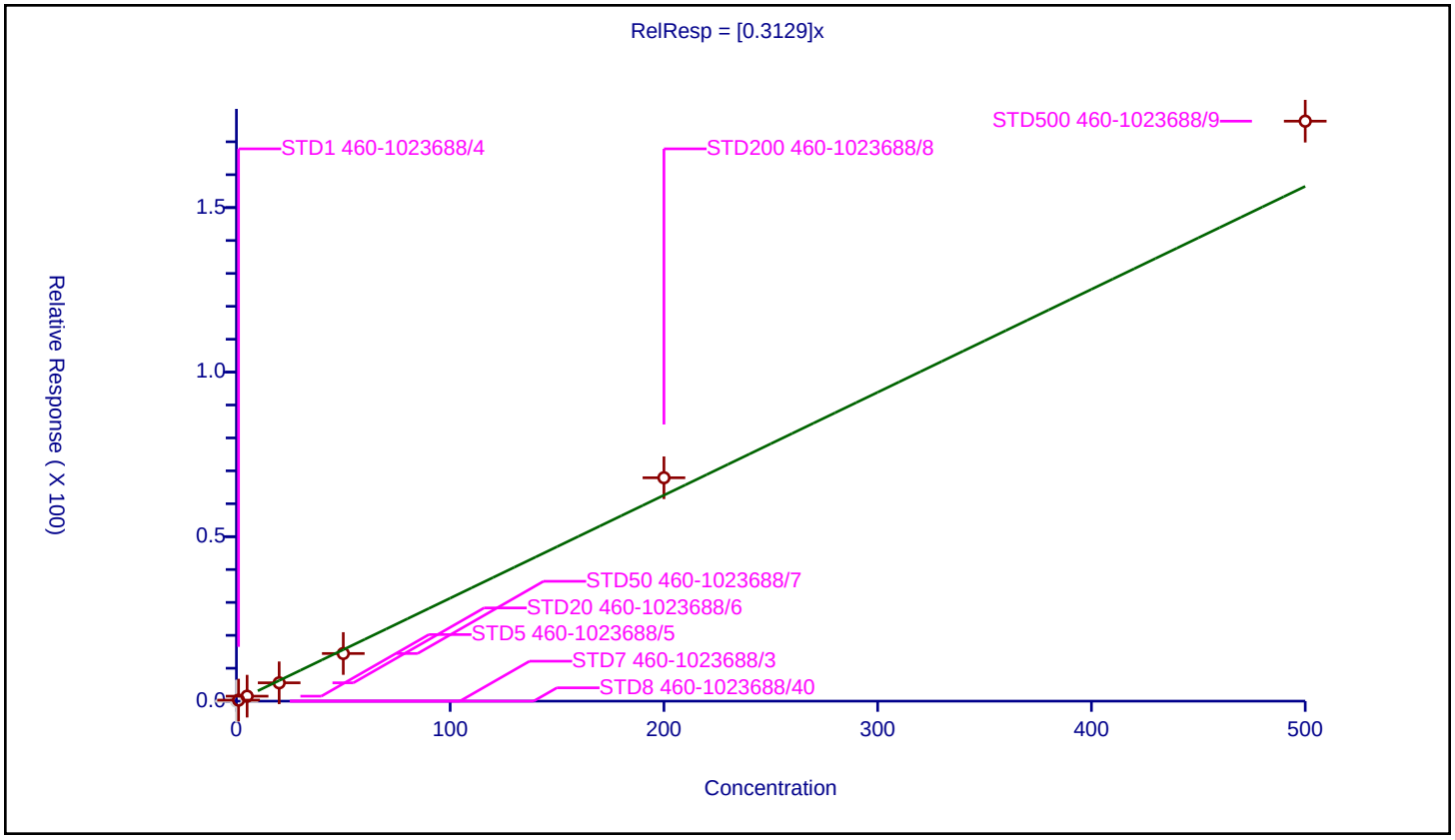
Curve Coefficients

Intercept:	0
Slope:	0.3129

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.31545	50.0	517832.0	0.31545	Y
4	STD5 460-1023688/5	5.0	1.510252	50.0	502499.0	0.30205	Y
5	STD20 460-1023688/6	20.0	5.569169	50.0	510543.0	0.278458	Y
6	STD50 460-1023688/7	50.0	14.477445	50.0	518548.0	0.289549	Y
7	STD200 460-1023688/8	200.0	67.892621	50.0	516210.0	0.339463	Y
8	STD500 460-1023688/9	500.0	176.264362	50.0	530841.0	0.352529	Y



Calibration / Vinyl chloride

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

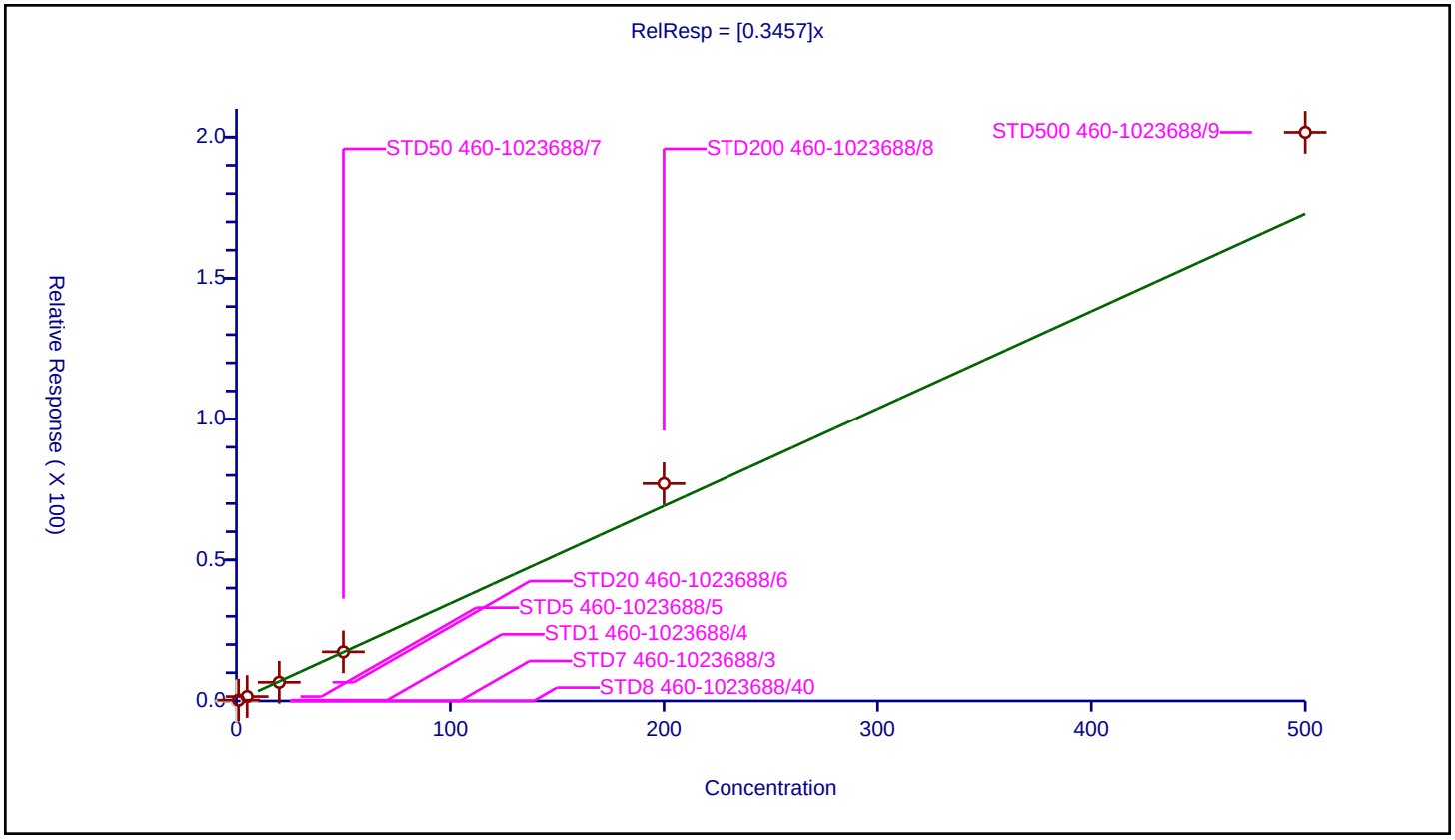
Curve Coefficients

Intercept:	0
Slope:	0.3457

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.294207	50.0	517832.0	0.294207	Y
4	STD5 460-1023688/5	5.0	1.563983	50.0	502499.0	0.312797	Y
5	STD20 460-1023688/6	20.0	6.611686	50.0	510543.0	0.330584	Y
6	STD50 460-1023688/7	50.0	17.392508	50.0	518548.0	0.34785	Y
7	STD200 460-1023688/8	200.0	77.076577	50.0	516210.0	0.385383	Y
8	STD500 460-1023688/9	500.0	201.687699	50.0	530841.0	0.403375	Y



Calibration / Butadiene

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

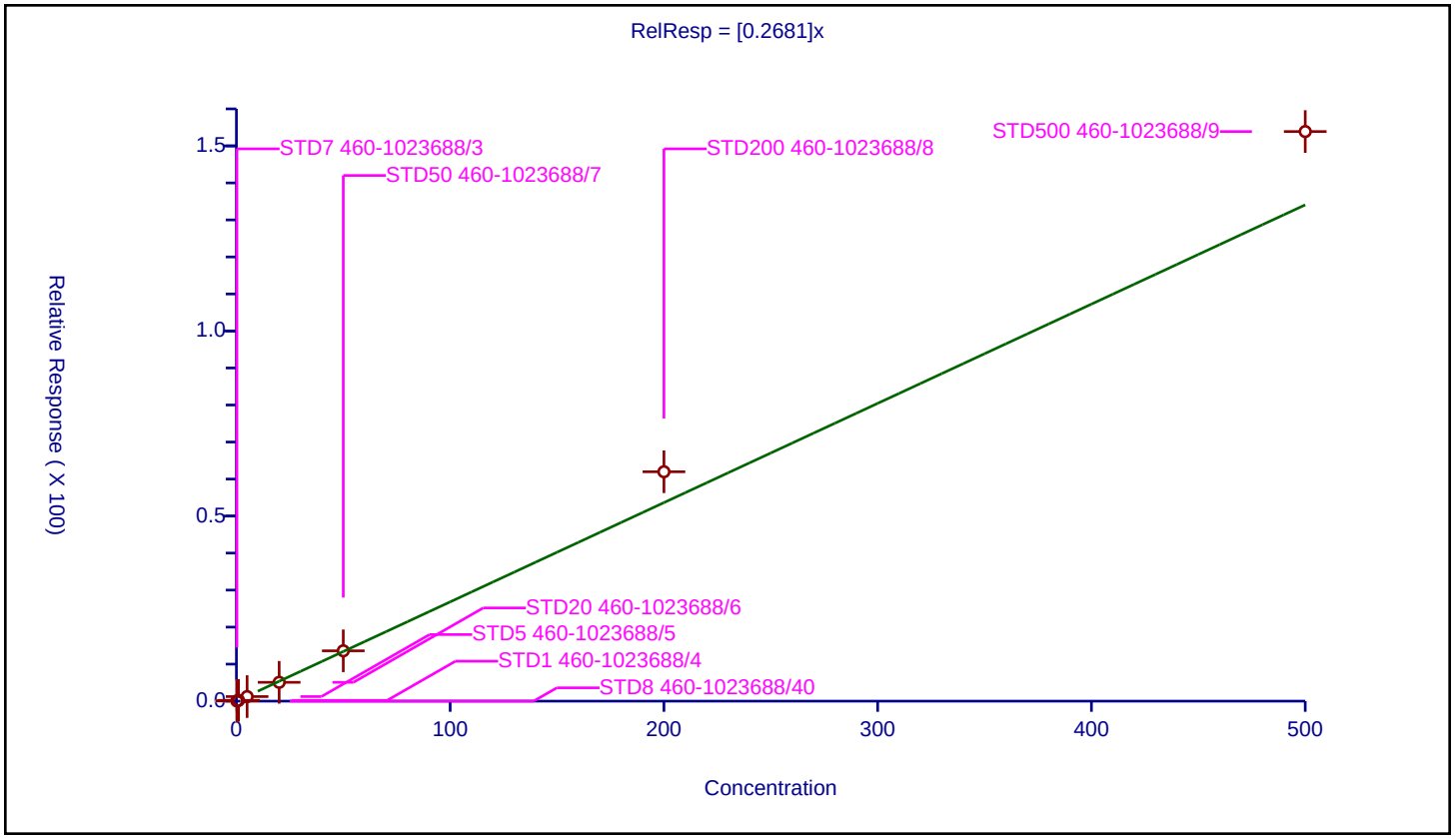
Curve Coefficients

Intercept:	0
Slope:	0.2681

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.069677	50.0	511649.0	0.278707	Y
3	STD1 460-1023688/4	1.0	0.207983	50.0	517832.0	0.207983	Y
4	STD5 460-1023688/5	5.0	1.233933	50.0	502499.0	0.246787	Y
5	STD20 460-1023688/6	20.0	5.081452	50.0	510543.0	0.254073	Y
6	STD50 460-1023688/7	50.0	13.594016	50.0	518548.0	0.27188	Y
7	STD200 460-1023688/8	200.0	61.971775	50.0	516210.0	0.309859	Y
8	STD500 460-1023688/9	500.0	153.878657	50.0	530841.0	0.307757	Y



Calibration / Bromomethane

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

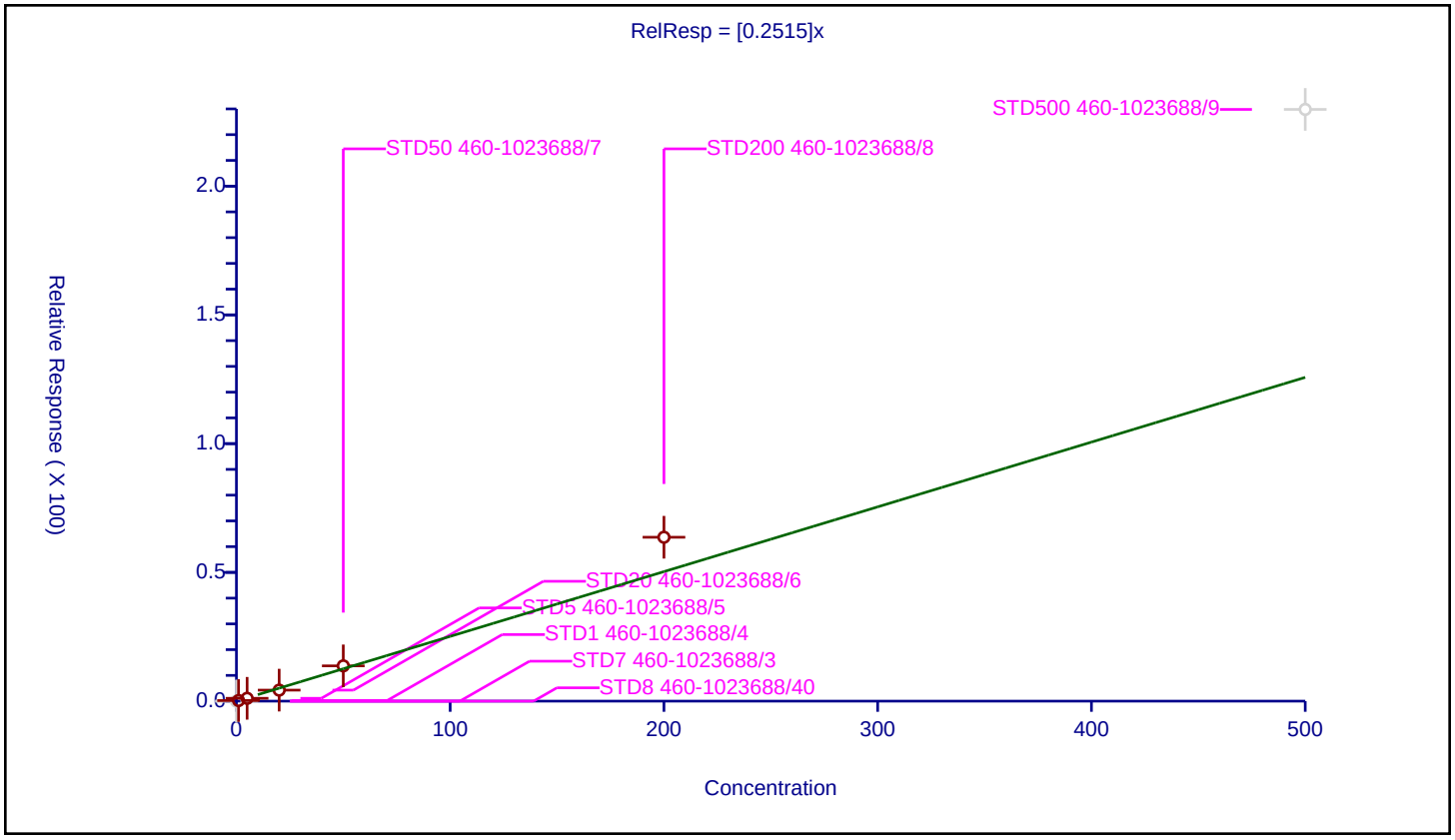
Curve Coefficients

Intercept:	0
Slope:	0.2515

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.232122	50.0	517832.0	0.232122	Y
4	STD5 460-1023688/5	5.0	1.097515	50.0	502499.0	0.219503	Y
5	STD20 460-1023688/6	20.0	4.273	50.0	510543.0	0.21365	Y
6	STD50 460-1023688/7	50.0	13.694586	50.0	518548.0	0.273892	Y
7	STD200 460-1023688/8	200.0	63.647837	50.0	516210.0	0.318239	Y
8	STD500 460-1023688/9	500.0	229.788392	50.0	530841.0	0.459577	N



Calibration / Chloroethane

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

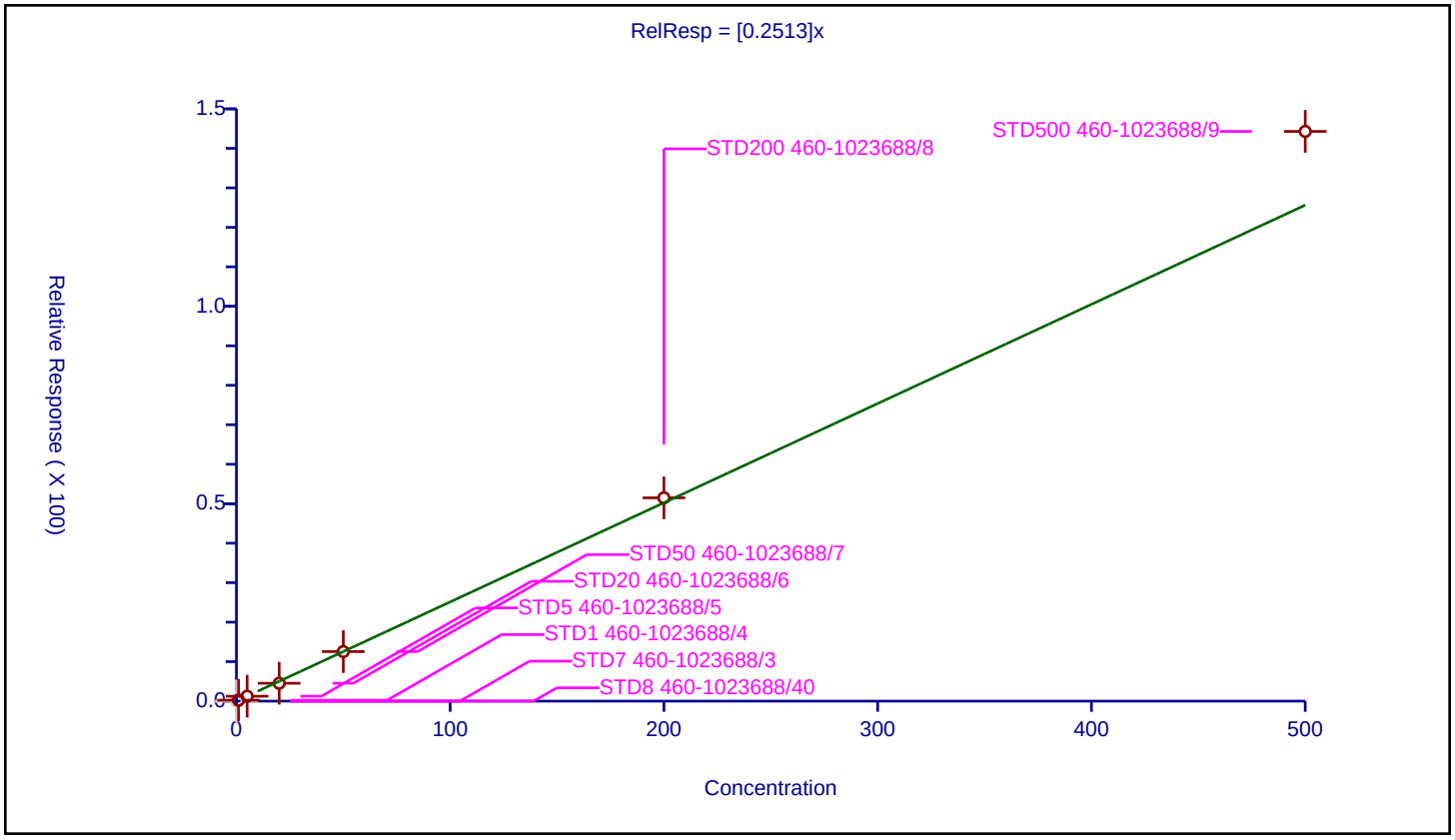
Curve Coefficients

Intercept:	0
Slope:	0.2513

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.235598	50.0	517832.0	0.235598	Y
4	STD5 460-1023688/5	5.0	1.242092	50.0	502499.0	0.248418	Y
5	STD20 460-1023688/6	20.0	4.529001	50.0	510543.0	0.22645	Y
6	STD50 460-1023688/7	50.0	12.550236	50.0	518548.0	0.251005	Y
7	STD200 460-1023688/8	200.0	51.489607	50.0	516210.0	0.257448	Y
8	STD500 460-1023688/9	500.0	144.297162	50.0	530841.0	0.288594	Y



Calibration / Dichlorofluoromethane

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

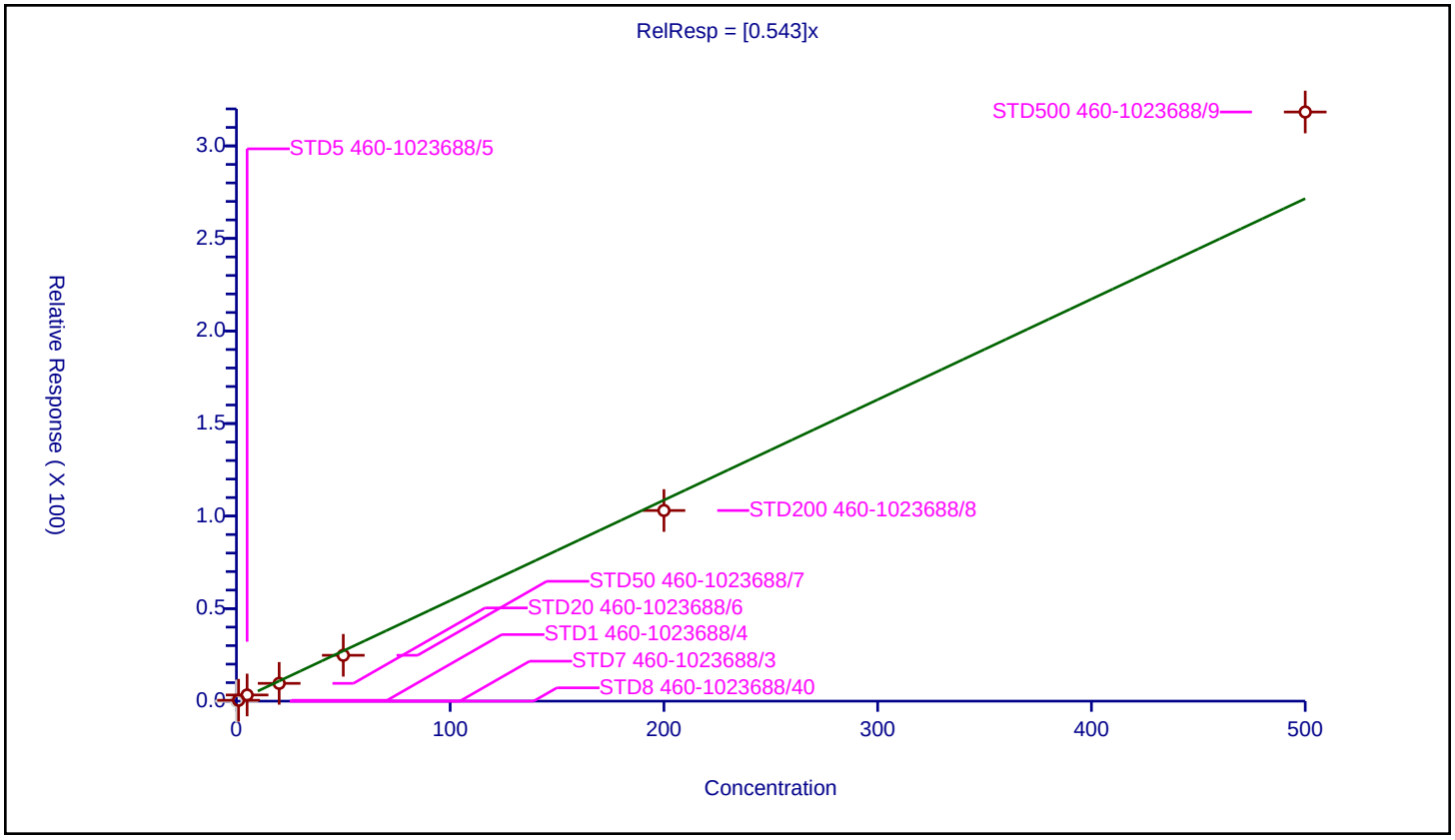
Curve Coefficients

Intercept:	0
Slope:	0.543

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.464823	50.0	517832.0	0.464823	Y
4	STD5 460-1023688/5	5.0	3.329758	50.0	502499.0	0.665952	Y
5	STD20 460-1023688/6	20.0	9.608397	50.0	510543.0	0.48042	Y
6	STD50 460-1023688/7	50.0	24.770513	50.0	518548.0	0.49541	Y
7	STD200 460-1023688/8	200.0	103.002267	50.0	516210.0	0.515011	Y
8	STD500 460-1023688/9	500.0	318.311698	50.0	530841.0	0.636623	Y



Calibration / Trichlorofluoromethane

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

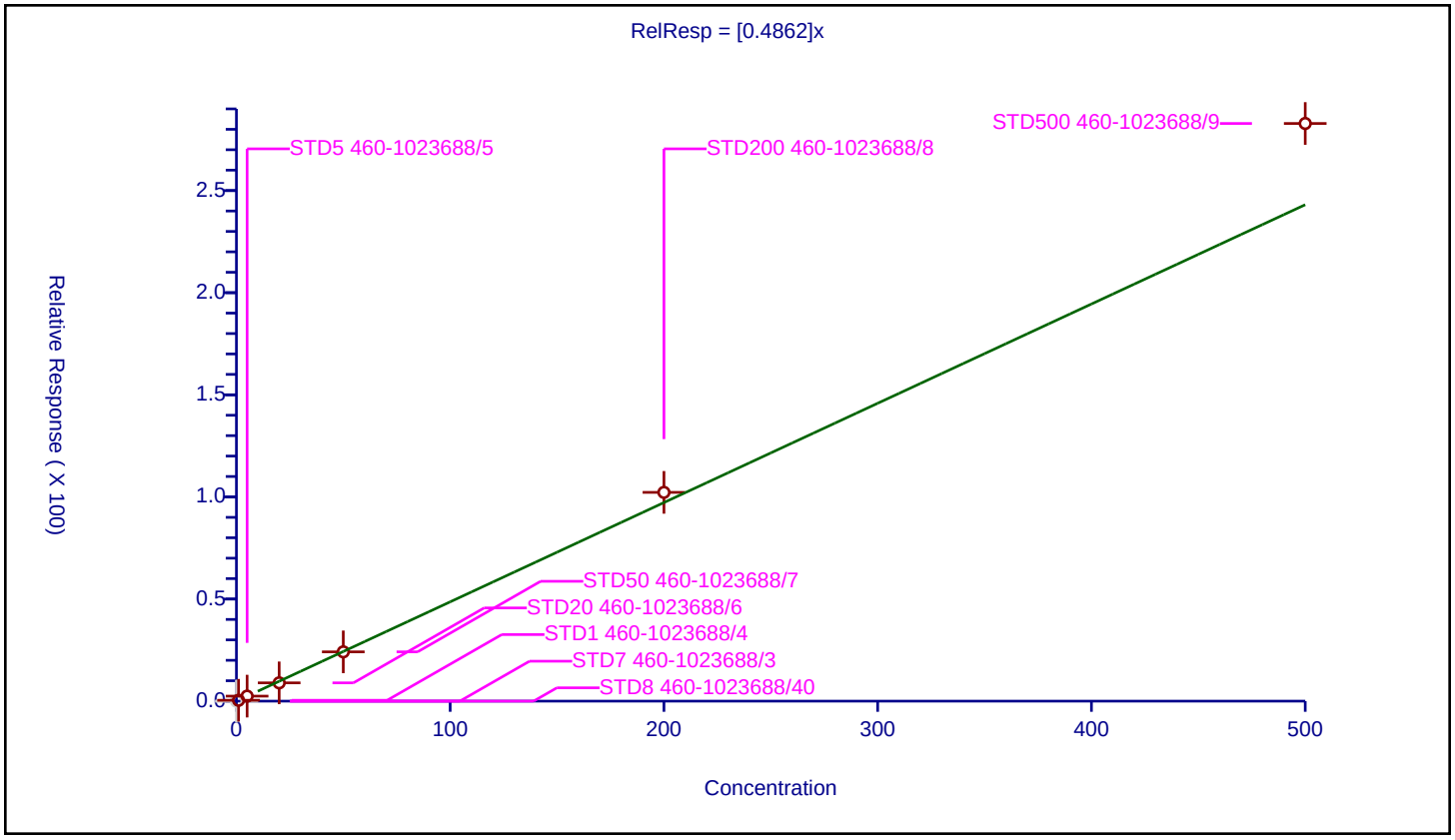
Curve Coefficients

Intercept:	0
Slope:	0.4862

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
2	STD7 460-1023688/3	0.25	0.0	50.0	511649.0	0.0	N
3	STD1 460-1023688/4	1.0	0.417993	50.0	517832.0	0.417993	Y
4	STD5 460-1023688/5	5.0	2.45901	50.0	502499.0	0.491802	Y
5	STD20 460-1023688/6	20.0	8.949295	50.0	510543.0	0.447465	Y
6	STD50 460-1023688/7	50.0	24.138942	50.0	518548.0	0.482779	Y
7	STD200 460-1023688/8	200.0	102.23165	50.0	516210.0	0.511158	Y
8	STD500 460-1023688/9	500.0	282.857108	50.0	530841.0	0.565714	Y



Calibration / Pentane

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

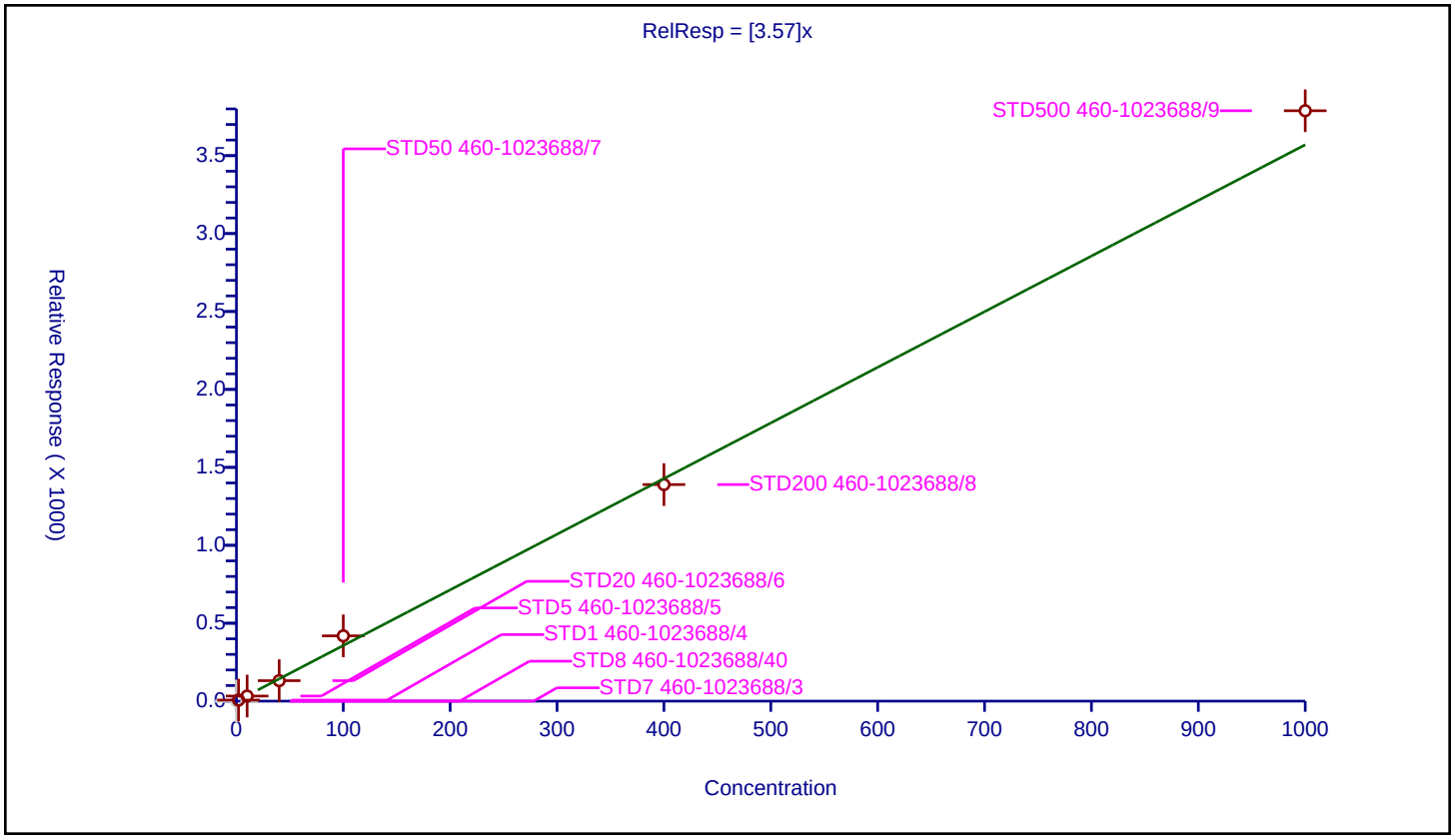
Curve Coefficients

Intercept:	0
Slope:	3.57

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	2.0	6.832492	1000.0	138017.0	3.416246	Y
4	STD5 460-1023688/5	10.0	32.672268	1000.0	149607.0	3.267227	Y
5	STD20 460-1023688/6	40.0	131.363839	1000.0	150597.0	3.284096	Y
6	STD50 460-1023688/7	100.0	418.926135	1000.0	132959.0	4.189261	Y
7	STD200 460-1023688/8	400.0	1389.560267	1000.0	155981.0	3.473901	Y
8	STD500 460-1023688/9	1000.0	3788.04051	1000.0	159271.0	3.788041	Y



Calibration / Ethanol

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

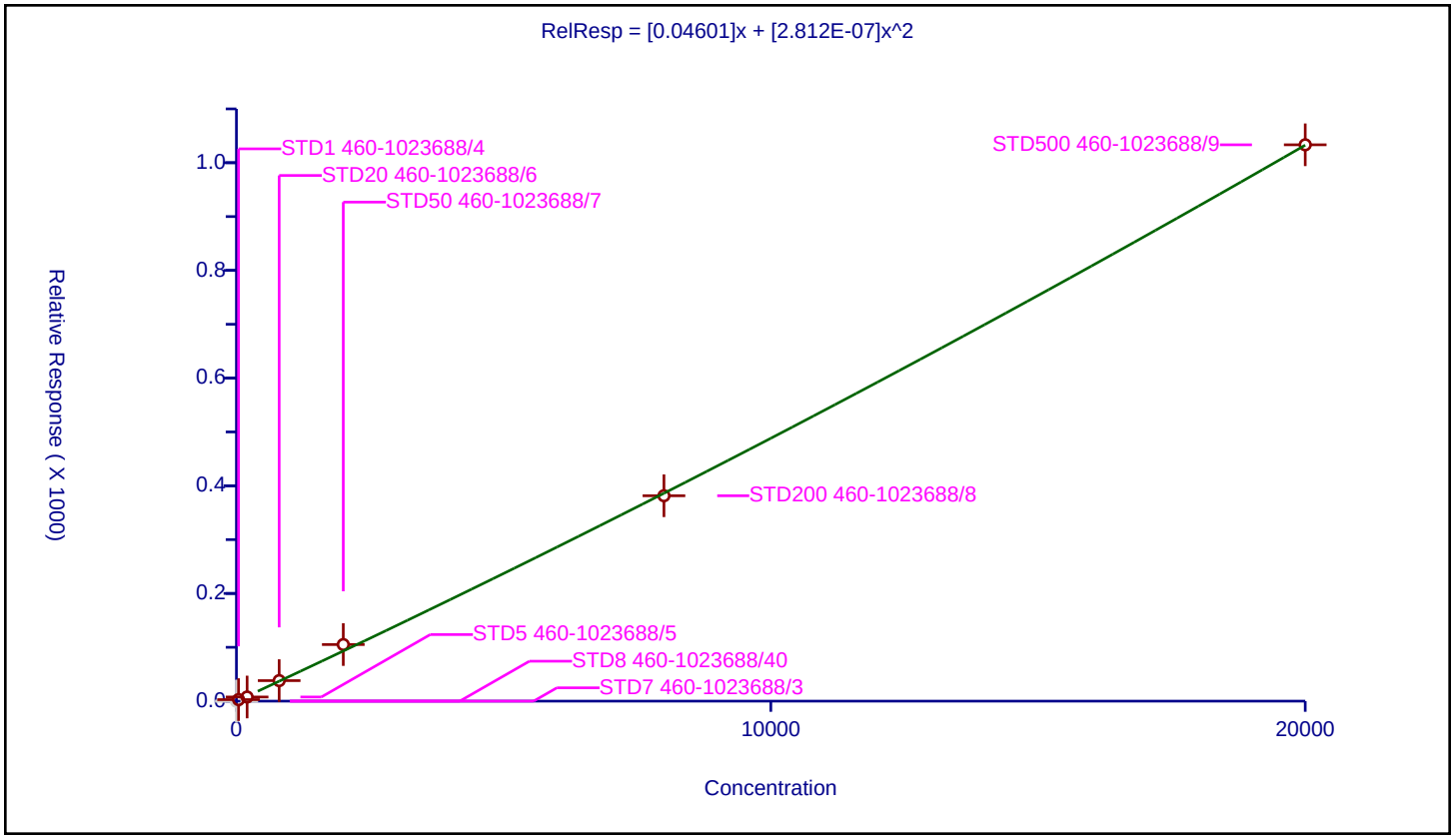
Curve Coefficients

Intercept:	0
Slope:	0.04601
Second Order:	2.812E-07

Error Coefficients

Relative Standard Deviation:	29.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	8.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	40.0	2.861966	1000.0	138017.0	0.071549	Y
4	STD5 460-1023688/5	200.0	7.706859	1000.0	149607.0	0.038534	Y
5	STD20 460-1023688/6	800.0	38.095048	1000.0	150597.0	0.047619	Y
6	STD50 460-1023688/7	2000.0	105.077505	1000.0	132959.0	0.052539	Y
7	STD200 460-1023688/8	8000.0	381.48236	1000.0	155981.0	0.047685	Y
8	STD500 460-1023688/9	20000.0	1033.295452	1000.0	159271.0	0.051665	Y



Calibration / Ethyl ether

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

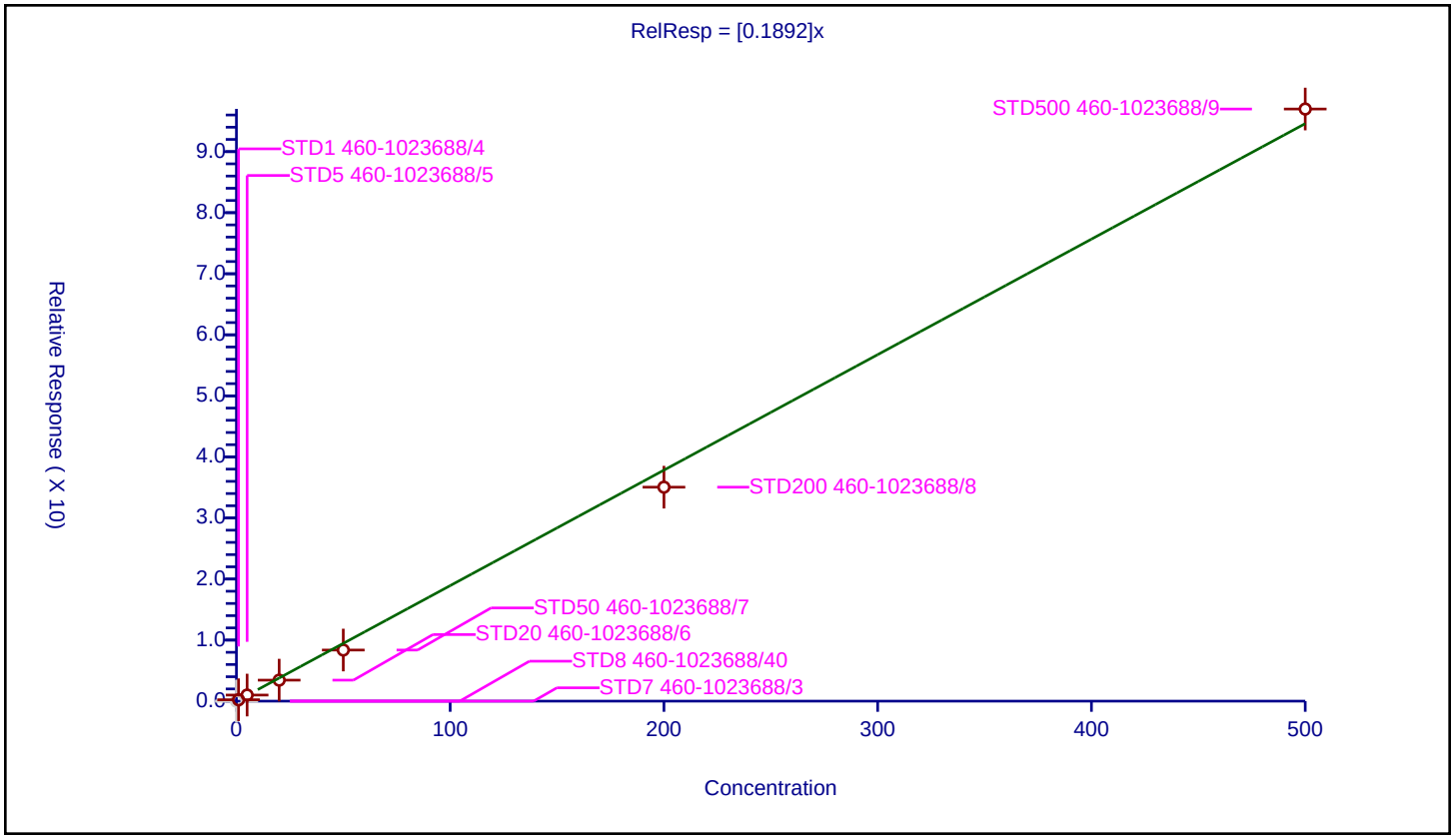
Curve Coefficients

Intercept:	0
Slope:	0.1892

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.226811	50.0	517832.0	0.226811	Y
4	STD5 460-1023688/5	5.0	0.99841	50.0	502499.0	0.199682	Y
5	STD20 460-1023688/6	20.0	3.439475	50.0	510543.0	0.171974	Y
6	STD50 460-1023688/7	50.0	8.369524	50.0	518548.0	0.16739	Y
7	STD200 460-1023688/8	200.0	35.044071	50.0	516210.0	0.17522	Y
8	STD500 460-1023688/9	500.0	96.980169	50.0	530841.0	0.19396	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

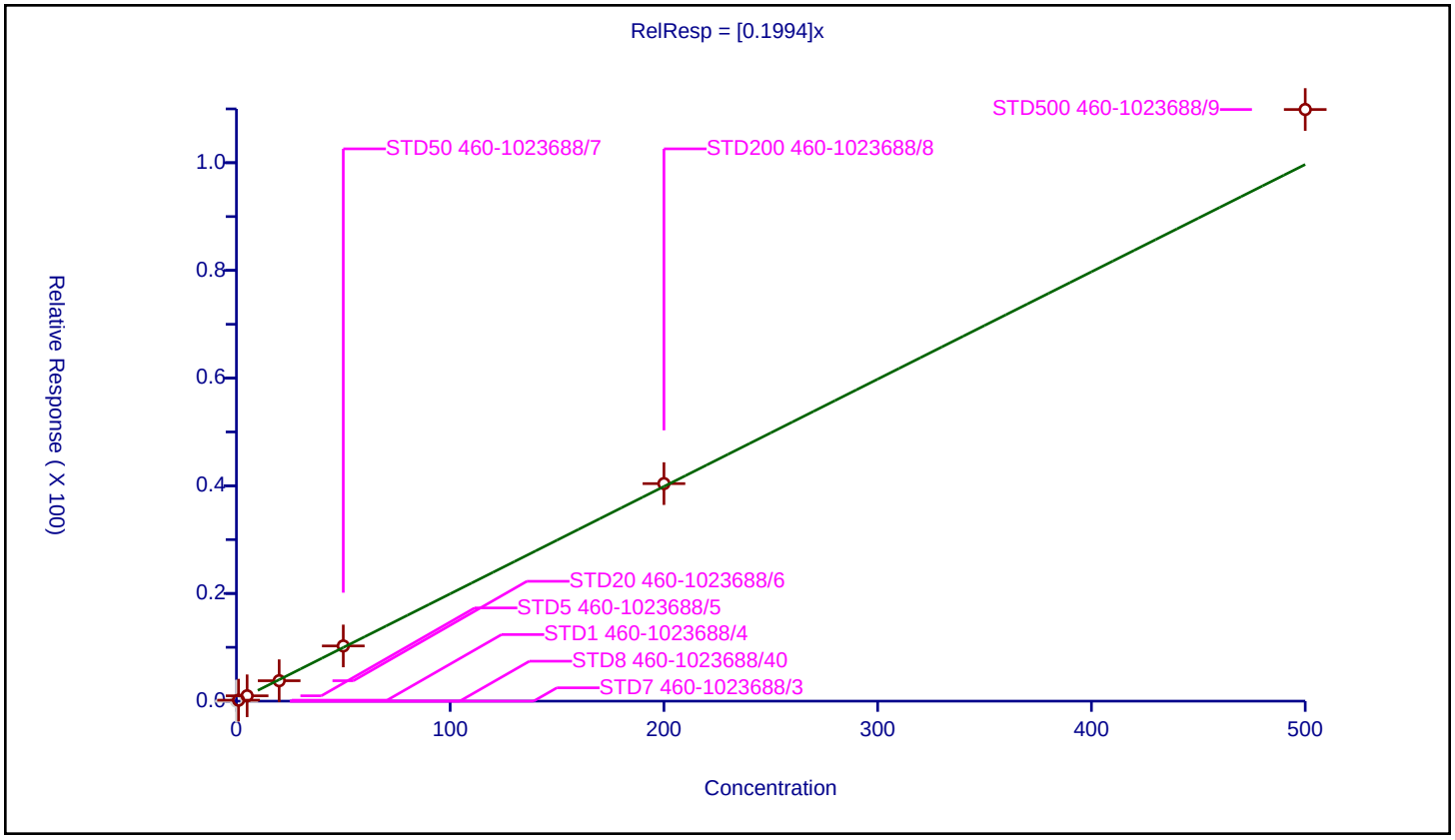
Curve Coefficients

Intercept:	0
Slope:	0.1994

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.181719	50.0	517832.0	0.181719	Y
4	STD5 460-1023688/5	5.0	0.989554	50.0	502499.0	0.197911	Y
5	STD20 460-1023688/6	20.0	3.793902	50.0	510543.0	0.189695	Y
6	STD50 460-1023688/7	50.0	10.250353	50.0	518548.0	0.205007	Y
7	STD200 460-1023688/8	200.0	40.404971	50.0	516210.0	0.202025	Y
8	STD500 460-1023688/9	500.0	109.886105	50.0	530841.0	0.219772	Y



Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

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

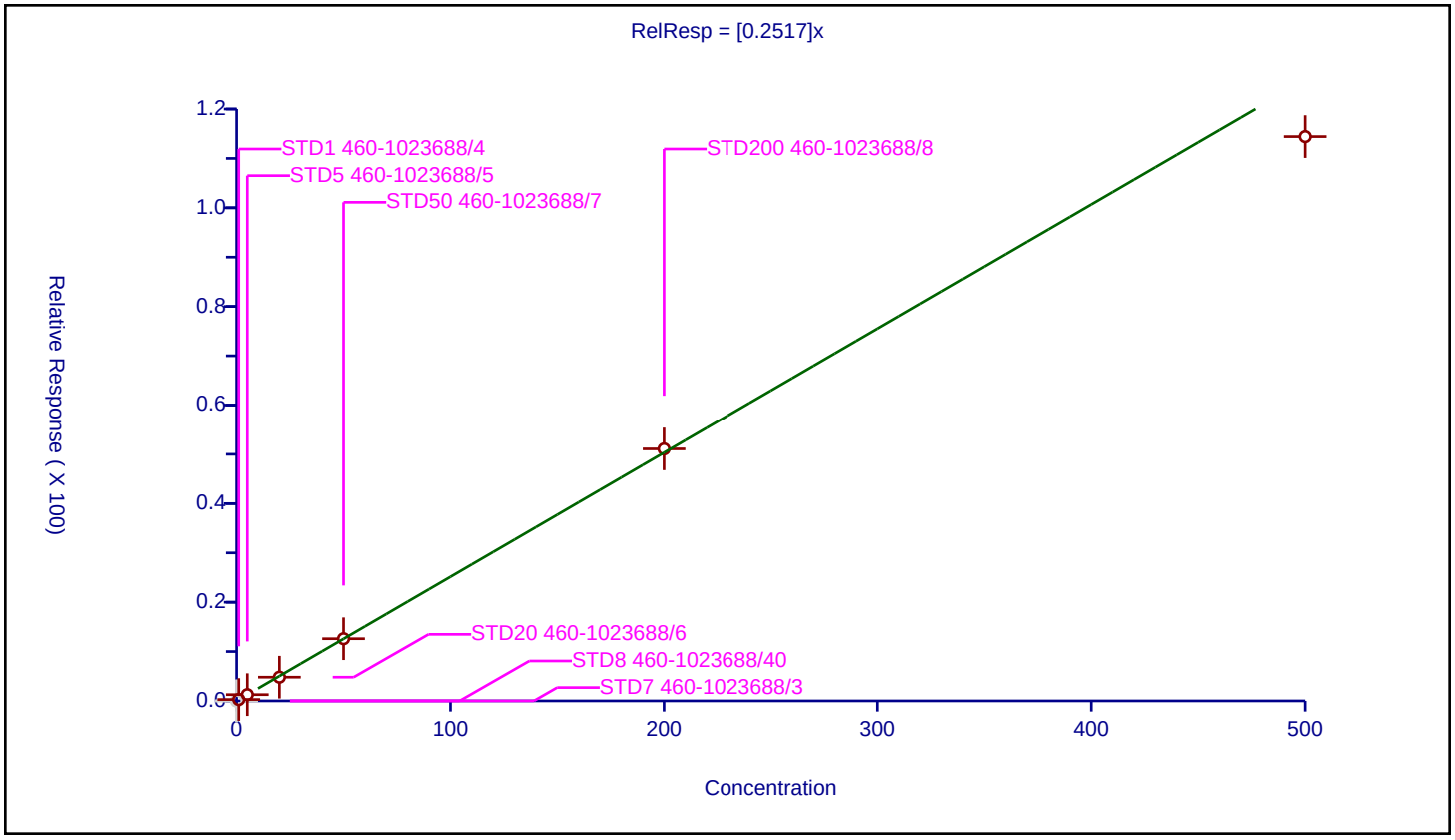
Curve Coefficients

Intercept:	0
Slope:	0.2517

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
3	STD1 460-1023688/4	1.0	0.280303	50.0	517832.0	0.280303	Y
4	STD5 460-1023688/5	5.0	1.265873	50.0	502499.0	0.253175	Y
5	STD20 460-1023688/6	20.0	4.805178	50.0	510543.0	0.240259	Y
6	STD50 460-1023688/7	50.0	12.602401	50.0	518548.0	0.252048	Y
7	STD200 460-1023688/8	200.0	51.096744	50.0	516210.0	0.255484	Y
8	STD500 460-1023688/9	500.0	114.418065	50.0	530841.0	0.228836	Y



Calibration / 1,1,1-Trifluoro-2,2-dichloroethane

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

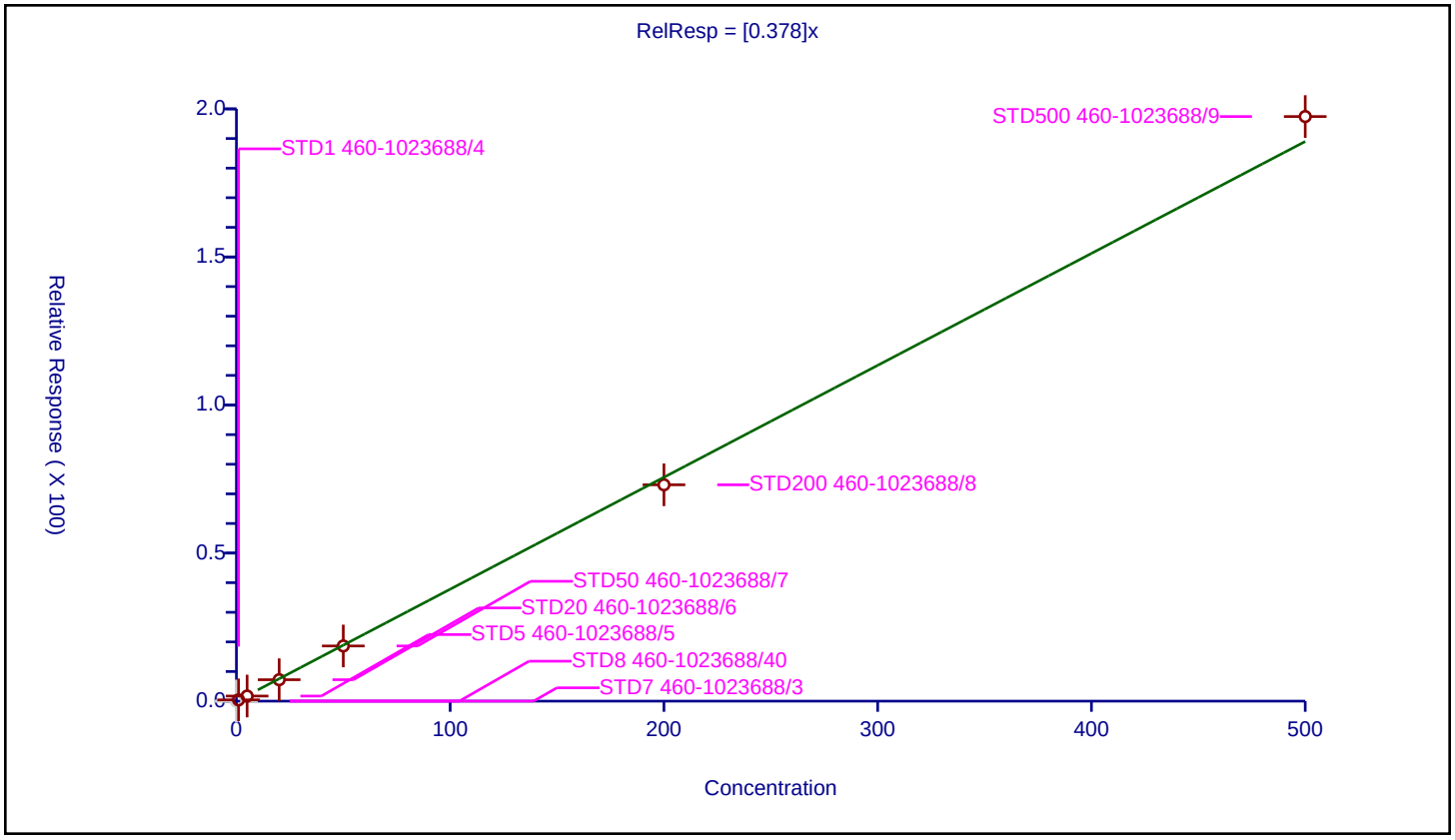
Curve Coefficients

Intercept:	0
Slope:	0.378

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.0	0.0	50.0	517720.0	NaN	N
3	STD1 460-1023688/4	1.0	0.428614	50.0	517832.0	0.428614	Y
4	STD5 460-1023688/5	5.0	1.724382	50.0	502499.0	0.344876	Y
5	STD20 460-1023688/6	20.0	7.234944	50.0	510543.0	0.361747	Y
6	STD50 460-1023688/7	50.0	18.627977	50.0	518548.0	0.37256	Y
7	STD200 460-1023688/8	200.0	73.058155	50.0	516210.0	0.365291	Y
8	STD500 460-1023688/9	500.0	197.418907	50.0	530841.0	0.394838	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

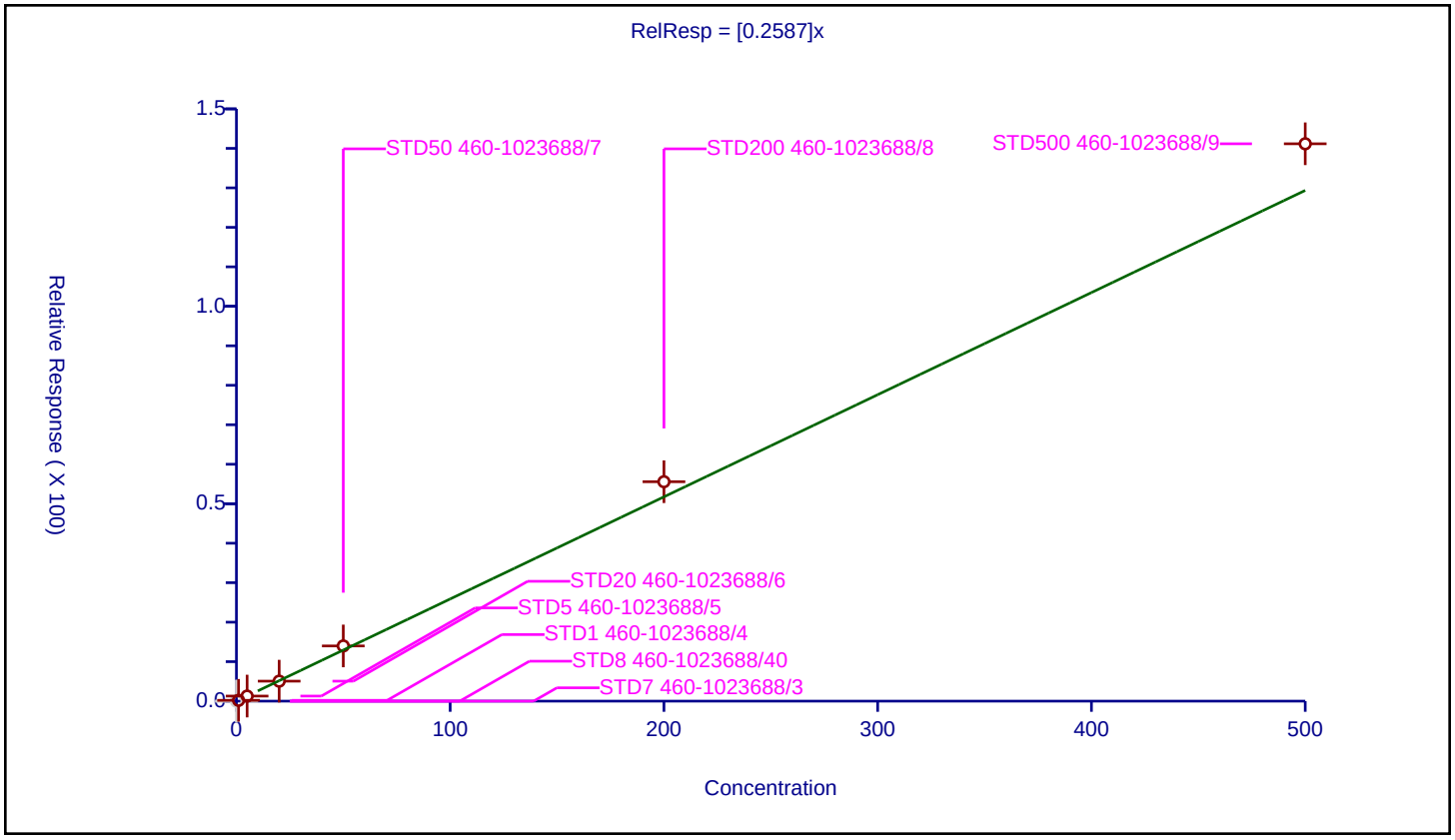
Curve Coefficients

Intercept:	0
Slope:	0.2587

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.202575	50.0	517832.0	0.202575	Y
4	STD5 460-1023688/5	5.0	1.283485	50.0	502499.0	0.256697	Y
5	STD20 460-1023688/6	20.0	5.063432	50.0	510543.0	0.253172	Y
6	STD50 460-1023688/7	50.0	13.977684	50.0	518548.0	0.279554	Y
7	STD200 460-1023688/8	200.0	55.574088	50.0	516210.0	0.27787	Y
8	STD500 460-1023688/9	500.0	141.165434	50.0	530841.0	0.282331	Y



Calibration / Acrolein

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

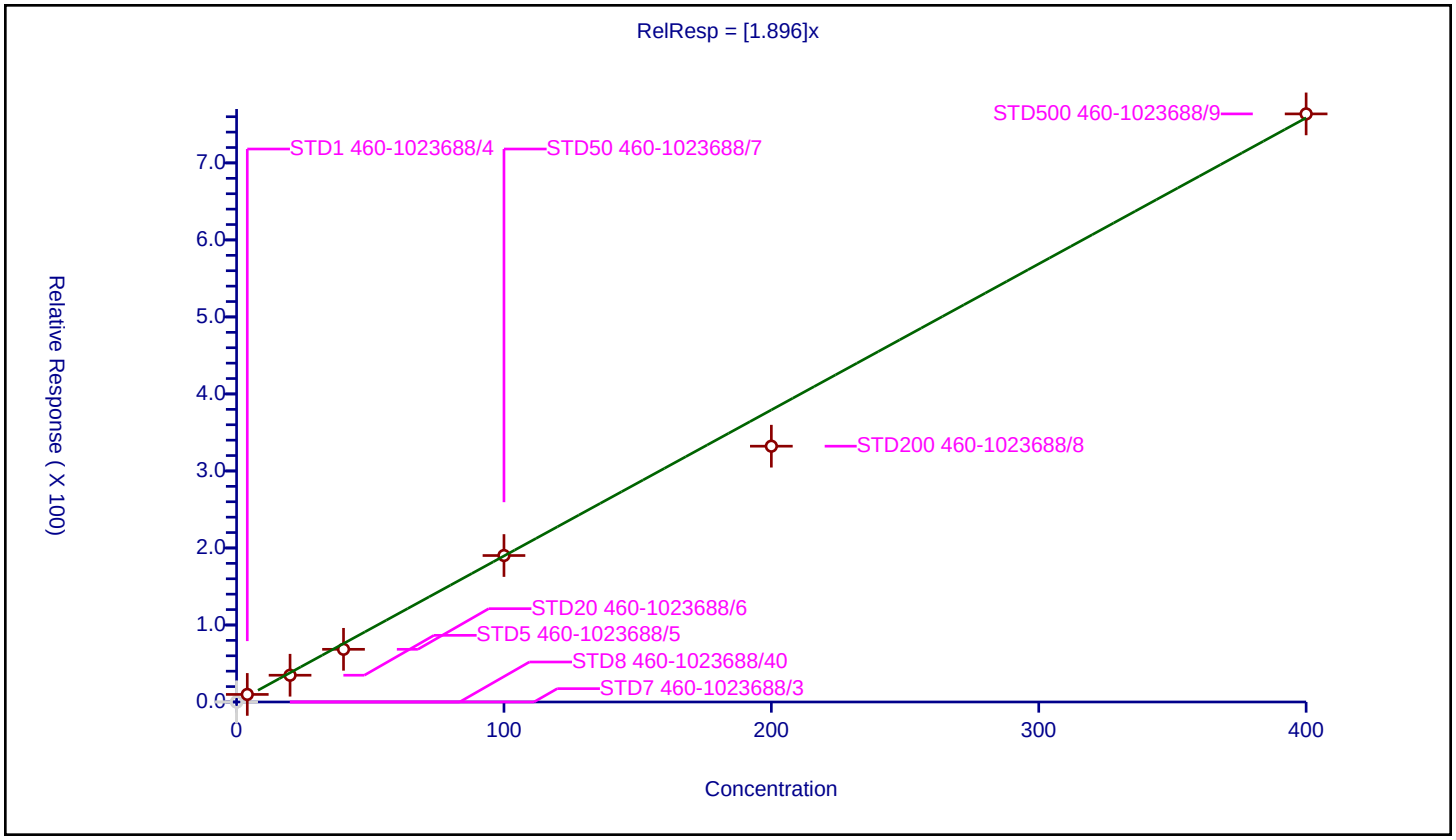
Curve Coefficients

Intercept:	0
Slope:	1.896

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	0.0	0.0	1000.0	152223.0	NaN	N
3	STD1 460-1023688/4	4.0	9.832122	1000.0	138017.0	2.458031	Y
4	STD5 460-1023688/5	20.0	34.737679	1000.0	149607.0	1.736884	Y
5	STD20 460-1023688/6	40.0	68.414377	1000.0	150597.0	1.710359	Y
6	STD50 460-1023688/7	100.0	190.201491	1000.0	132959.0	1.902015	Y
7	STD200 460-1023688/8	200.0	332.181484	1000.0	155981.0	1.660907	Y
8	STD500 460-1023688/9	400.0	763.660679	1000.0	159271.0	1.909152	Y



Calibration / 1,1-Dichloroethene

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

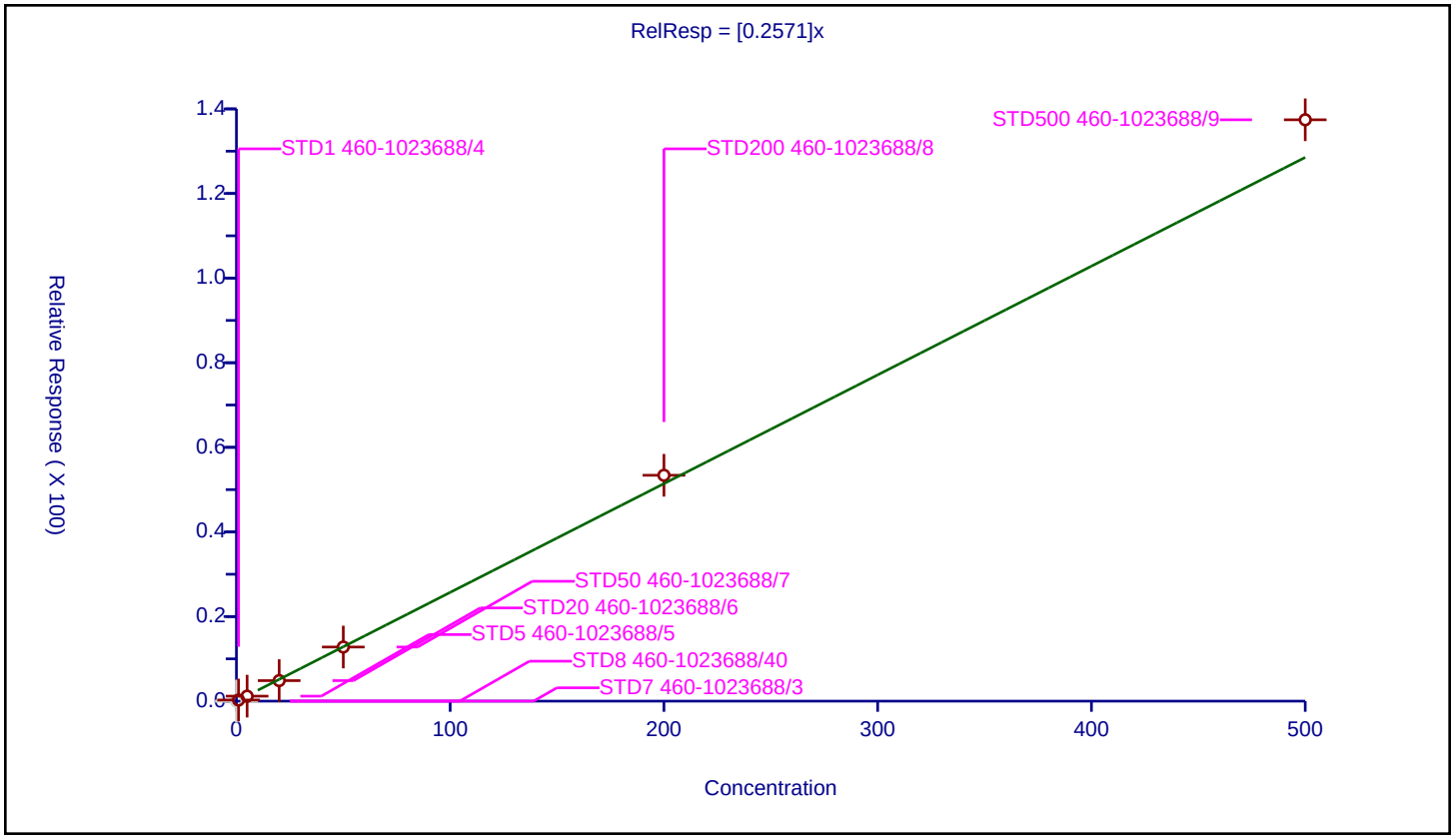
Curve Coefficients

Intercept:	0
Slope:	0.2571

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.266399	50.0	517832.0	0.266399	Y
4	STD5 460-1023688/5	5.0	1.178609	50.0	502499.0	0.235722	Y
5	STD20 460-1023688/6	20.0	4.852089	50.0	510543.0	0.242604	Y
6	STD50 460-1023688/7	50.0	12.791391	50.0	518548.0	0.255828	Y
7	STD200 460-1023688/8	200.0	53.395905	50.0	516210.0	0.26698	Y
8	STD500 460-1023688/9	500.0	137.427403	50.0	530841.0	0.274855	Y



Calibration / Acetone

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

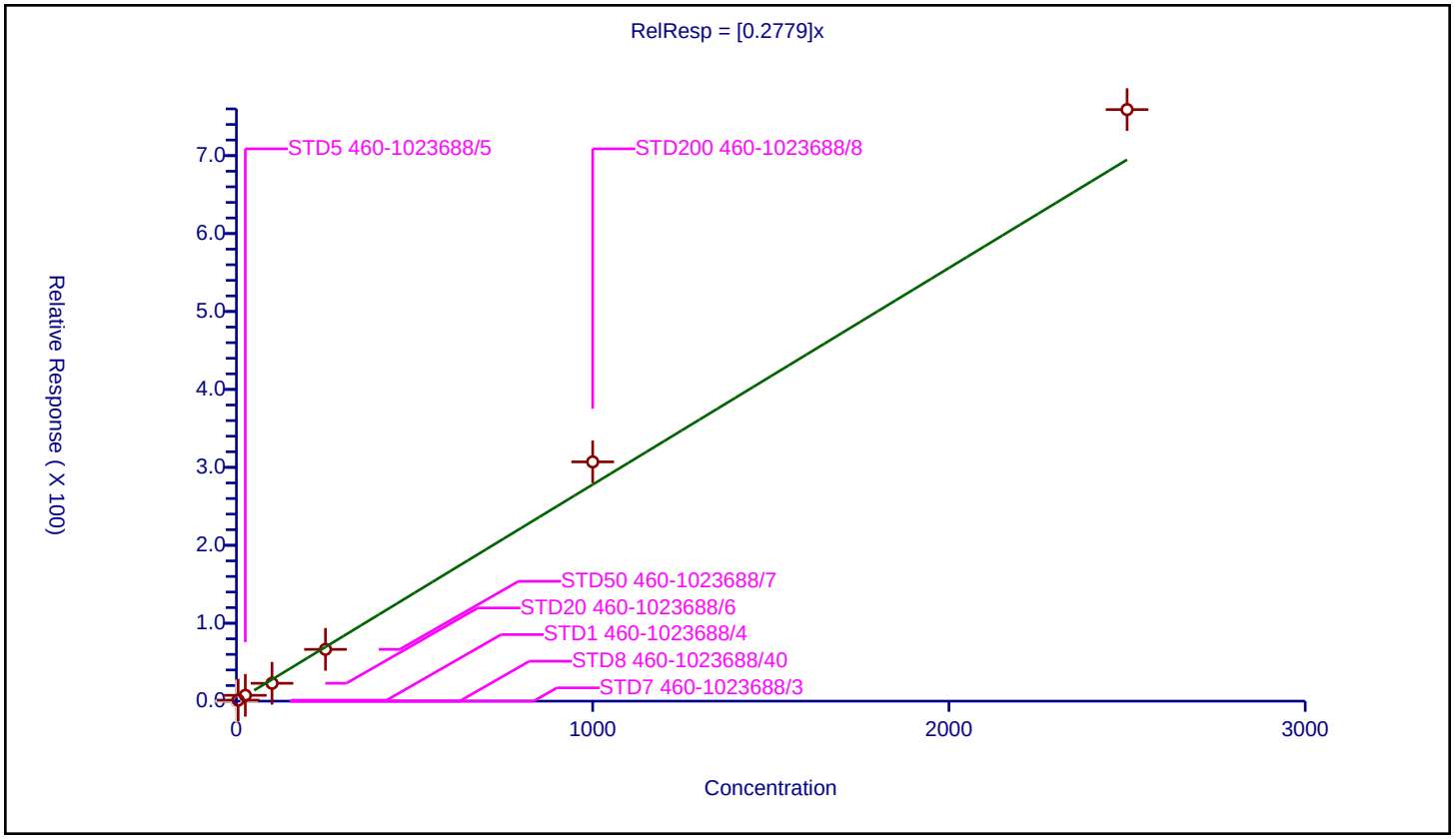
Curve Coefficients

Intercept:	0
Slope:	0.2779

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	1.0	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	5.0	1.317855	250.0	128049.0	0.263571	Y
4	STD5 460-1023688/5	25.0	7.465538	250.0	134786.0	0.298622	Y
5	STD20 460-1023688/6	100.0	22.89977	250.0	138342.0	0.228998	Y
6	STD50 460-1023688/7	250.0	66.438324	250.0	127513.0	0.265753	Y
7	STD200 460-1023688/8	1000.0	307.029823	250.0	141803.0	0.30703	Y
8	STD500 460-1023688/9	2500.0	759.10895	250.0	162505.0	0.303644	Y



Calibration / Isopropyl alcohol

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

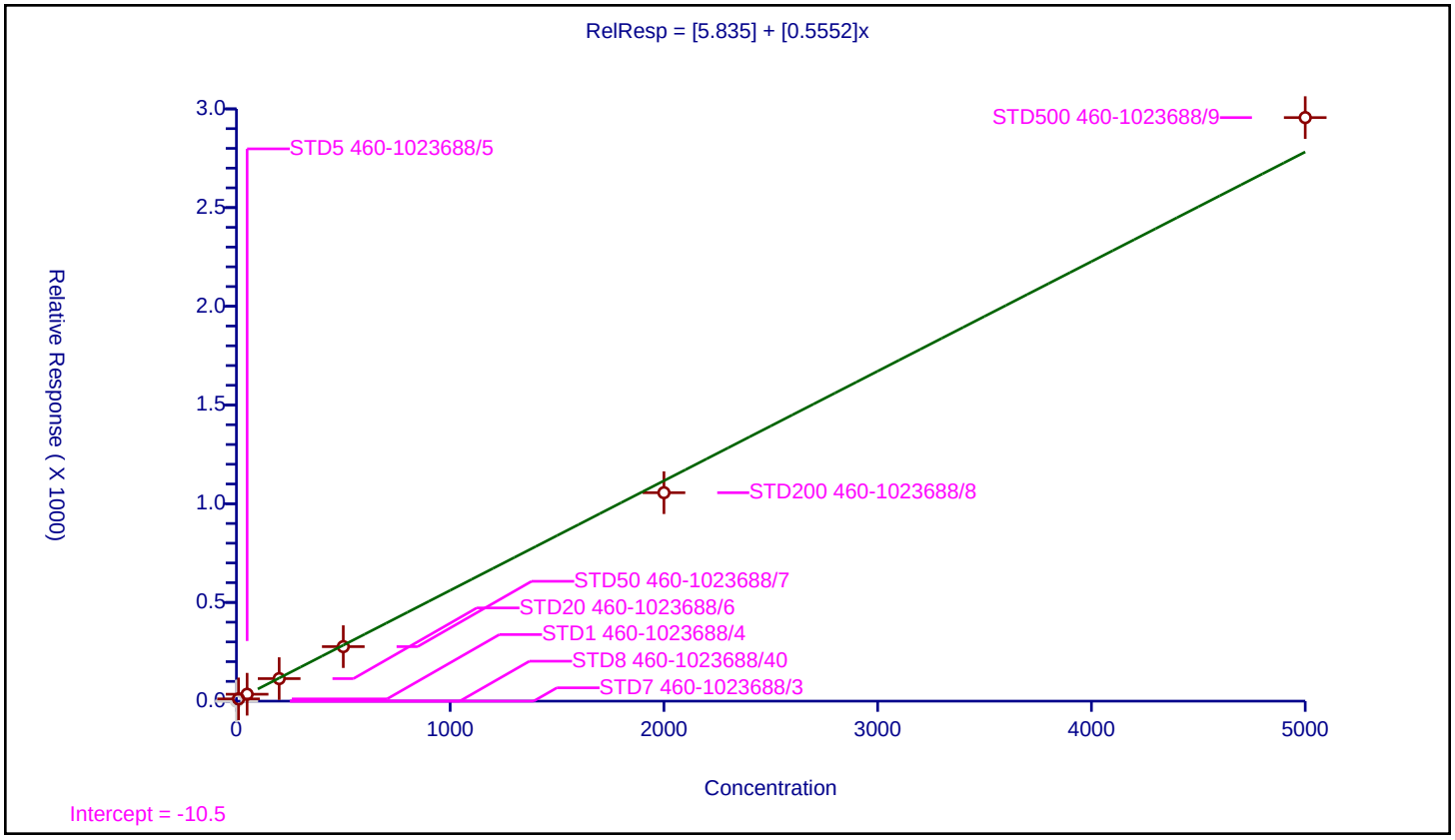
Curve Coefficients

Intercept:	5.835
Slope:	0.5552

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	2.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	10.0	11.339183	1000.0	138017.0	1.133918	Y
4	STD5 460-1023688/5	50.0	35.065204	1000.0	149607.0	0.701304	Y
5	STD20 460-1023688/6	200.0	114.006255	1000.0	150597.0	0.570031	Y
6	STD50 460-1023688/7	500.0	276.039982	1000.0	132959.0	0.55208	Y
7	STD200 460-1023688/8	2000.0	1055.885012	1000.0	155981.0	0.527943	Y
8	STD500 460-1023688/9	5000.0	2955.836279	1000.0	159271.0	0.591167	Y



Calibration / Iodomethane

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

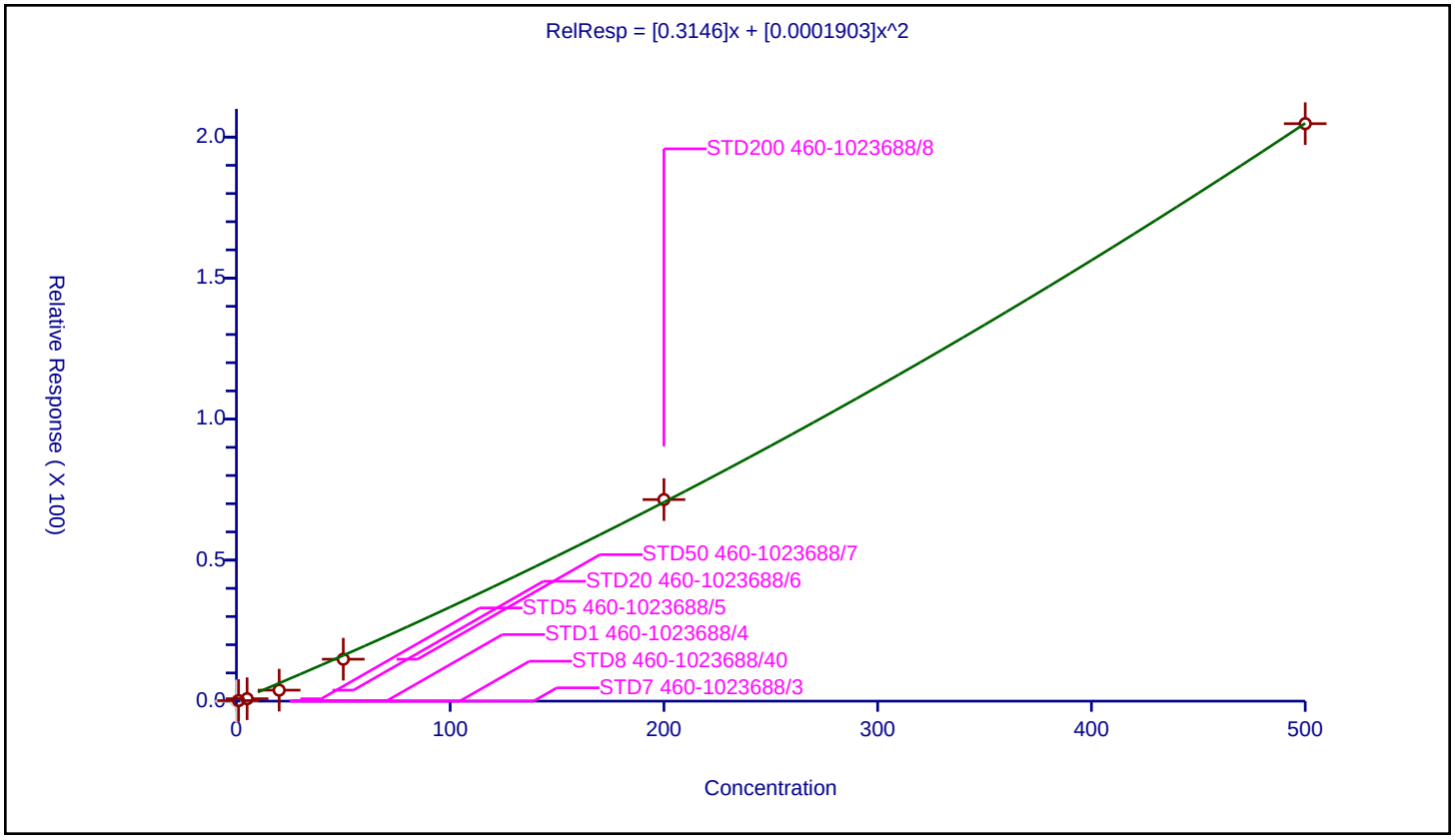
Curve Coefficients

Intercept:	0
Slope:	0.3146
Second Order:	0.0001903

Error Coefficients

Relative Standard Deviation:	36.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.182202	50.0	517832.0	0.182202	Y
4	STD5 460-1023688/5	5.0	0.855922	50.0	502499.0	0.171184	Y
5	STD20 460-1023688/6	20.0	3.894481	50.0	510543.0	0.194724	Y
6	STD50 460-1023688/7	50.0	14.872297	50.0	518548.0	0.297446	Y
7	STD200 460-1023688/8	200.0	71.464036	50.0	516210.0	0.35732	Y
8	STD500 460-1023688/9	500.0	204.761595	50.0	530841.0	0.409523	Y



Calibration / Carbon disulfide

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

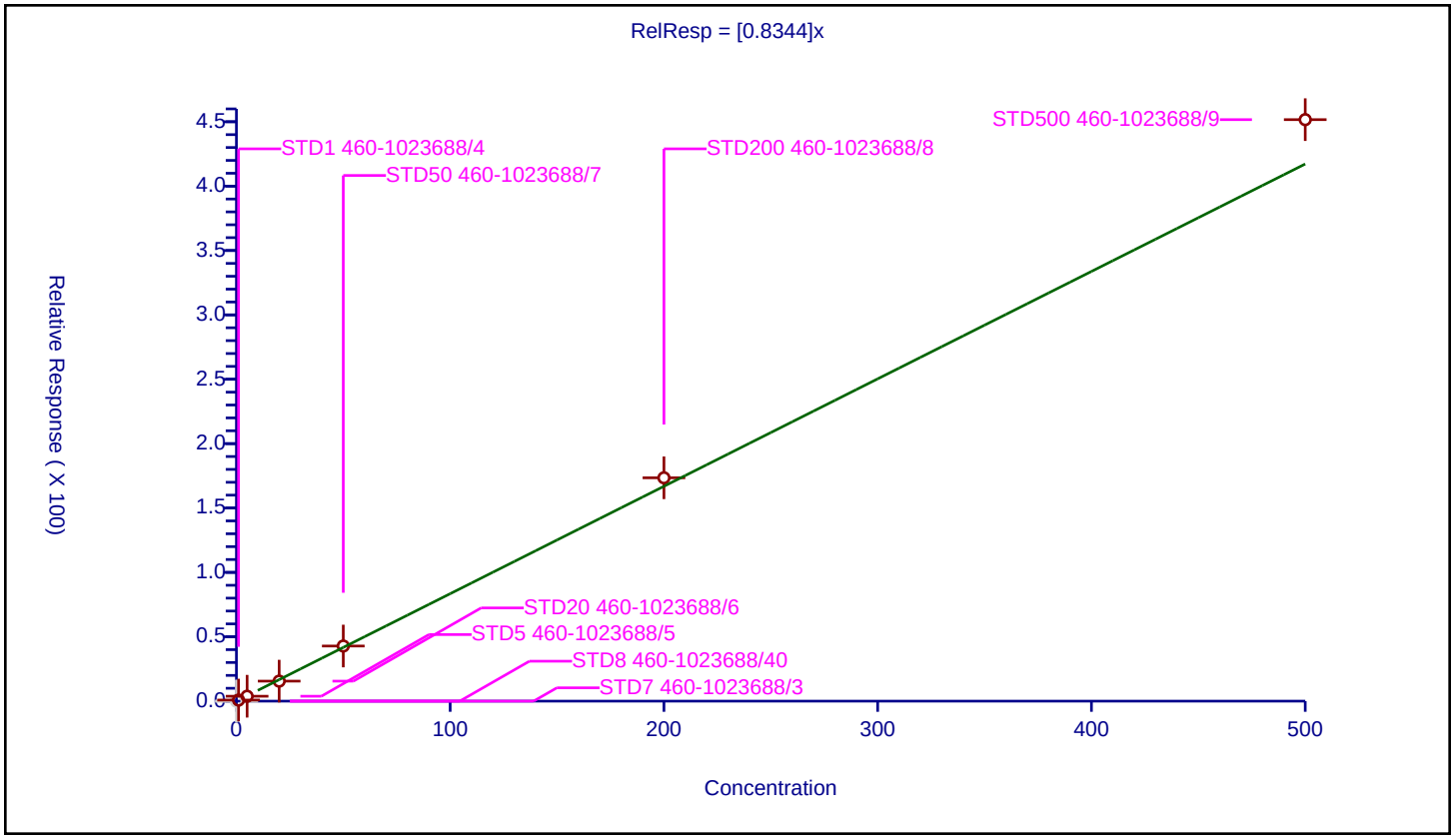
Curve Coefficients

Intercept:	0
Slope:	0.8344

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.83753	50.0	517832.0	0.83753	Y
4	STD5 460-1023688/5	5.0	3.820903	50.0	502499.0	0.764181	Y
5	STD20 460-1023688/6	20.0	15.552853	50.0	510543.0	0.777643	Y
6	STD50 460-1023688/7	50.0	42.819855	50.0	518548.0	0.856397	Y
7	STD200 460-1023688/8	200.0	173.465547	50.0	516210.0	0.867328	Y
8	STD500 460-1023688/9	500.0	451.632881	50.0	530841.0	0.903266	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

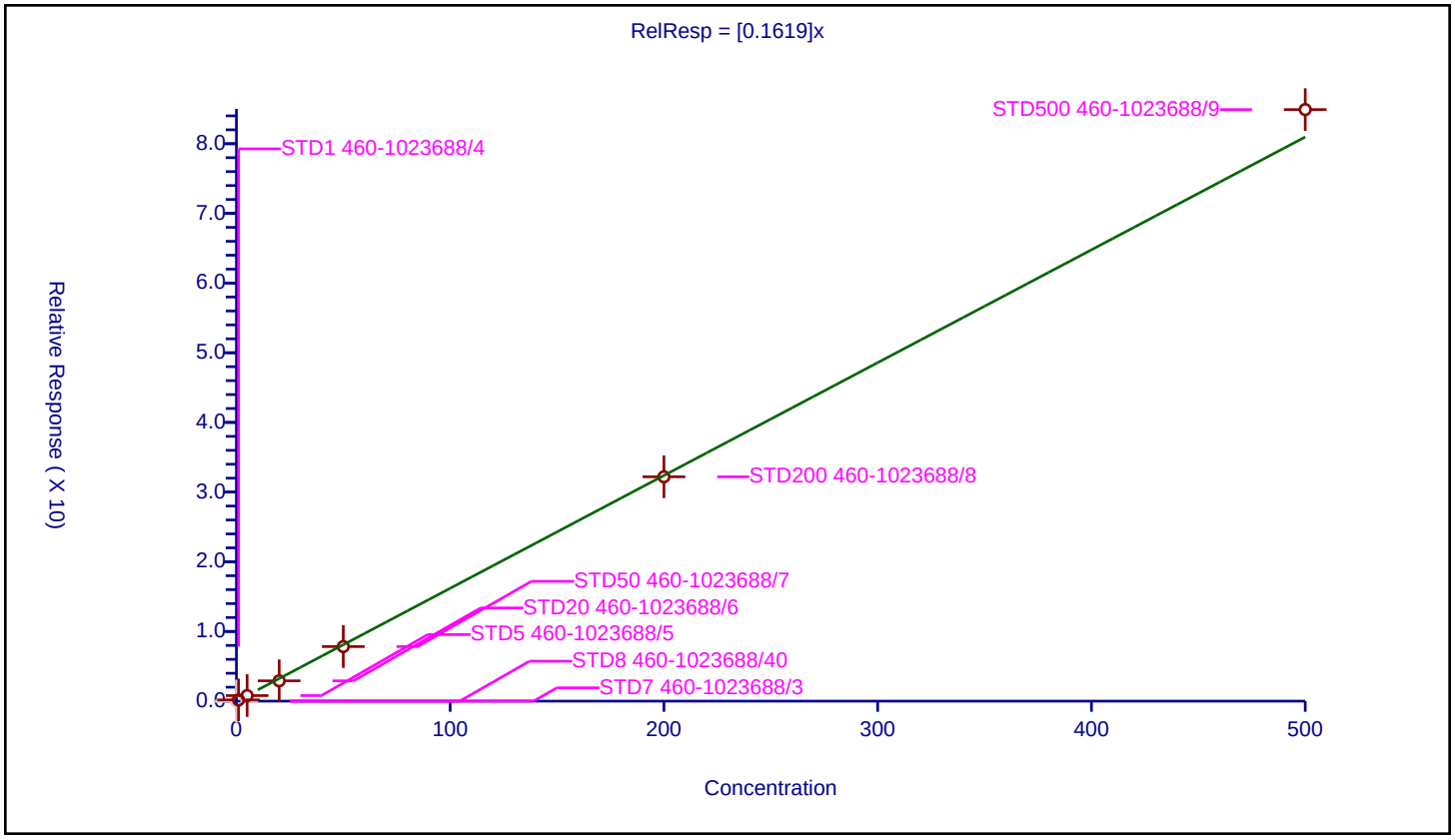
Curve Coefficients

Intercept:	0
Slope:	0.1619

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.179112	50.0	517832.0	0.179112	Y
4	STD5 460-1023688/5	5.0	0.797216	50.0	502499.0	0.159443	Y
5	STD20 460-1023688/6	20.0	2.913565	50.0	510543.0	0.145678	Y
6	STD50 460-1023688/7	50.0	7.829362	50.0	518548.0	0.156587	Y
7	STD200 460-1023688/8	200.0	32.199686	50.0	516210.0	0.160998	Y
8	STD500 460-1023688/9	500.0	84.9016	50.0	530841.0	0.169803	Y



Calibration / Methyl acetate

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

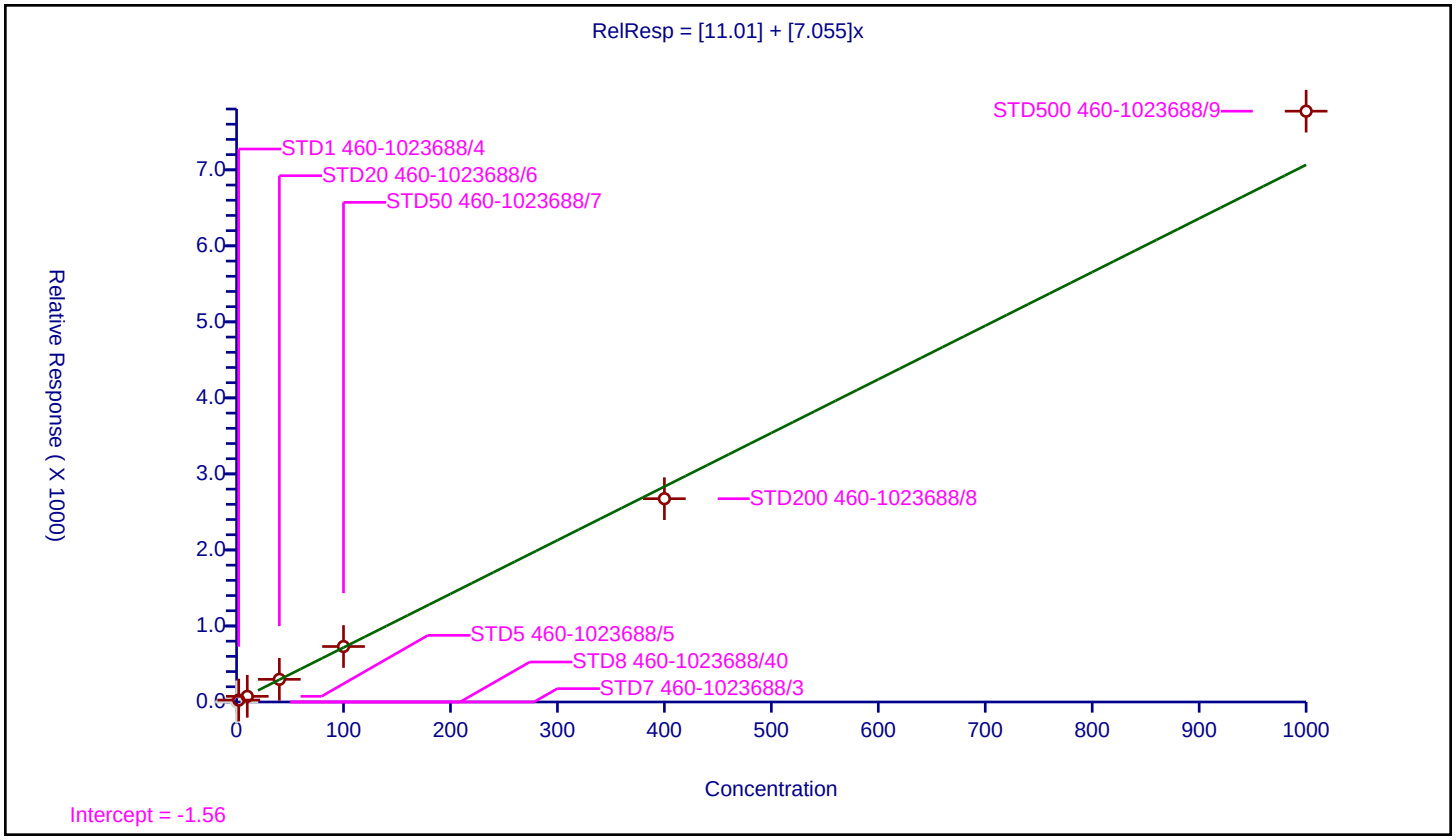
Curve Coefficients

Intercept:	11.01
Slope:	7.055

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	2.0	25.380931	1000.0	138017.0	12.690466	Y
4	STD5 460-1023688/5	10.0	74.615493	1000.0	149607.0	7.461549	Y
5	STD20 460-1023688/6	40.0	298.053746	1000.0	150597.0	7.451344	Y
6	STD50 460-1023688/7	100.0	729.834009	1000.0	132959.0	7.29834	Y
7	STD200 460-1023688/8	400.0	2674.011578	1000.0	155981.0	6.685029	Y
8	STD500 460-1023688/9	1000.0	7771.534052	1000.0	159271.0	7.771534	Y



Calibration / Cyclopentene

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

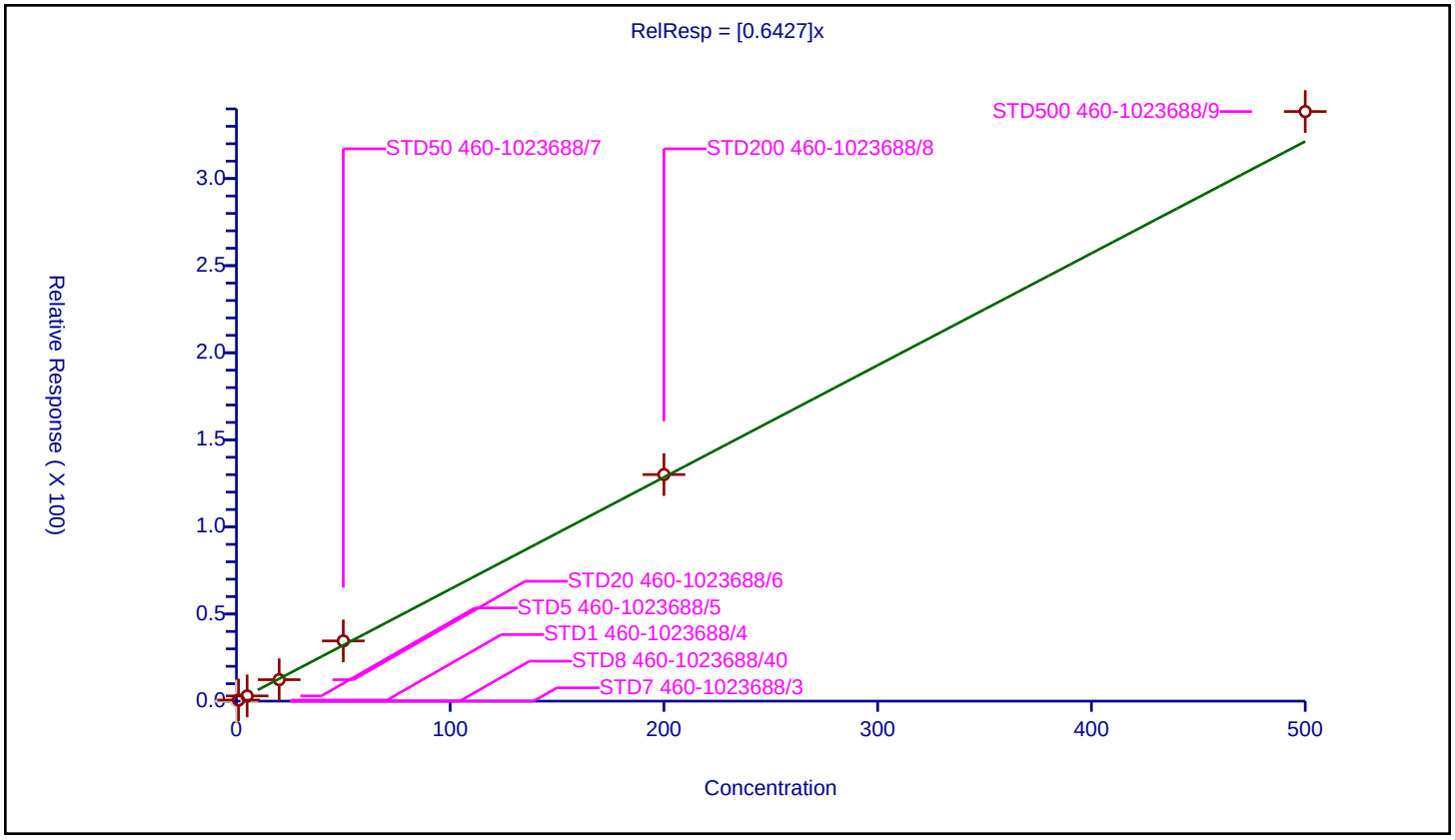
Curve Coefficients

Intercept:	0
Slope:	0.6427

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.62472	50.0	517832.0	0.62472	Y
4	STD5 460-1023688/5	5.0	2.986275	50.0	502499.0	0.597255	Y
5	STD20 460-1023688/6	20.0	12.31336	50.0	510543.0	0.615668	Y
6	STD50 460-1023688/7	50.0	34.556396	50.0	518548.0	0.691128	Y
7	STD200 460-1023688/8	200.0	130.073904	50.0	516210.0	0.65037	Y
8	STD500 460-1023688/9	500.0	338.4861	50.0	530841.0	0.676972	Y



Calibration / Acetonitrile

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

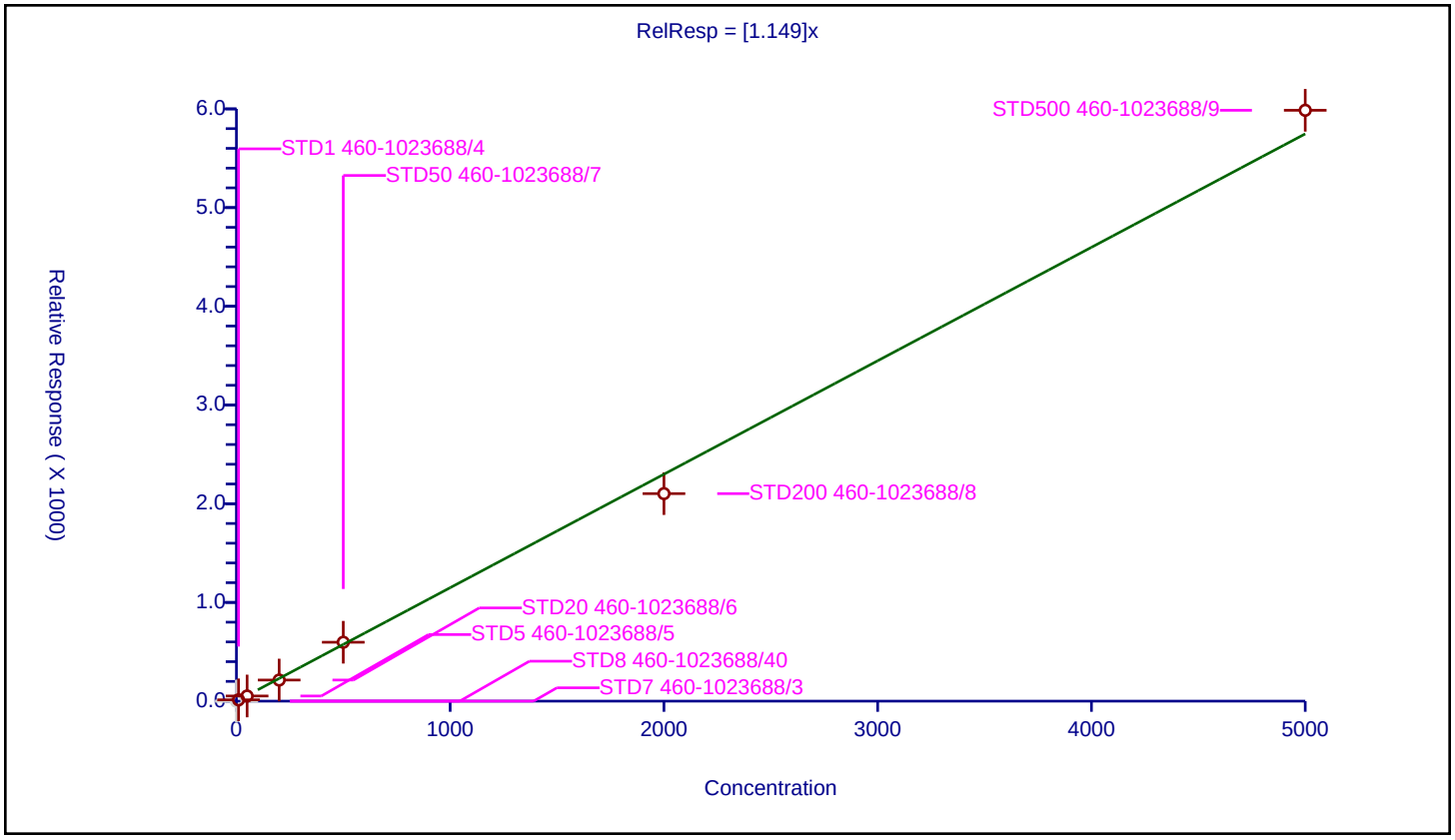
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	2.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	10.0	13.418637	1000.0	138017.0	1.341864	Y
4	STD5 460-1023688/5	50.0	52.183387	1000.0	149607.0	1.043668	Y
5	STD20 460-1023688/6	200.0	213.775839	1000.0	150597.0	1.068879	Y
6	STD50 460-1023688/7	500.0	596.853165	1000.0	132959.0	1.193706	Y
7	STD200 460-1023688/8	2000.0	2102.300921	1000.0	155981.0	1.05115	Y
8	STD500 460-1023688/9	5000.0	5985.816627	1000.0	159271.0	1.197163	Y



Calibration / Methylene Chloride

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

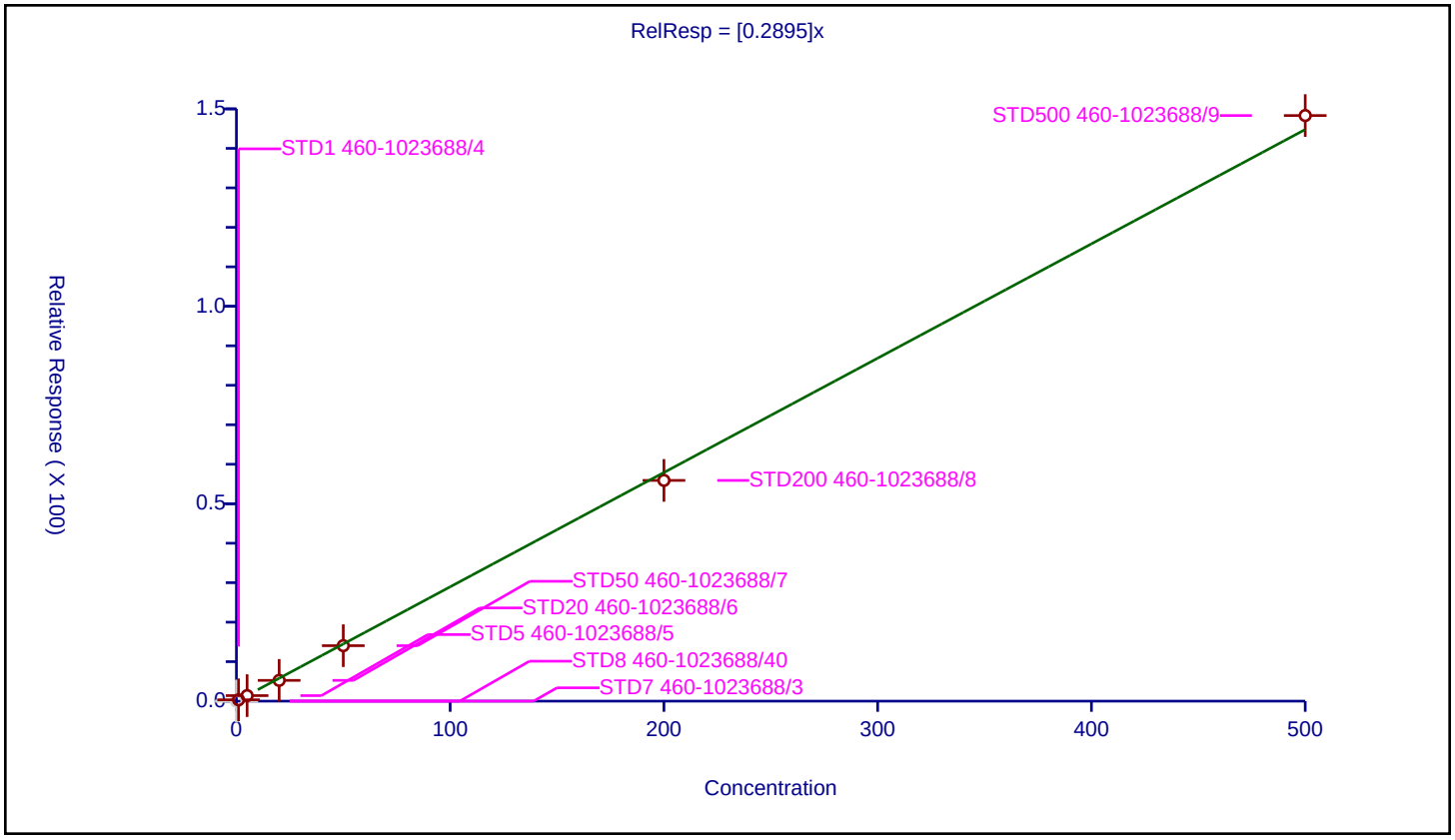
Curve Coefficients

Intercept:	0
Slope:	0.2895

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.337851	50.0	517832.0	0.337851	Y
4	STD5 460-1023688/5	5.0	1.39662	50.0	502499.0	0.279324	Y
5	STD20 460-1023688/6	20.0	5.259009	50.0	510543.0	0.26295	Y
6	STD50 460-1023688/7	50.0	14.049037	50.0	518548.0	0.280981	Y
7	STD200 460-1023688/8	200.0	55.905058	50.0	516210.0	0.279525	Y
8	STD500 460-1023688/9	500.0	148.311359	50.0	530841.0	0.296623	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

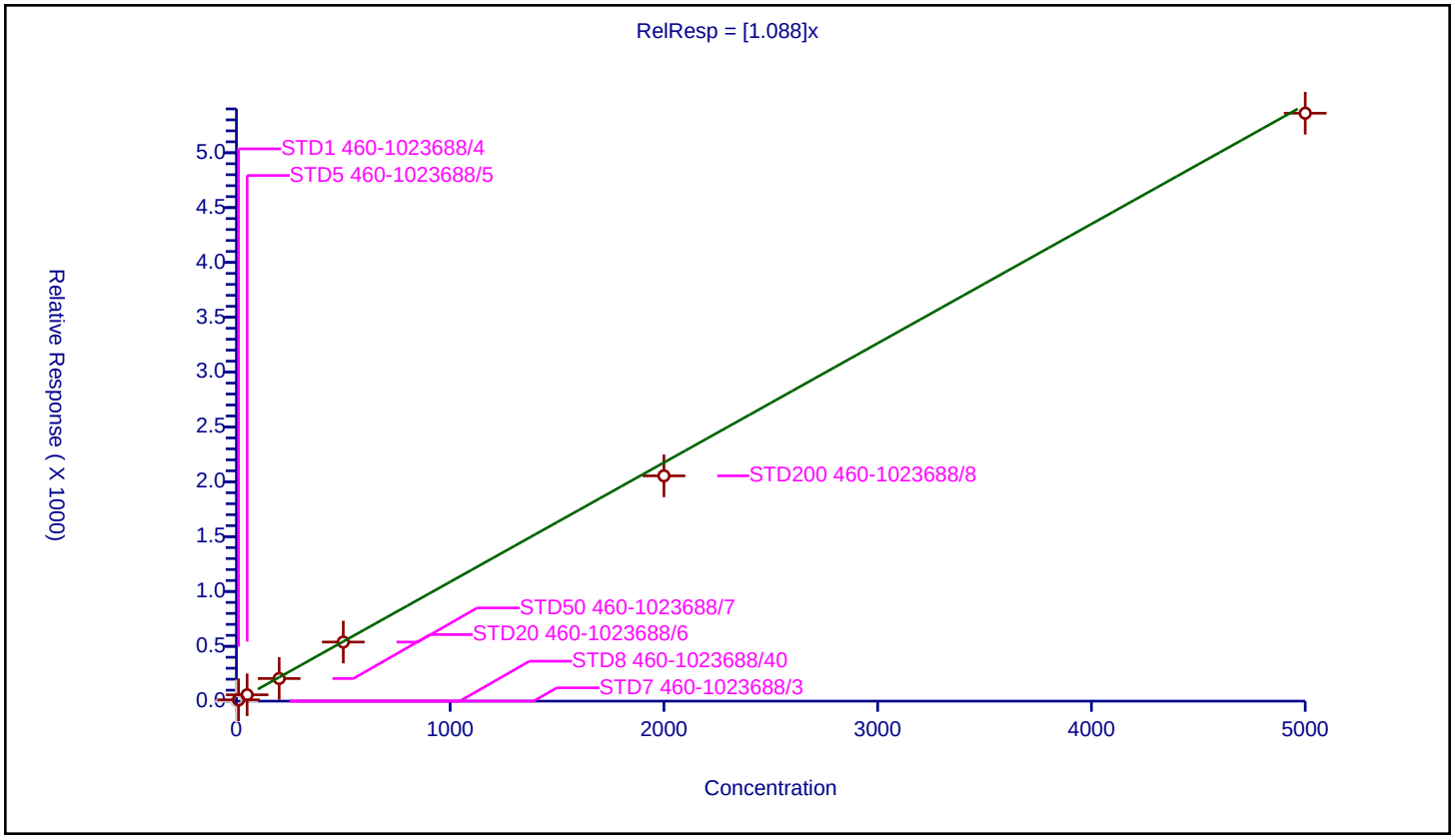
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	2.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	10.0	11.657984	1000.0	138017.0	1.165798	Y
4	STD5 460-1023688/5	50.0	57.617625	1000.0	149607.0	1.152352	Y
5	STD20 460-1023688/6	200.0	206.159485	1000.0	150597.0	1.030797	Y
6	STD50 460-1023688/7	500.0	538.775111	1000.0	132959.0	1.07755	Y
7	STD200 460-1023688/8	2000.0	2054.314308	1000.0	155981.0	1.027157	Y
8	STD500 460-1023688/9	5000.0	5360.59923	1000.0	159271.0	1.07212	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

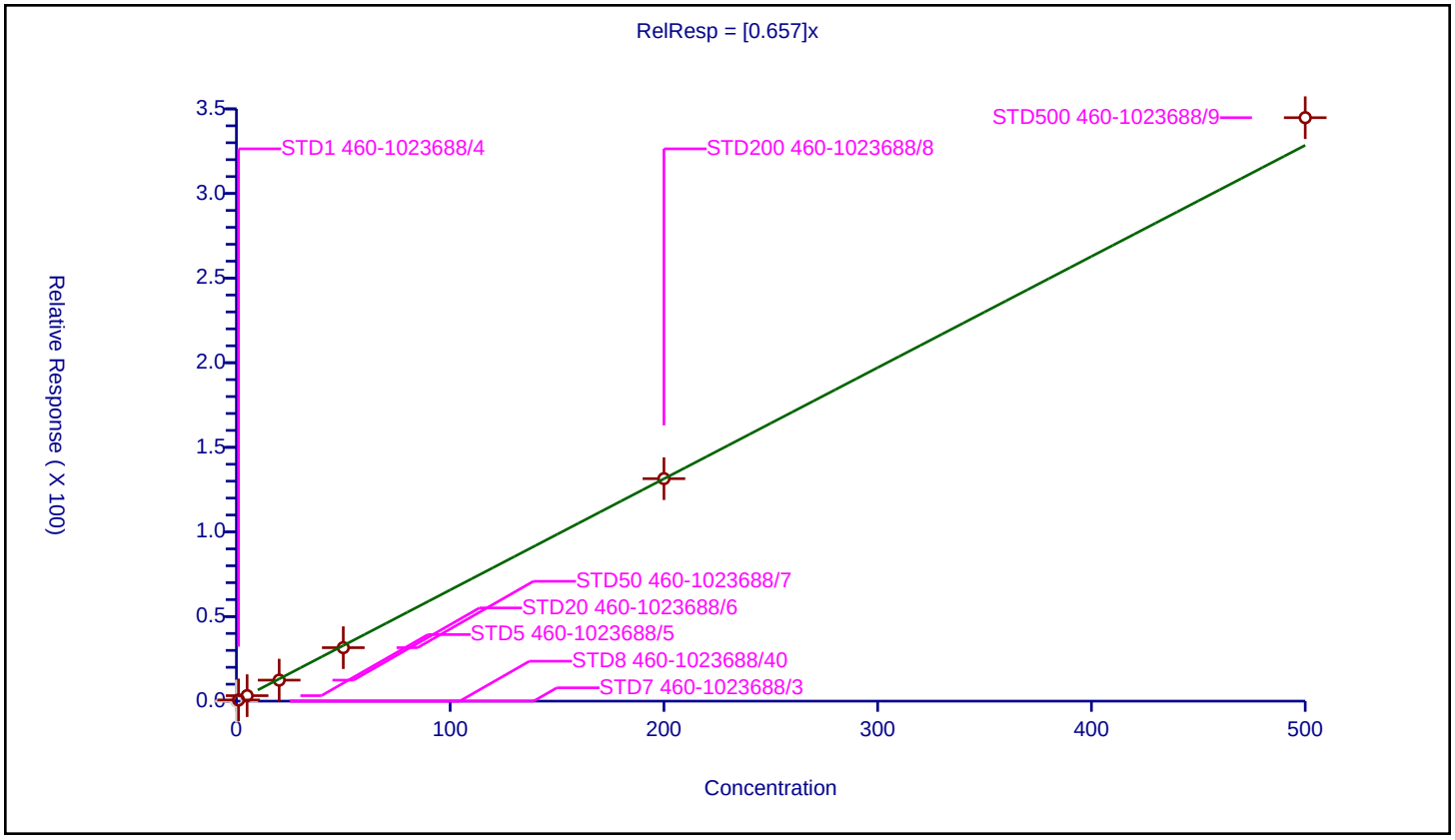
Curve Coefficients

Intercept:	0
Slope:	0.657

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.694627	50.0	517832.0	0.694627	Y
4	STD5 460-1023688/5	5.0	3.239409	50.0	502499.0	0.647882	Y
5	STD20 460-1023688/6	20.0	12.411687	50.0	510543.0	0.620584	Y
6	STD50 460-1023688/7	50.0	31.590807	50.0	518548.0	0.631816	Y
7	STD200 460-1023688/8	200.0	131.482246	50.0	516210.0	0.657411	Y
8	STD500 460-1023688/9	500.0	344.802775	50.0	530841.0	0.689606	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

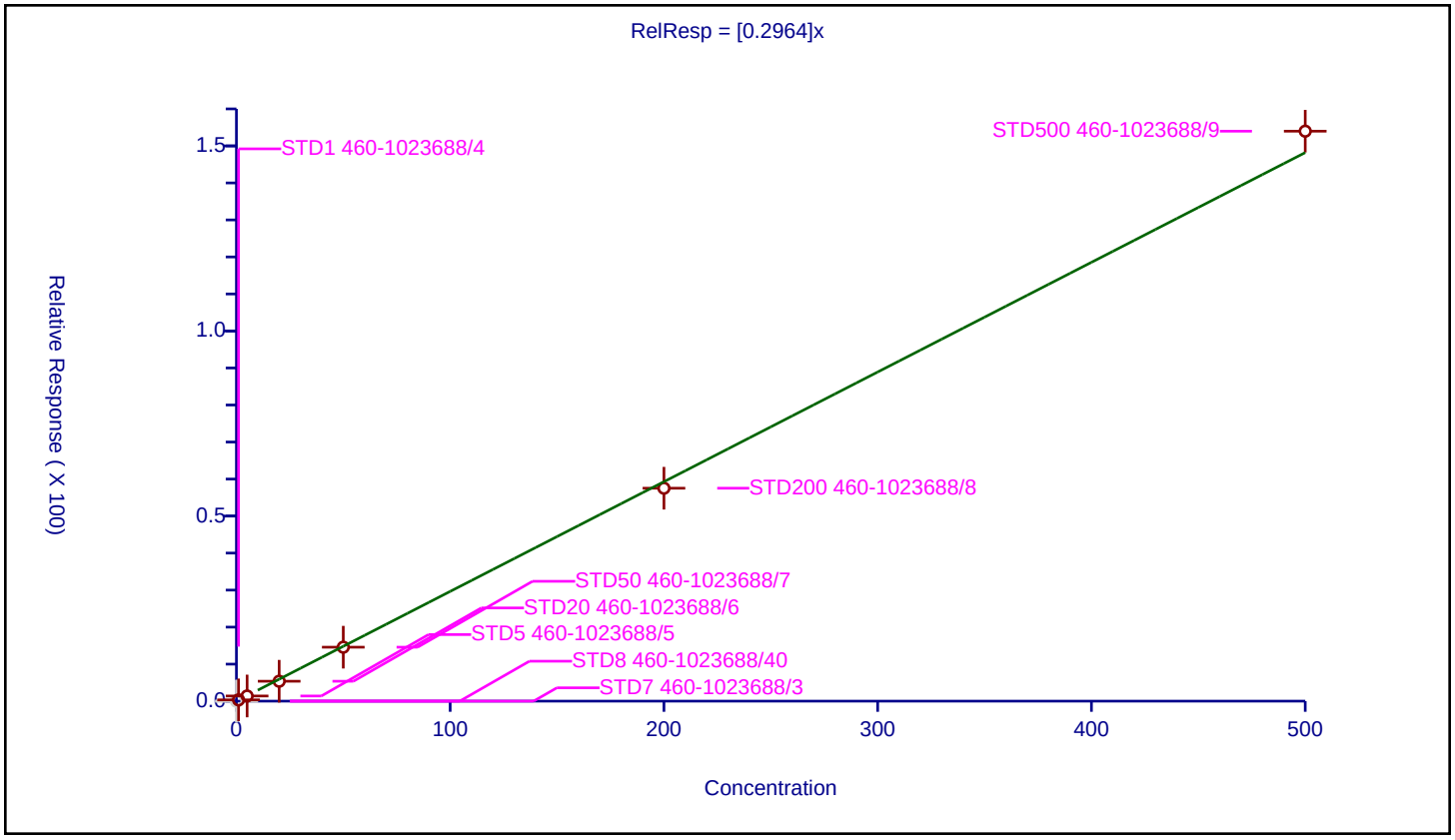
Curve Coefficients

Intercept:	0
Slope:	0.2964

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.344224	50.0	517832.0	0.344224	Y
4	STD5 460-1023688/5	5.0	1.390053	50.0	502499.0	0.278011	Y
5	STD20 460-1023688/6	20.0	5.37986	50.0	510543.0	0.268993	Y
6	STD50 460-1023688/7	50.0	14.573579	50.0	518548.0	0.291472	Y
7	STD200 460-1023688/8	200.0	57.522132	50.0	516210.0	0.287611	Y
8	STD500 460-1023688/9	500.0	153.980288	50.0	530841.0	0.307961	Y



Calibration / Acrylonitrile

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

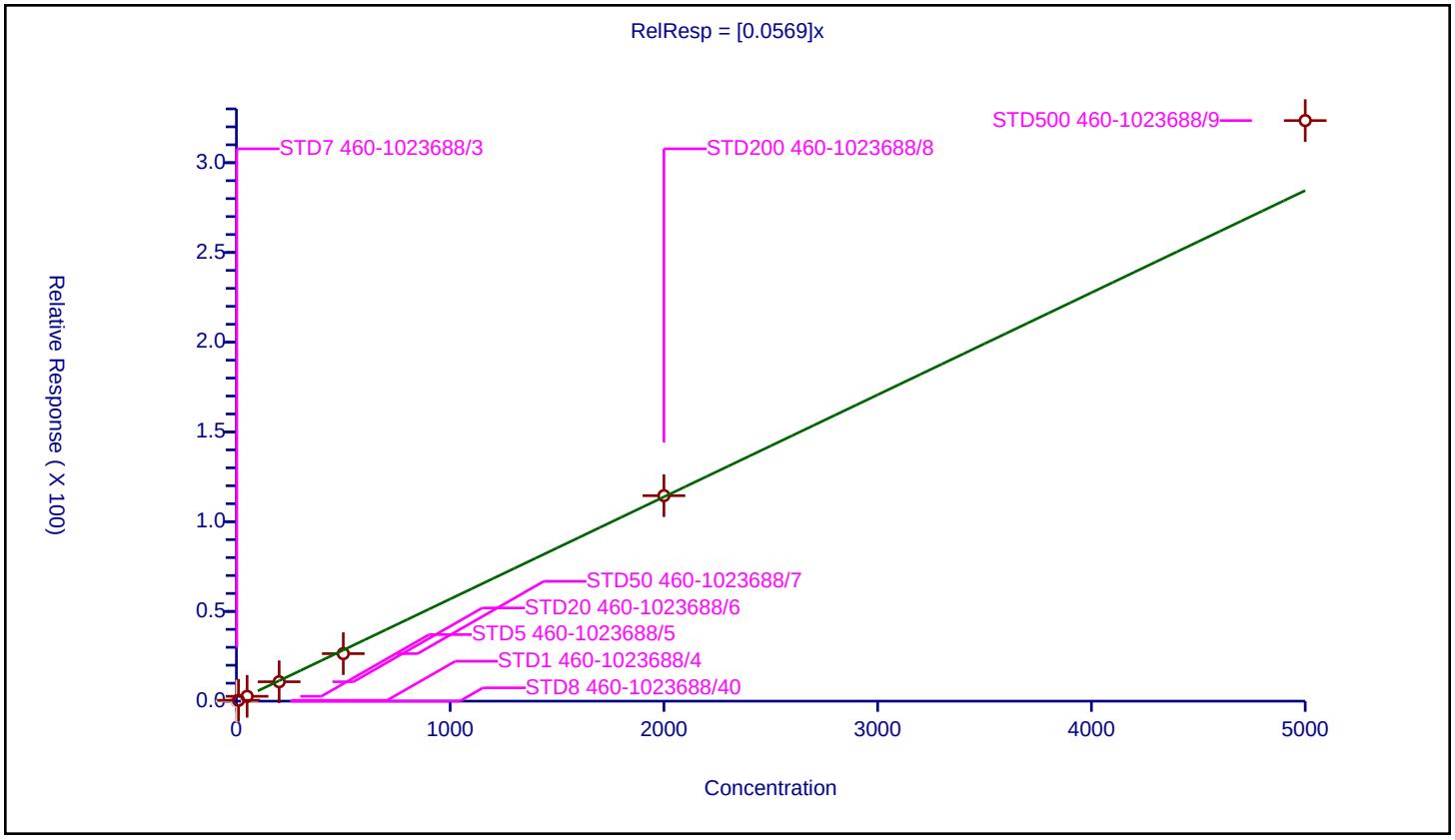
Curve Coefficients

Intercept:	0
Slope:	0.0569

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	2.0	0.134467	50.0	511649.0	0.067234	Y
2	STD8 460-1023688/40	2.0	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	10.0	0.481913	50.0	517832.0	0.048191	Y
4	STD5 460-1023688/5	50.0	2.701	50.0	502499.0	0.05402	Y
5	STD20 460-1023688/6	200.0	10.802518	50.0	510543.0	0.054013	Y
6	STD50 460-1023688/7	500.0	26.462449	50.0	518548.0	0.052925	Y
7	STD200 460-1023688/8	2000.0	114.48703	50.0	516210.0	0.057244	Y
8	STD500 460-1023688/9	5000.0	323.481984	50.0	530841.0	0.064696	Y



Calibration / Hexane

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

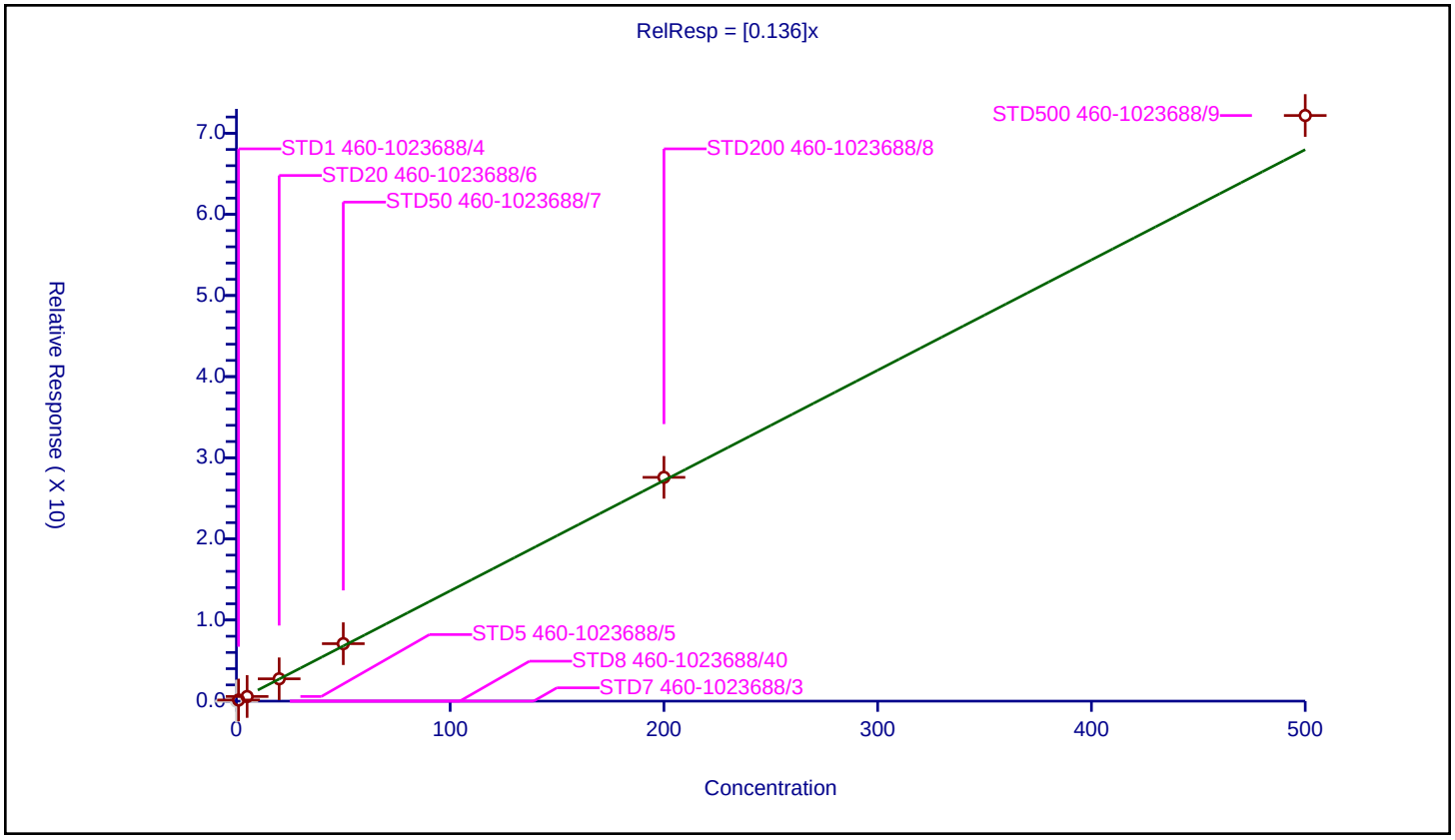
Curve Coefficients

Intercept:	0
Slope:	0.136

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.13991	50.0	517832.0	0.13991	Y
4	STD5 460-1023688/5	5.0	0.571245	50.0	502499.0	0.114249	Y
5	STD20 460-1023688/6	20.0	2.753049	50.0	510543.0	0.137652	Y
6	STD50 460-1023688/7	50.0	7.083626	50.0	518548.0	0.141673	Y
7	STD200 460-1023688/8	200.0	27.585382	50.0	516210.0	0.137927	Y
8	STD500 460-1023688/9	500.0	72.184797	50.0	530841.0	0.14437	Y



Calibration / Isopropyl ether

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

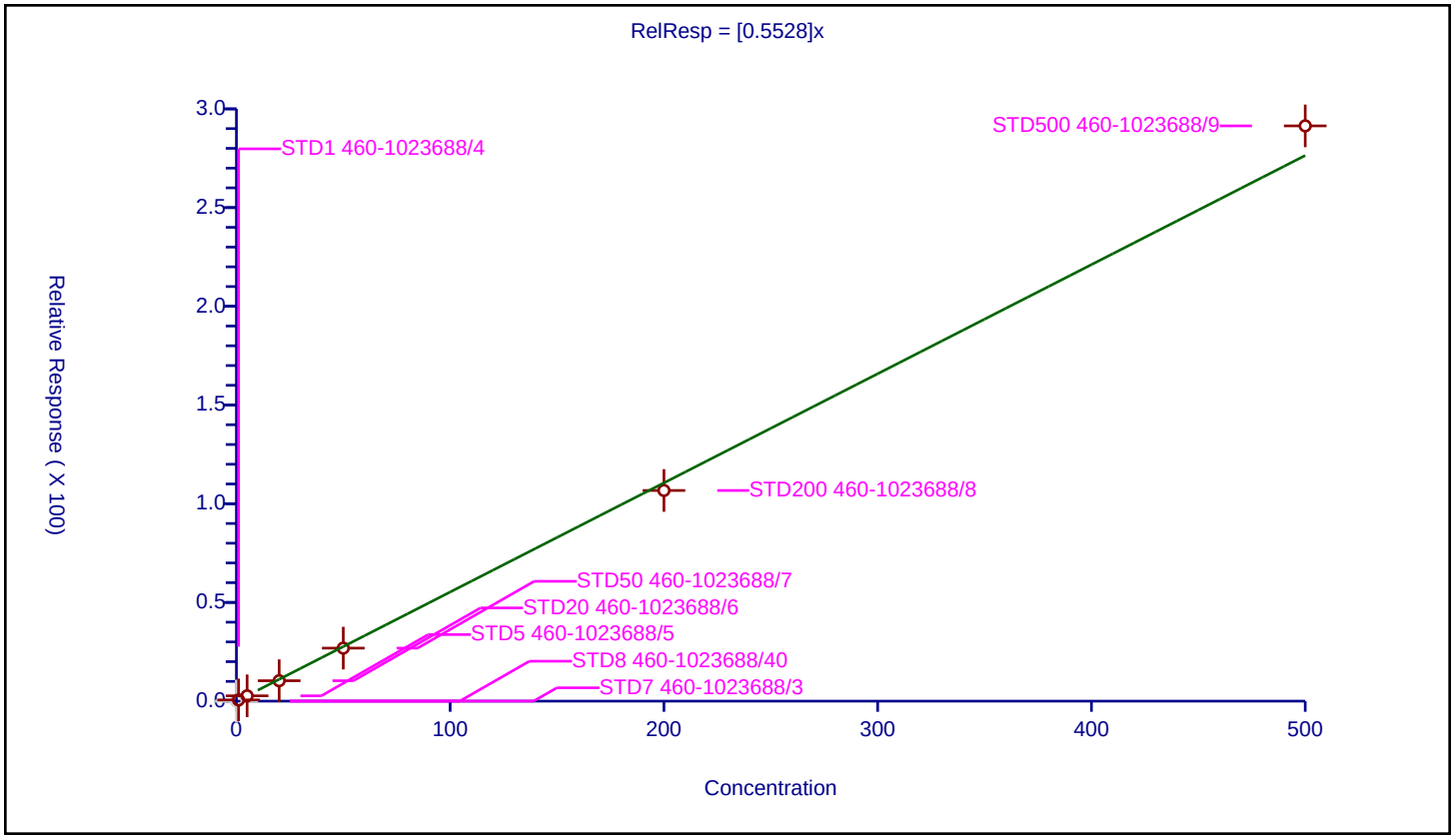
Curve Coefficients

Intercept:	0
Slope:	0.5528

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.608112	50.0	517832.0	0.608112	Y
4	STD5 460-1023688/5	5.0	2.690354	50.0	502499.0	0.538071	Y
5	STD20 460-1023688/6	20.0	10.342126	50.0	510543.0	0.517106	Y
6	STD50 460-1023688/7	50.0	26.852095	50.0	518548.0	0.537042	Y
7	STD200 460-1023688/8	200.0	106.709382	50.0	516210.0	0.533547	Y
8	STD500 460-1023688/9	500.0	291.399025	50.0	530841.0	0.582798	Y



Calibration / 1,1-Dichloroethane

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

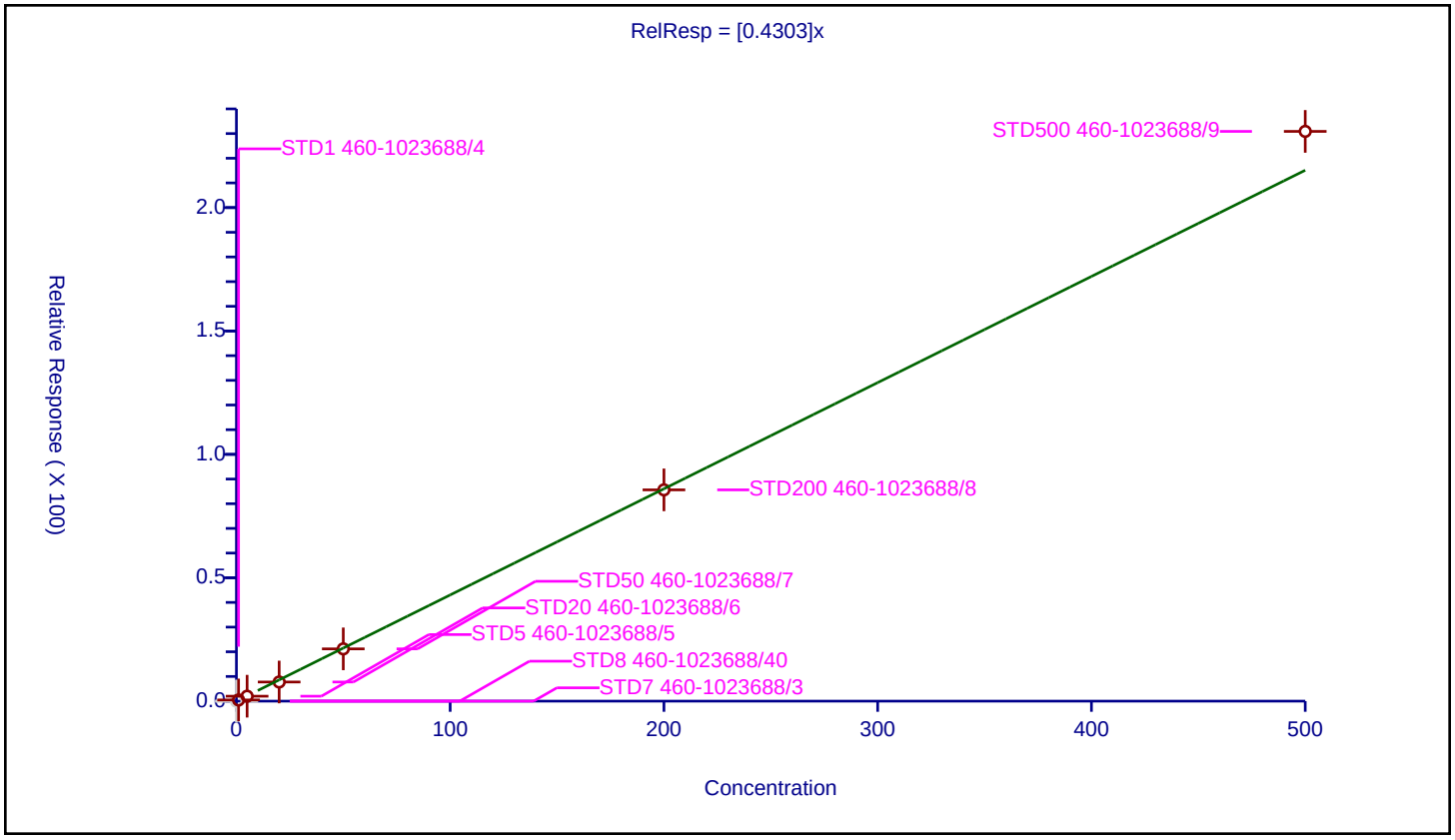
Curve Coefficients

Intercept:	0
Slope:	0.4303

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.479403	50.0	517832.0	0.479403	Y
4	STD5 460-1023688/5	5.0	2.003586	50.0	502499.0	0.400717	Y
5	STD20 460-1023688/6	20.0	7.759679	50.0	510543.0	0.387984	Y
6	STD50 460-1023688/7	50.0	21.179621	50.0	518548.0	0.423592	Y
7	STD200 460-1023688/8	200.0	85.61661	50.0	516210.0	0.428083	Y
8	STD500 460-1023688/9	500.0	230.882317	50.0	530841.0	0.461765	Y



Calibration / Vinyl acetate

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

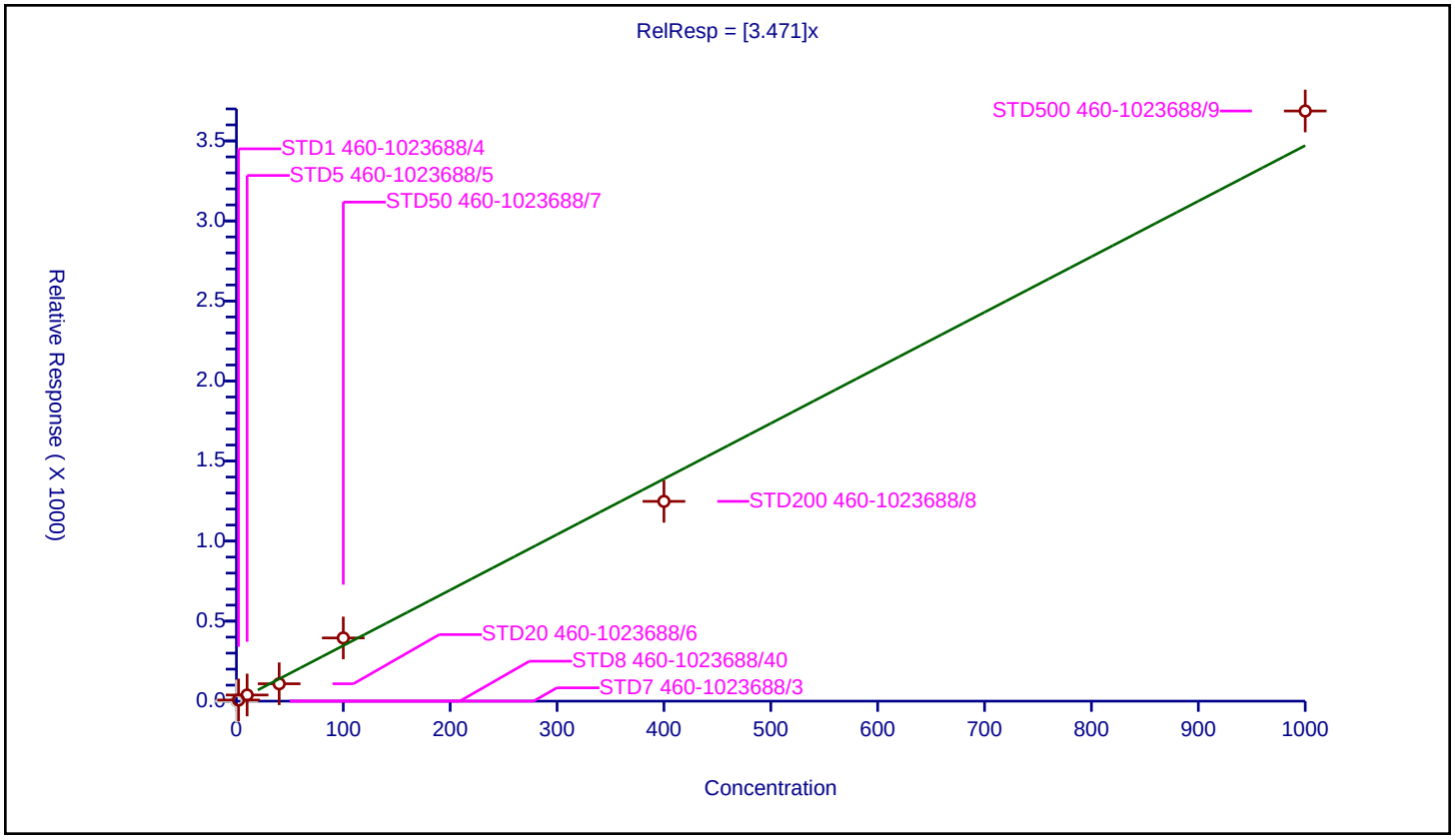
Curve Coefficients

Intercept:	0
Slope:	3.471

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	2.0	7.042611	1000.0	138017.0	3.521305	Y
4	STD5 460-1023688/5	10.0	38.327084	1000.0	149607.0	3.832708	Y
5	STD20 460-1023688/6	40.0	108.647583	1000.0	150597.0	2.71619	Y
6	STD50 460-1023688/7	100.0	394.790875	1000.0	132959.0	3.947909	Y
7	STD200 460-1023688/8	400.0	1248.107141	1000.0	155981.0	3.120268	Y
8	STD500 460-1023688/9	1000.0	3686.785416	1000.0	159271.0	3.686785	Y



Calibration / 2-Chloro-1,3-butadiene

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

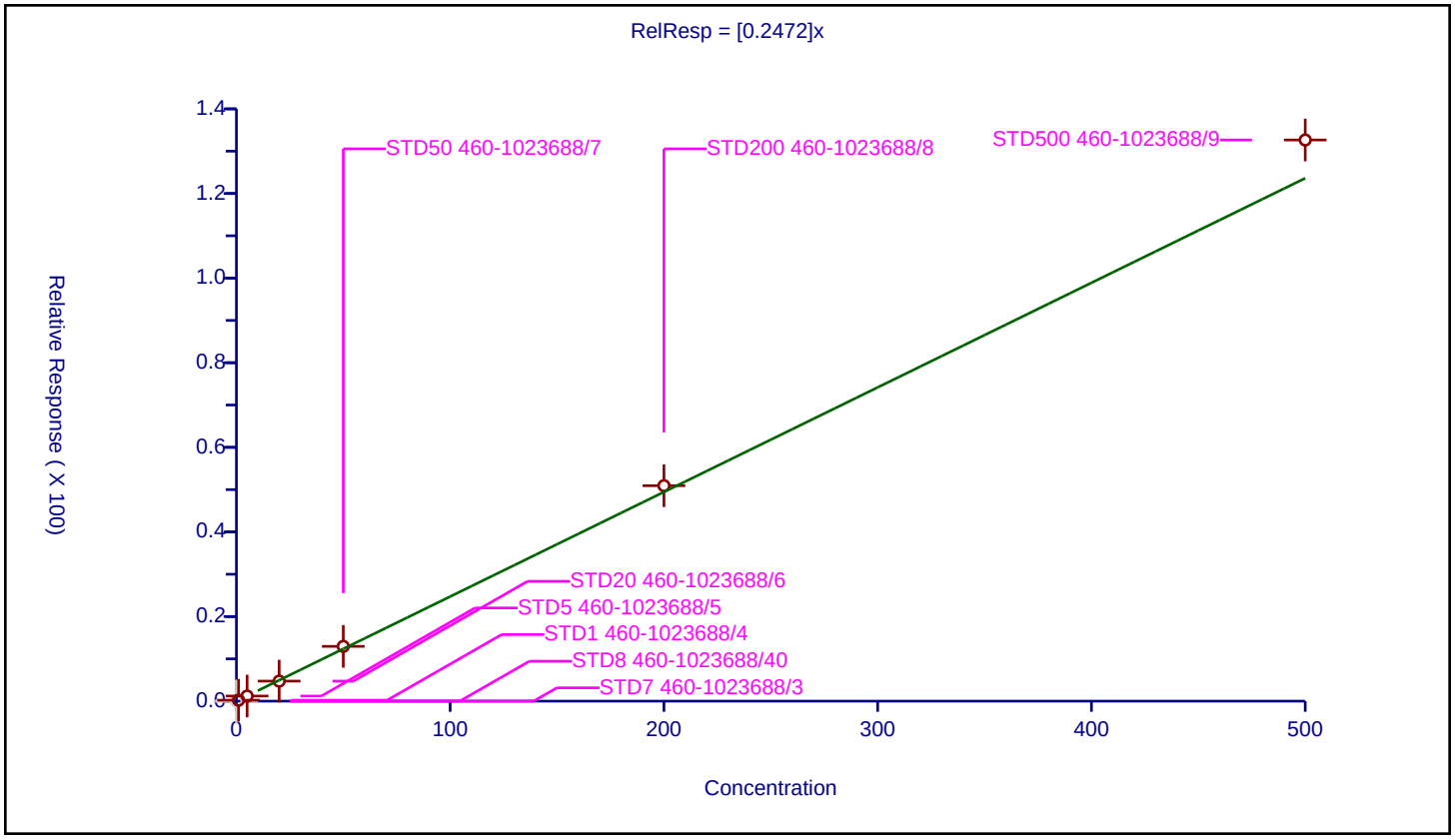
Curve Coefficients

Intercept:	0
Slope:	0.2472

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.225556	50.0	517832.0	0.225556	Y
4	STD5 460-1023688/5	5.0	1.21055	50.0	502499.0	0.24211	Y
5	STD20 460-1023688/6	20.0	4.734567	50.0	510543.0	0.236728	Y
6	STD50 460-1023688/7	50.0	12.949139	50.0	518548.0	0.258983	Y
7	STD200 460-1023688/8	200.0	50.931016	50.0	516210.0	0.254655	Y
8	STD500 460-1023688/9	500.0	132.648288	50.0	530841.0	0.265297	Y



Calibration / Tert-butyl ethyl ether

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

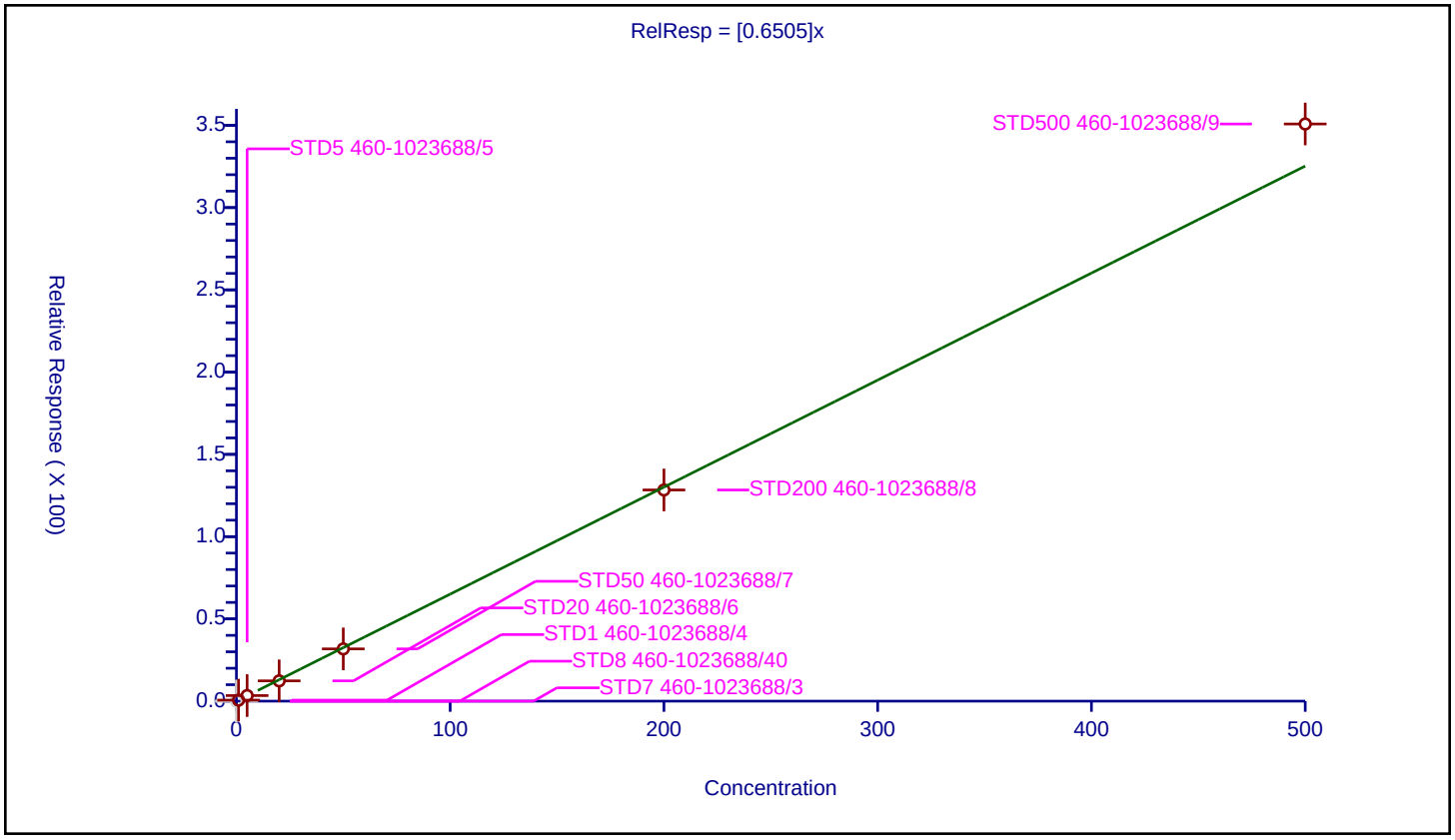
Curve Coefficients

Intercept:	0
Slope:	0.6505

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.628486	50.0	517832.0	0.628486	Y
4	STD5 460-1023688/5	5.0	3.398116	50.0	502499.0	0.679623	Y
5	STD20 460-1023688/6	20.0	12.326778	50.0	510543.0	0.616339	Y
6	STD50 460-1023688/7	50.0	31.748073	50.0	518548.0	0.634961	Y
7	STD200 460-1023688/8	200.0	128.354546	50.0	516210.0	0.641773	Y
8	STD500 460-1023688/9	500.0	350.815027	50.0	530841.0	0.70163	Y



Calibration / 2,2-Dichloropropane

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

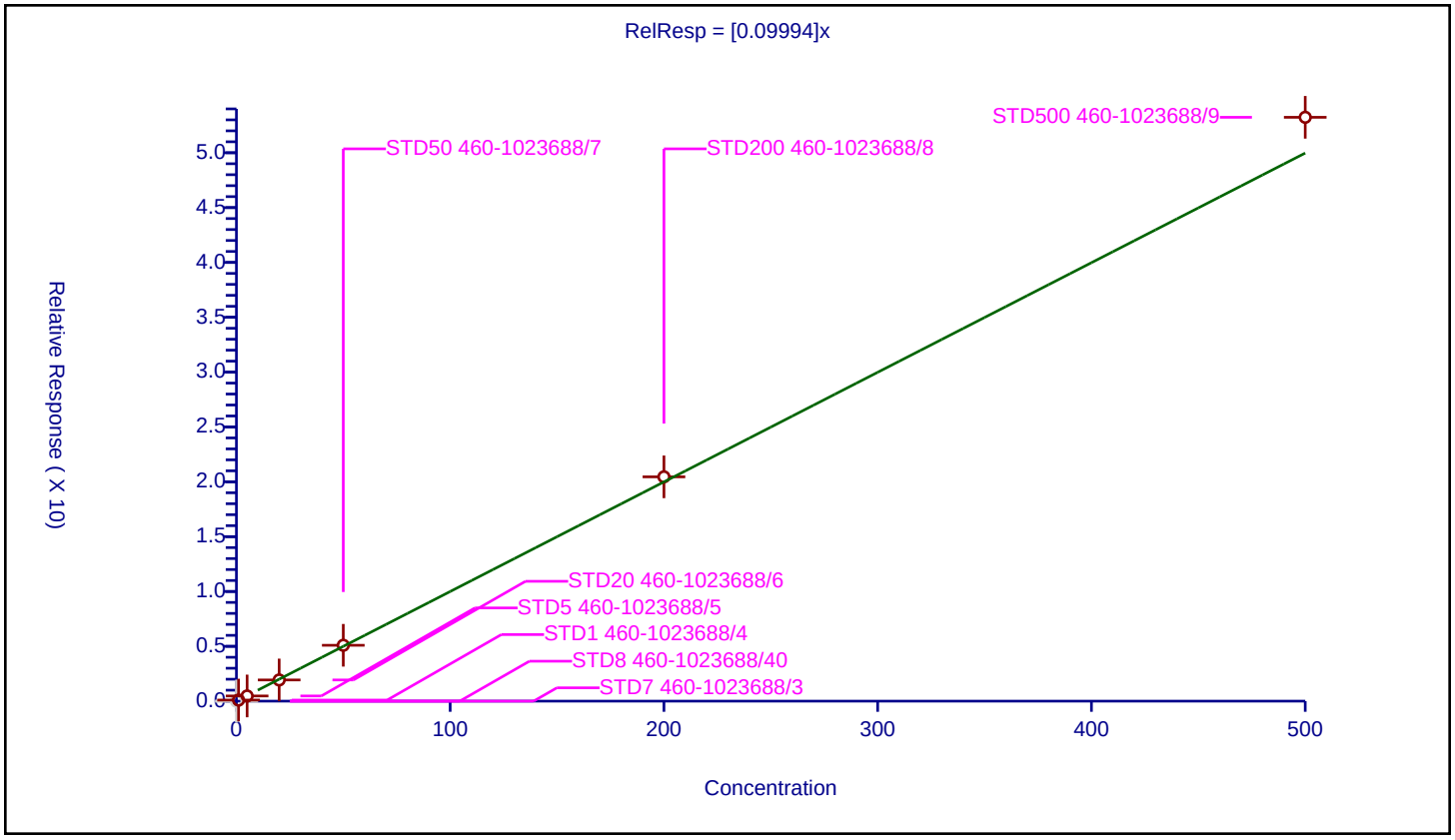
Curve Coefficients

Intercept:	0
Slope:	0.09994

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.098005	50.0	517832.0	0.098005	Y
4	STD5 460-1023688/5	5.0	0.47214	50.0	502499.0	0.094428	Y
5	STD20 460-1023688/6	20.0	1.932942	50.0	510543.0	0.096647	Y
6	STD50 460-1023688/7	50.0	5.092875	50.0	518548.0	0.101857	Y
7	STD200 460-1023688/8	200.0	20.450882	50.0	516210.0	0.102254	Y
8	STD500 460-1023688/9	500.0	53.233454	50.0	530841.0	0.106467	Y



Calibration / 2-Butanone (MEK)

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

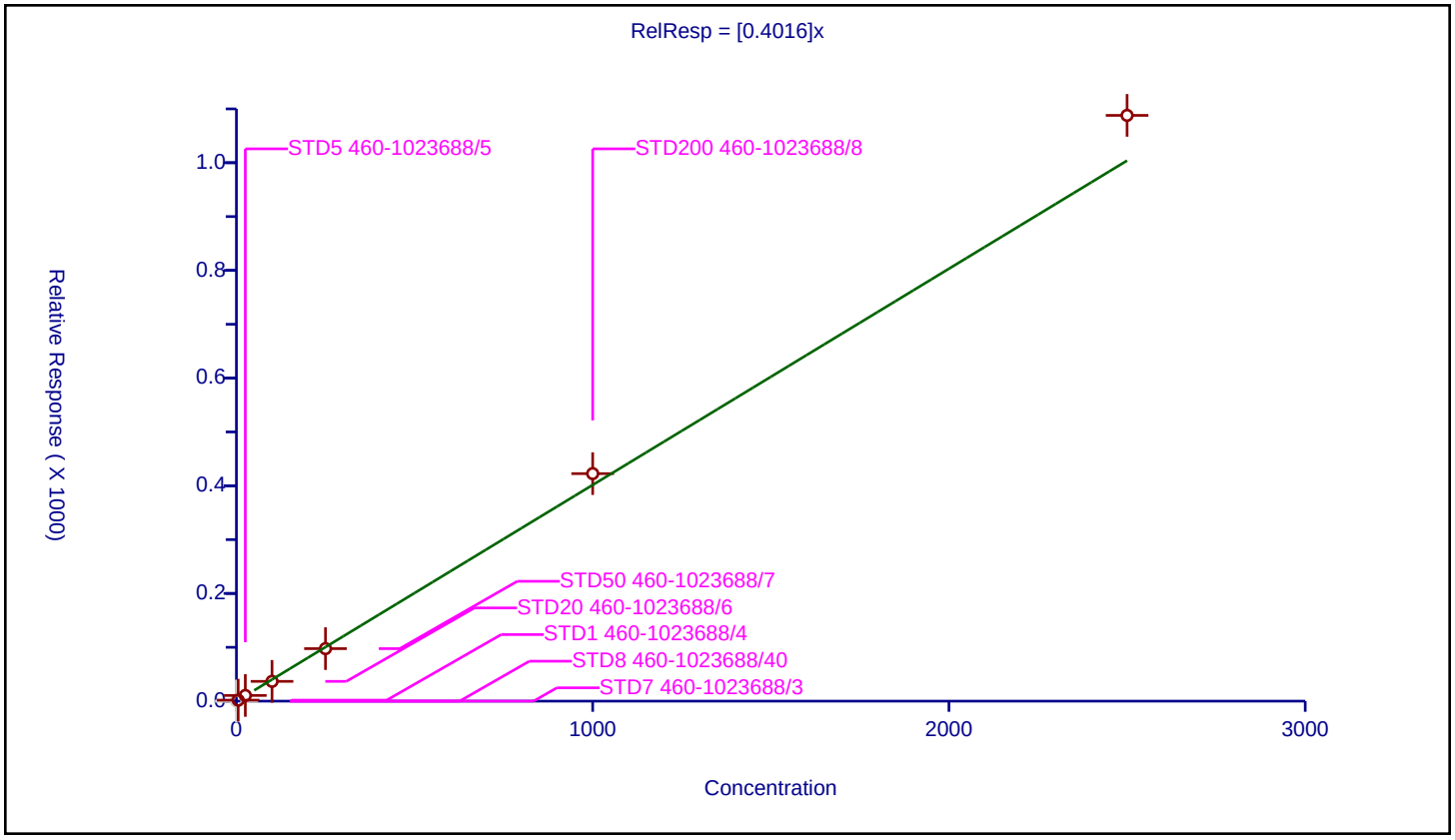
Curve Coefficients

Intercept:	0
Slope:	0.4016

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	1.0	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	5.0	1.854759	250.0	128049.0	0.370952	Y
4	STD5 460-1023688/5	25.0	10.579734	250.0	134786.0	0.423189	Y
5	STD20 460-1023688/6	100.0	36.747698	250.0	138342.0	0.367477	Y
6	STD50 460-1023688/7	250.0	97.505745	250.0	127513.0	0.390023	Y
7	STD200 460-1023688/8	1000.0	422.586264	250.0	141803.0	0.422586	Y
8	STD500 460-1023688/9	2500.0	1087.926525	250.0	162505.0	0.435171	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

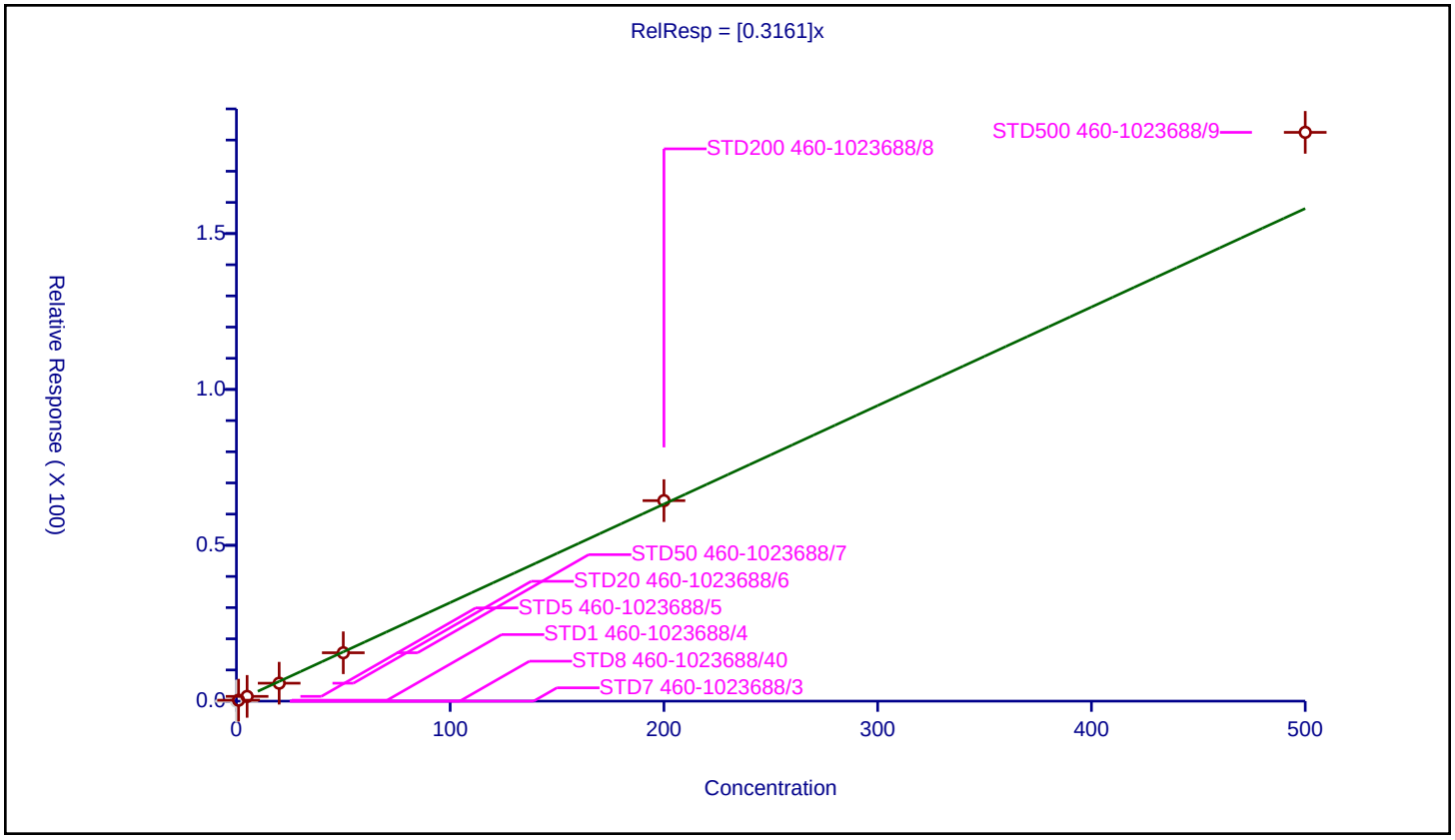
Curve Coefficients

Intercept:	0
Slope:	0.3161

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.306953	50.0	517832.0	0.306953	Y
4	STD5 460-1023688/5	5.0	1.523784	50.0	502499.0	0.304757	Y
5	STD20 460-1023688/6	20.0	5.755539	50.0	510543.0	0.287777	Y
6	STD50 460-1023688/7	50.0	15.519778	50.0	518548.0	0.310396	Y
7	STD200 460-1023688/8	200.0	64.327018	50.0	516210.0	0.321635	Y
8	STD500 460-1023688/9	500.0	182.470175	50.0	530841.0	0.36494	Y



Calibration / Ethyl acetate

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

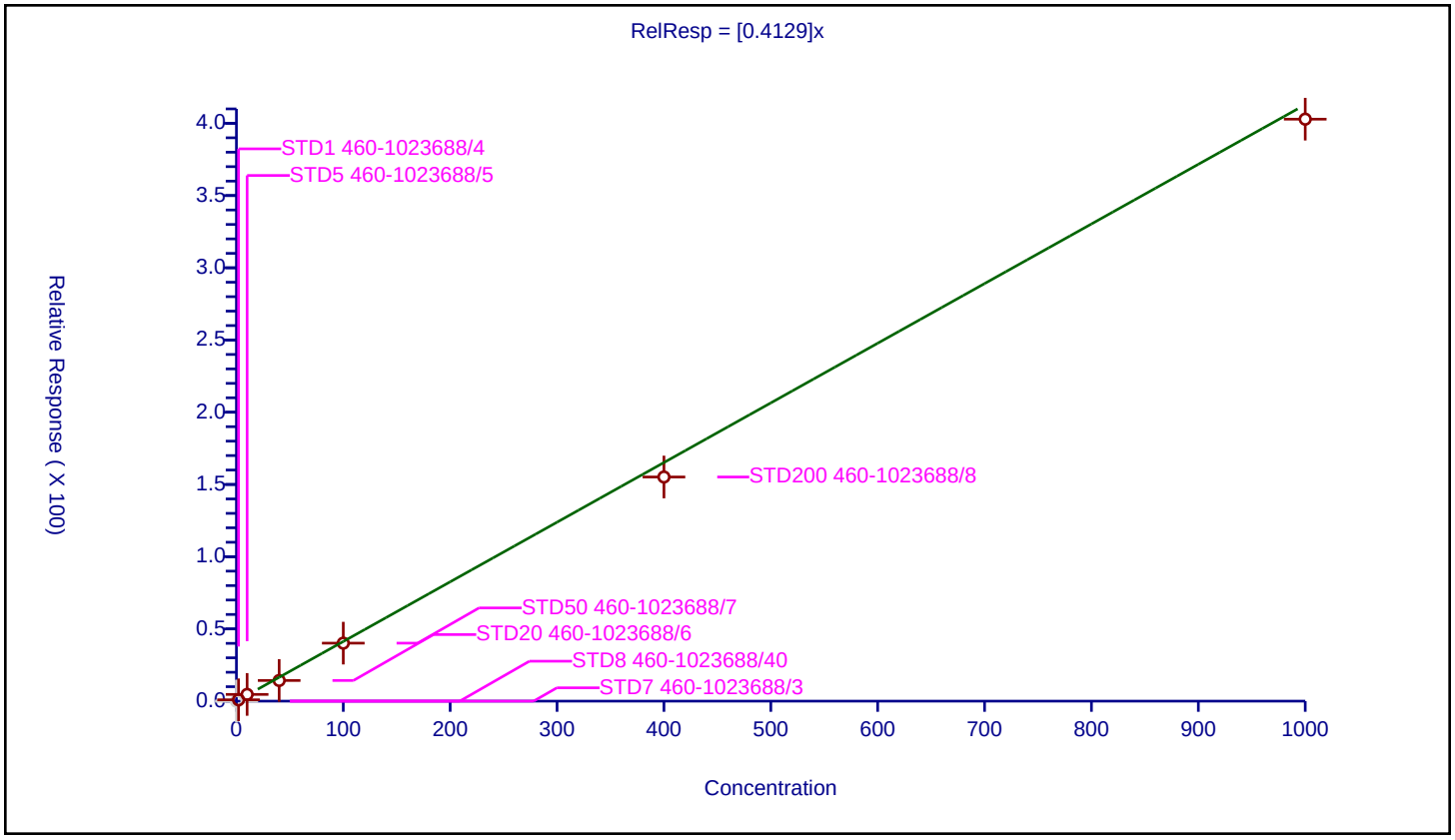
Curve Coefficients

Intercept:	0
Slope:	0.4129

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	2.0	0.923475	250.0	128049.0	0.461737	Y
4	STD5 460-1023688/5	10.0	4.661092	250.0	134786.0	0.466109	Y
5	STD20 460-1023688/6	40.0	14.296092	250.0	138342.0	0.357402	Y
6	STD50 460-1023688/7	100.0	40.15669	250.0	127513.0	0.401567	Y
7	STD200 460-1023688/8	400.0	155.167733	250.0	141803.0	0.387919	Y
8	STD500 460-1023688/9	1000.0	402.89068	250.0	162505.0	0.402891	Y



Calibration / Methyl acrylate

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

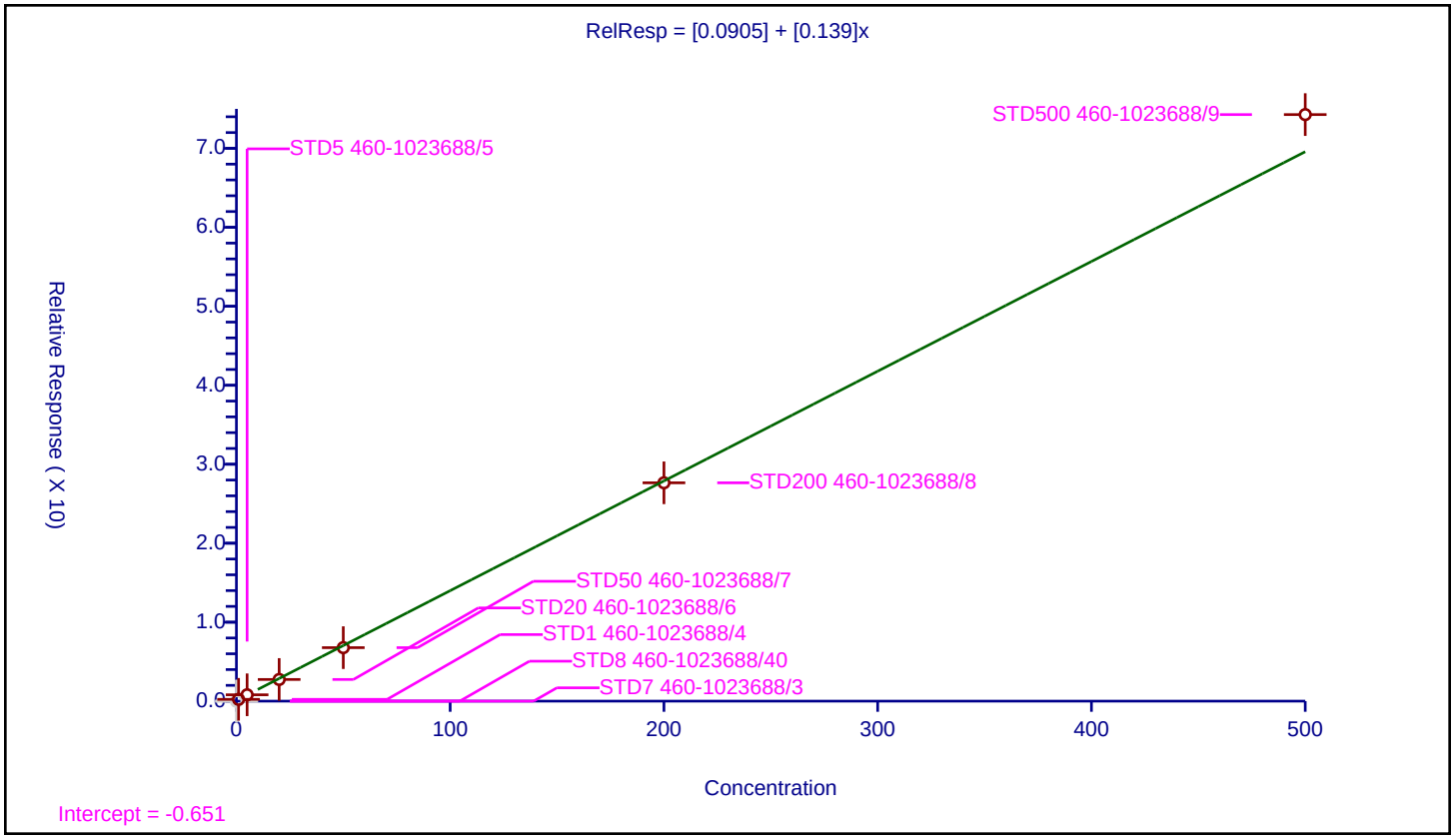
Curve Coefficients

Intercept:	0.0905
Slope:	0.139

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.229128	50.0	517832.0	0.229128	Y
4	STD5 460-1023688/5	5.0	0.804081	50.0	502499.0	0.160816	Y
5	STD20 460-1023688/6	20.0	2.743452	50.0	510543.0	0.137173	Y
6	STD50 460-1023688/7	50.0	6.773433	50.0	518548.0	0.135469	Y
7	STD200 460-1023688/8	200.0	27.649213	50.0	516210.0	0.138246	Y
8	STD500 460-1023688/9	500.0	74.277703	50.0	530841.0	0.148555	Y



Calibration / Propionitrile

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

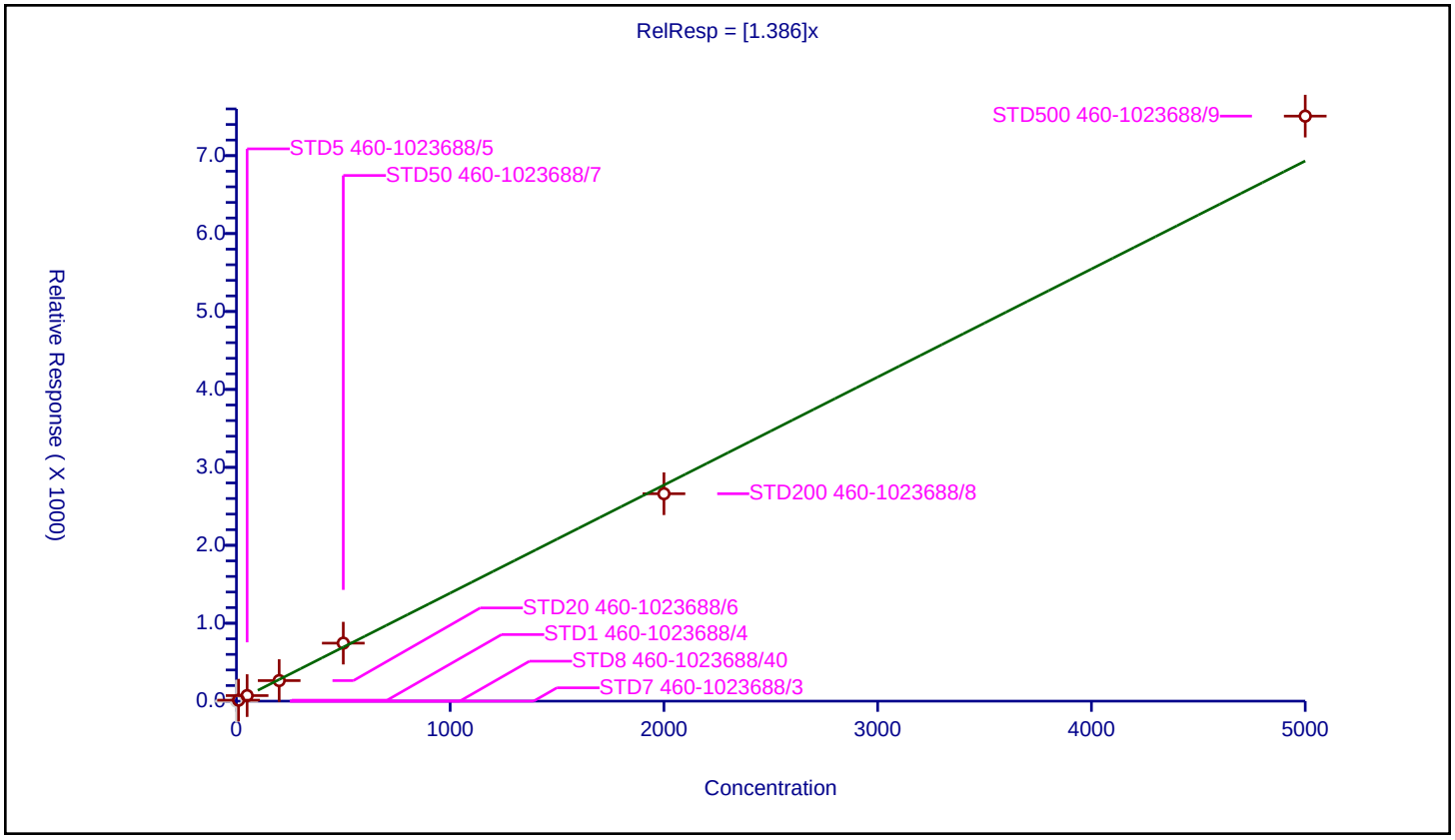
Curve Coefficients

Intercept:	0
Slope:	1.386

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	2.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	10.0	12.56367	1000.0	138017.0	1.256367	Y
4	STD5 460-1023688/5	50.0	71.166456	1000.0	149607.0	1.423329	Y
5	STD20 460-1023688/6	200.0	263.577628	1000.0	150597.0	1.317888	Y
6	STD50 460-1023688/7	500.0	744.124128	1000.0	132959.0	1.488248	Y
7	STD200 460-1023688/8	2000.0	2661.529289	1000.0	155981.0	1.330765	Y
8	STD500 460-1023688/9	5000.0	7507.330274	1000.0	159271.0	1.501466	Y



Calibration / Tetrahydrofuran

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

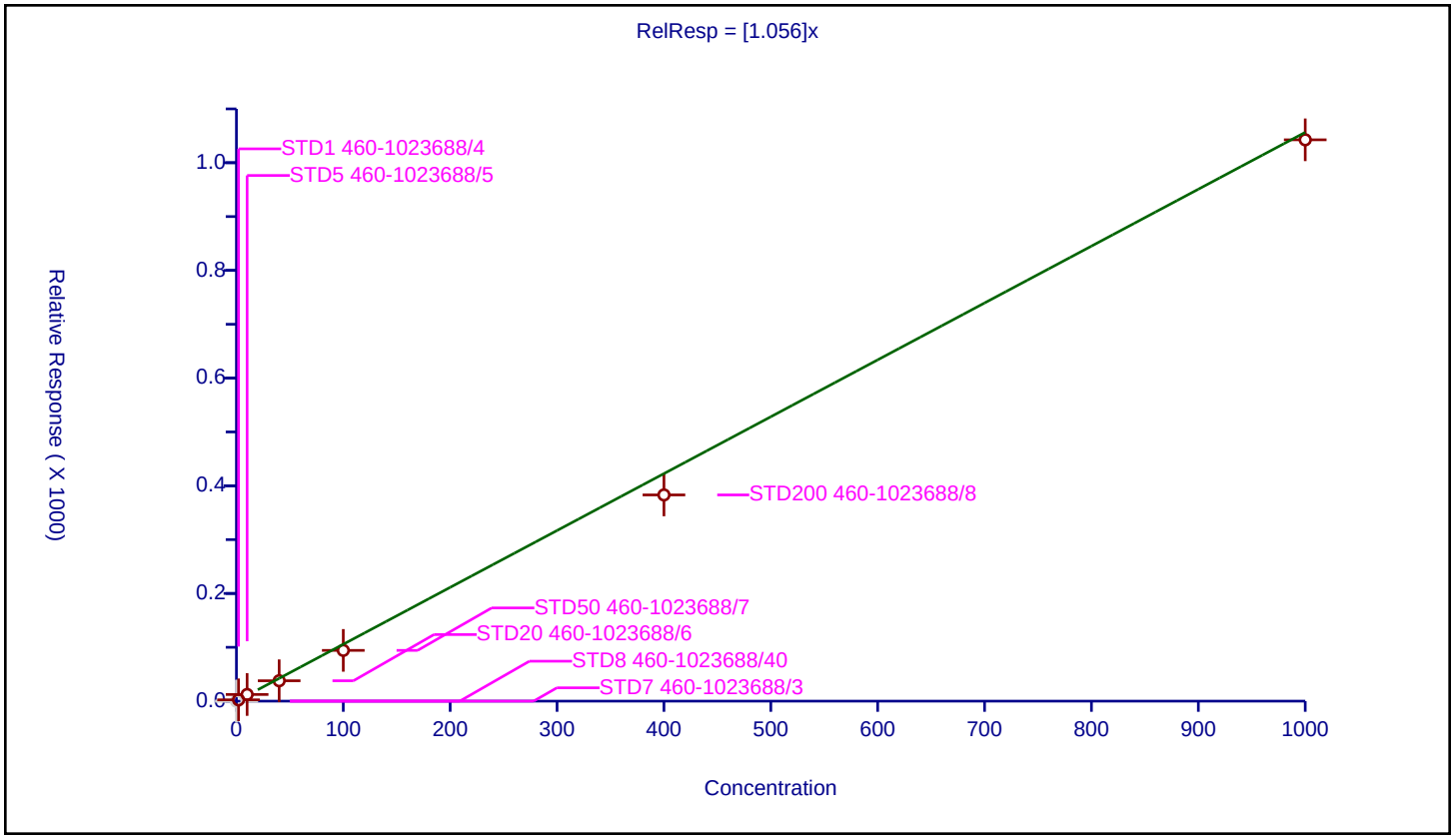
Curve Coefficients

Intercept:	0
Slope:	1.056

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	2.0	2.426805	250.0	128049.0	1.213403	Y
4	STD5 460-1023688/5	10.0	12.358479	250.0	134786.0	1.235848	Y
5	STD20 460-1023688/6	40.0	37.873531	250.0	138342.0	0.946838	Y
6	STD50 460-1023688/7	100.0	94.241371	250.0	127513.0	0.942414	Y
7	STD200 460-1023688/8	400.0	383.017285	250.0	141803.0	0.957543	Y
8	STD500 460-1023688/9	1000.0	1042.572536	250.0	162505.0	1.042573	Y



Calibration / Chlorobromomethane

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

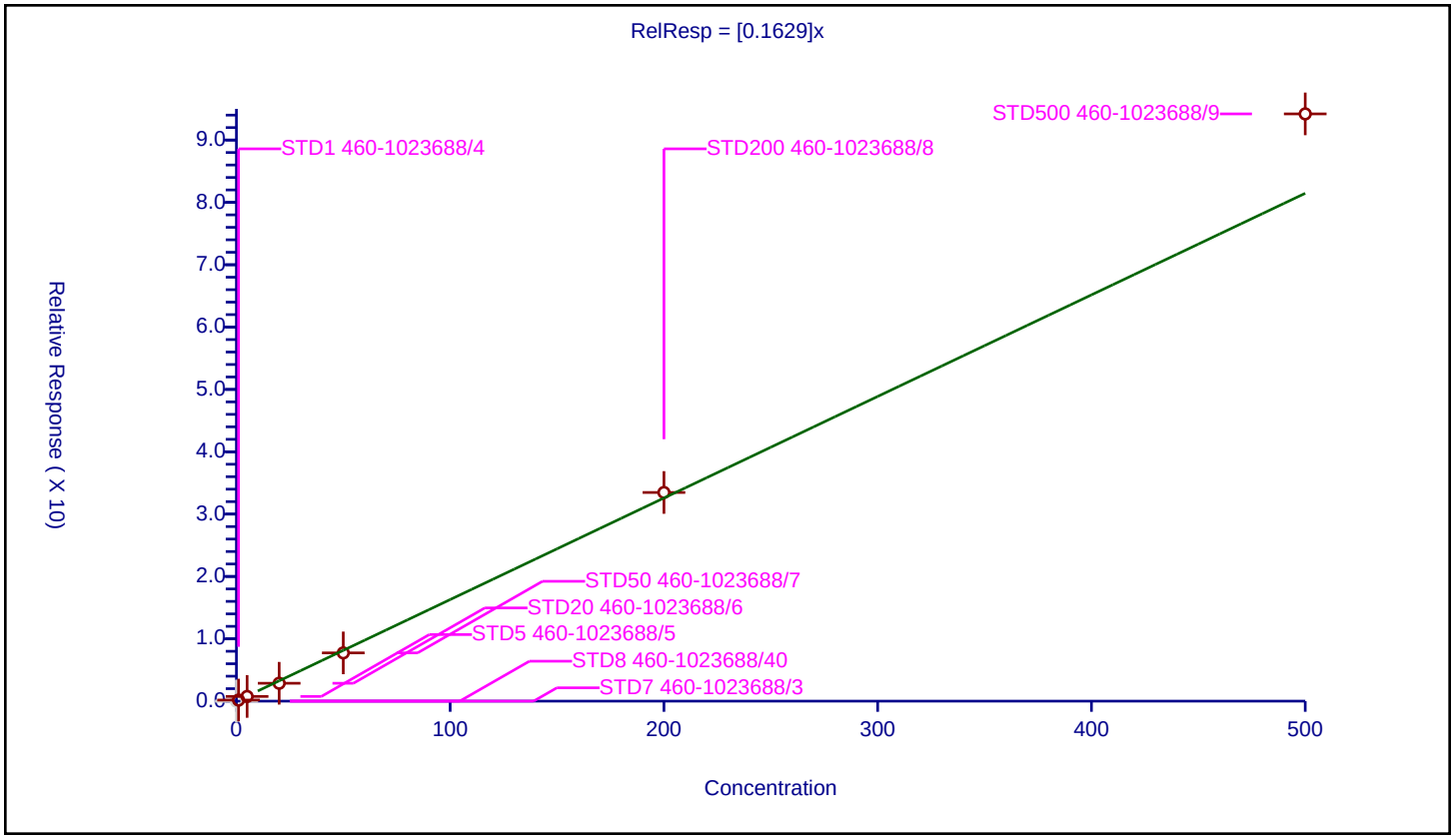
Curve Coefficients

Intercept:	0
Slope:	0.1629

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.172643	50.0	517832.0	0.172643	Y
4	STD5 460-1023688/5	5.0	0.753932	50.0	502499.0	0.150786	Y
5	STD20 460-1023688/6	20.0	2.870473	50.0	510543.0	0.143524	Y
6	STD50 460-1023688/7	50.0	7.739014	50.0	518548.0	0.15478	Y
7	STD200 460-1023688/8	200.0	33.469421	50.0	516210.0	0.167347	Y
8	STD500 460-1023688/9	500.0	94.198357	50.0	530841.0	0.188397	Y



Calibration / Methacrylonitrile

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

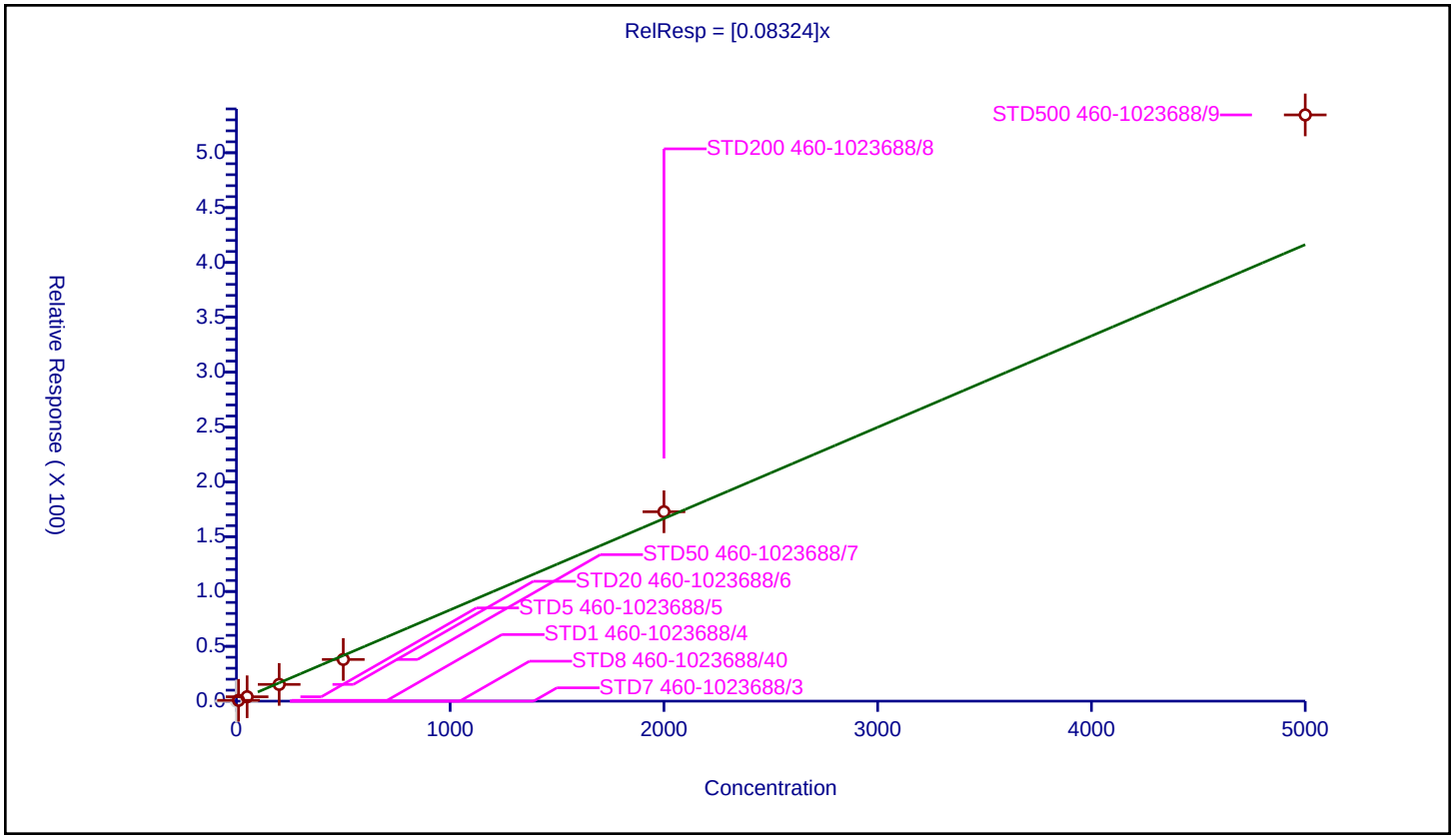
Curve Coefficients

Intercept:	0
Slope:	0.08324

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	2.0	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	10.0	0.740684	50.0	517832.0	0.074068	Y
4	STD5 460-1023688/5	50.0	3.987471	50.0	502499.0	0.079749	Y
5	STD20 460-1023688/6	200.0	15.269527	50.0	510543.0	0.076348	Y
6	STD50 460-1023688/7	500.0	38.025024	50.0	518548.0	0.07605	Y
7	STD200 460-1023688/8	2000.0	172.670231	50.0	516210.0	0.086335	Y
8	STD500 460-1023688/9	5000.0	534.513159	50.0	530841.0	0.106903	Y



Calibration / Chloroform

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

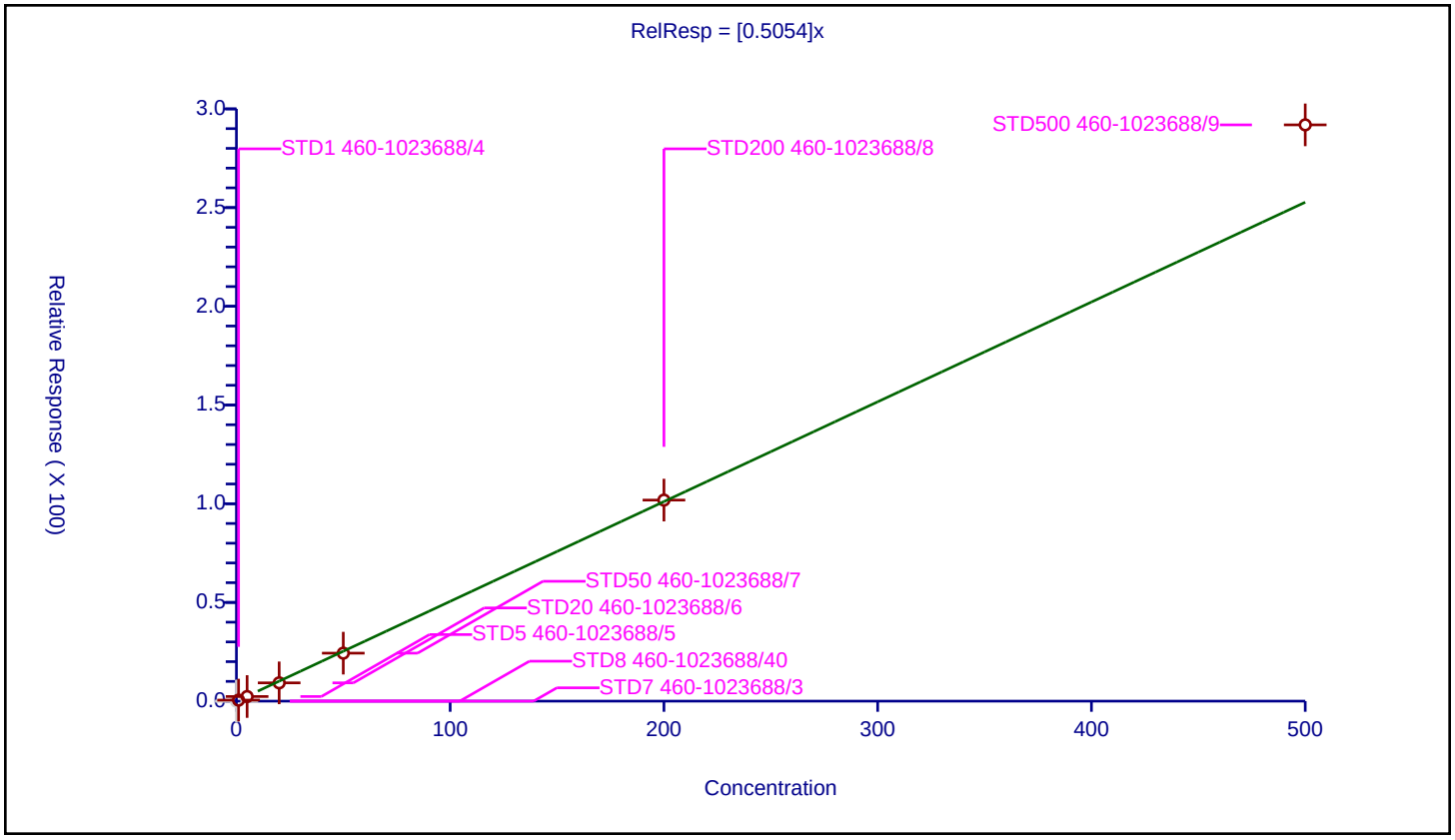
Curve Coefficients

Intercept:	0
Slope:	0.5054

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.522853	50.0	517832.0	0.522853	Y
4	STD5 460-1023688/5	5.0	2.337915	50.0	502499.0	0.467583	Y
5	STD20 460-1023688/6	20.0	9.258084	50.0	510543.0	0.462904	Y
6	STD50 460-1023688/7	50.0	24.308743	50.0	518548.0	0.486175	Y
7	STD200 460-1023688/8	200.0	101.837527	50.0	516210.0	0.509188	Y
8	STD500 460-1023688/9	500.0	291.905392	50.0	530841.0	0.583811	Y



Calibration / Cyclohexane

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

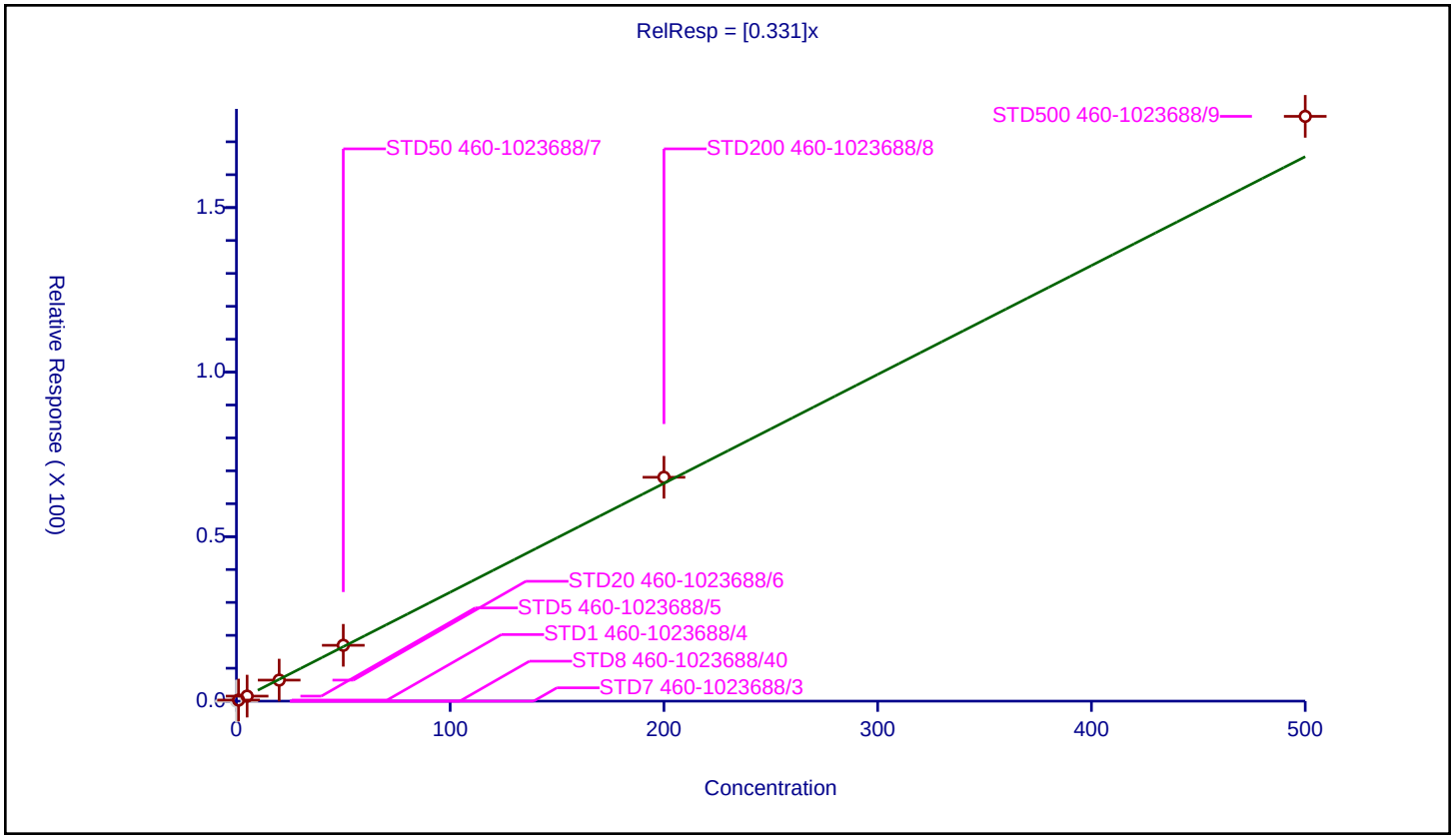
Curve Coefficients

Intercept:	0
Slope:	0.331

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.325395	50.0	517832.0	0.325395	Y
4	STD5 460-1023688/5	5.0	1.529754	50.0	502499.0	0.305951	Y
5	STD20 460-1023688/6	20.0	6.387807	50.0	510543.0	0.31939	Y
6	STD50 460-1023688/7	50.0	16.971428	50.0	518548.0	0.339429	Y
7	STD200 460-1023688/8	200.0	68.038395	50.0	516210.0	0.340192	Y
8	STD500 460-1023688/9	500.0	177.72949	50.0	530841.0	0.355459	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

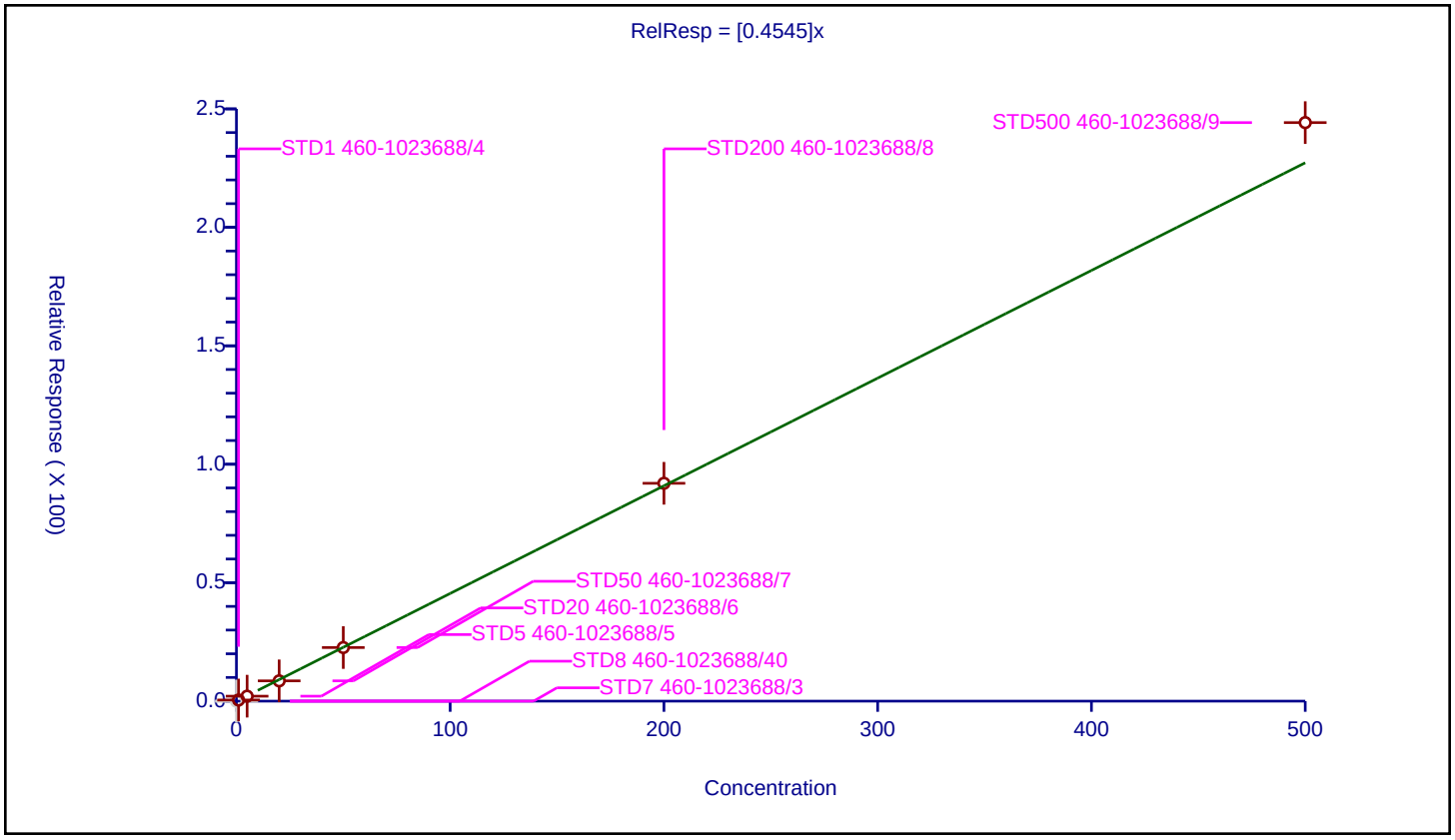
Curve Coefficients

Intercept:	0
Slope:	0.4545

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.479016	50.0	517832.0	0.479016	Y
4	STD5 460-1023688/5	5.0	2.096522	50.0	502499.0	0.419304	Y
5	STD20 460-1023688/6	20.0	8.561473	50.0	510543.0	0.428074	Y
6	STD50 460-1023688/7	50.0	22.620567	50.0	518548.0	0.452411	Y
7	STD200 460-1023688/8	200.0	91.961411	50.0	516210.0	0.459807	Y
8	STD500 460-1023688/9	500.0	244.207776	50.0	530841.0	0.488416	Y



Calibration / Dibromofluoromethane (Surr)

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

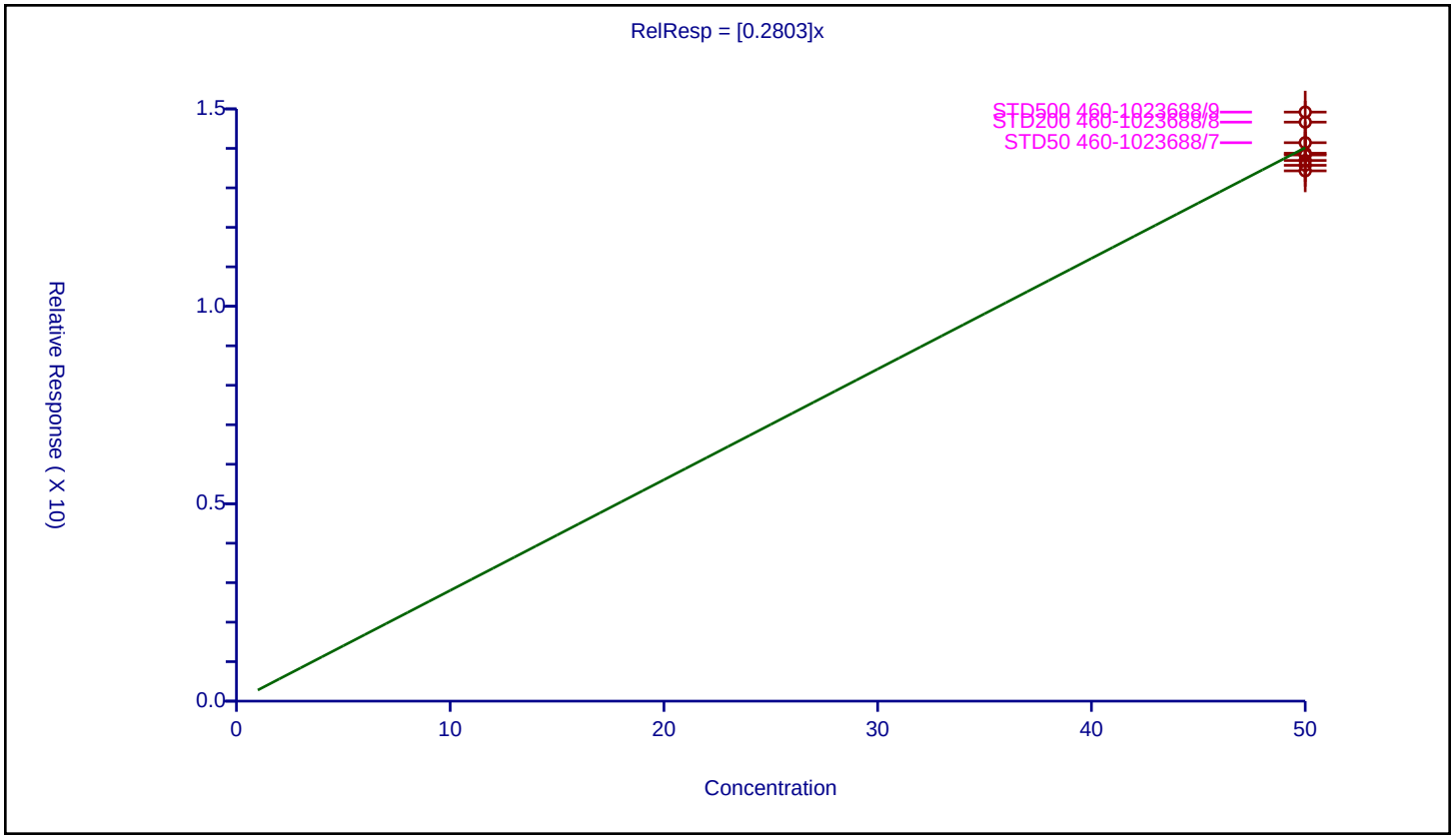
Curve Coefficients

Intercept:	0
Slope:	0.2803

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	50.0	13.694154	50.0	511649.0	0.273883	Y
2	STD1 460-1023688/4	50.0	13.431093	50.0	517832.0	0.268622	Y
3	STD5 460-1023688/5	50.0	13.876943	50.0	502499.0	0.277539	Y
4	STD20 460-1023688/6	50.0	13.832723	50.0	510543.0	0.276654	Y
5	STD50 460-1023688/7	50.0	14.144303	50.0	518548.0	0.282886	Y
6	STD200 460-1023688/8	50.0	14.664768	50.0	516210.0	0.293295	Y
7	STD500 460-1023688/9	50.0	14.919251	50.0	530841.0	0.298385	Y
8	STD8 460-1023688/40	50.0	13.571332	50.0	517720.0	0.271427	Y



Calibration / Carbon tetrachloride

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

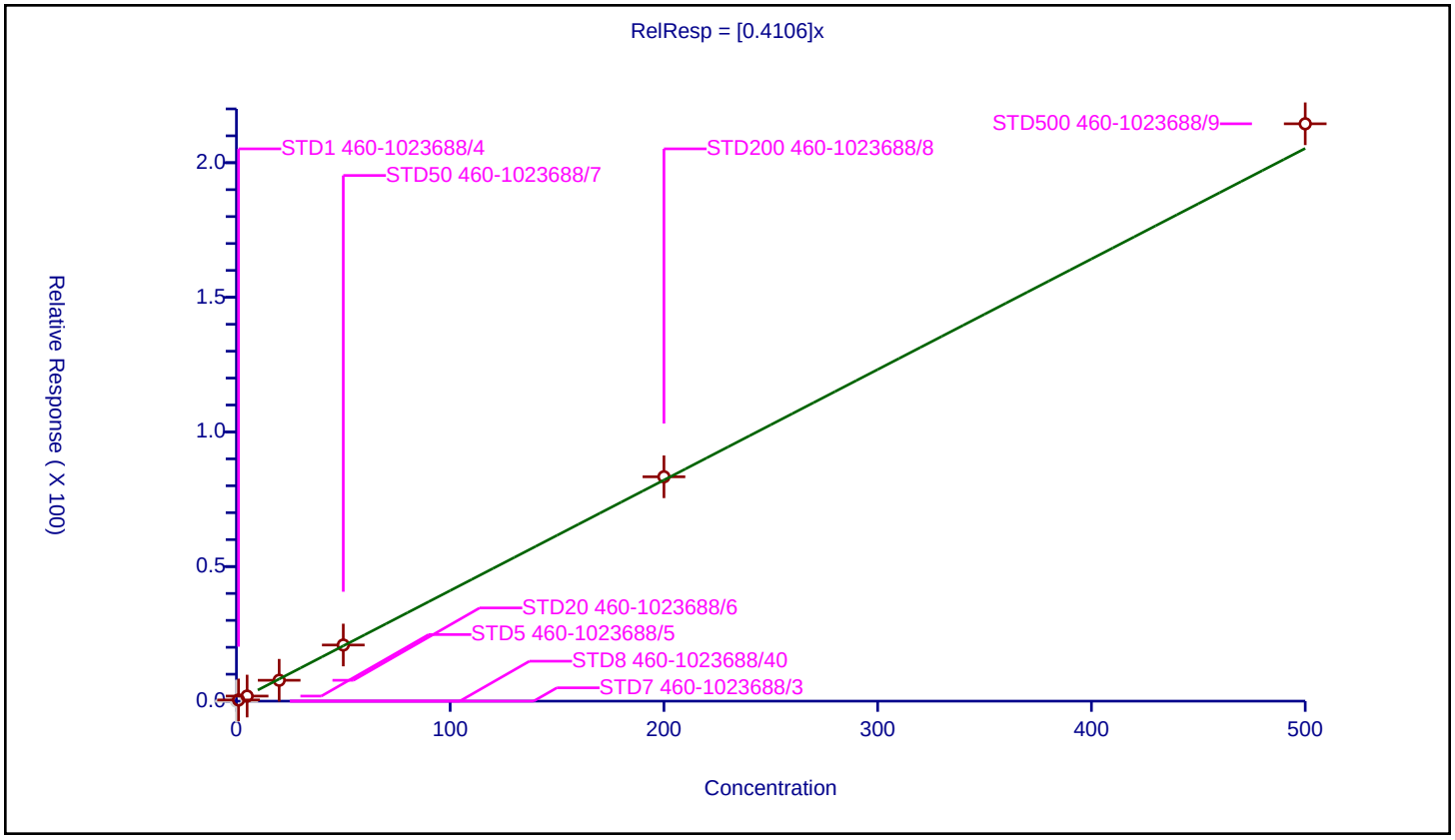
Curve Coefficients

Intercept:	0
Slope:	0.4106

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.436918	50.0	517832.0	0.436918	Y
4	STD5 460-1023688/5	5.0	1.88279	50.0	502499.0	0.376558	Y
5	STD20 460-1023688/6	20.0	7.752628	50.0	510543.0	0.387631	Y
6	STD50 460-1023688/7	50.0	20.852361	50.0	518548.0	0.417047	Y
7	STD200 460-1023688/8	200.0	83.341566	50.0	516210.0	0.416708	Y
8	STD500 460-1023688/9	500.0	214.466479	50.0	530841.0	0.428933	Y



Calibration / 1,1-Dichloropropene

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

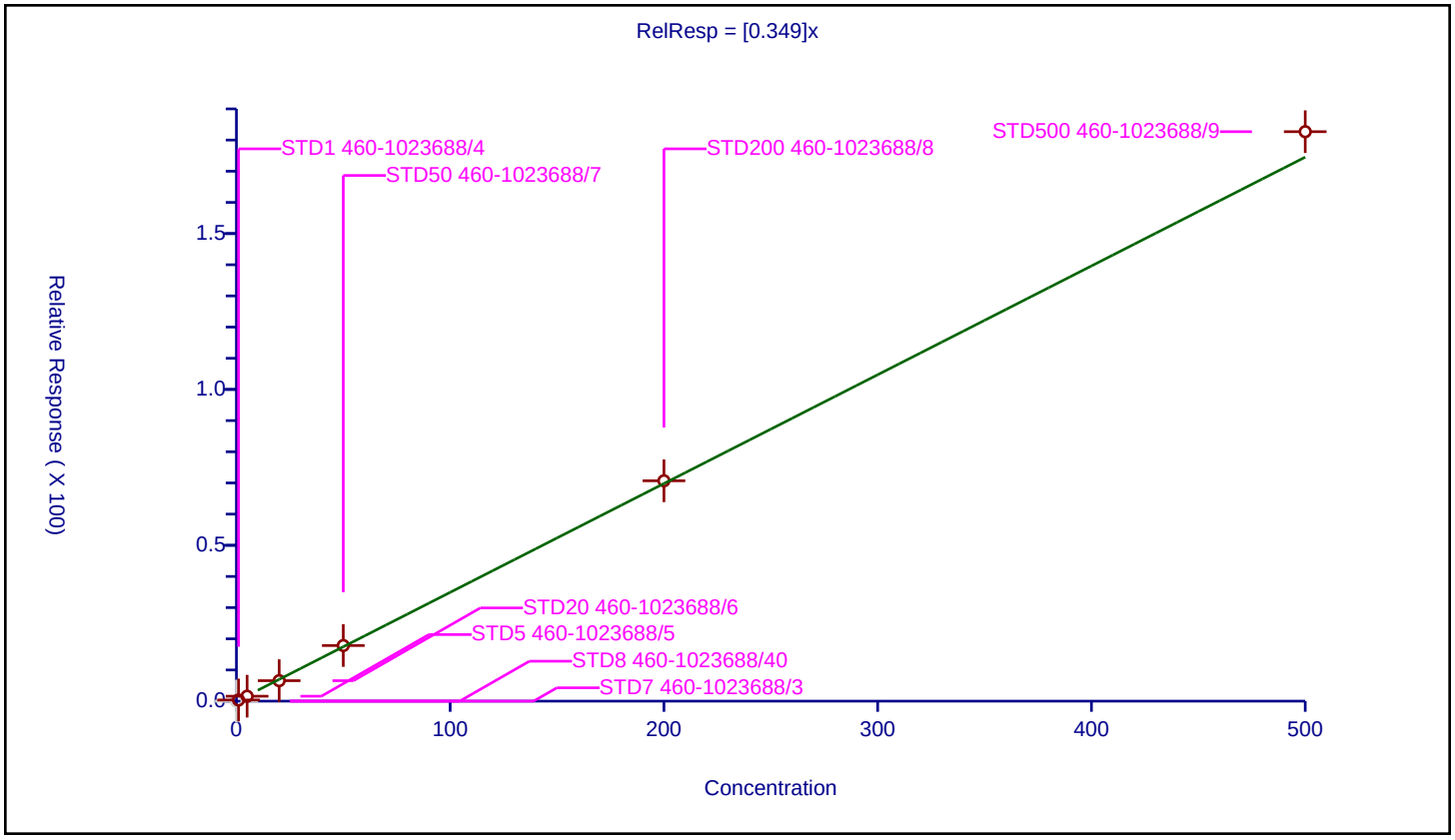
Curve Coefficients

Intercept:	0
Slope:	0.349

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.373577	50.0	517832.0	0.373577	Y
4	STD5 460-1023688/5	5.0	1.583983	50.0	502499.0	0.316797	Y
5	STD20 460-1023688/6	20.0	6.563894	50.0	510543.0	0.328195	Y
6	STD50 460-1023688/7	50.0	17.839236	50.0	518548.0	0.356785	Y
7	STD200 460-1023688/8	200.0	70.695357	50.0	516210.0	0.353477	Y
8	STD500 460-1023688/9	500.0	182.686529	50.0	530841.0	0.365373	Y



Calibration / Isobutyl alcohol

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

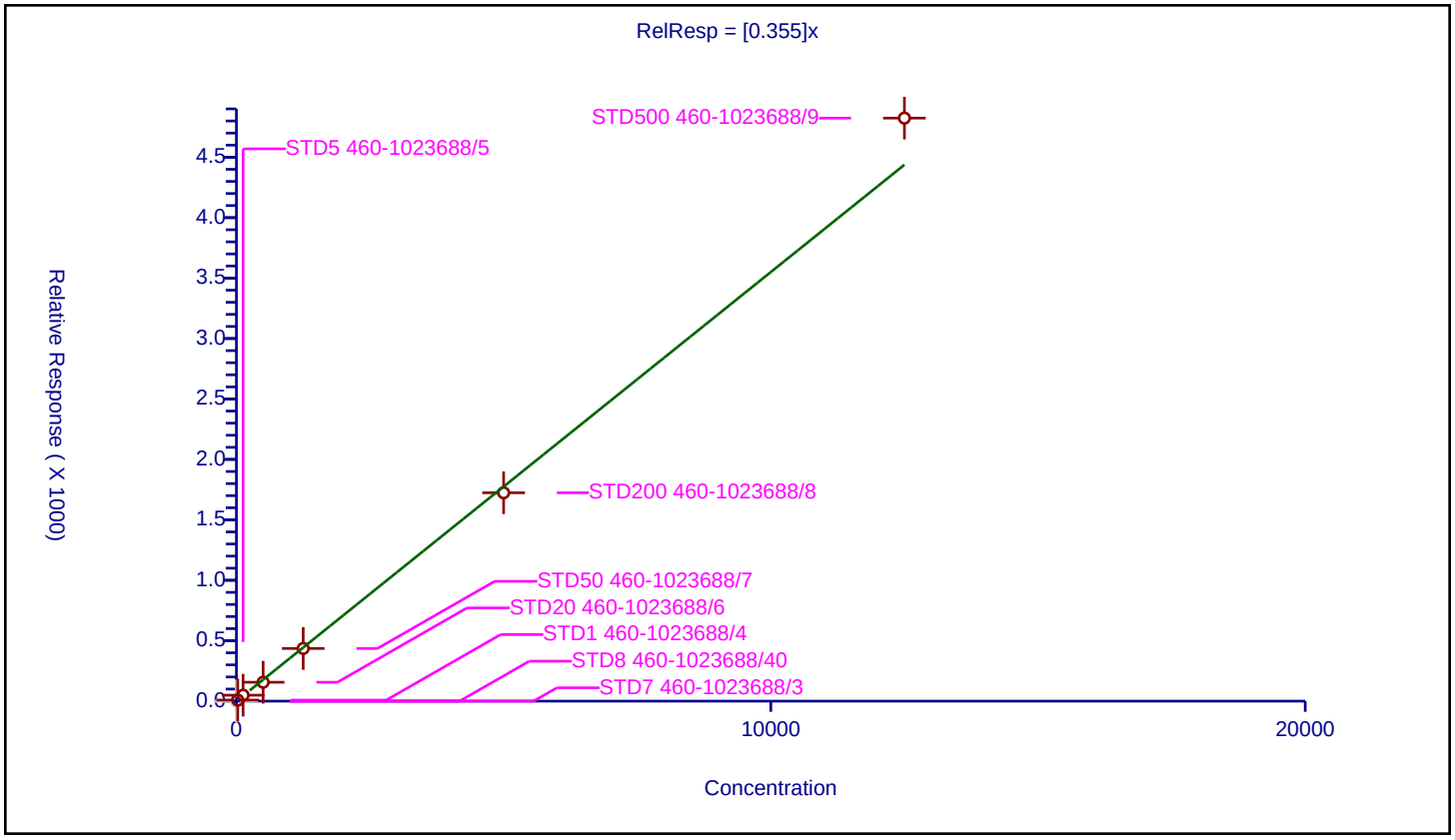
Curve Coefficients

Intercept:	0
Slope:	0.355

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	5.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	25.0	8.614881	1000.0	138017.0	0.344595	Y
4	STD5 460-1023688/5	125.0	49.168822	1000.0	149607.0	0.393351	Y
5	STD20 460-1023688/6	500.0	156.410818	1000.0	150597.0	0.312822	Y
6	STD50 460-1023688/7	1250.0	435.743349	1000.0	132959.0	0.348595	Y
7	STD200 460-1023688/8	5000.0	1723.863804	1000.0	155981.0	0.344773	Y
8	STD500 460-1023688/9	12500.0	4823.790897	1000.0	159271.0	0.385903	Y



Calibration / Isooctane

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

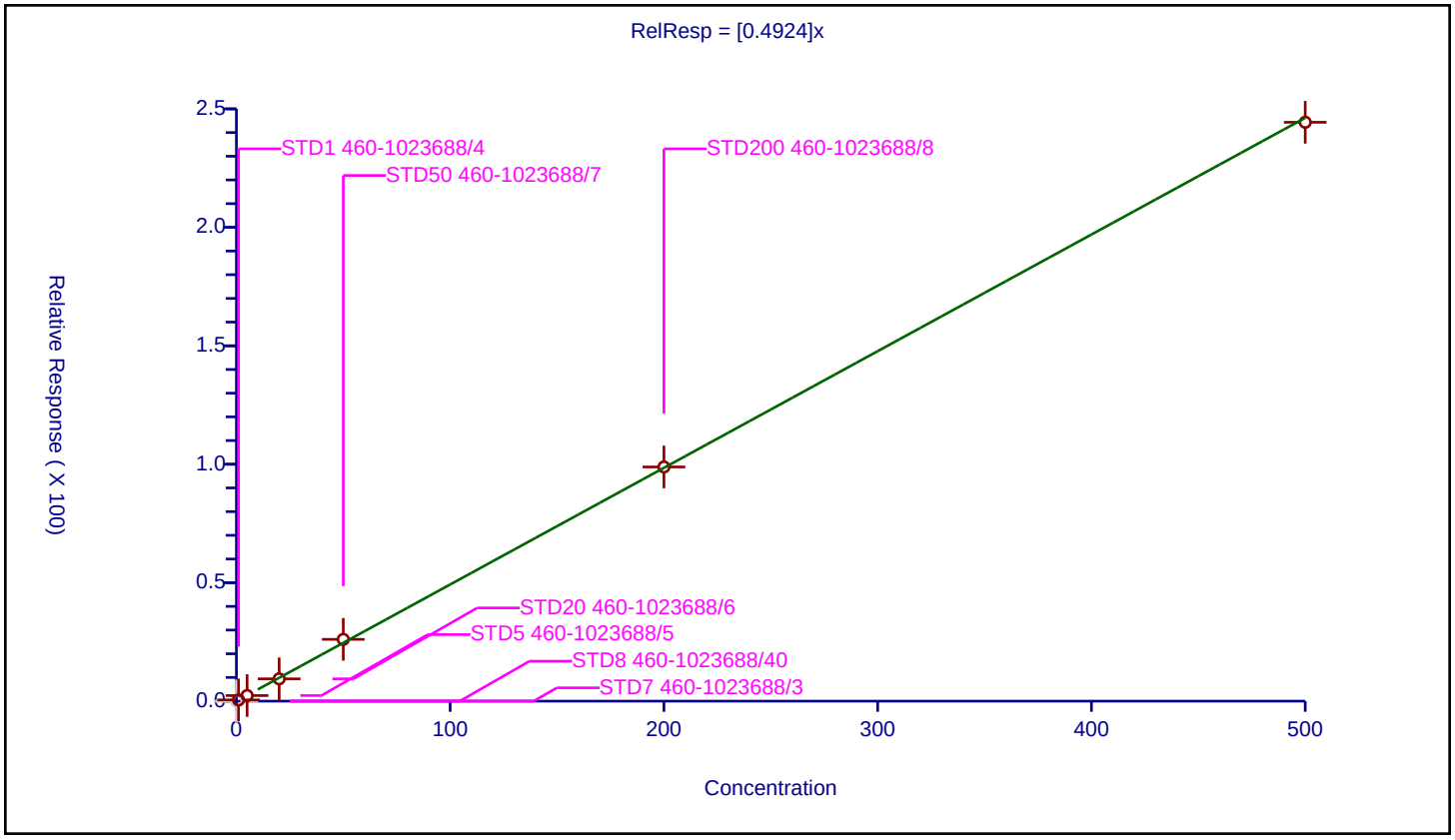
Curve Coefficients

Intercept:	0
Slope:	0.4924

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.509142	50.0	517832.0	0.509142	Y
4	STD5 460-1023688/5	5.0	2.351746	50.0	502499.0	0.470349	Y
5	STD20 460-1023688/6	20.0	9.412038	50.0	510543.0	0.470602	Y
6	STD50 460-1023688/7	50.0	26.075214	50.0	518548.0	0.521504	Y
7	STD200 460-1023688/8	200.0	98.857539	50.0	516210.0	0.494288	Y
8	STD500 460-1023688/9	500.0	244.34633	50.0	530841.0	0.488693	Y



Calibration / Benzene

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

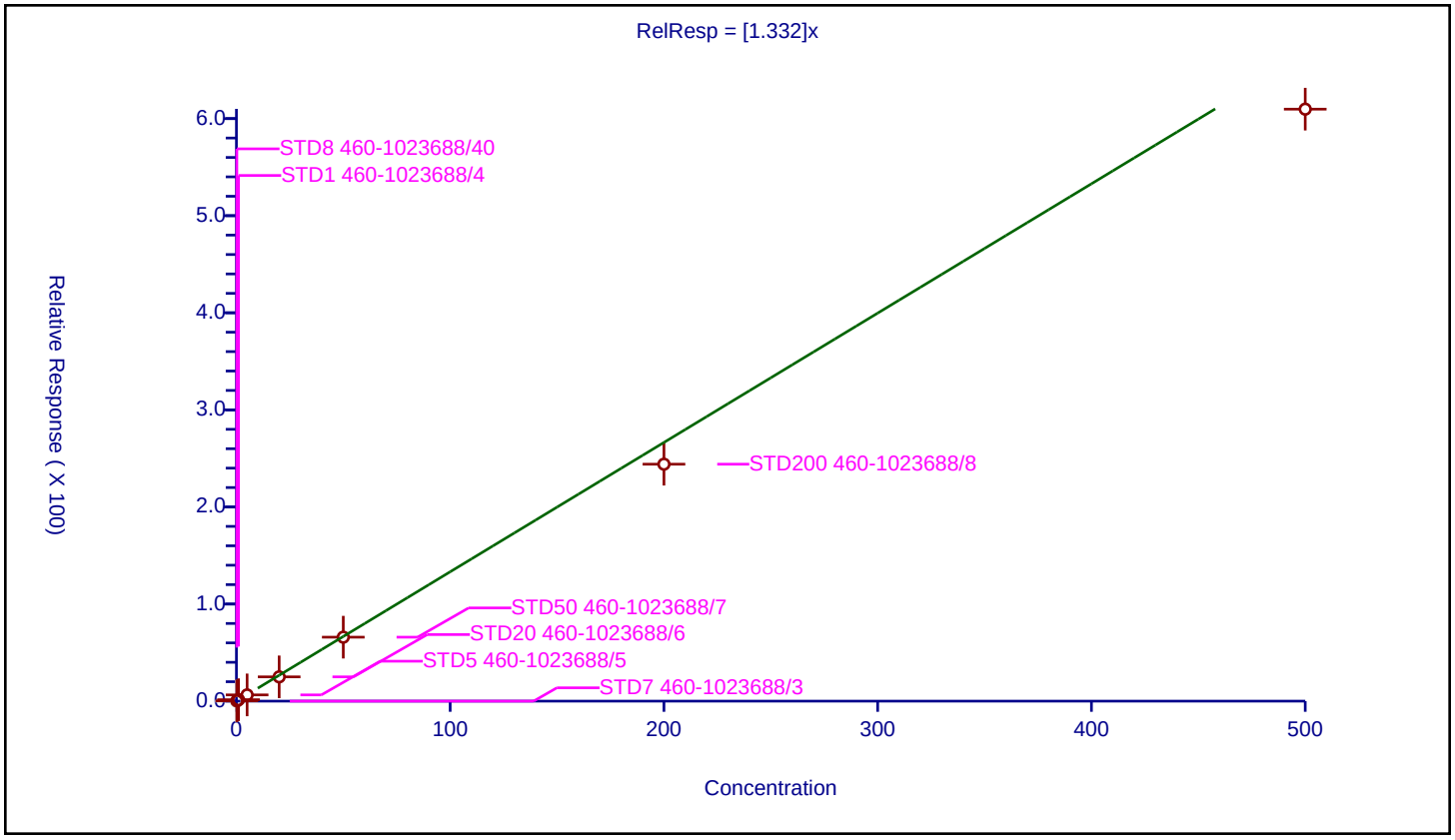
Curve Coefficients

Intercept:	0
Slope:	1.332

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.312927	50.0	387790.0	1.564635	Y
3	STD1 460-1023688/4	1.0	1.465973	50.0	381419.0	1.465973	Y
4	STD5 460-1023688/5	5.0	6.433715	50.0	386231.0	1.286743	Y
5	STD20 460-1023688/6	20.0	25.008254	50.0	390737.0	1.250413	Y
6	STD50 460-1023688/7	50.0	65.882888	50.0	401580.0	1.317658	Y
7	STD200 460-1023688/8	200.0	244.059746	50.0	430554.0	1.220299	Y
8	STD500 460-1023688/9	500.0	609.728556	50.0	481793.0	1.219457	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

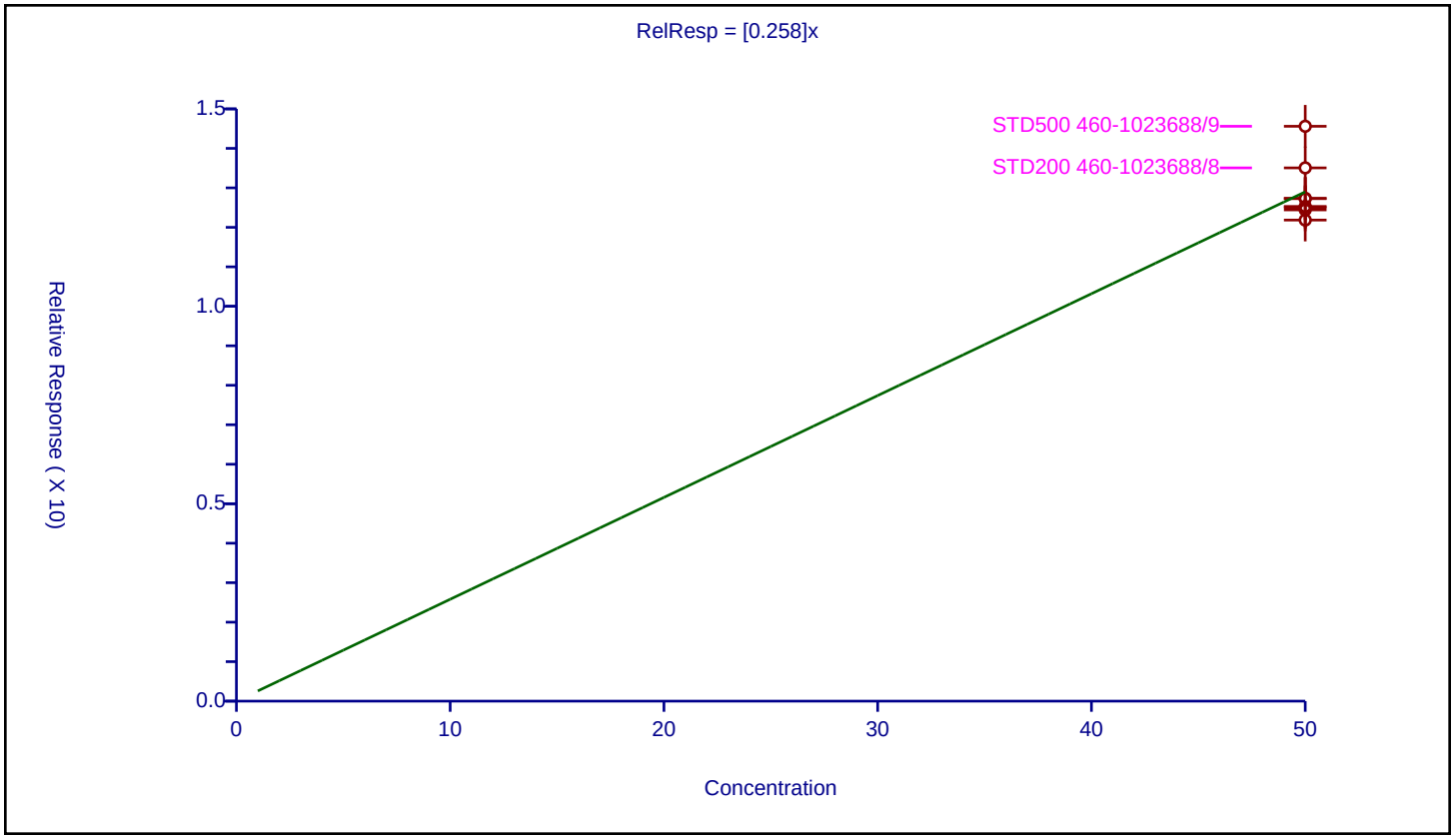
Curve Coefficients

Intercept:	0
Slope:	0.258

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	50.0	12.528902	50.0	511649.0	0.250578	Y
2	STD1 460-1023688/4	50.0	12.184647	50.0	517832.0	0.243693	Y
3	STD5 460-1023688/5	50.0	12.726493	50.0	502499.0	0.25453	Y
4	STD20 460-1023688/6	50.0	12.73546	50.0	510543.0	0.254709	Y
5	STD50 460-1023688/7	50.0	12.504146	50.0	518548.0	0.250083	Y
6	STD200 460-1023688/8	50.0	13.505744	50.0	516210.0	0.270115	Y
7	STD500 460-1023688/9	50.0	14.559444	50.0	530841.0	0.291189	Y
8	STD8 460-1023688/40	50.0	12.442343	50.0	517720.0	0.248847	Y



Calibration / Isopropyl acetate

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

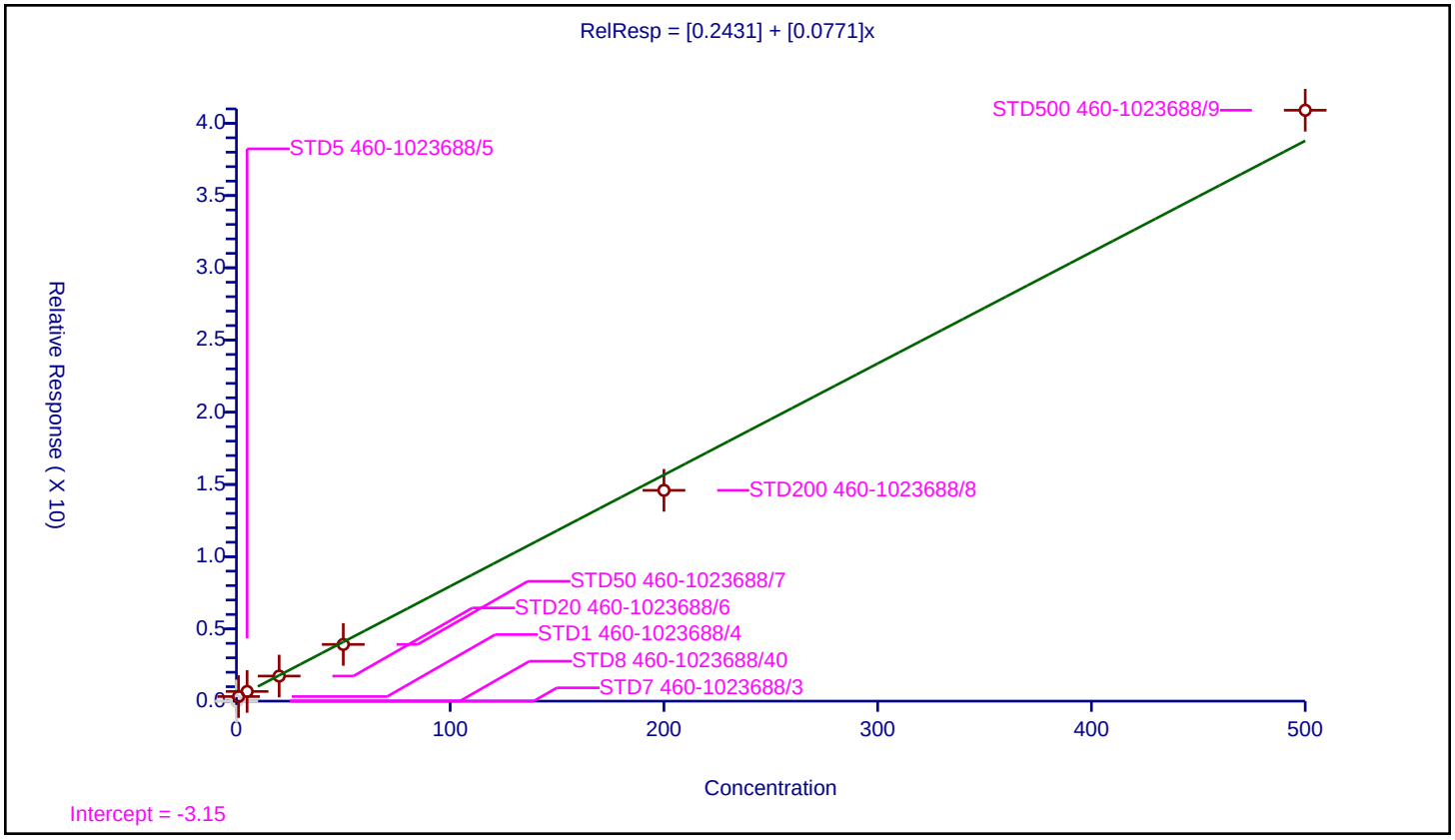
Curve Coefficients

Intercept:	0.2431
Slope:	0.0771

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.318733	50.0	517832.0	0.318733	Y
4	STD5 460-1023688/5	5.0	0.671146	50.0	502499.0	0.134229	Y
5	STD20 460-1023688/6	20.0	1.736093	50.0	510543.0	0.086805	Y
6	STD50 460-1023688/7	50.0	3.925577	50.0	518548.0	0.078512	Y
7	STD200 460-1023688/8	200.0	14.593189	50.0	516210.0	0.072966	Y
8	STD500 460-1023688/9	500.0	40.906788	50.0	530841.0	0.081814	Y



Calibration / Tert-amyl methyl ether

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

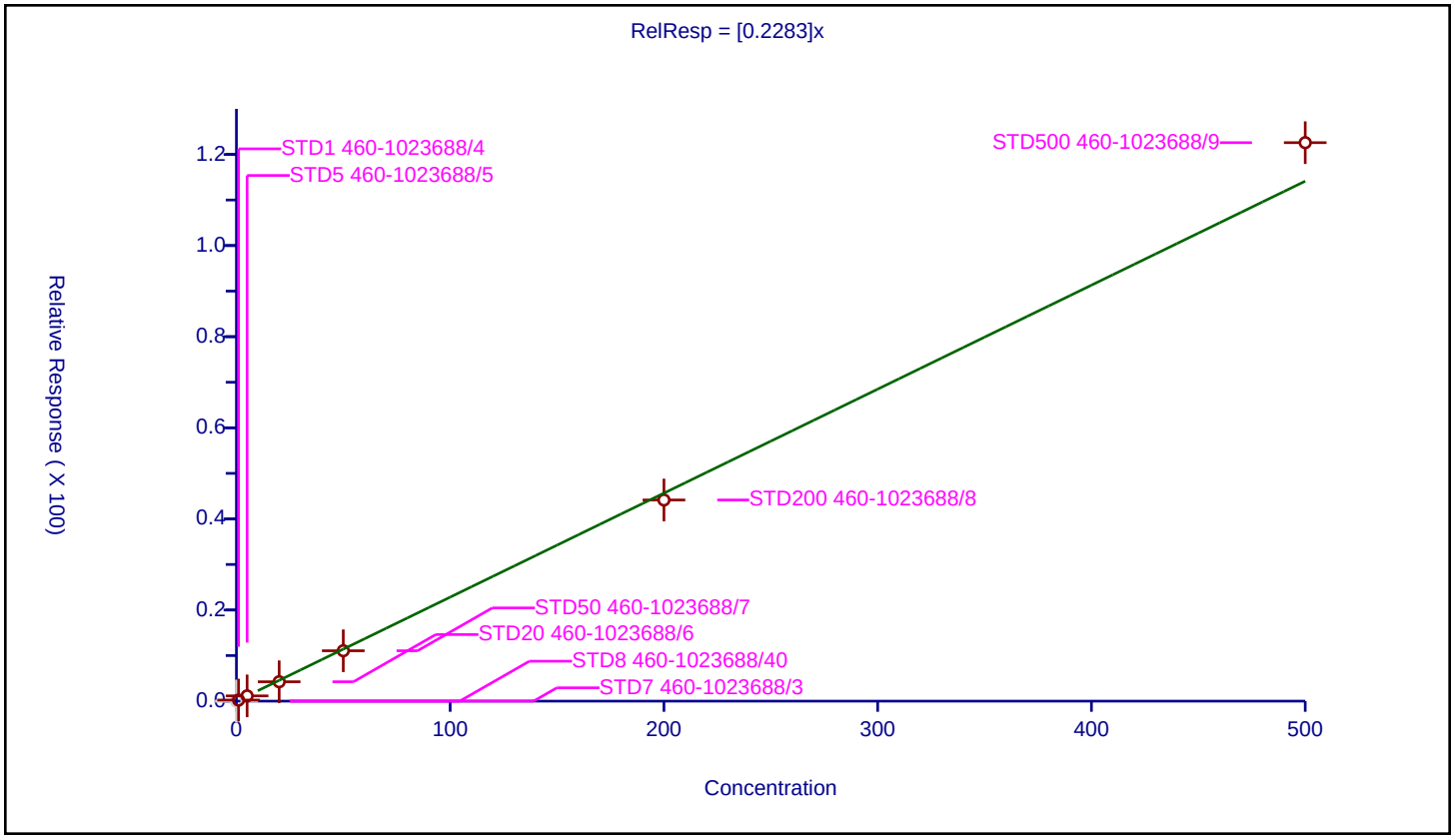
Curve Coefficients

Intercept:	0
Slope:	0.2283

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.238977	50.0	517832.0	0.238977	Y
4	STD5 460-1023688/5	5.0	1.153734	50.0	502499.0	0.230747	Y
5	STD20 460-1023688/6	20.0	4.256057	50.0	510543.0	0.212803	Y
6	STD50 460-1023688/7	50.0	11.058668	50.0	518548.0	0.221173	Y
7	STD200 460-1023688/8	200.0	44.151992	50.0	516210.0	0.22076	Y
8	STD500 460-1023688/9	500.0	122.586047	50.0	530841.0	0.245172	Y



Calibration / 1,2-Dichloroethane

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

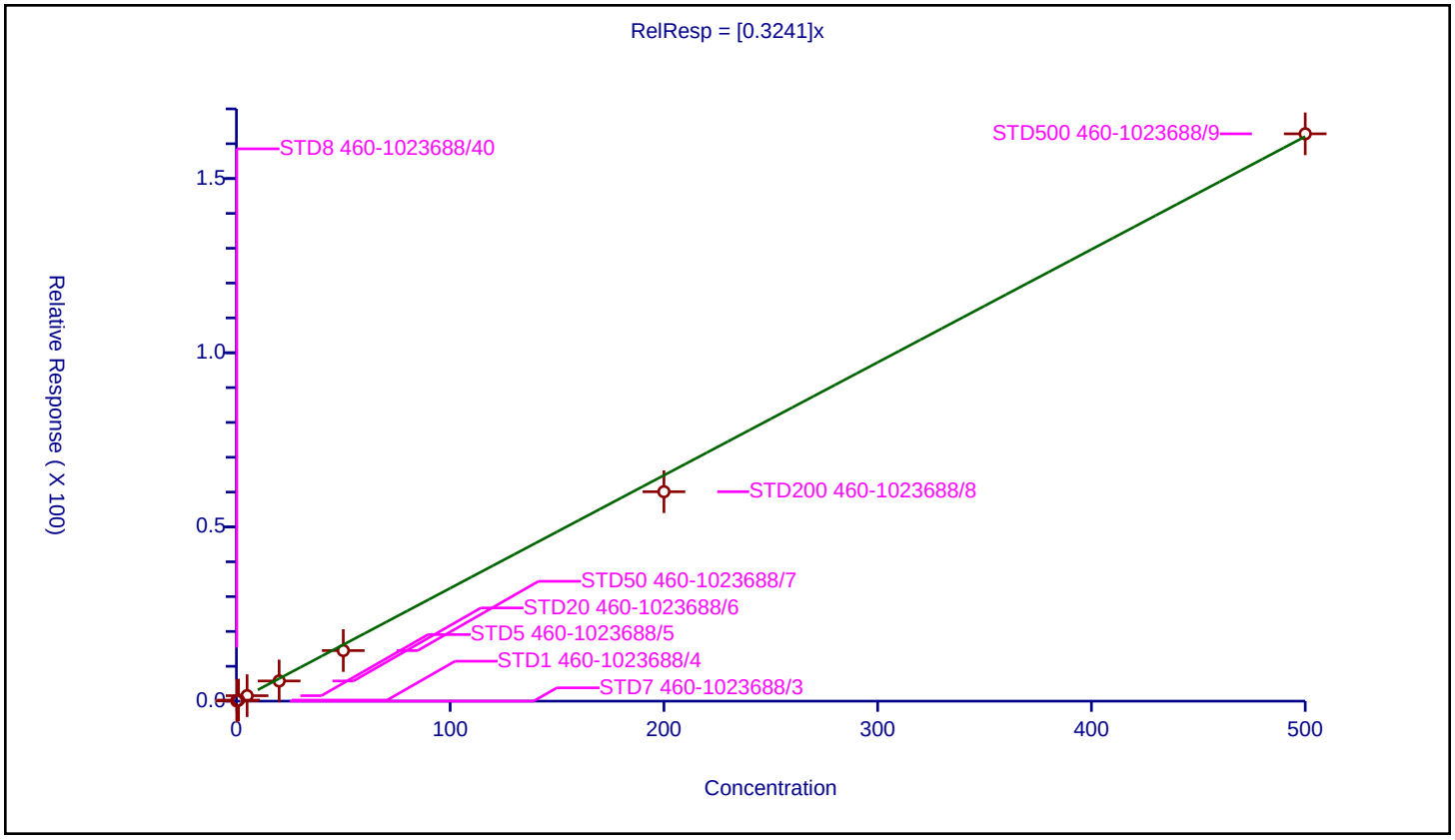
Curve Coefficients

Intercept:	0
Slope:	0.3241

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.089237	50.0	517720.0	0.446187	Y
3	STD1 460-1023688/4	1.0	0.303863	50.0	517832.0	0.303863	Y
4	STD5 460-1023688/5	5.0	1.564779	50.0	502499.0	0.312956	Y
5	STD20 460-1023688/6	20.0	5.788347	50.0	510543.0	0.289417	Y
6	STD50 460-1023688/7	50.0	14.513507	50.0	518548.0	0.29027	Y
7	STD200 460-1023688/8	200.0	60.118169	50.0	516210.0	0.300591	Y
8	STD500 460-1023688/9	500.0	162.840662	50.0	530841.0	0.325681	Y



Calibration / n-Heptane

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

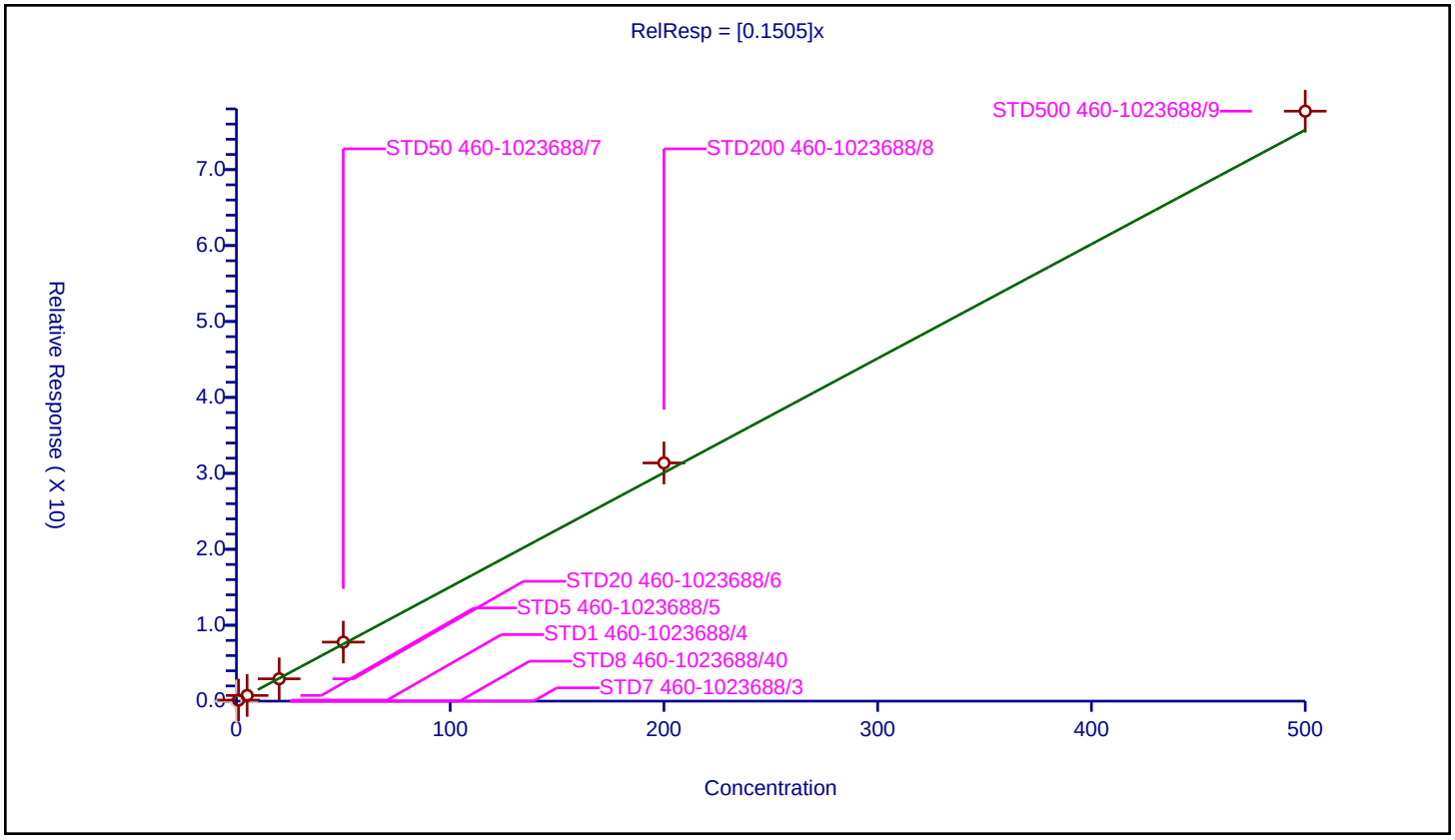
Curve Coefficients

Intercept:	0
Slope:	0.1505

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.138076	50.0	517832.0	0.138076	Y
4	STD5 460-1023688/5	5.0	0.749255	50.0	502499.0	0.149851	Y
5	STD20 460-1023688/6	20.0	2.941084	50.0	510543.0	0.147054	Y
6	STD50 460-1023688/7	50.0	7.775461	50.0	518548.0	0.155509	Y
7	STD200 460-1023688/8	200.0	31.373181	50.0	516210.0	0.156866	Y
8	STD500 460-1023688/9	500.0	77.701609	50.0	530841.0	0.155403	Y



Calibration / n-Butanol

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

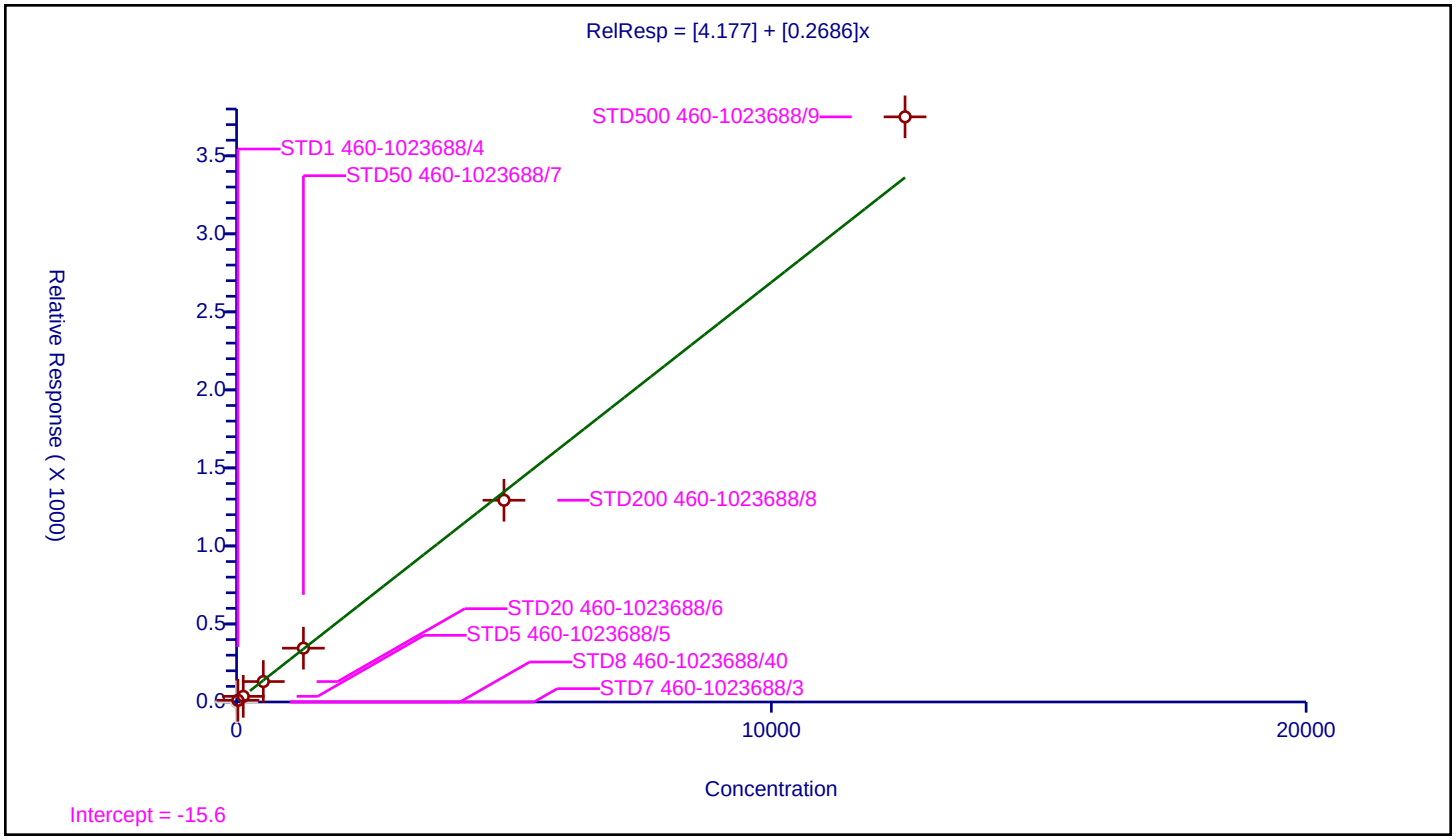
Curve Coefficients

Intercept:	4.177
Slope:	0.2686

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	159179.0	NaN	N
2	STD8 460-1023688/40	5.0	0.0	1000.0	152223.0	0.0	N
3	STD1 460-1023688/4	25.0	10.969663	1000.0	138017.0	0.438787	Y
4	STD5 460-1023688/5	125.0	36.201515	1000.0	149607.0	0.289612	Y
5	STD20 460-1023688/6	500.0	130.945504	1000.0	150597.0	0.261891	Y
6	STD50 460-1023688/7	1250.0	344.948443	1000.0	132959.0	0.275959	Y
7	STD200 460-1023688/8	5000.0	1292.824126	1000.0	155981.0	0.258565	Y
8	STD500 460-1023688/9	12500.0	3749.715893	1000.0	159271.0	0.299977	Y



Calibration / Trichloroethene

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

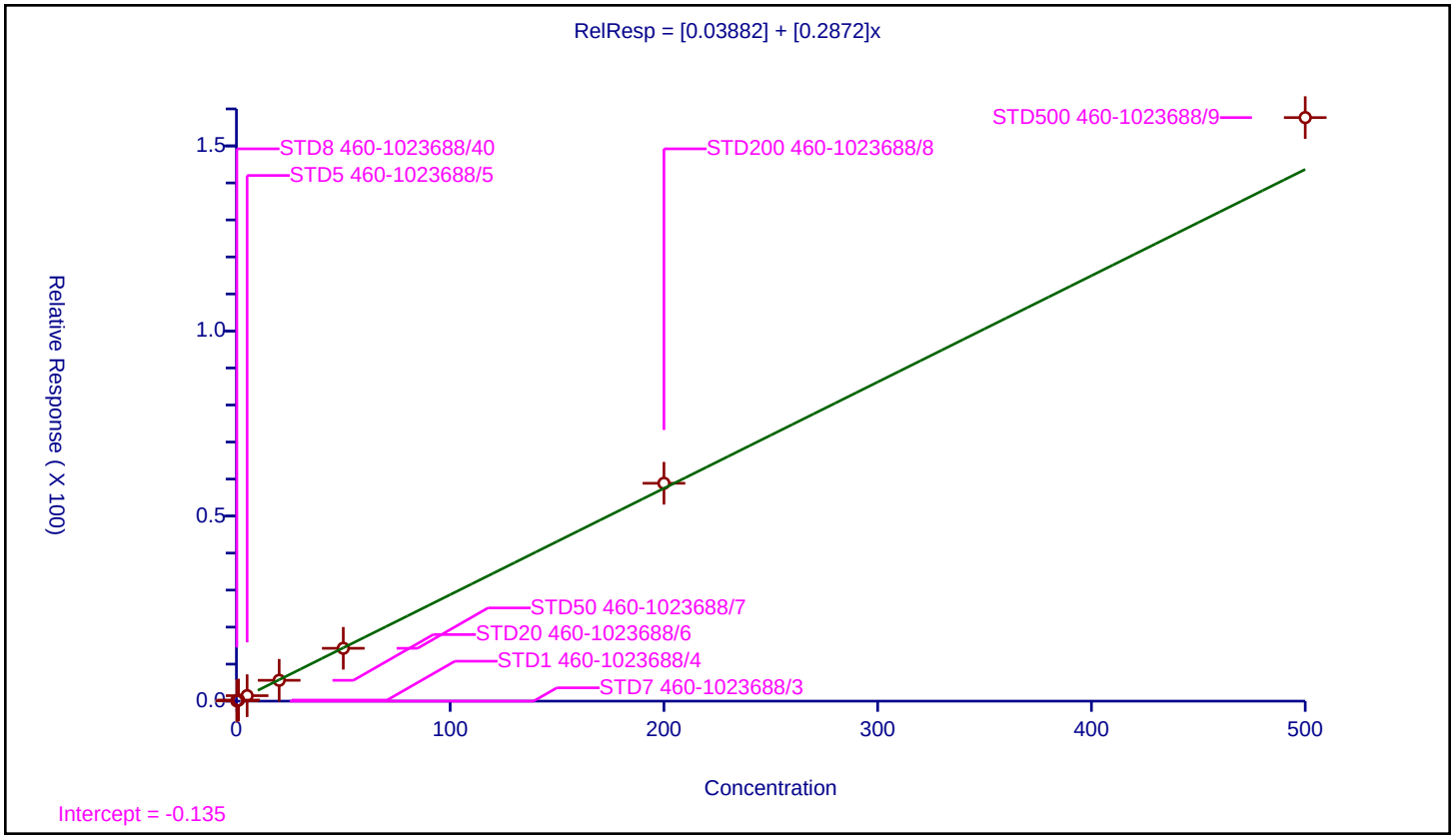
Curve Coefficients

Intercept:	0.03882
Slope:	0.2872

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.097543	50.0	517720.0	0.487715	Y
3	STD1 460-1023688/4	1.0	0.294304	50.0	517832.0	0.294304	Y
4	STD5 460-1023688/5	5.0	1.478311	50.0	502499.0	0.295662	Y
5	STD20 460-1023688/6	20.0	5.630084	50.0	510543.0	0.281504	Y
6	STD50 460-1023688/7	50.0	14.276788	50.0	518548.0	0.285536	Y
7	STD200 460-1023688/8	200.0	58.862091	50.0	516210.0	0.29431	Y
8	STD500 460-1023688/9	500.0	157.646075	50.0	530841.0	0.315292	Y



Calibration / Ethyl acrylate

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

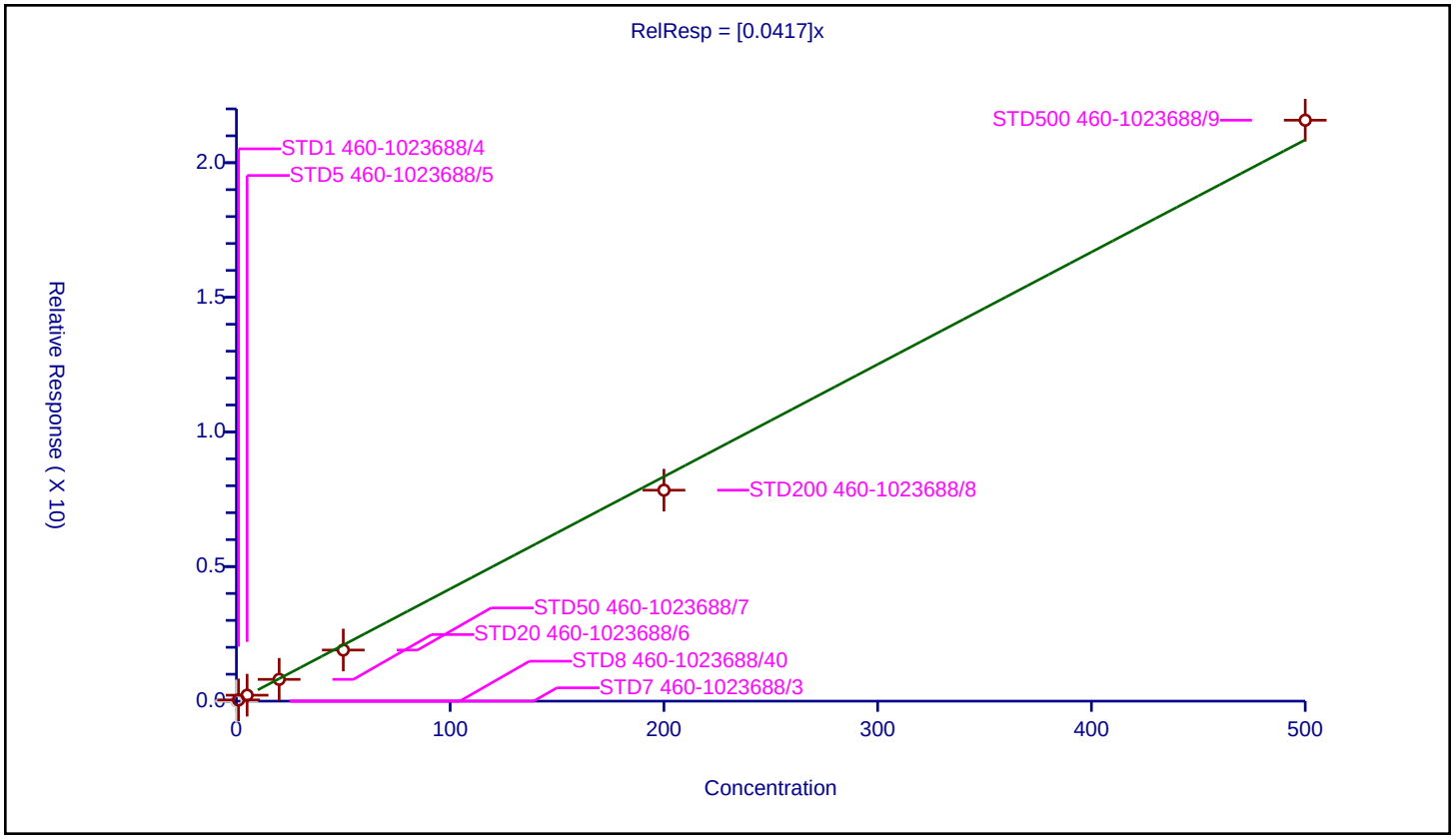
Curve Coefficients

Intercept:	0
Slope:	0.0417

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.045285	50.0	517832.0	0.045285	Y
4	STD5 460-1023688/5	5.0	0.220796	50.0	502499.0	0.044159	Y
5	STD20 460-1023688/6	20.0	0.809139	50.0	510543.0	0.040457	Y
6	STD50 460-1023688/7	50.0	1.898281	50.0	518548.0	0.037966	Y
7	STD200 460-1023688/8	200.0	7.836733	50.0	516210.0	0.039184	Y
8	STD500 460-1023688/9	500.0	21.57972	50.0	530841.0	0.043159	Y



Calibration / Methylcyclohexane

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

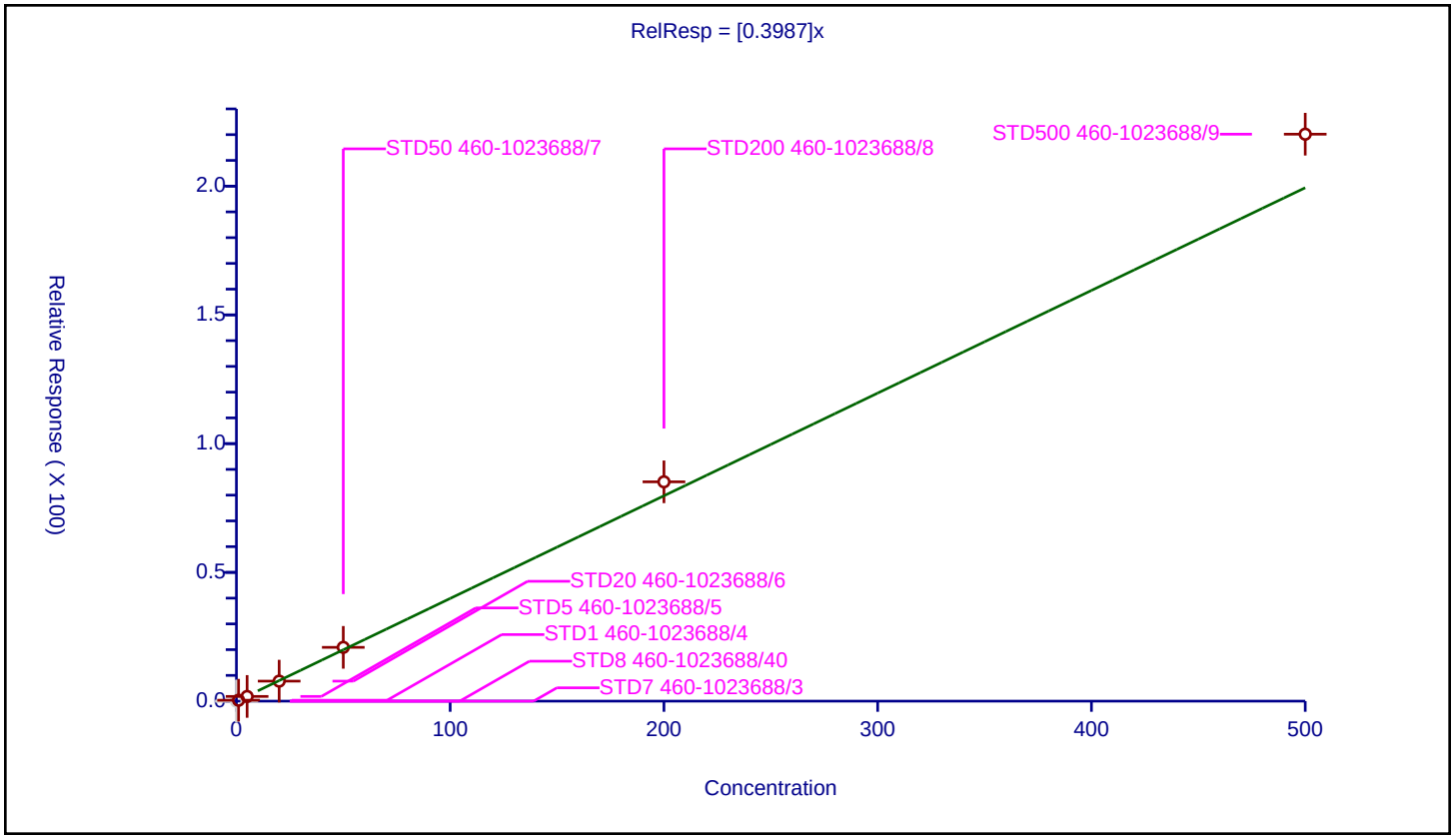
Curve Coefficients

Intercept:	0
Slope:	0.3987

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.354072	50.0	517832.0	0.354072	Y
4	STD5 460-1023688/5	5.0	1.827765	50.0	502499.0	0.365553	Y
5	STD20 460-1023688/6	20.0	7.774468	50.0	510543.0	0.388723	Y
6	STD50 460-1023688/7	50.0	20.893148	50.0	518548.0	0.417863	Y
7	STD200 460-1023688/8	200.0	85.172895	50.0	516210.0	0.425864	Y
8	STD500 460-1023688/9	500.0	220.176569	50.0	530841.0	0.440353	Y



Calibration / 1,2-Dichloropropane

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

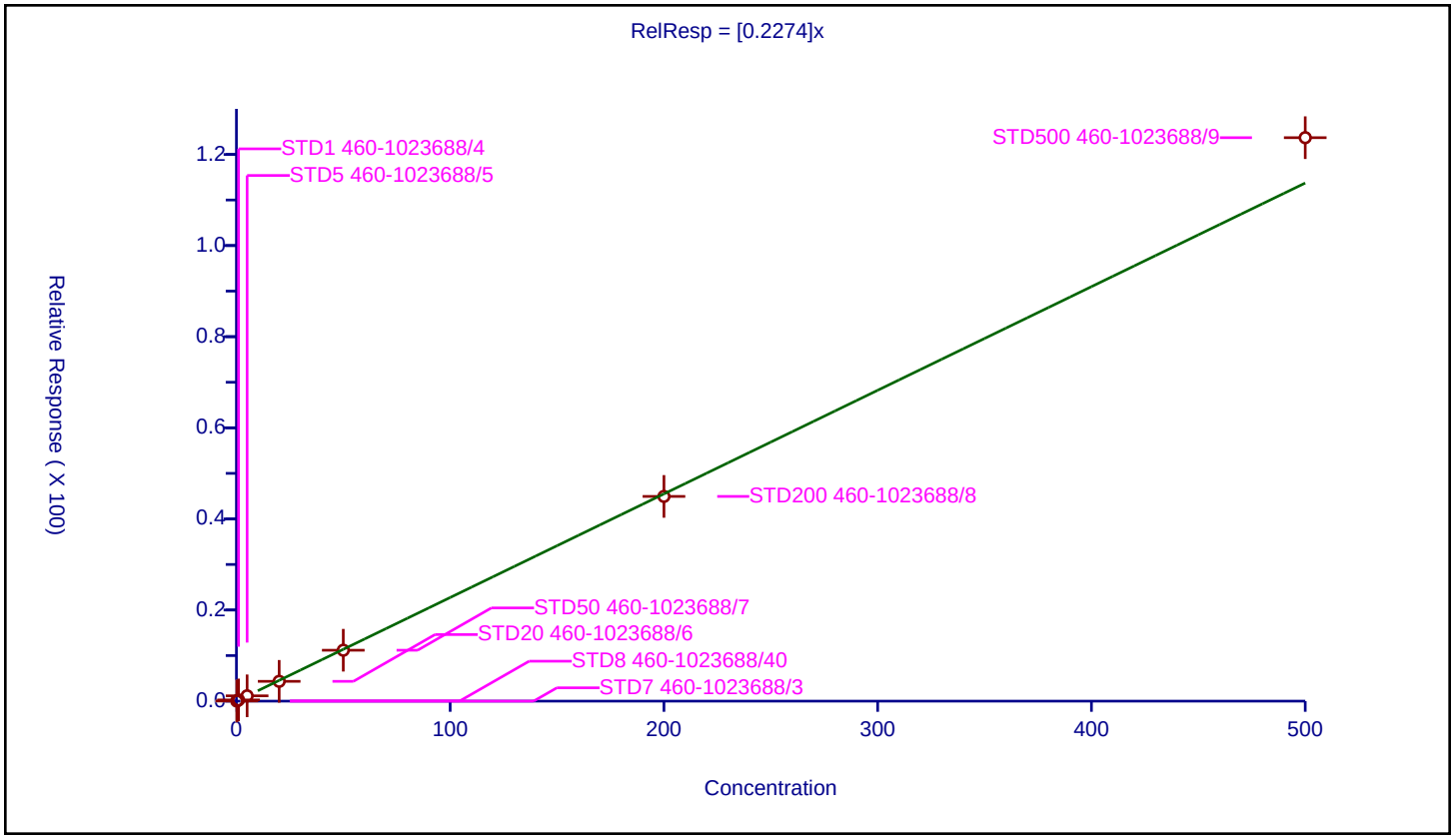
Curve Coefficients

Intercept:	0
Slope:	0.2274

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.036893	50.0	517720.0	0.184463	Y
3	STD1 460-1023688/4	1.0	0.261475	50.0	517832.0	0.261475	Y
4	STD5 460-1023688/5	5.0	1.16647	50.0	502499.0	0.233294	Y
5	STD20 460-1023688/6	20.0	4.347528	50.0	510543.0	0.217376	Y
6	STD50 460-1023688/7	50.0	11.174761	50.0	518548.0	0.223495	Y
7	STD200 460-1023688/8	200.0	44.93462	50.0	516210.0	0.224673	Y
8	STD500 460-1023688/9	500.0	123.68195	50.0	530841.0	0.247364	Y



Calibration / Methyl methacrylate

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

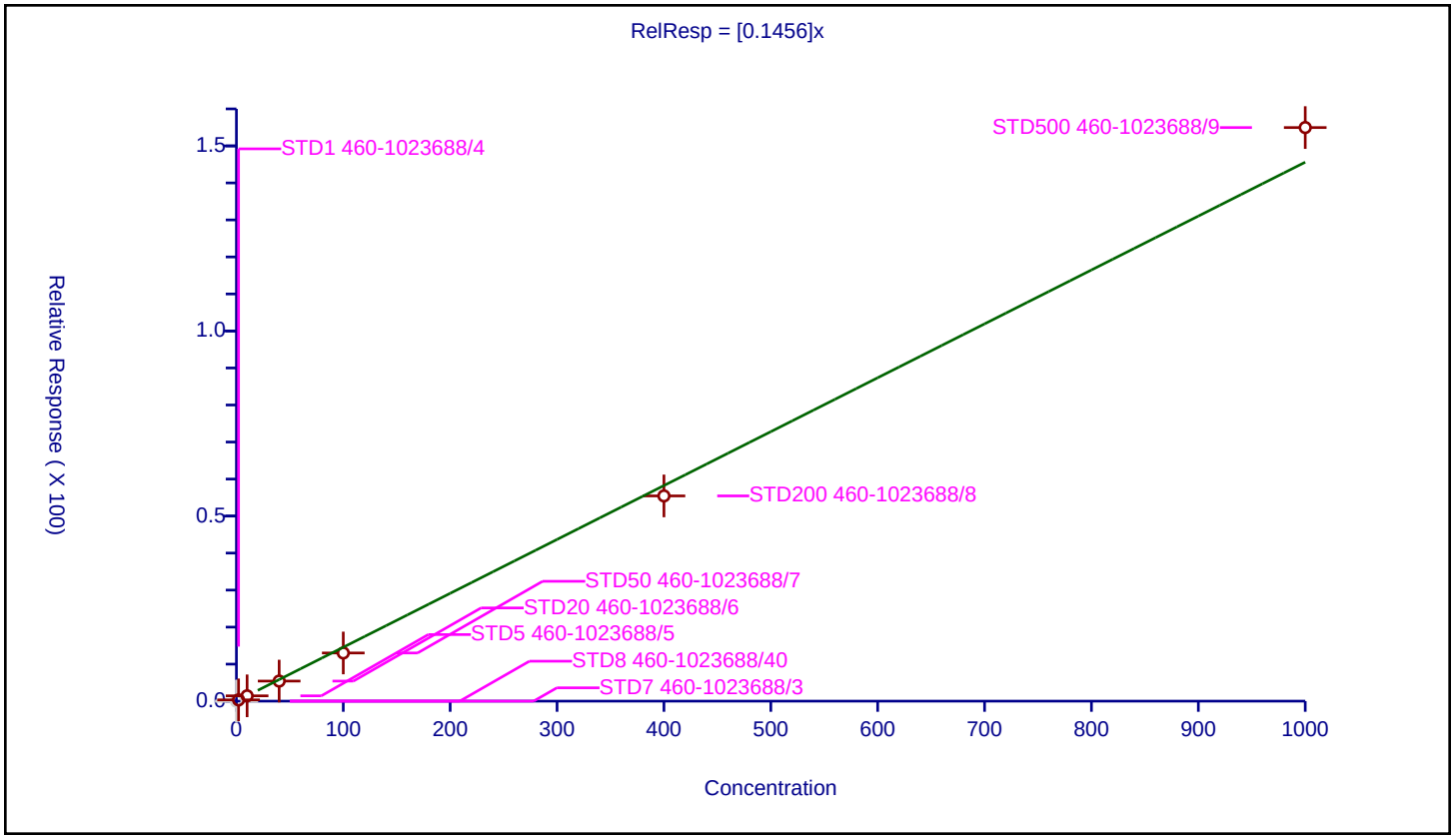
Curve Coefficients

Intercept:	0
Slope:	0.1456

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	2.0	0.342389	50.0	517832.0	0.171195	Y
4	STD5 460-1023688/5	10.0	1.432242	50.0	502499.0	0.143224	Y
5	STD20 460-1023688/6	40.0	5.418838	50.0	510543.0	0.135471	Y
6	STD50 460-1023688/7	100.0	13.01596	50.0	518548.0	0.13016	Y
7	STD200 460-1023688/8	400.0	55.440422	50.0	516210.0	0.138601	Y
8	STD500 460-1023688/9	1000.0	154.958547	50.0	530841.0	0.154959	Y



Calibration / 1,4-Dioxane

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

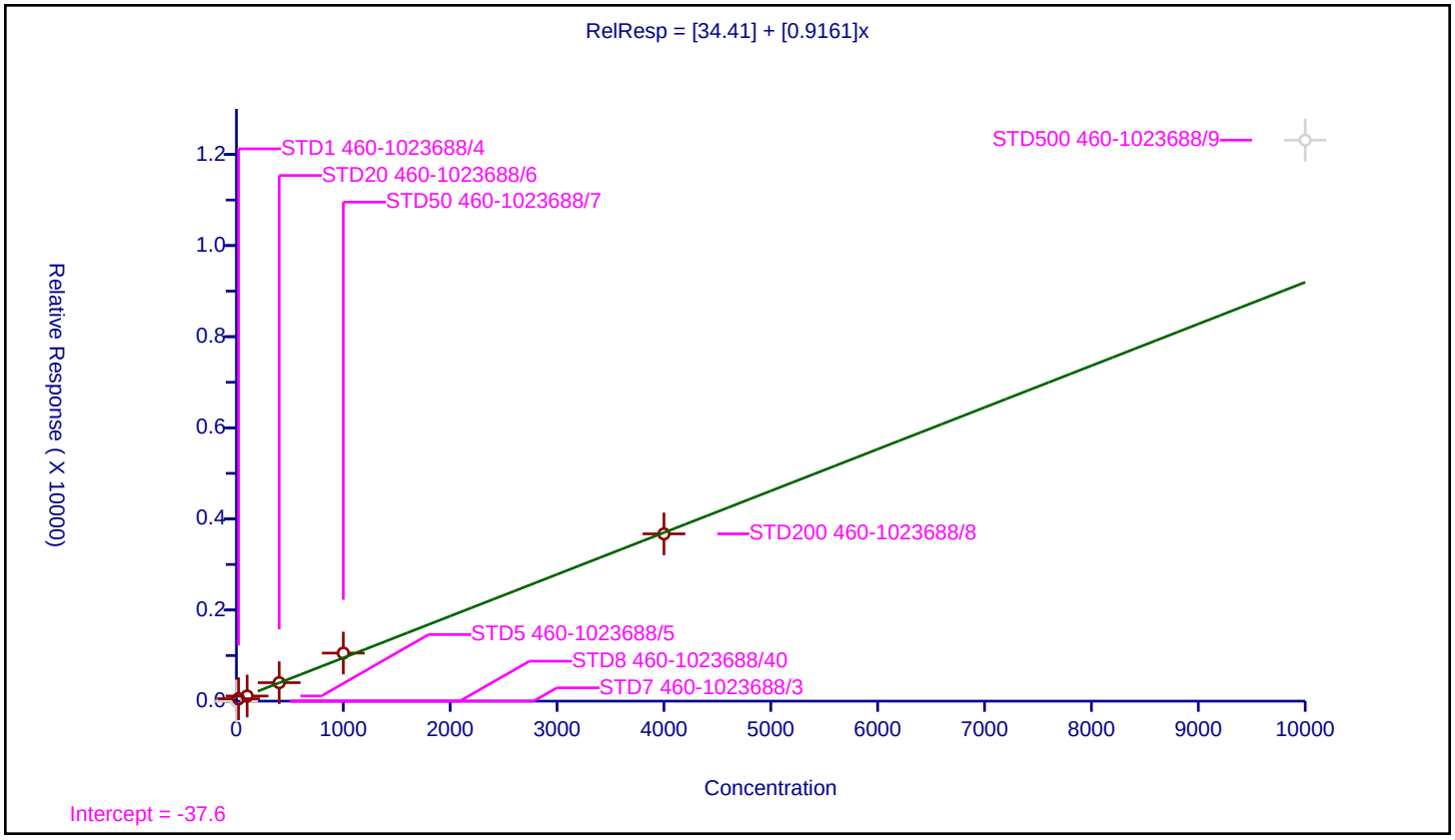
Curve Coefficients

Intercept:	34.41
Slope:	0.9161

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	1000.0	22804.0	NaN	N
2	STD8 460-1023688/40	4.0	0.0	1000.0	21139.0	0.0	N
3	STD1 460-1023688/4	20.0	53.212802	1000.0	20465.0	2.66064	Y
4	STD5 460-1023688/5	100.0	112.644326	1000.0	21306.0	1.126443	Y
5	STD20 460-1023688/6	400.0	405.507801	1000.0	24547.0	1.01377	Y
6	STD50 460-1023688/7	1000.0	1055.198362	1000.0	20997.0	1.055198	Y
7	STD200 460-1023688/8	4000.0	3671.831249	1000.0	26785.0	0.917958	Y
8	STD500 460-1023688/9	10000.0	12313.4493	1000.0	23570.0	1.231345	N



Calibration / n-Propyl acetate

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

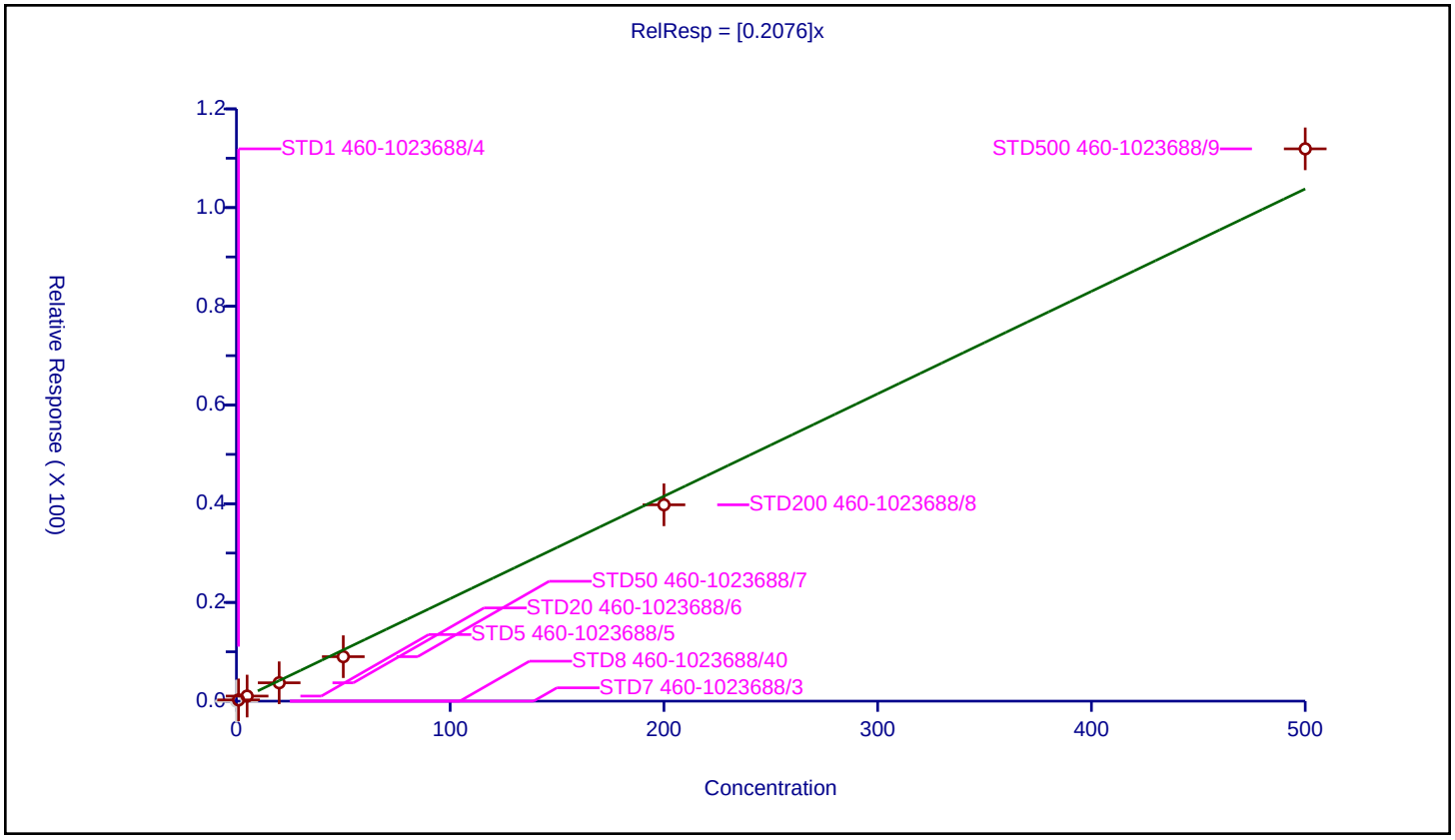
Curve Coefficients

Intercept:	0
Slope:	0.2076

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.25095	50.0	517832.0	0.25095	Y
4	STD5 460-1023688/5	5.0	1.027465	50.0	502499.0	0.205493	Y
5	STD20 460-1023688/6	20.0	3.723095	50.0	510543.0	0.186155	Y
6	STD50 460-1023688/7	50.0	9.008616	50.0	518548.0	0.180172	Y
7	STD200 460-1023688/8	200.0	39.77945	50.0	516210.0	0.198897	Y
8	STD500 460-1023688/9	500.0	111.905919	50.0	530841.0	0.223812	Y



Calibration / Dibromomethane

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

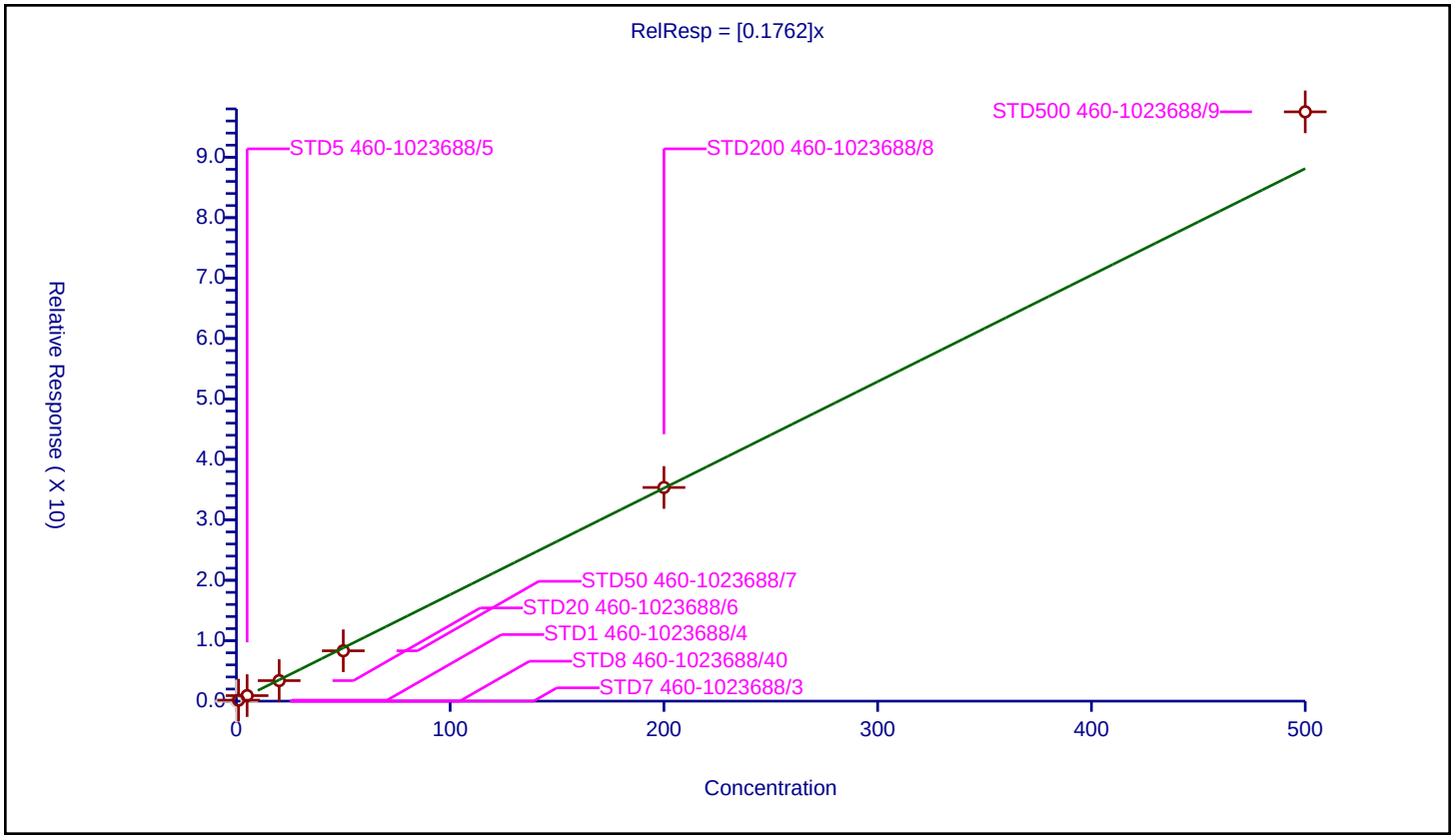
Curve Coefficients

Intercept:	0
Slope:	0.1762

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.16656	50.0	517832.0	0.16656	Y
4	STD5 460-1023688/5	5.0	0.912738	50.0	502499.0	0.182548	Y
5	STD20 460-1023688/6	20.0	3.396971	50.0	510543.0	0.169849	Y
6	STD50 460-1023688/7	50.0	8.333751	50.0	518548.0	0.166675	Y
7	STD200 460-1023688/8	200.0	35.356735	50.0	516210.0	0.176784	Y
8	STD500 460-1023688/9	500.0	97.510177	50.0	530841.0	0.19502	Y



Calibration / Dichlorobromomethane

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

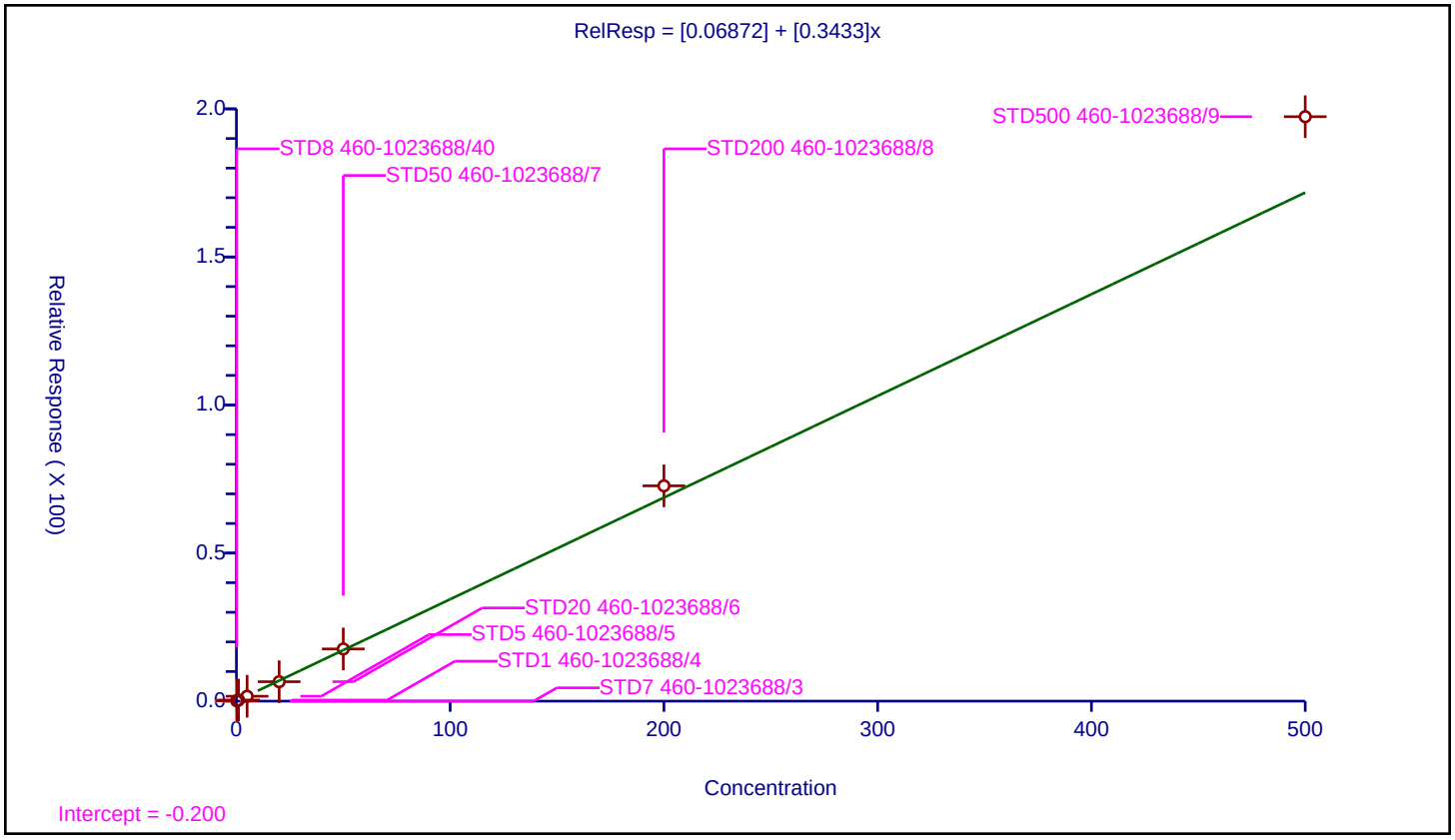
Curve Coefficients

Intercept:	0.06872
Slope:	0.3433

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.139458	50.0	517720.0	0.697288	Y
3	STD1 460-1023688/4	1.0	0.365852	50.0	517832.0	0.365852	Y
4	STD5 460-1023688/5	5.0	1.663287	50.0	502499.0	0.332657	Y
5	STD20 460-1023688/6	20.0	6.564677	50.0	510543.0	0.328234	Y
6	STD50 460-1023688/7	50.0	17.623827	50.0	518548.0	0.352477	Y
7	STD200 460-1023688/8	200.0	72.709072	50.0	516210.0	0.363545	Y
8	STD500 460-1023688/9	500.0	197.360603	50.0	530841.0	0.394721	Y



Calibration / 2-Nitropropane

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

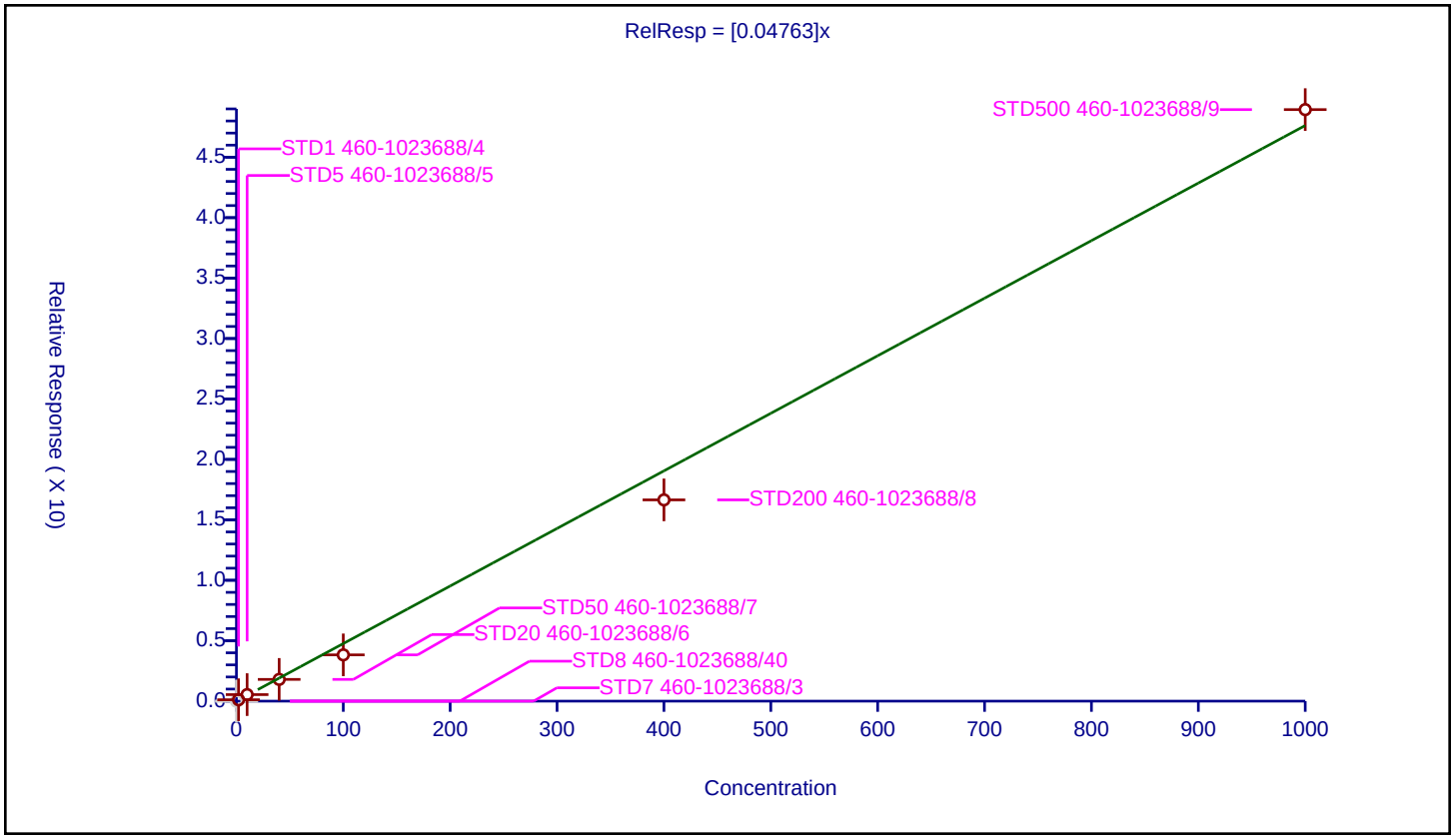
Curve Coefficients

Intercept:	0
Slope:	0.04763

Error Coefficients

Relative Standard Deviation:	15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.4	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	2.0	0.115675	50.0	517832.0	0.057837	Y
4	STD5 460-1023688/5	10.0	0.540996	50.0	502499.0	0.0541	Y
5	STD20 460-1023688/6	40.0	1.798673	50.0	510543.0	0.044967	Y
6	STD50 460-1023688/7	100.0	3.827997	50.0	518548.0	0.03828	Y
7	STD200 460-1023688/8	400.0	16.650879	50.0	516210.0	0.041627	Y
8	STD500 460-1023688/9	1000.0	48.940172	50.0	530841.0	0.04894	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

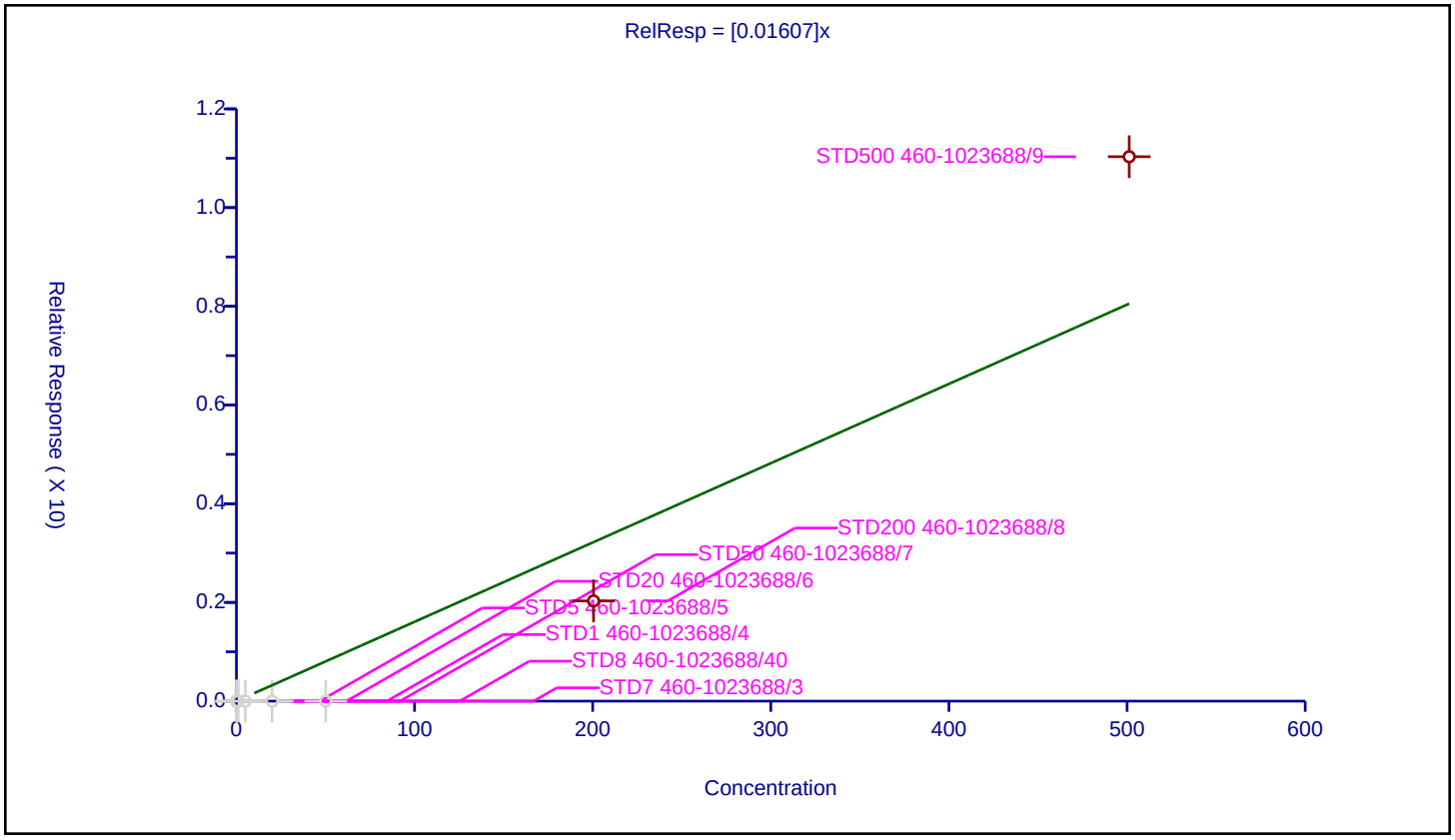
Curve Coefficients

Intercept:	0
Slope:	0.01607

Error Coefficients

Relative Standard Deviation:	52.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.20048	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0024	0.0	50.0	517832.0	0.0	N
4	STD5 460-1023688/5	5.012	0.0	50.0	502499.0	0.0	N
5	STD20 460-1023688/6	20.048	0.0	50.0	510543.0	0.0	N
6	STD50 460-1023688/7	50.12	0.0	50.0	518548.0	0.0	N
7	STD200 460-1023688/8	200.48	2.030472	50.0	516210.0	0.010128	Y
8	STD500 460-1023688/9	501.2	11.031175	50.0	530841.0	0.02201	Y



Calibration / Epichlorohydrin

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

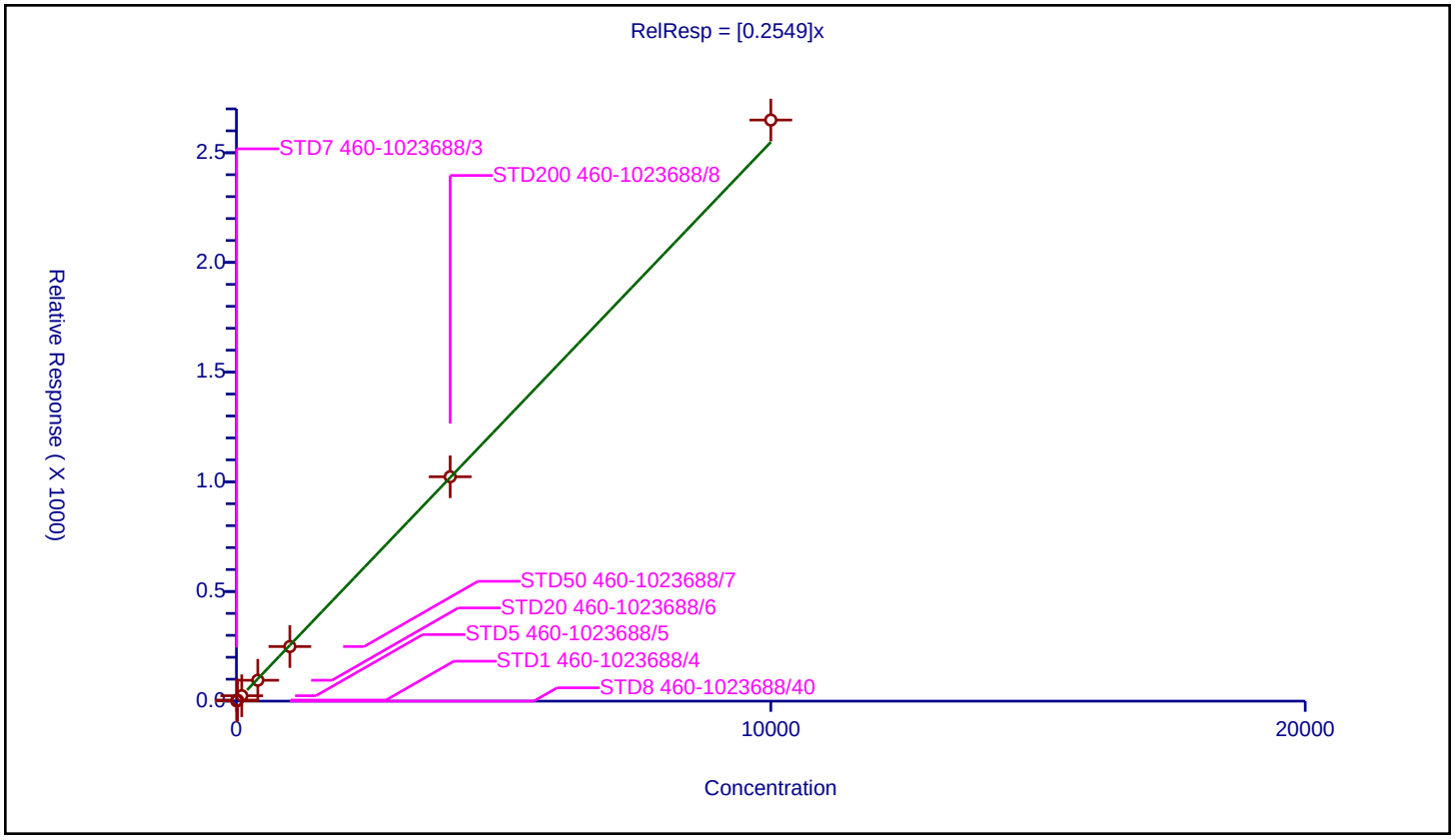
Curve Coefficients

Intercept:	0
Slope:	0.2549

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8 460-1023688/40	4.000007	0.0	250.0	143421.0	0.0	N
2	STD7 460-1023688/3	5.000009	1.420257	250.0	143988.0	0.284051	Y
3	STD1 460-1023688/4	20.000035	4.918039	250.0	128049.0	0.245902	Y
4	STD5 460-1023688/5	100.000173	24.655751	250.0	134786.0	0.246557	Y
5	STD20 460-1023688/6	400.000692	95.218733	250.0	138342.0	0.238046	Y
6	STD50 460-1023688/7	1000.00173	248.89227	250.0	127513.0	0.248892	Y
7	STD200 460-1023688/8	4000.00692	1022.917357	250.0	141803.0	0.255729	Y
8	STD500 460-1023688/9	10000.0173	2649.293868	250.0	162505.0	0.264929	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

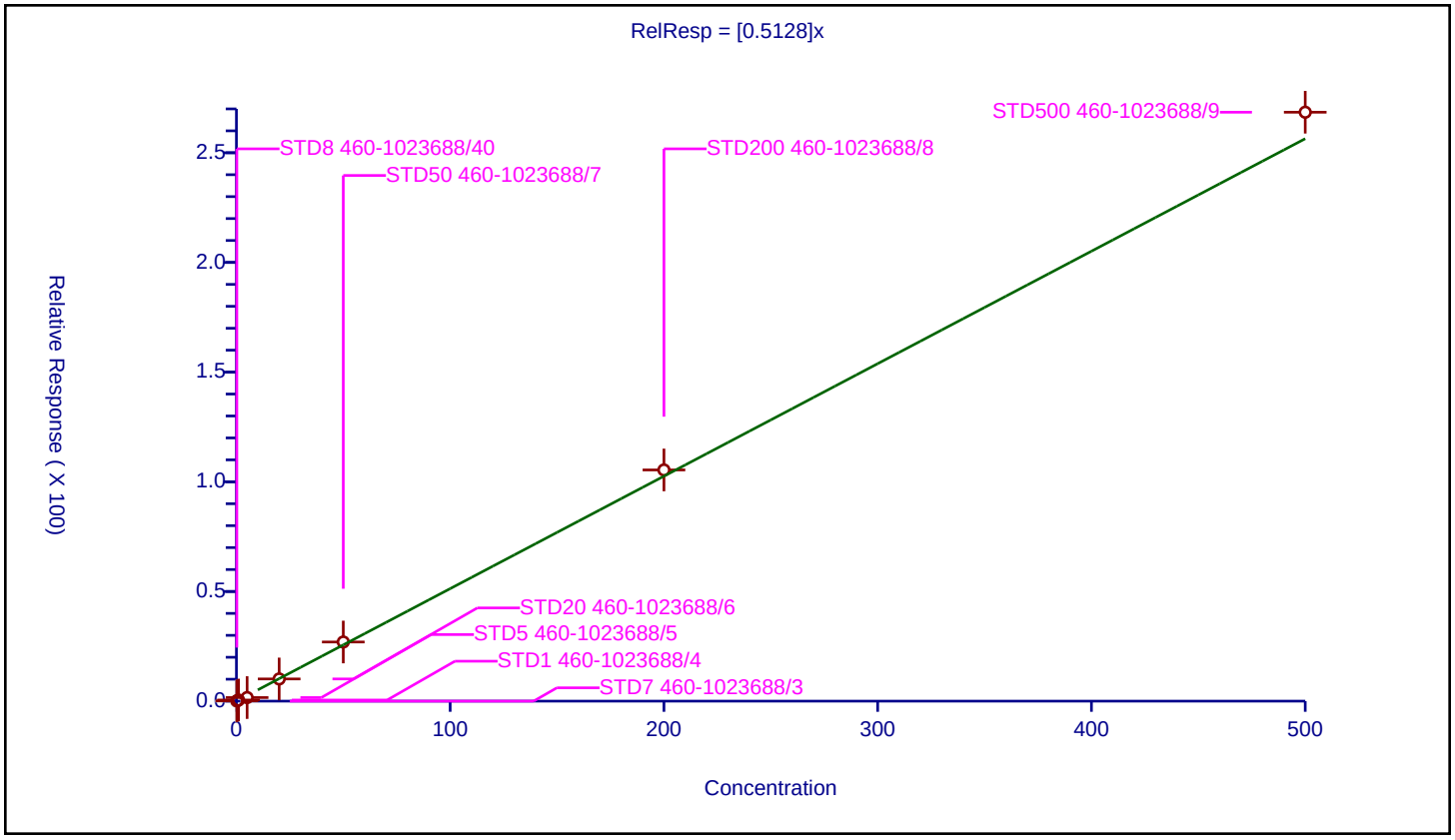
Curve Coefficients

Intercept:	0
Slope:	0.5128

Error Coefficients

Relative Standard Deviation:	18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.130999	50.0	387790.0	0.654994	Y
3	STD1 460-1023688/4	1.0	0.49814	50.0	381419.0	0.49814	Y
4	STD5 460-1023688/5	5.0	1.636456	50.0	386231.0	0.327291	Y
5	STD20 460-1023688/6	20.0	10.12113	50.0	390737.0	0.506057	Y
6	STD50 460-1023688/7	50.0	26.964241	50.0	401580.0	0.539285	Y
7	STD200 460-1023688/8	200.0	105.396071	50.0	430554.0	0.52698	Y
8	STD500 460-1023688/9	500.0	268.478683	50.0	481793.0	0.536957	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

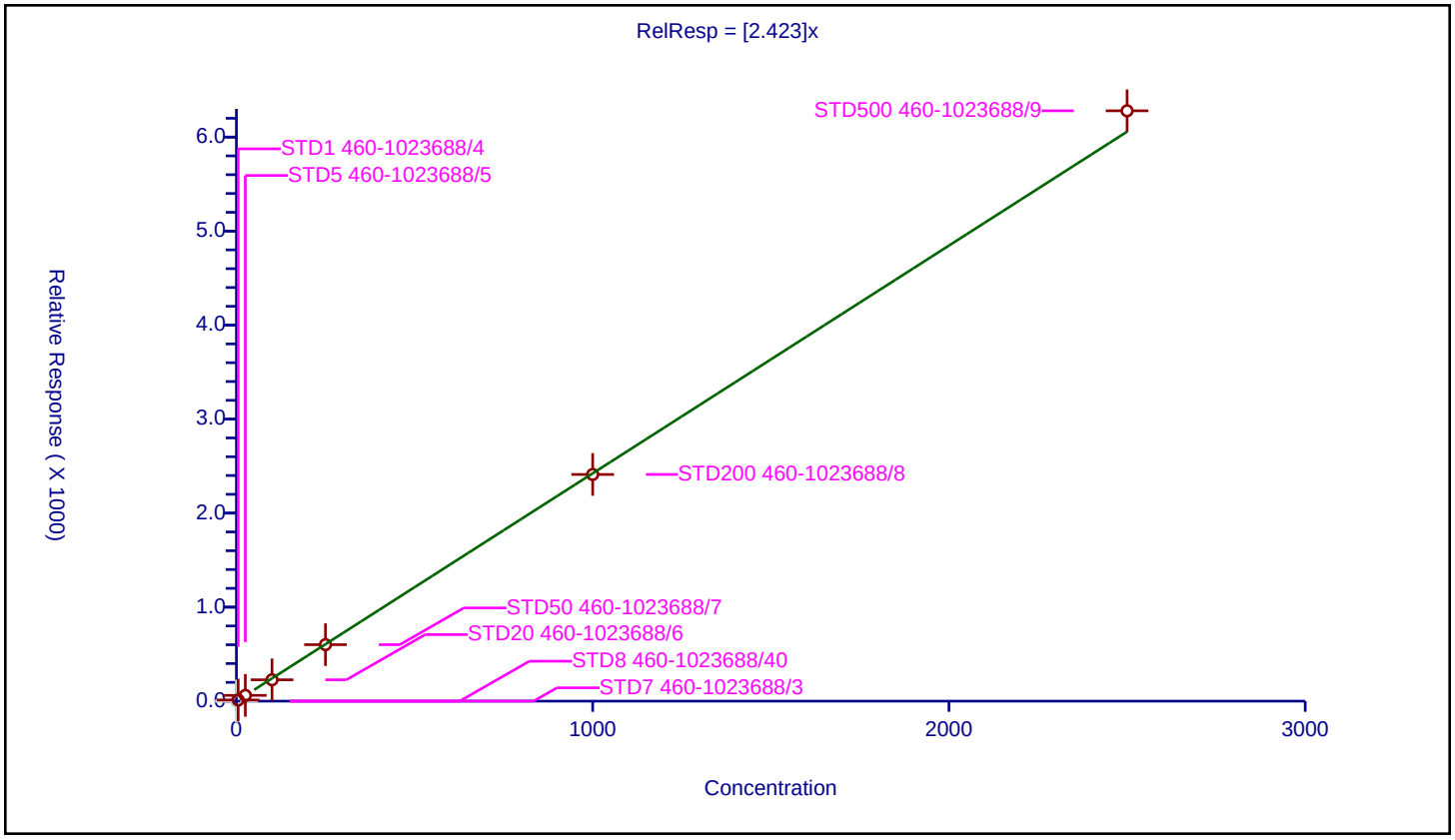
Curve Coefficients

Intercept:	0
Slope:	2.423

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	1.0	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	5.0	12.436645	250.0	128049.0	2.487329	Y
4	STD5 460-1023688/5	25.0	61.352811	250.0	134786.0	2.454112	Y
5	STD20 460-1023688/6	100.0	226.991803	250.0	138342.0	2.269918	Y
6	STD50 460-1023688/7	250.0	600.832856	250.0	127513.0	2.403331	Y
7	STD200 460-1023688/8	1000.0	2411.146097	250.0	141803.0	2.411146	Y
8	STD500 460-1023688/9	2500.0	6279.583705	250.0	162505.0	2.511833	Y



Calibration / Toluene-d8 (Surr)

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

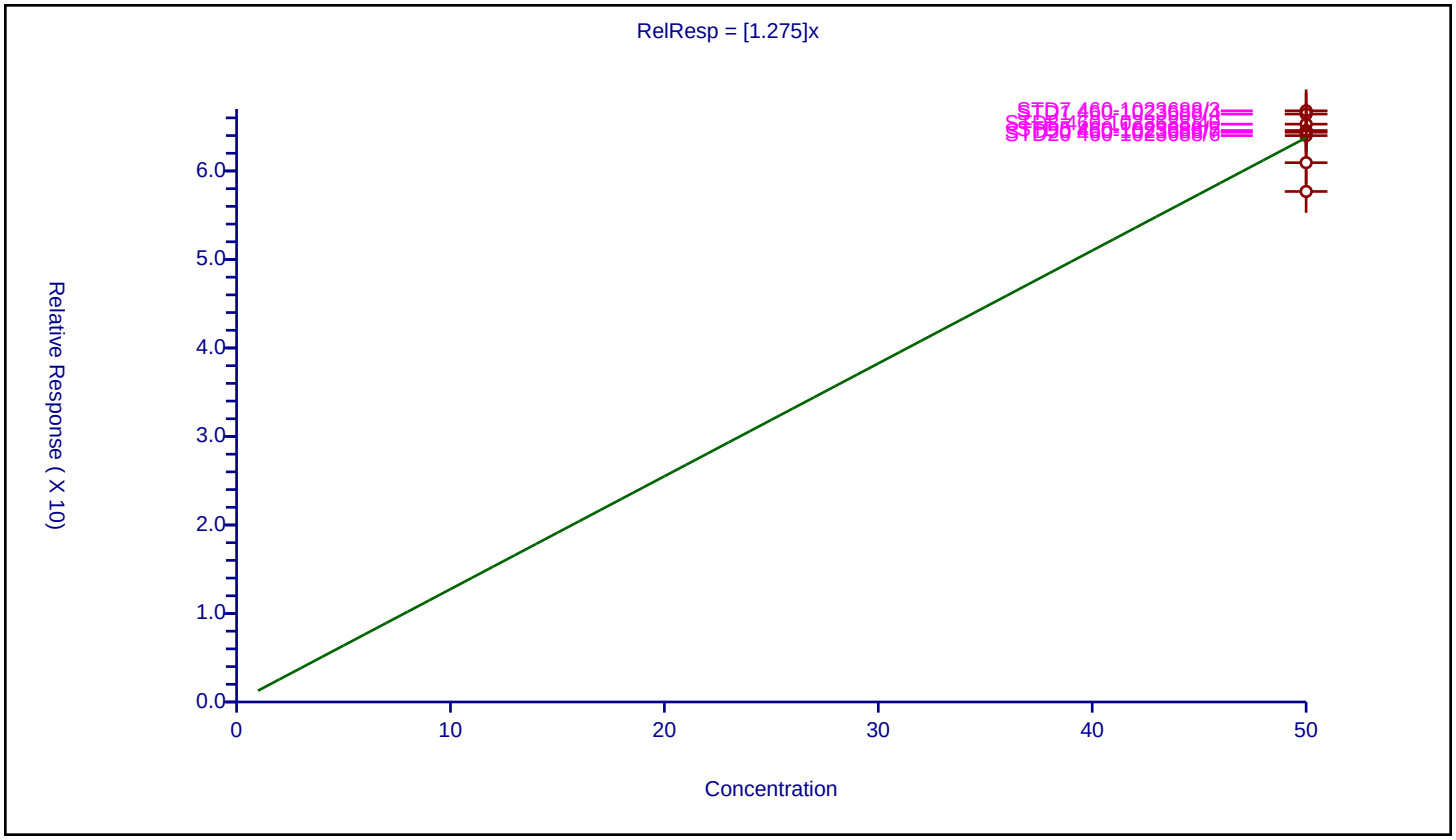
Curve Coefficients

Intercept:	0
Slope:	1.275

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	50.0	66.797844	50.0	378748.0	1.335957	Y
2	STD1 460-1023688/4	50.0	66.426423	50.0	381419.0	1.328528	Y
3	STD5 460-1023688/5	50.0	64.572497	50.0	386231.0	1.29145	Y
4	STD20 460-1023688/6	50.0	63.993556	50.0	390737.0	1.279871	Y
5	STD50 460-1023688/7	50.0	64.37584	50.0	401580.0	1.287517	Y
6	STD200 460-1023688/8	50.0	60.937188	50.0	430554.0	1.218744	Y
7	STD500 460-1023688/9	50.0	57.683071	50.0	481793.0	1.153661	Y
8	STD8 460-1023688/40	50.0	65.287914	50.0	387790.0	1.305758	Y



Calibration / Toluene

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

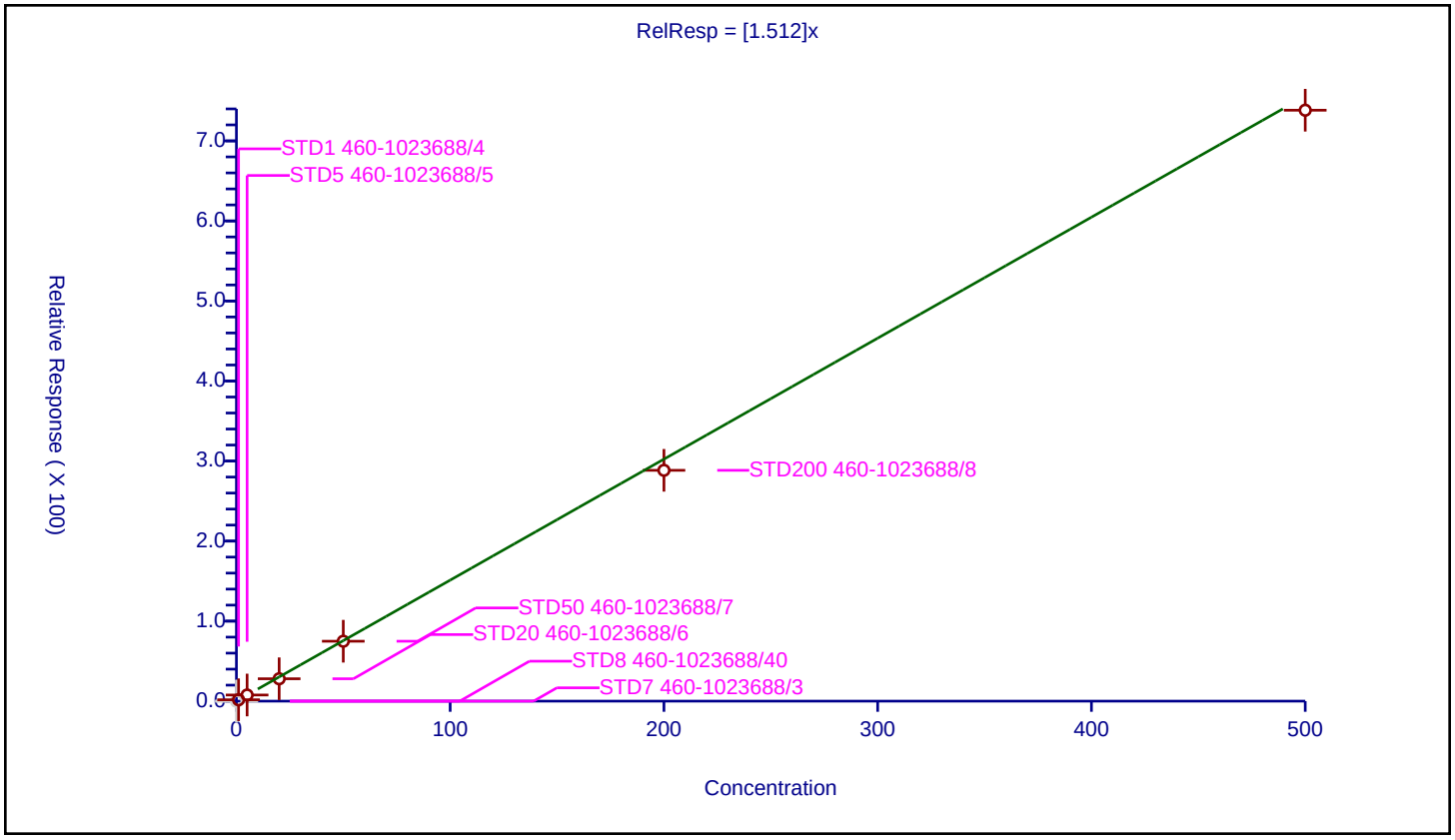
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	1.722515	50.0	381419.0	1.722515	Y
4	STD5 460-1023688/5	5.0	7.665749	50.0	386231.0	1.53315	Y
5	STD20 460-1023688/6	20.0	27.968173	50.0	390737.0	1.398409	Y
6	STD50 460-1023688/7	50.0	74.860302	50.0	401580.0	1.497206	Y
7	STD200 460-1023688/8	200.0	288.42201	50.0	430554.0	1.44211	Y
8	STD500 460-1023688/9	500.0	738.349042	50.0	481793.0	1.476698	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

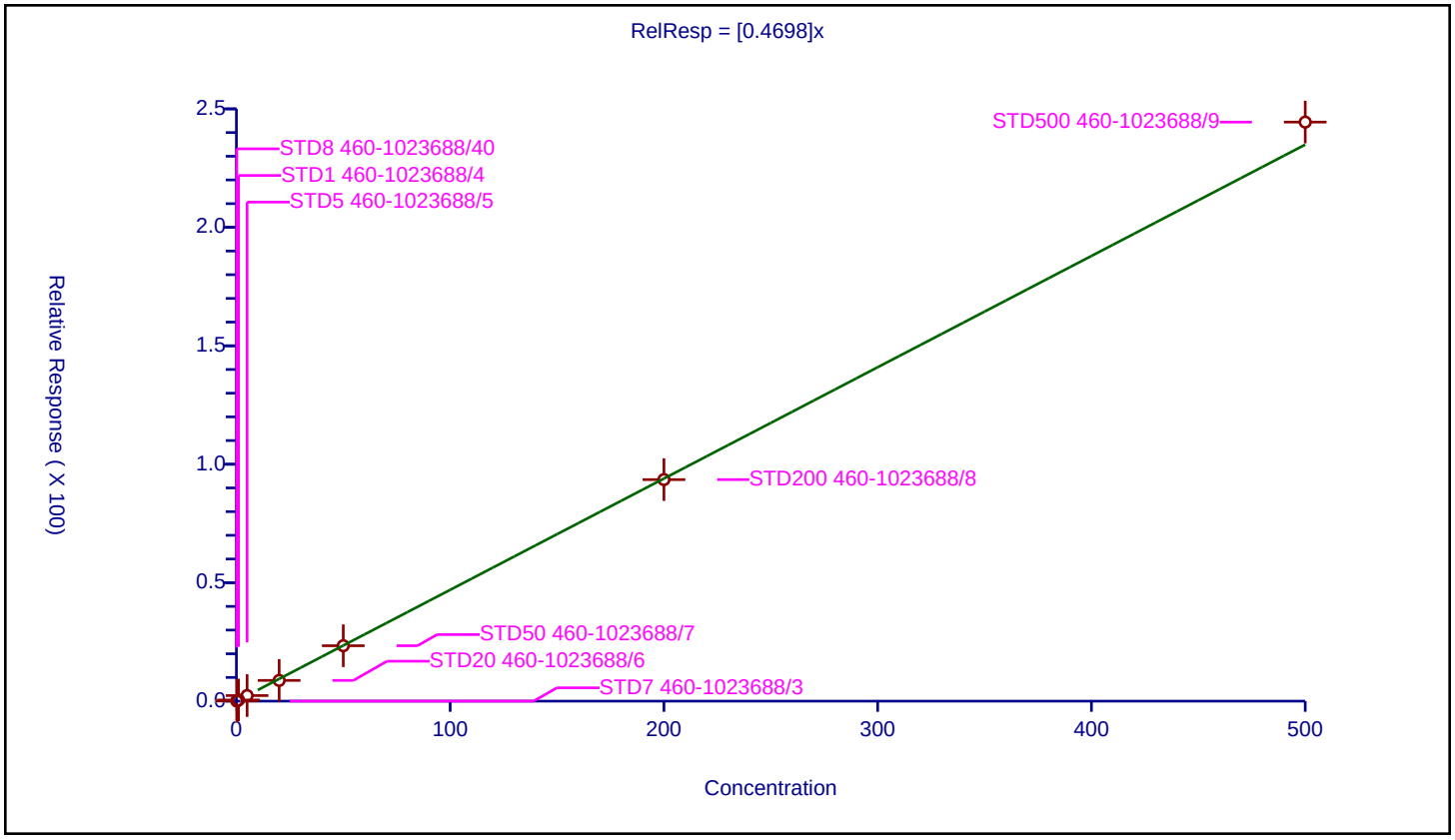
Curve Coefficients

Intercept:	0
Slope:	0.4698

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.095026	50.0	387790.0	0.475128	Y
3	STD1 460-1023688/4	1.0	0.480181	50.0	381419.0	0.480181	Y
4	STD5 460-1023688/5	5.0	2.358304	50.0	386231.0	0.471661	Y
5	STD20 460-1023688/6	20.0	8.747316	50.0	390737.0	0.437366	Y
6	STD50 460-1023688/7	50.0	23.394467	50.0	401580.0	0.467889	Y
7	STD200 460-1023688/8	200.0	93.511731	50.0	430554.0	0.467559	Y
8	STD500 460-1023688/9	500.0	244.426652	50.0	481793.0	0.488853	Y



Calibration / Ethyl methacrylate

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

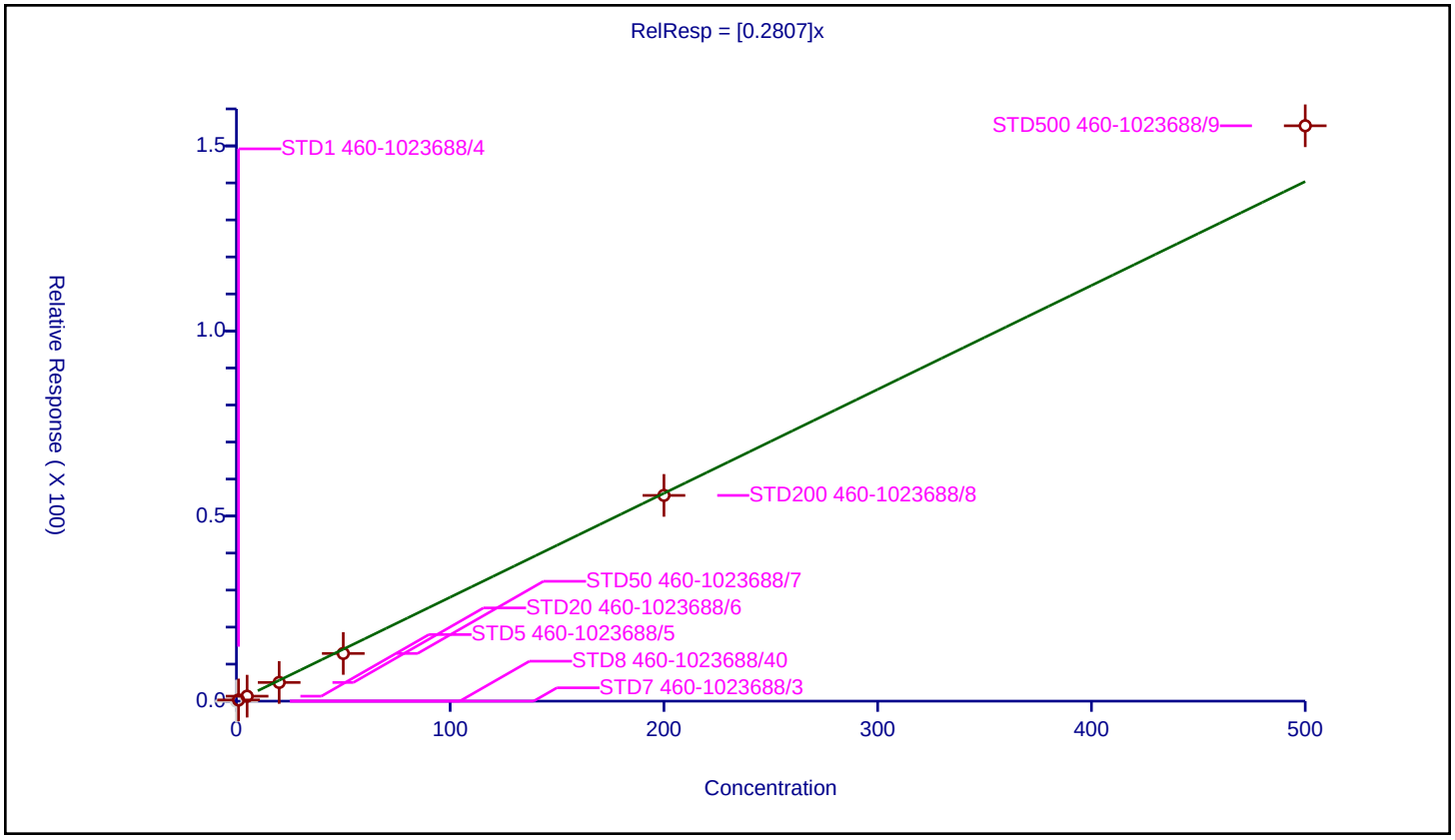
Curve Coefficients

Intercept:	0
Slope:	0.2807

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	511649.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	517720.0	0.0	N
3	STD1 460-1023688/4	1.0	0.317284	50.0	517832.0	0.317284	Y
4	STD5 460-1023688/5	5.0	1.340898	50.0	502499.0	0.26818	Y
5	STD20 460-1023688/6	20.0	5.049036	50.0	510543.0	0.252452	Y
6	STD50 460-1023688/7	50.0	12.885789	50.0	518548.0	0.257716	Y
7	STD200 460-1023688/8	200.0	55.583096	50.0	516210.0	0.277915	Y
8	STD500 460-1023688/9	500.0	155.440518	50.0	530841.0	0.310881	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

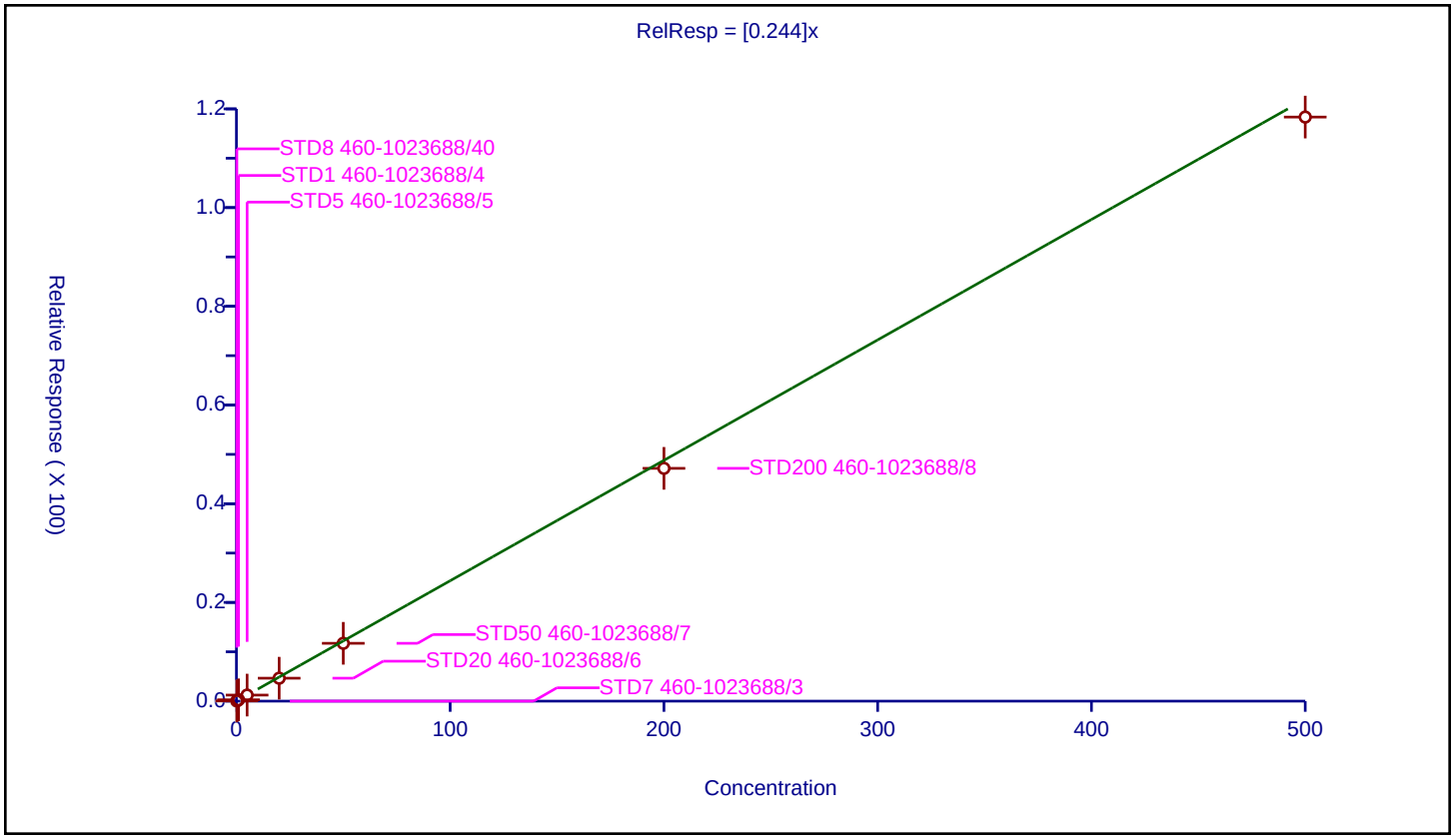
Curve Coefficients

Intercept:	0
Slope:	0.244

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.050543	50.0	387790.0	0.252714	Y
3	STD1 460-1023688/4	1.0	0.269782	50.0	381419.0	0.269782	Y
4	STD5 460-1023688/5	5.0	1.229834	50.0	386231.0	0.245967	Y
5	STD20 460-1023688/6	20.0	4.649419	50.0	390737.0	0.232471	Y
6	STD50 460-1023688/7	50.0	11.71647	50.0	401580.0	0.234329	Y
7	STD200 460-1023688/8	200.0	47.167951	50.0	430554.0	0.23584	Y
8	STD500 460-1023688/9	500.0	118.344912	50.0	481793.0	0.23669	Y



Calibration / Tetrachloroethene

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

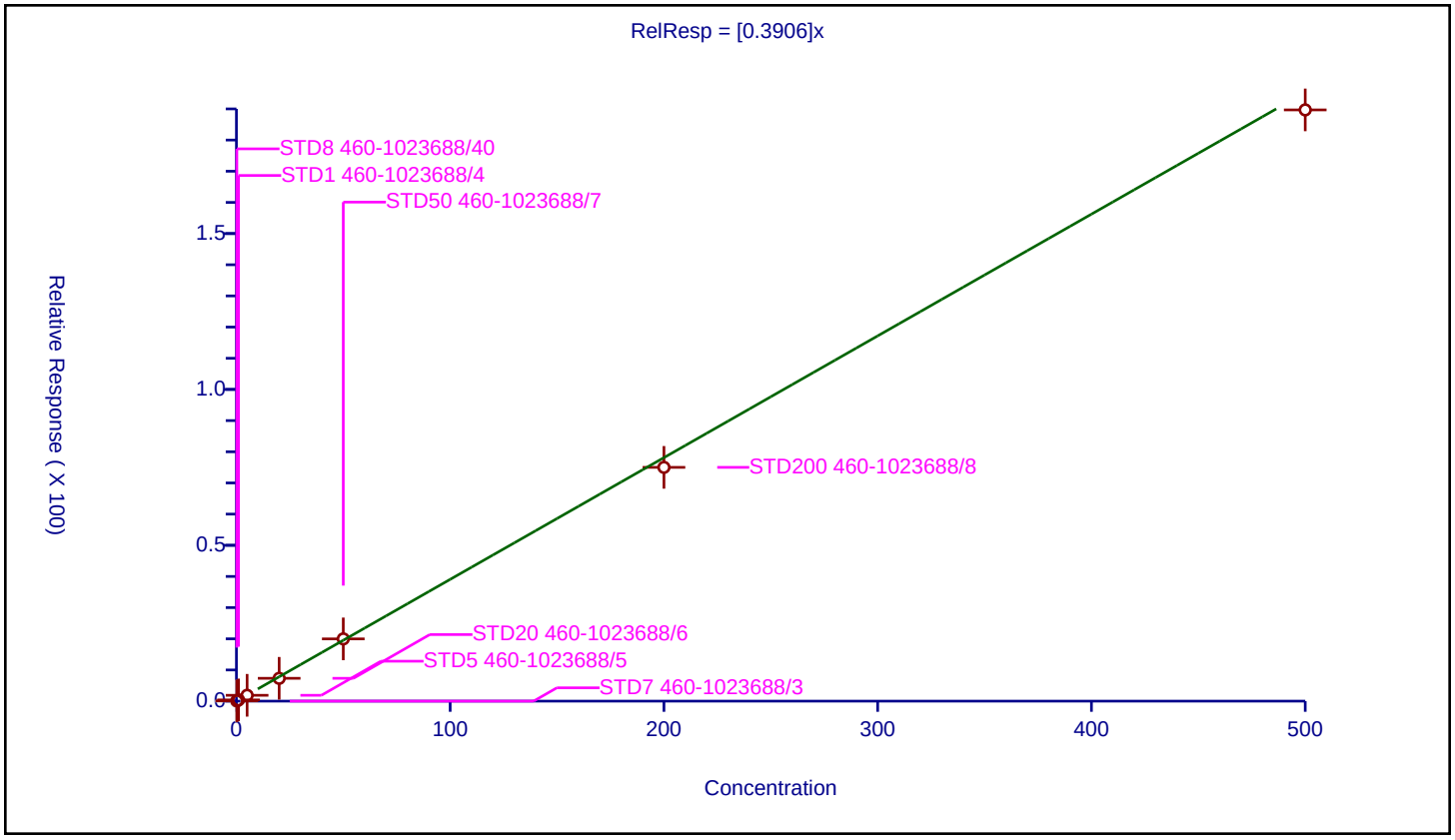
Curve Coefficients

Intercept:	0
Slope:	0.3906

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.08961	50.0	387790.0	0.448052	Y
3	STD1 460-1023688/4	1.0	0.390909	50.0	381419.0	0.390909	Y
4	STD5 460-1023688/5	5.0	1.87582	50.0	386231.0	0.375164	Y
5	STD20 460-1023688/6	20.0	7.322572	50.0	390737.0	0.366129	Y
6	STD50 460-1023688/7	50.0	19.975721	50.0	401580.0	0.399514	Y
7	STD200 460-1023688/8	200.0	74.998258	50.0	430554.0	0.374991	Y
8	STD500 460-1023688/9	500.0	189.677621	50.0	481793.0	0.379355	Y



Calibration / 1,3-Dichloropropane

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

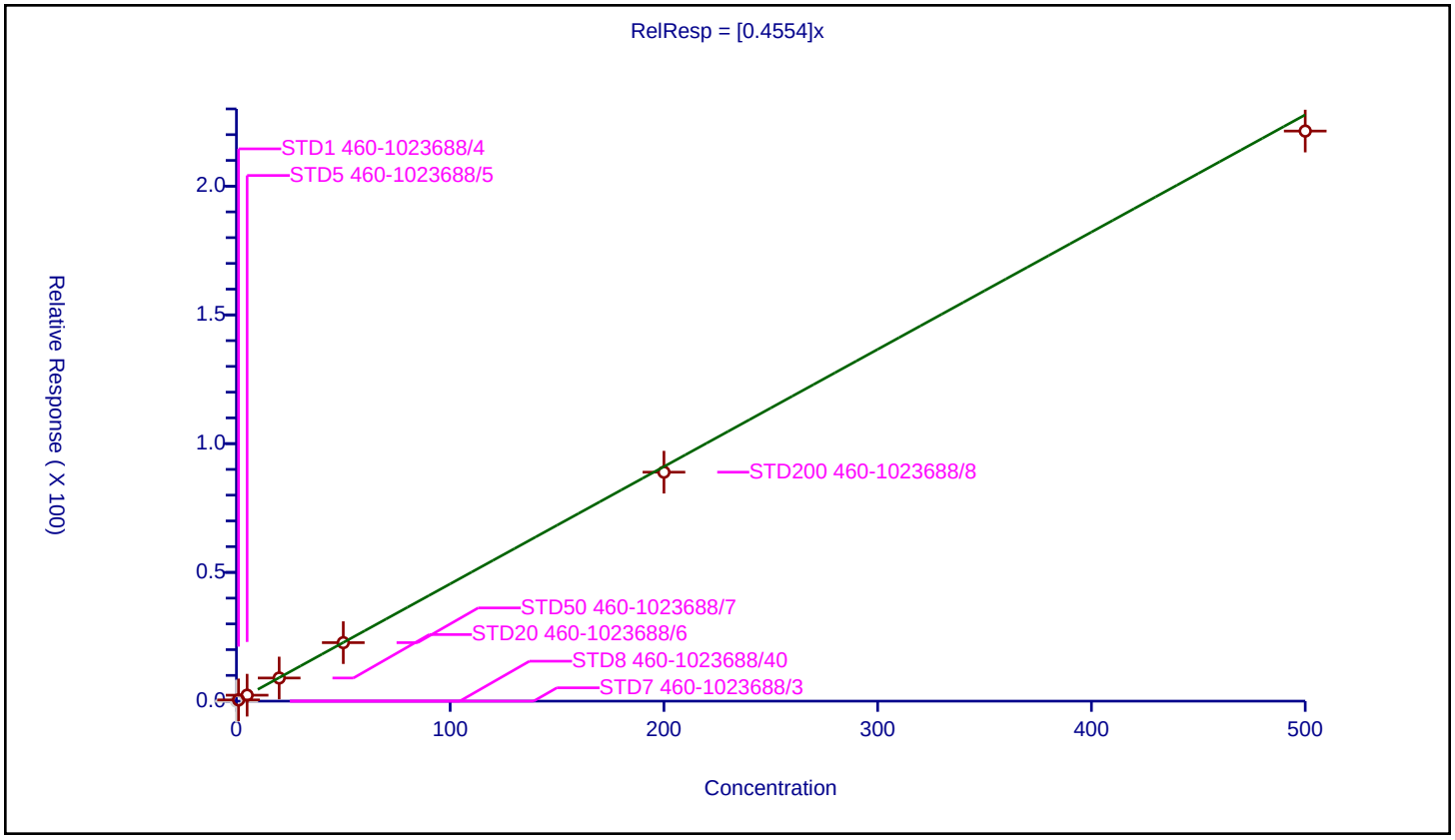
Curve Coefficients

Intercept:	0
Slope:	0.4554

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.478739	50.0	381419.0	0.478739	Y
4	STD5 460-1023688/5	5.0	2.314159	50.0	386231.0	0.462832	Y
5	STD20 460-1023688/6	20.0	8.981617	50.0	390737.0	0.449081	Y
6	STD50 460-1023688/7	50.0	22.720878	50.0	401580.0	0.454418	Y
7	STD200 460-1023688/8	200.0	88.914166	50.0	430554.0	0.444571	Y
8	STD500 460-1023688/9	500.0	221.39259	50.0	481793.0	0.442785	Y



Calibration / 2-Hexanone

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

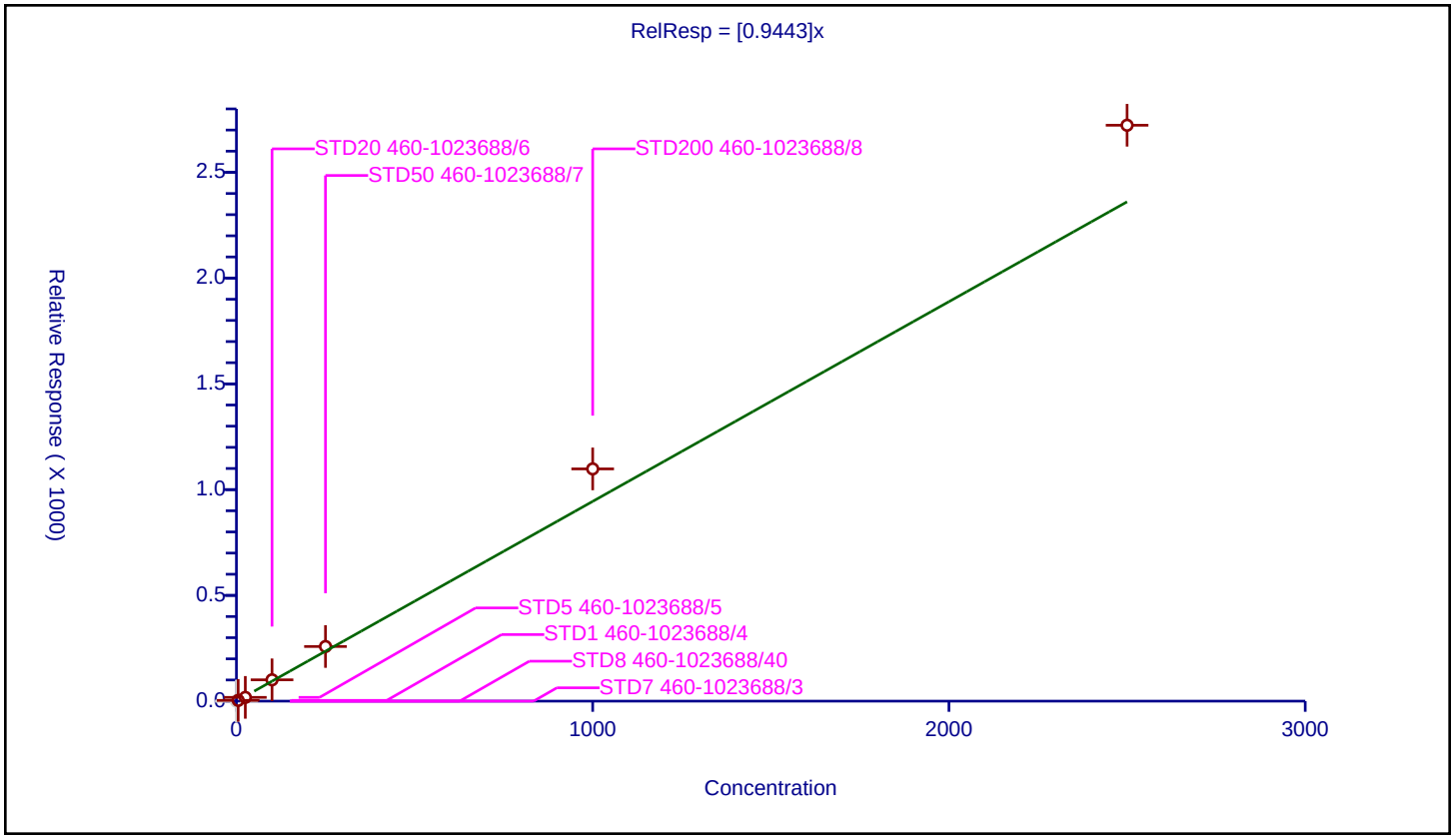
Curve Coefficients

Intercept:	0
Slope:	0.9443

Error Coefficients

Relative Standard Deviation:	18.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	250.0	143988.0	NaN	N
2	STD8 460-1023688/40	1.0	0.0	250.0	143421.0	0.0	N
3	STD1 460-1023688/4	5.0	3.62166	250.0	128049.0	0.724332	Y
4	STD5 460-1023688/5	25.0	17.820842	250.0	134786.0	0.712834	Y
5	STD20 460-1023688/6	100.0	100.84067	250.0	138342.0	1.008407	Y
6	STD50 460-1023688/7	250.0	258.330523	250.0	127513.0	1.033322	Y
7	STD200 460-1023688/8	1000.0	1098.00921	250.0	141803.0	1.098009	Y
8	STD500 460-1023688/9	2500.0	2722.682379	250.0	162505.0	1.089073	Y



Calibration / n-Butyl acetate

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

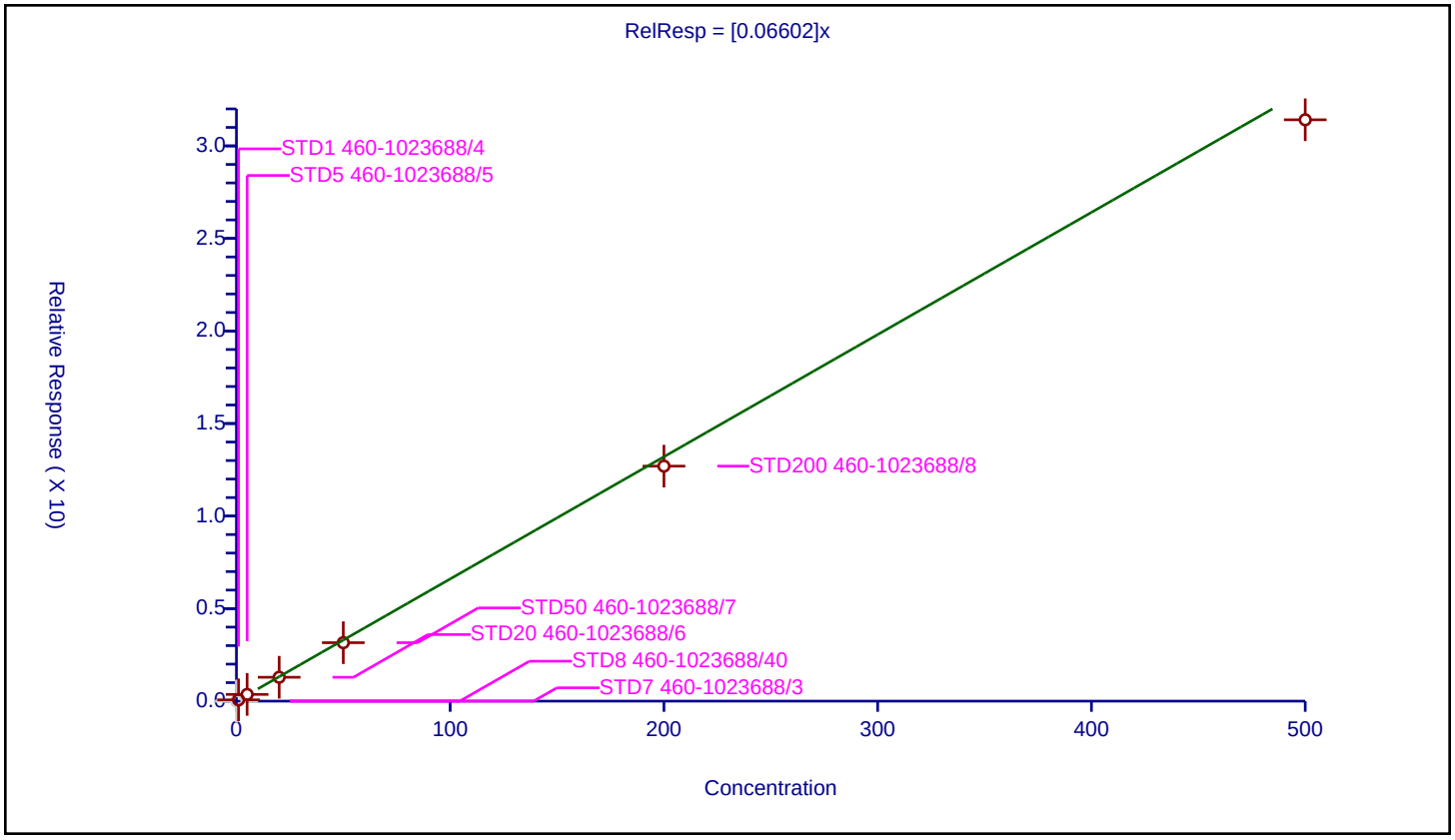
Curve Coefficients

Intercept:	0
Slope:	0.06602

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.069477	50.0	381419.0	0.069477	Y
4	STD5 460-1023688/5	5.0	0.363254	50.0	386231.0	0.072651	Y
5	STD20 460-1023688/6	20.0	1.29051	50.0	390737.0	0.064525	Y
6	STD50 460-1023688/7	50.0	3.158648	50.0	401580.0	0.063173	Y
7	STD200 460-1023688/8	200.0	12.697943	50.0	430554.0	0.06349	Y
8	STD500 460-1023688/9	500.0	31.410793	50.0	481793.0	0.062822	Y



Calibration / Chlorodibromomethane

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

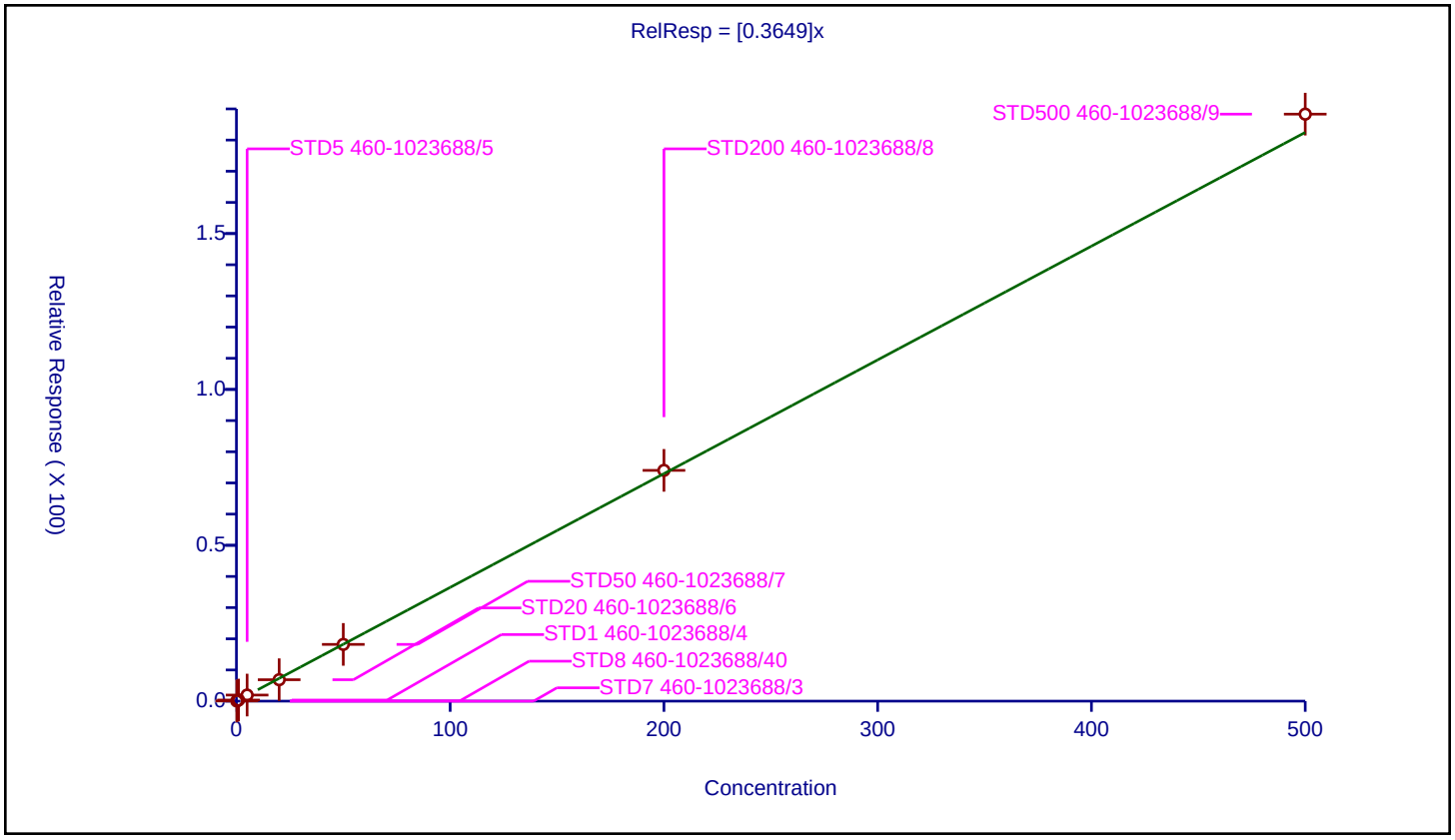
Curve Coefficients

Intercept:	0
Slope:	0.3649

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.071946	50.0	387790.0	0.359731	Y
3	STD1 460-1023688/4	1.0	0.35014	50.0	381419.0	0.35014	Y
4	STD5 460-1023688/5	5.0	1.948834	50.0	386231.0	0.389767	Y
5	STD20 460-1023688/6	20.0	6.875725	50.0	390737.0	0.343786	Y
6	STD50 460-1023688/7	50.0	18.208203	50.0	401580.0	0.364164	Y
7	STD200 460-1023688/8	200.0	74.036358	50.0	430554.0	0.370182	Y
8	STD500 460-1023688/9	500.0	188.31438	50.0	481793.0	0.376629	Y



Calibration / Ethylene Dibromide

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

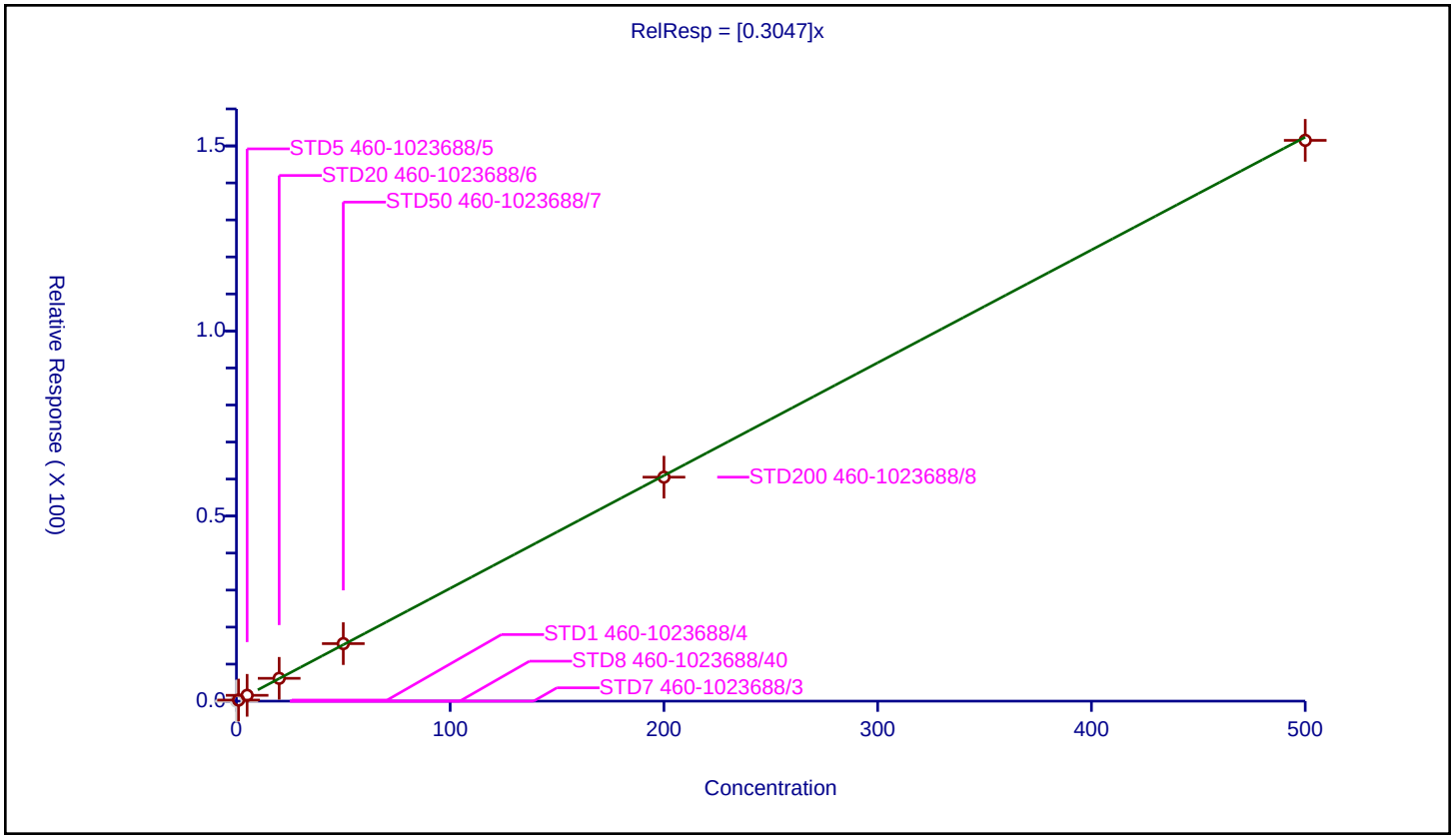
Curve Coefficients

Intercept:	0
Slope:	0.3047

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.289314	50.0	381419.0	0.289314	Y
4	STD5 460-1023688/5	5.0	1.573281	50.0	386231.0	0.314656	Y
5	STD20 460-1023688/6	20.0	6.163609	50.0	390737.0	0.30818	Y
6	STD50 460-1023688/7	50.0	15.535136	50.0	401580.0	0.310703	Y
7	STD200 460-1023688/8	200.0	60.507741	50.0	430554.0	0.302539	Y
8	STD500 460-1023688/9	500.0	151.50106	50.0	481793.0	0.303002	Y



Calibration / Chlorobenzene

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

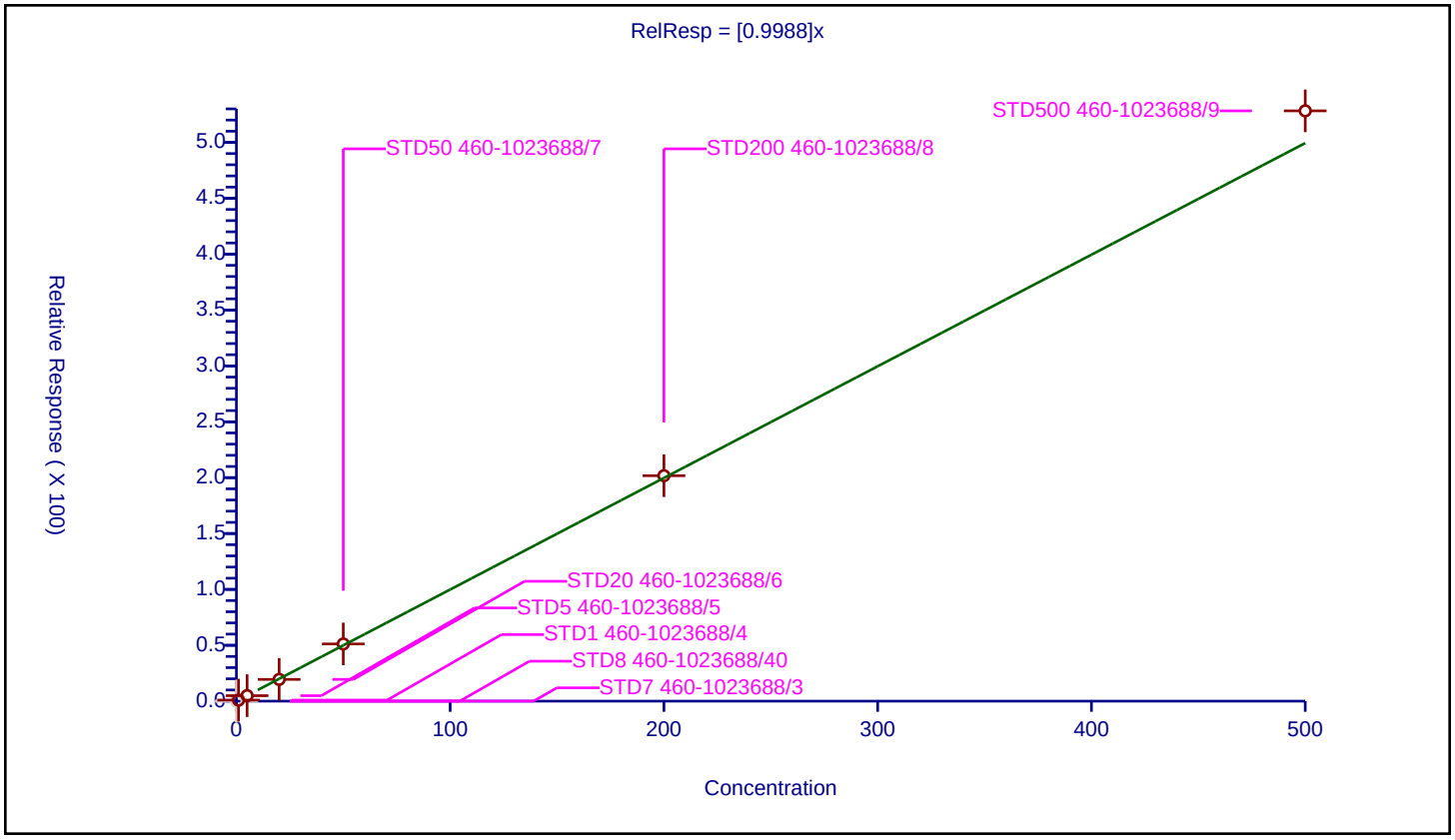
Curve Coefficients

Intercept:	0
Slope:	0.9988

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.948301	50.0	381419.0	0.948301	Y
4	STD5 460-1023688/5	5.0	4.908591	50.0	386231.0	0.981718	Y
5	STD20 460-1023688/6	20.0	19.471793	50.0	390737.0	0.97359	Y
6	STD50 460-1023688/7	50.0	51.189551	50.0	401580.0	1.023791	Y
7	STD200 460-1023688/8	200.0	201.737993	50.0	430554.0	1.00869	Y
8	STD500 460-1023688/9	500.0	528.229966	50.0	481793.0	1.05646	Y



Calibration / Ethylbenzene

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

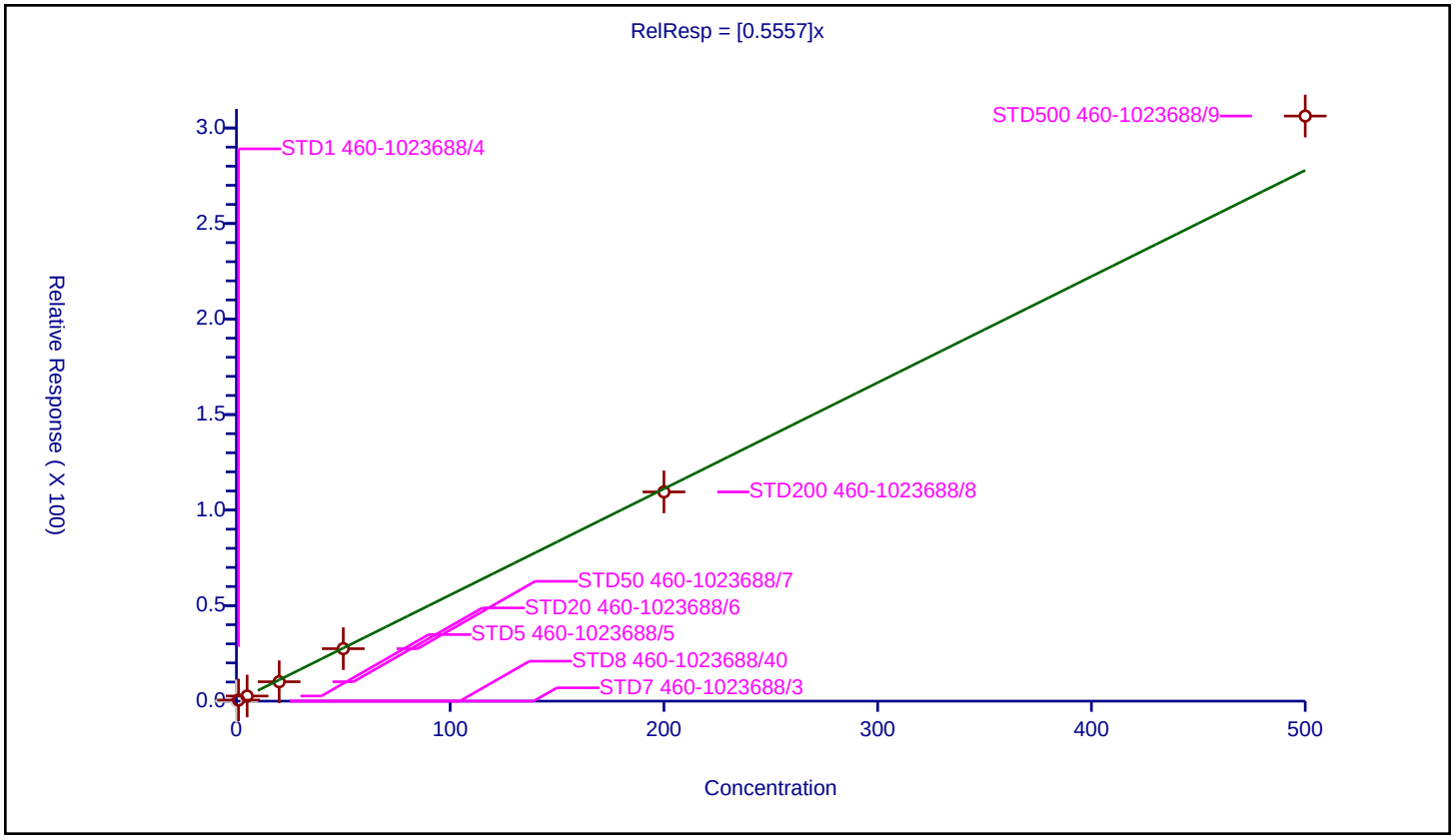
Curve Coefficients

Intercept:	0
Slope:	0.5557

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.581644	50.0	381419.0	0.581644	Y
4	STD5 460-1023688/5	5.0	2.680391	50.0	386231.0	0.536078	Y
5	STD20 460-1023688/6	20.0	10.150306	50.0	390737.0	0.507515	Y
6	STD50 460-1023688/7	50.0	27.453558	50.0	401580.0	0.549071	Y
7	STD200 460-1023688/8	200.0	109.509957	50.0	430554.0	0.54755	Y
8	STD500 460-1023688/9	500.0	306.265243	50.0	481793.0	0.61253	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

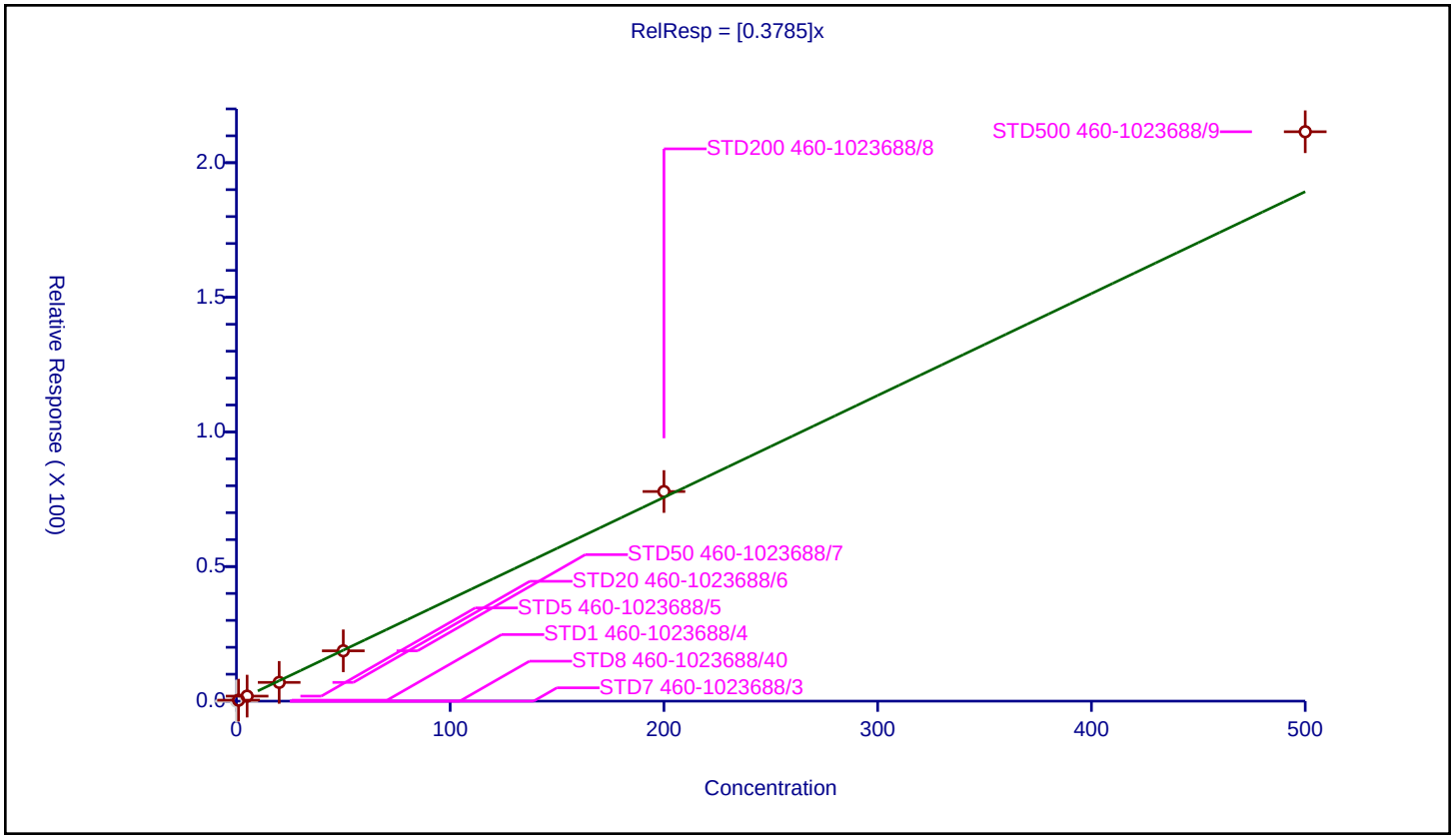
Curve Coefficients

Intercept:	0
Slope:	0.3785

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.363511	50.0	381419.0	0.363511	Y
4	STD5 460-1023688/5	5.0	1.865852	50.0	386231.0	0.37317	Y
5	STD20 460-1023688/6	20.0	6.959796	50.0	390737.0	0.34799	Y
6	STD50 460-1023688/7	50.0	18.698889	50.0	401580.0	0.373978	Y
7	STD200 460-1023688/8	200.0	77.865146	50.0	430554.0	0.389326	Y
8	STD500 460-1023688/9	500.0	211.510856	50.0	481793.0	0.423022	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

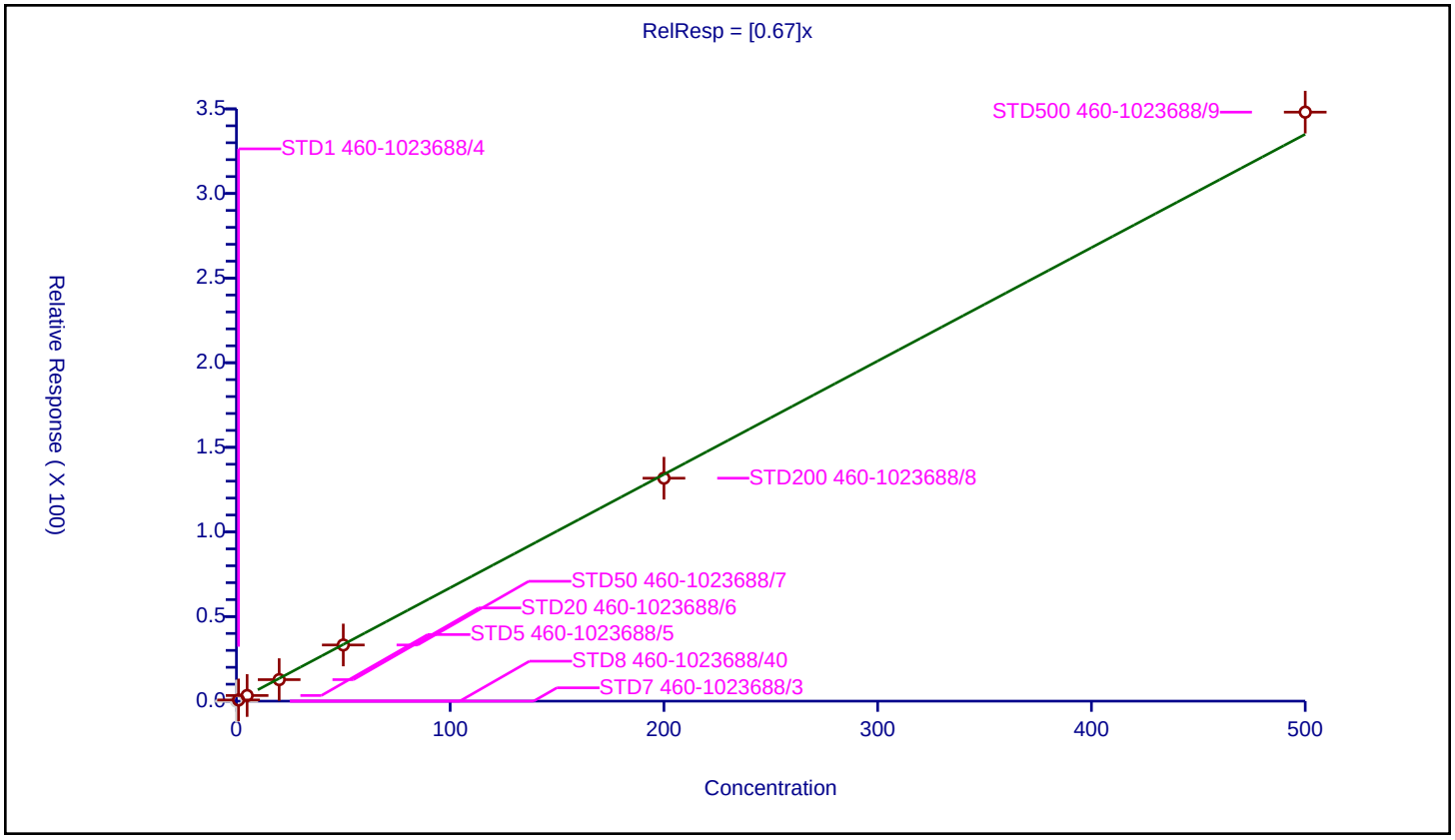
Curve Coefficients

Intercept:	0
Slope:	0.67

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.700804	50.0	381419.0	0.700804	Y
4	STD5 460-1023688/5	5.0	3.324306	50.0	386231.0	0.664861	Y
5	STD20 460-1023688/6	20.0	12.714179	50.0	390737.0	0.635709	Y
6	STD50 460-1023688/7	50.0	33.191145	50.0	401580.0	0.663823	Y
7	STD200 460-1023688/8	200.0	131.753857	50.0	430554.0	0.658769	Y
8	STD500 460-1023688/9	500.0	348.08289	50.0	481793.0	0.696166	Y



Calibration / n-Butyl acrylate

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

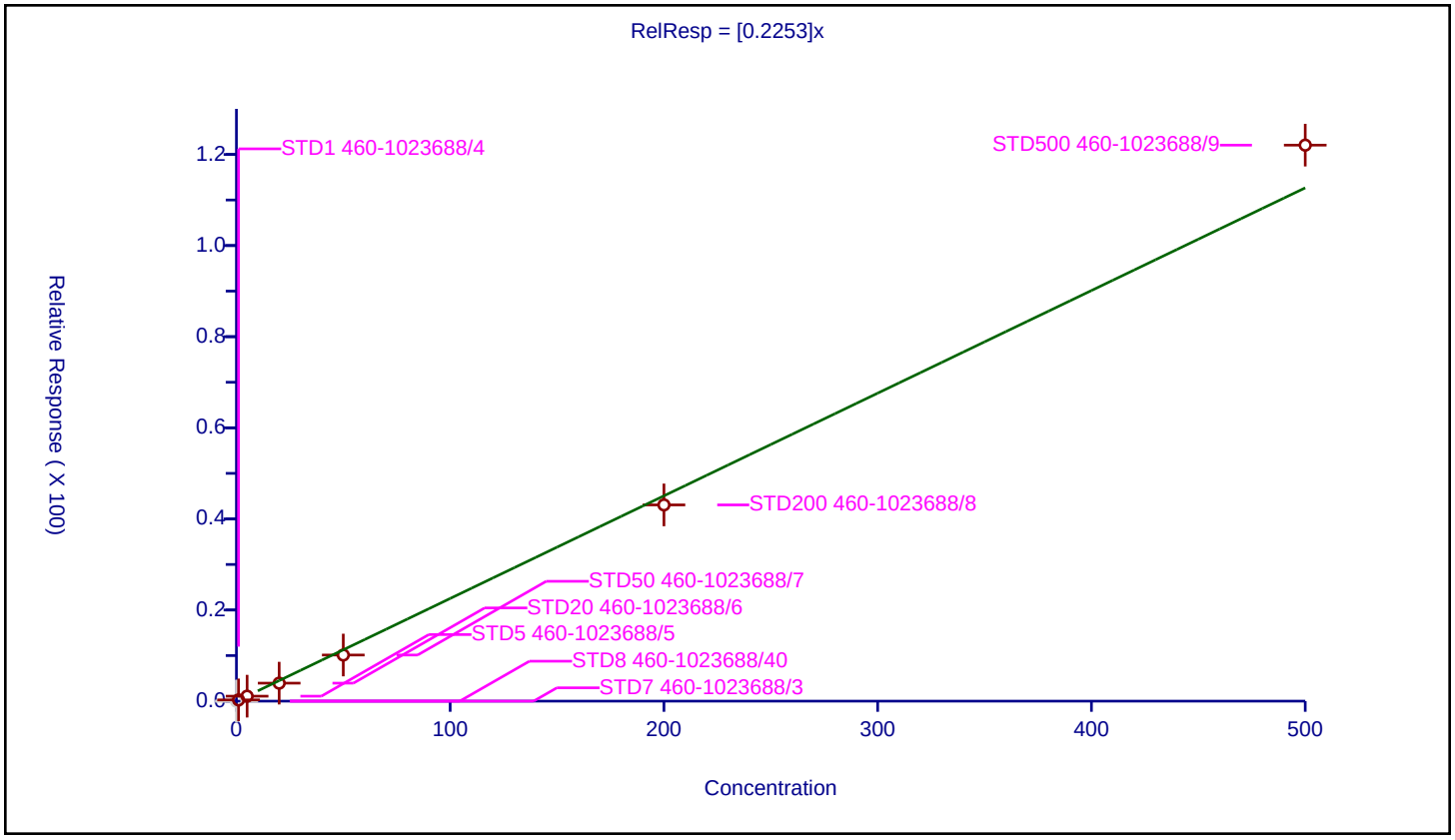
Curve Coefficients

Intercept:	0
Slope:	0.2253

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.274239	50.0	381419.0	0.274239	Y
4	STD5 460-1023688/5	5.0	1.092093	50.0	386231.0	0.218419	Y
5	STD20 460-1023688/6	20.0	3.948052	50.0	390737.0	0.197403	Y
6	STD50 460-1023688/7	50.0	10.122516	50.0	401580.0	0.20245	Y
7	STD200 460-1023688/8	200.0	43.07253	50.0	430554.0	0.215363	Y
8	STD500 460-1023688/9	500.0	122.041935	50.0	481793.0	0.244084	Y



Calibration / o-Xylene

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

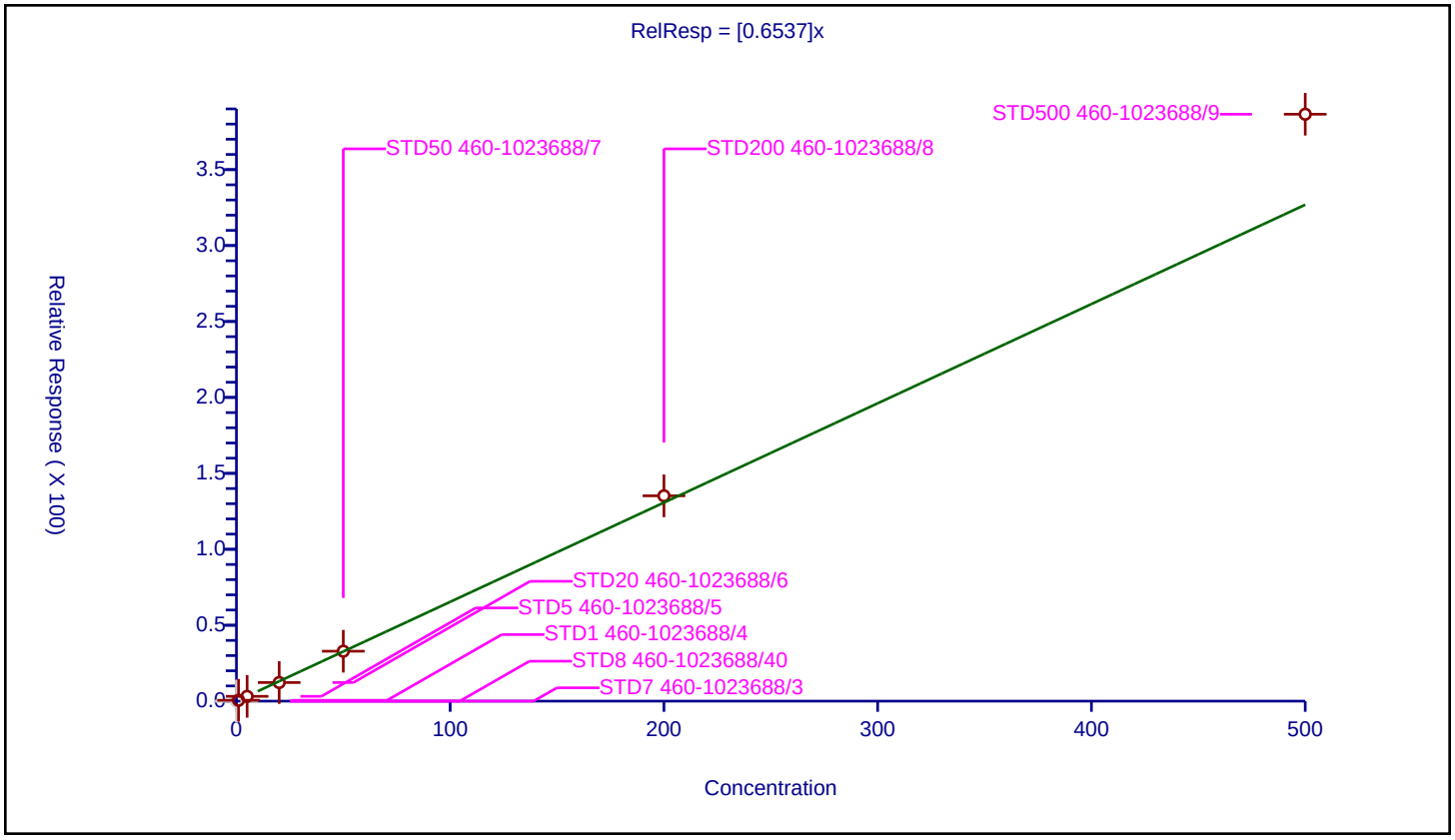
Curve Coefficients

Intercept:	0
Slope:	0.6537

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.571419	50.0	381419.0	0.571419	Y
4	STD5 460-1023688/5	5.0	3.159249	50.0	386231.0	0.63185	Y
5	STD20 460-1023688/6	20.0	12.250184	50.0	390737.0	0.612509	Y
6	STD50 460-1023688/7	50.0	32.881369	50.0	401580.0	0.657627	Y
7	STD200 460-1023688/8	200.0	135.209869	50.0	430554.0	0.676049	Y
8	STD500 460-1023688/9	500.0	386.490983	50.0	481793.0	0.772982	Y



Calibration / Styrene

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

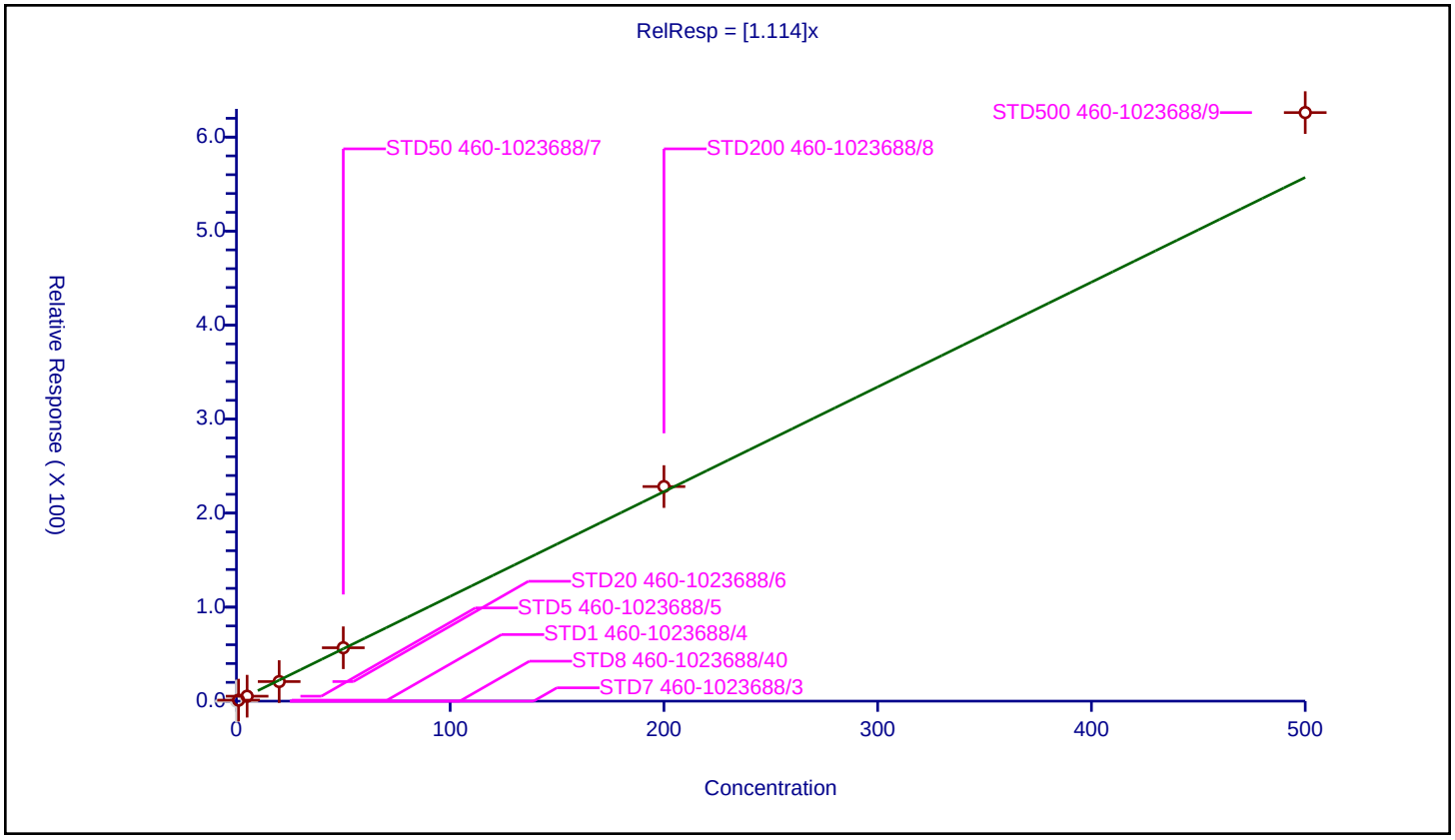
Curve Coefficients

Intercept:	0
Slope:	1.114

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	1.0613	50.0	381419.0	1.0613	Y
4	STD5 460-1023688/5	5.0	5.269385	50.0	386231.0	1.053877	Y
5	STD20 460-1023688/6	20.0	20.813744	50.0	390737.0	1.040687	Y
6	STD50 460-1023688/7	50.0	56.792669	50.0	401580.0	1.135853	Y
7	STD200 460-1023688/8	200.0	228.266489	50.0	430554.0	1.141332	Y
8	STD500 460-1023688/9	500.0	626.048739	50.0	481793.0	1.252097	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

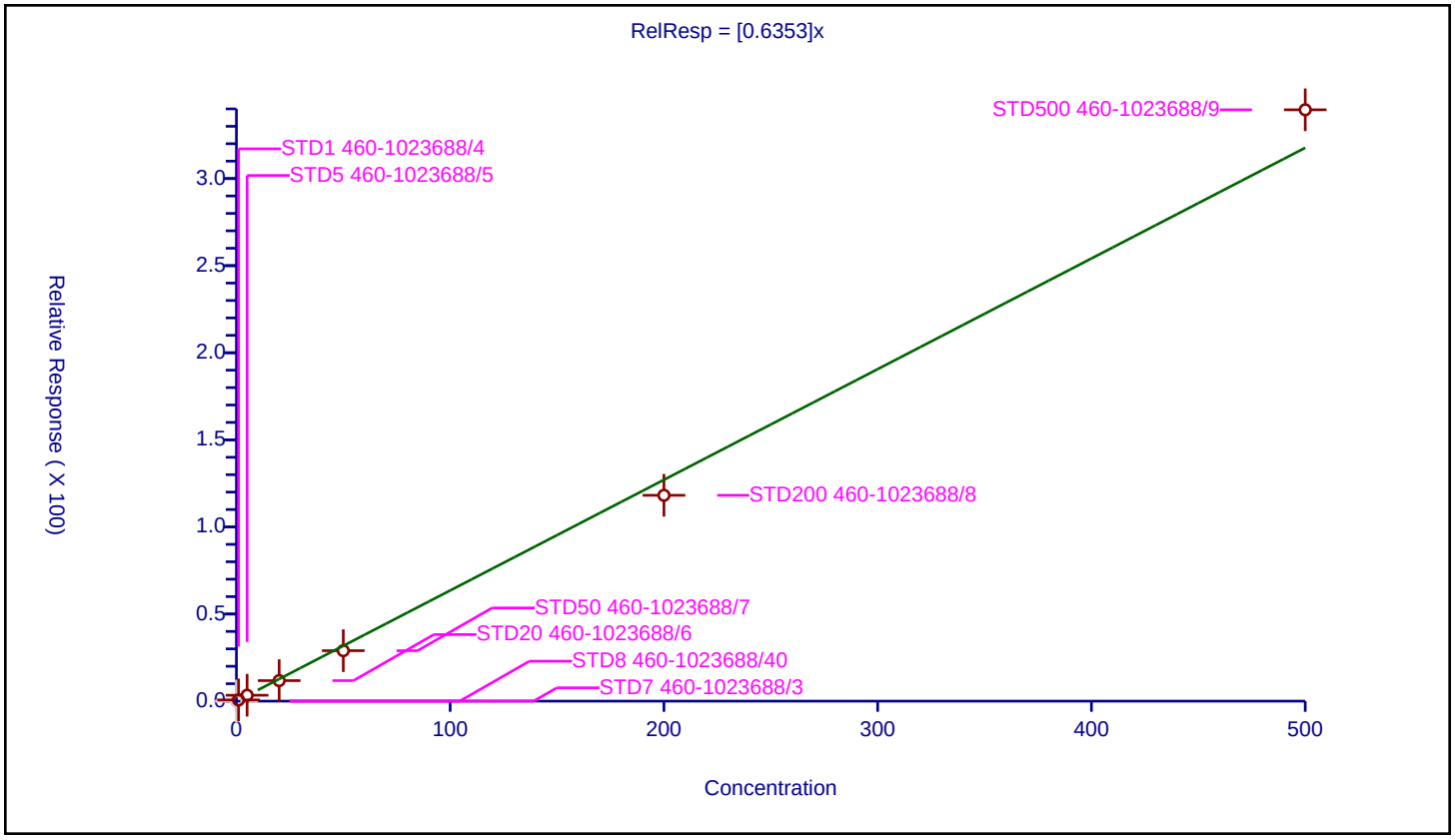
Curve Coefficients

Intercept:	0
Slope:	0.6353

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.697461	50.0	205101.0	0.697461	Y
4	STD5 460-1023688/5	5.0	3.3817	50.0	210338.0	0.67634	Y
5	STD20 460-1023688/6	20.0	11.777905	50.0	216592.0	0.588895	Y
6	STD50 460-1023688/7	50.0	28.970529	50.0	224290.0	0.579411	Y
7	STD200 460-1023688/8	200.0	118.165034	50.0	245367.0	0.590825	Y
8	STD500 460-1023688/9	500.0	339.481225	50.0	255814.0	0.678962	Y



Calibration / Bromoform

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

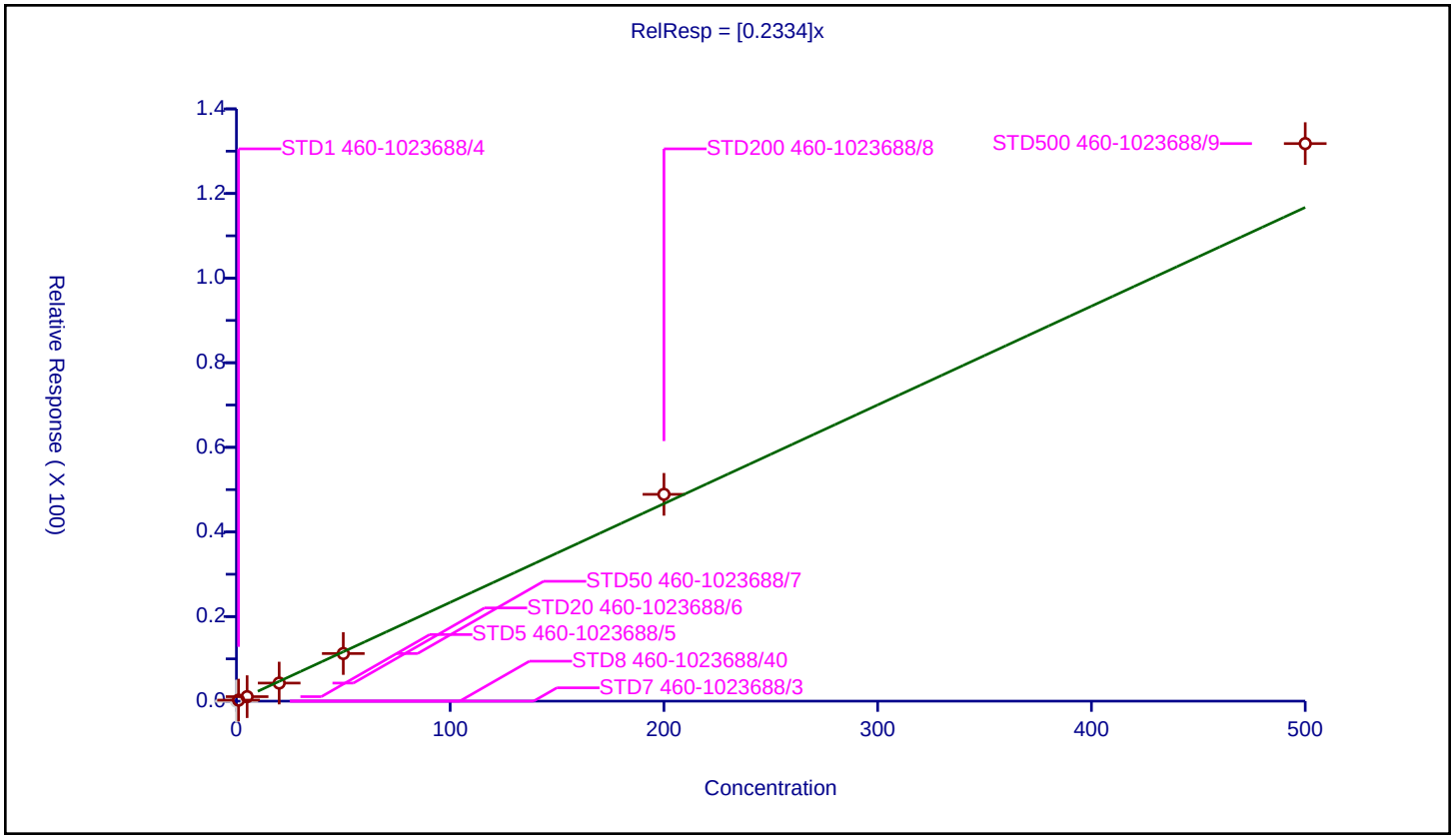
Curve Coefficients

Intercept:	0
Slope:	0.2334

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	0.241205	50.0	381419.0	0.241205	Y
4	STD5 460-1023688/5	5.0	1.062835	50.0	386231.0	0.212567	Y
5	STD20 460-1023688/6	20.0	4.272055	50.0	390737.0	0.213603	Y
6	STD50 460-1023688/7	50.0	11.255665	50.0	401580.0	0.225113	Y
7	STD200 460-1023688/8	200.0	48.885738	50.0	430554.0	0.244429	Y
8	STD500 460-1023688/9	500.0	131.797992	50.0	481793.0	0.263596	Y



Calibration / Isopropylbenzene

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

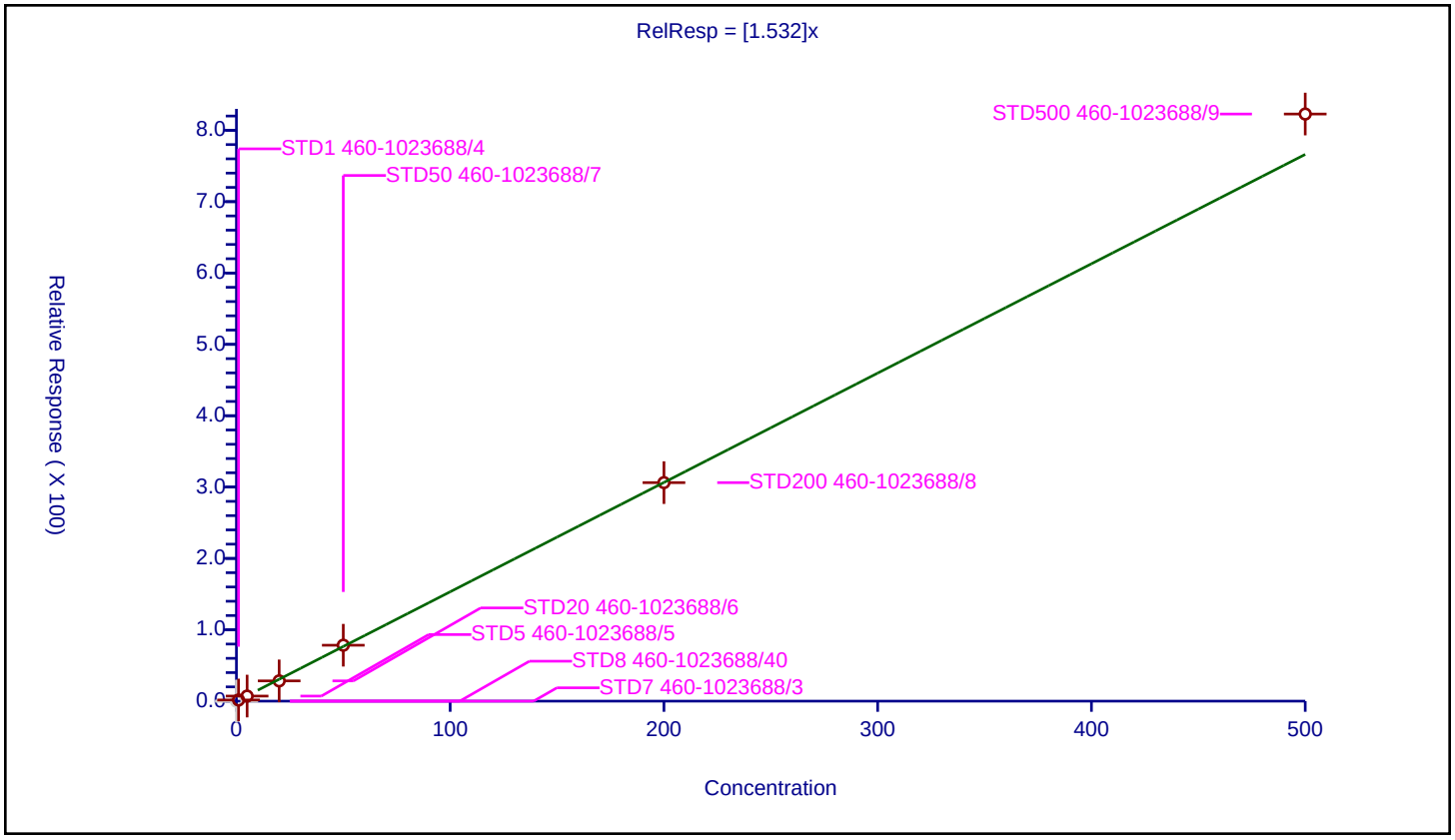
Curve Coefficients

Intercept:	0
Slope:	1.532

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	378748.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	387790.0	0.0	N
3	STD1 460-1023688/4	1.0	1.609254	50.0	381419.0	1.609254	Y
4	STD5 460-1023688/5	5.0	7.104039	50.0	386231.0	1.420808	Y
5	STD20 460-1023688/6	20.0	28.39749	50.0	390737.0	1.419874	Y
6	STD50 460-1023688/7	50.0	78.38351	50.0	401580.0	1.56767	Y
7	STD200 460-1023688/8	200.0	306.240797	50.0	430554.0	1.531204	Y
8	STD500 460-1023688/9	500.0	822.810522	50.0	481793.0	1.645621	Y



Calibration / 4-Bromofluorobenzene

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

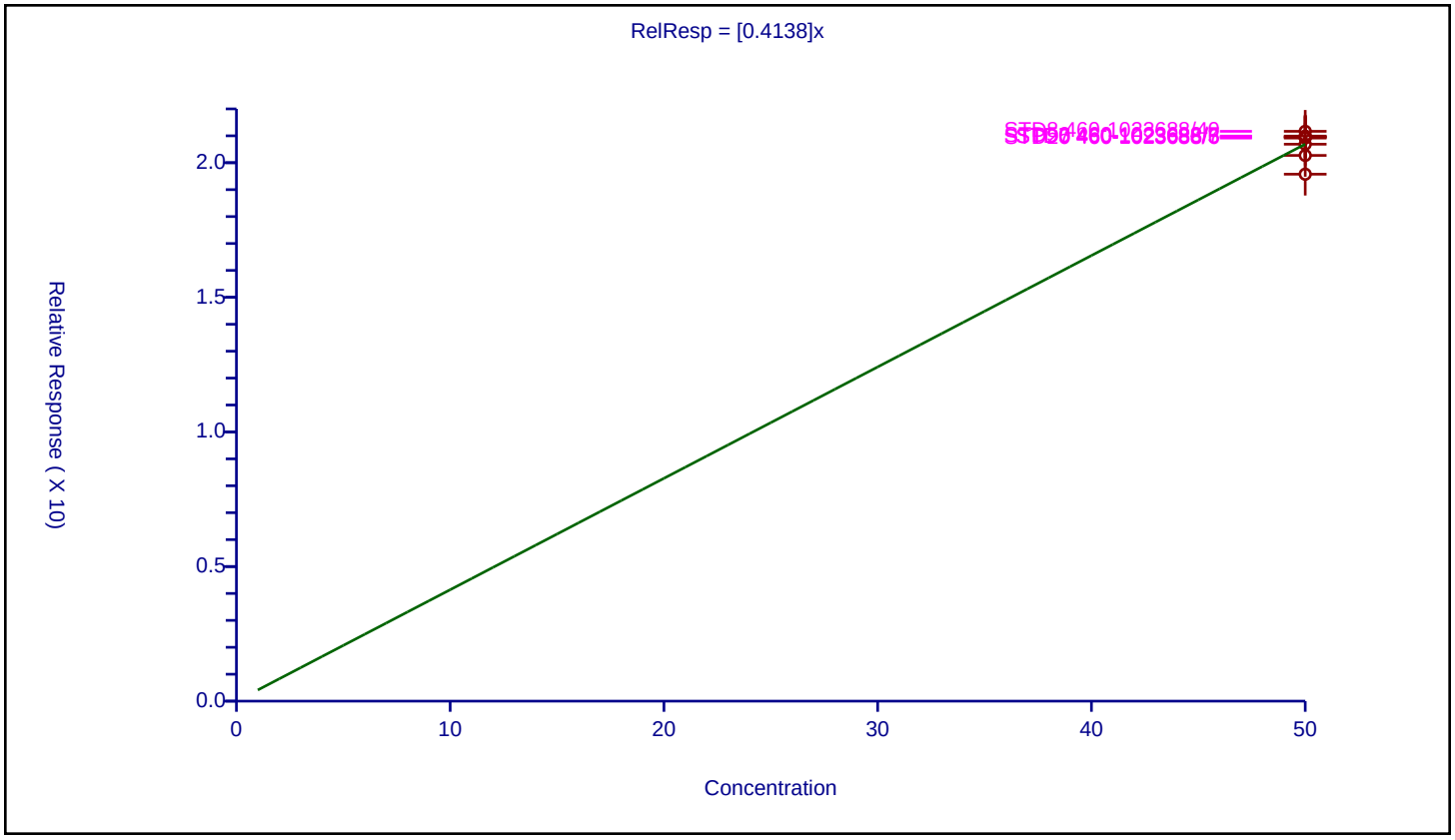
Curve Coefficients

Intercept:	0
Slope:	0.4138

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	50.0	20.961827	50.0	378748.0	0.419237	Y
2	STD1 460-1023688/4	50.0	20.688534	50.0	381419.0	0.413771	Y
3	STD5 460-1023688/5	50.0	20.953523	50.0	386231.0	0.41907	Y
4	STD20 460-1023688/6	50.0	20.917011	50.0	390737.0	0.41834	Y
5	STD50 460-1023688/7	50.0	20.989965	50.0	401580.0	0.419799	Y
6	STD200 460-1023688/8	50.0	20.271673	50.0	430554.0	0.405433	Y
7	STD500 460-1023688/9	50.0	19.574278	50.0	481793.0	0.391486	Y
8	STD8 460-1023688/40	50.0	21.166482	50.0	387790.0	0.42333	Y



Calibration / Bromobenzene

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

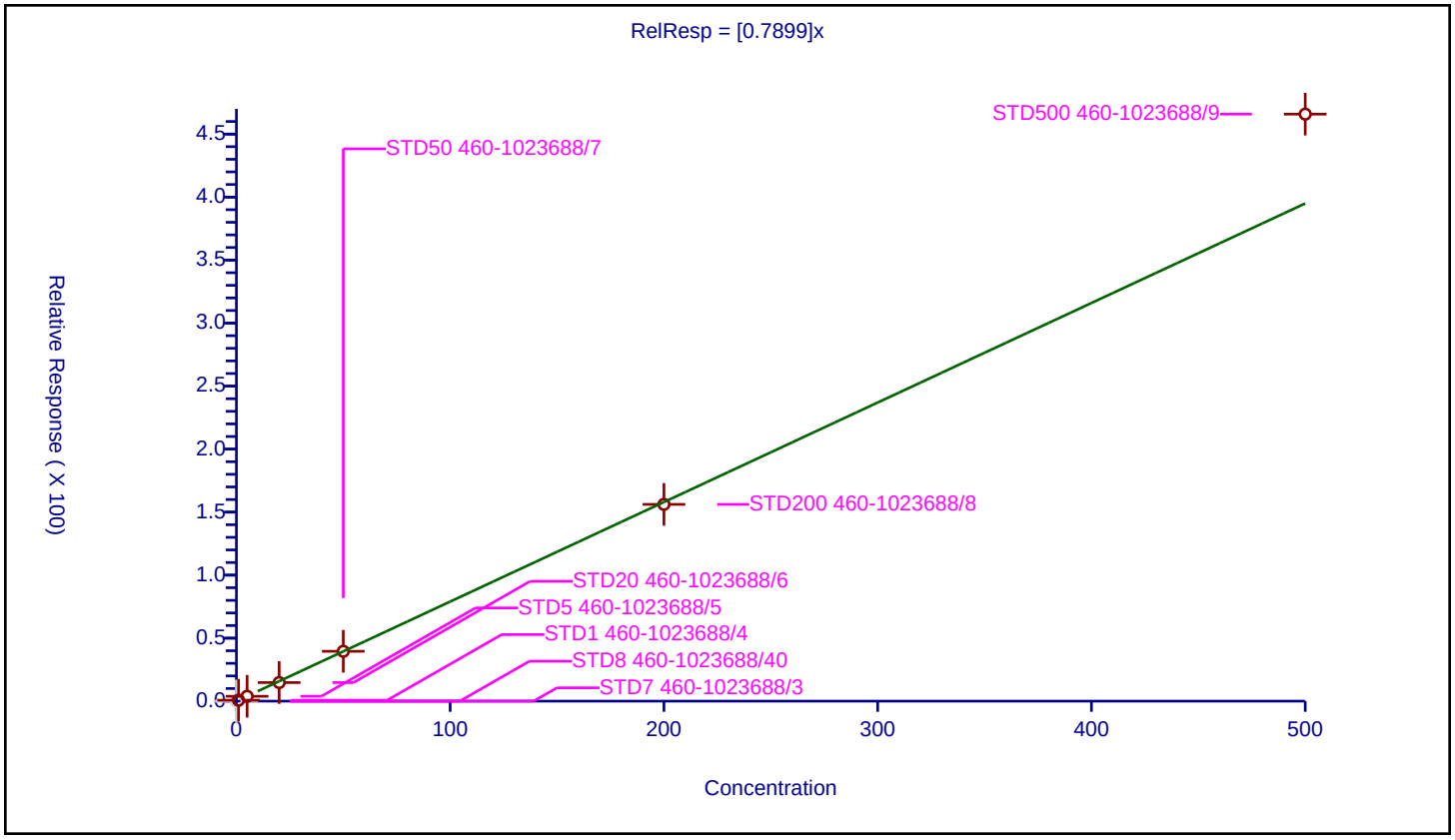
Curve Coefficients

Intercept:	0
Slope:	0.7899

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.725984	50.0	205101.0	0.725984	Y
4	STD5 460-1023688/5	5.0	3.86497	50.0	210338.0	0.772994	Y
5	STD20 460-1023688/6	20.0	14.738772	50.0	216592.0	0.736939	Y
6	STD50 460-1023688/7	50.0	39.547461	50.0	224290.0	0.790949	Y
7	STD200 460-1023688/8	200.0	156.154251	50.0	245367.0	0.780771	Y
8	STD500 460-1023688/9	500.0	465.835333	50.0	255814.0	0.931671	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

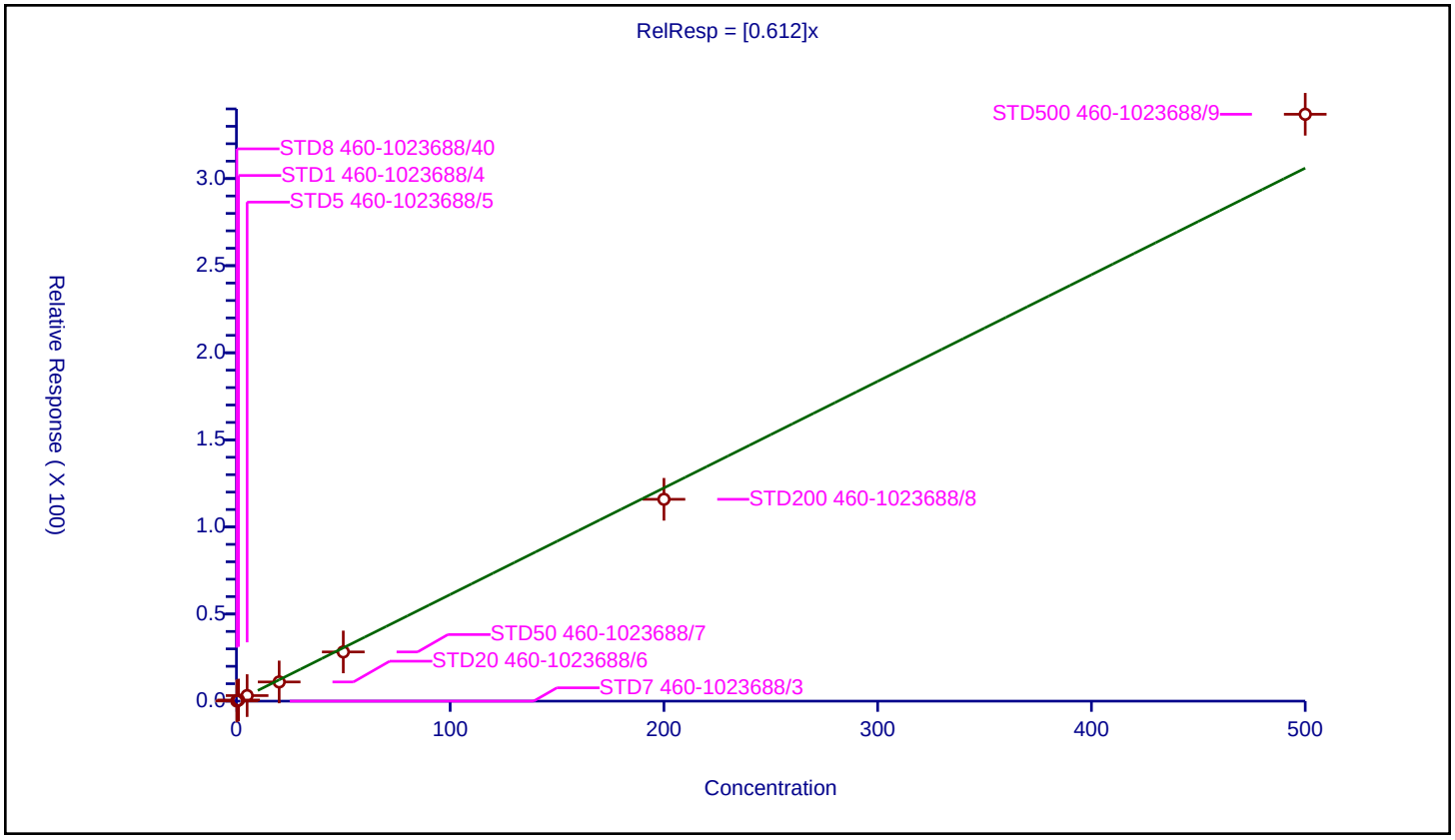
Curve Coefficients

Intercept:	0
Slope:	0.612

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.128359	50.0	209569.0	0.641793	Y
3	STD1 460-1023688/4	1.0	0.634322	50.0	205101.0	0.634322	Y
4	STD5 460-1023688/5	5.0	3.191768	50.0	210338.0	0.638354	Y
5	STD20 460-1023688/6	20.0	11.021875	50.0	216592.0	0.551094	Y
6	STD50 460-1023688/7	50.0	28.255161	50.0	224290.0	0.565103	Y
7	STD200 460-1023688/8	200.0	115.88009	50.0	245367.0	0.5794	Y
8	STD500 460-1023688/9	500.0	336.918621	50.0	255814.0	0.673837	Y



Calibration / N-Propylbenzene

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

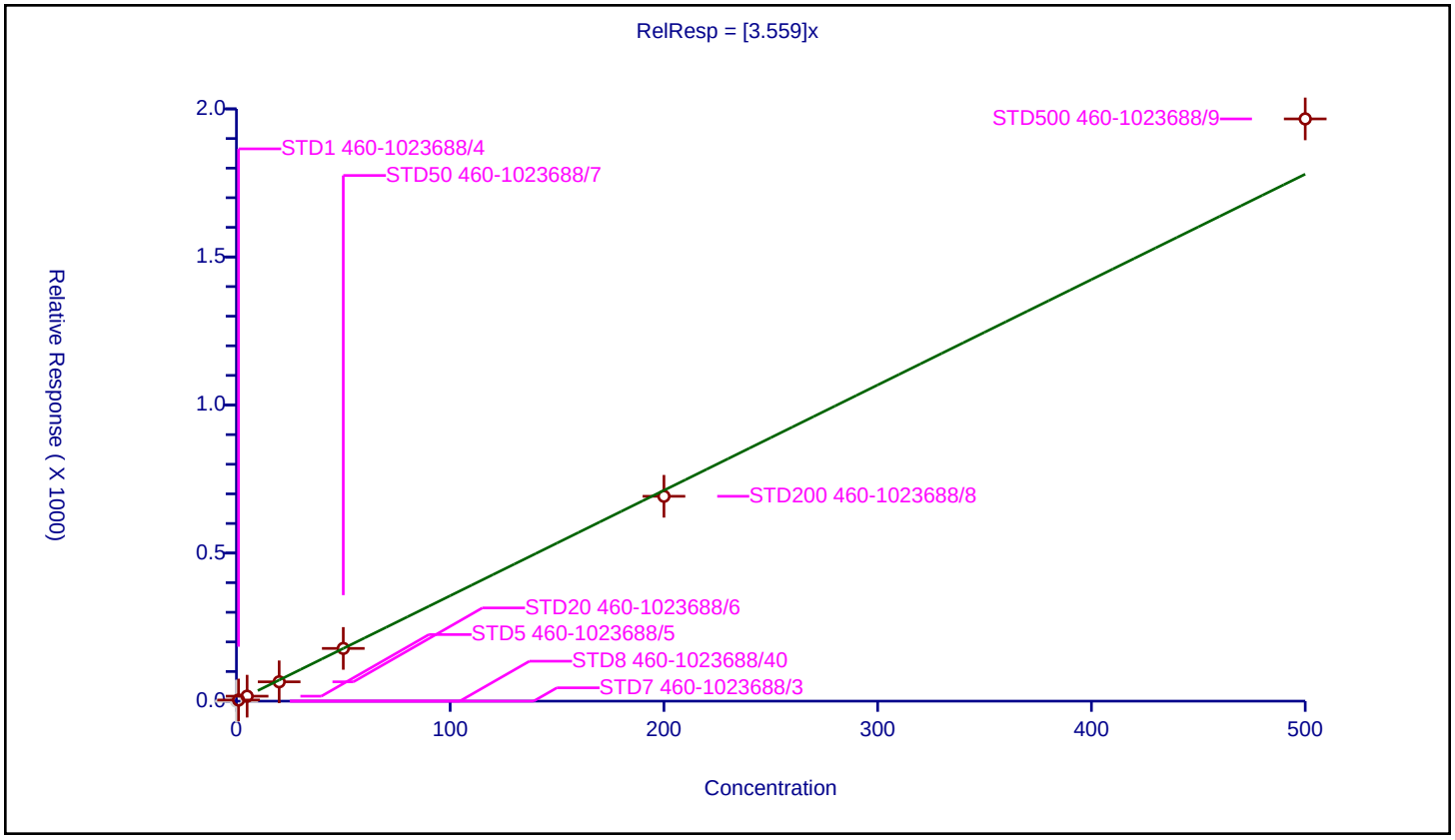
Curve Coefficients

Intercept:	0
Slope:	3.559

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	3.793984	50.0	205101.0	3.793984	Y
4	STD5 460-1023688/5	5.0	16.733068	50.0	210338.0	3.346614	Y
5	STD20 460-1023688/6	20.0	65.247101	50.0	216592.0	3.262355	Y
6	STD50 460-1023688/7	50.0	178.010611	50.0	224290.0	3.560212	Y
7	STD200 460-1023688/8	200.0	691.797593	50.0	245367.0	3.458988	Y
8	STD500 460-1023688/9	500.0	1966.20572	50.0	255814.0	3.932411	Y



Calibration / 1,2,3-Trichloropropane

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

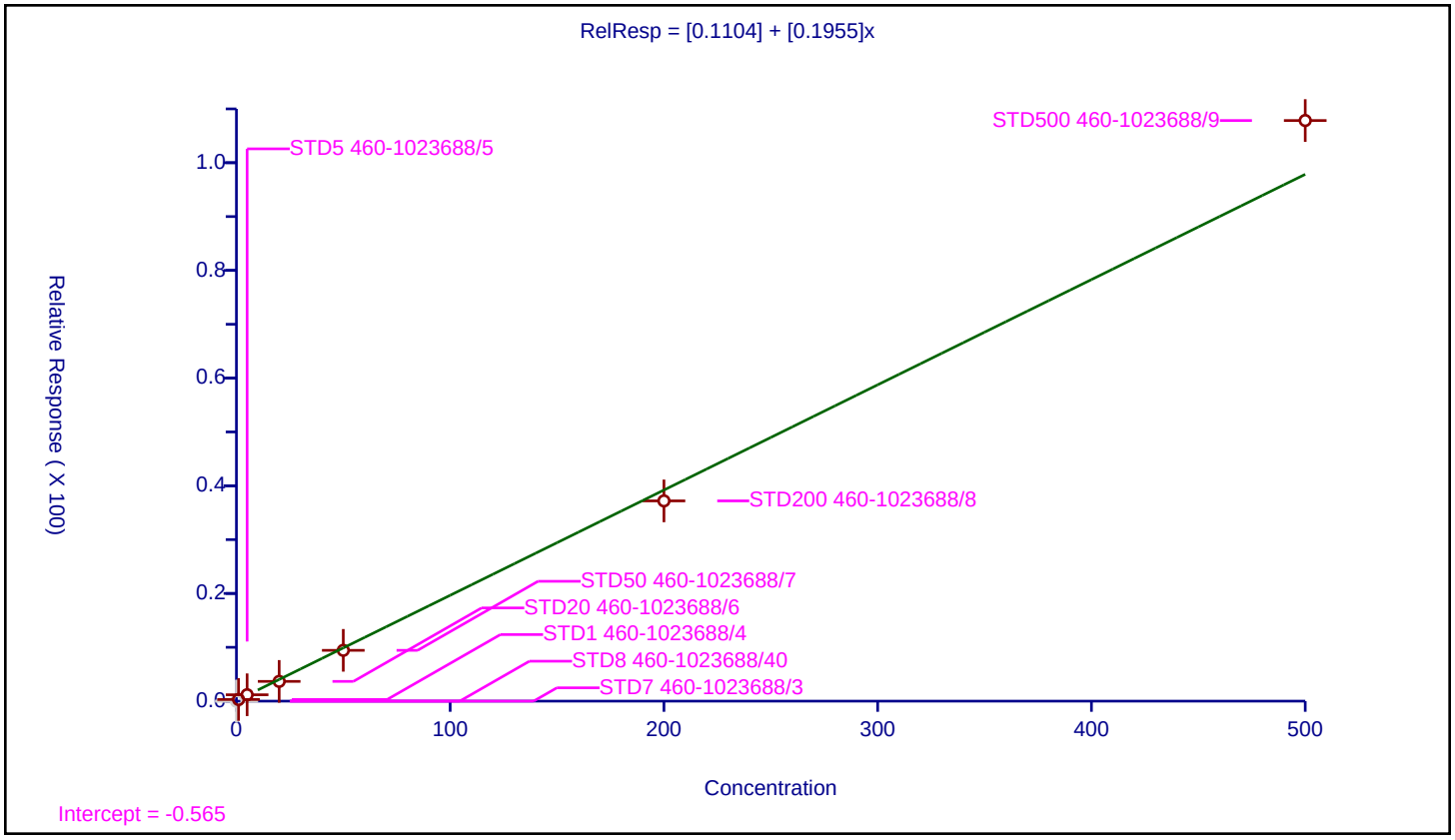
Curve Coefficients

Intercept:	0.1104
Slope:	0.1955

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.303021	50.0	205101.0	0.303021	Y
4	STD5 460-1023688/5	5.0	1.185235	50.0	210338.0	0.237047	Y
5	STD20 460-1023688/6	20.0	3.666802	50.0	216592.0	0.18334	Y
6	STD50 460-1023688/7	50.0	9.435329	50.0	224290.0	0.188707	Y
7	STD200 460-1023688/8	200.0	37.194692	50.0	245367.0	0.185973	Y
8	STD500 460-1023688/9	500.0	107.837139	50.0	255814.0	0.215674	Y



Calibration / trans-1,4-Dichloro-2-butene

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

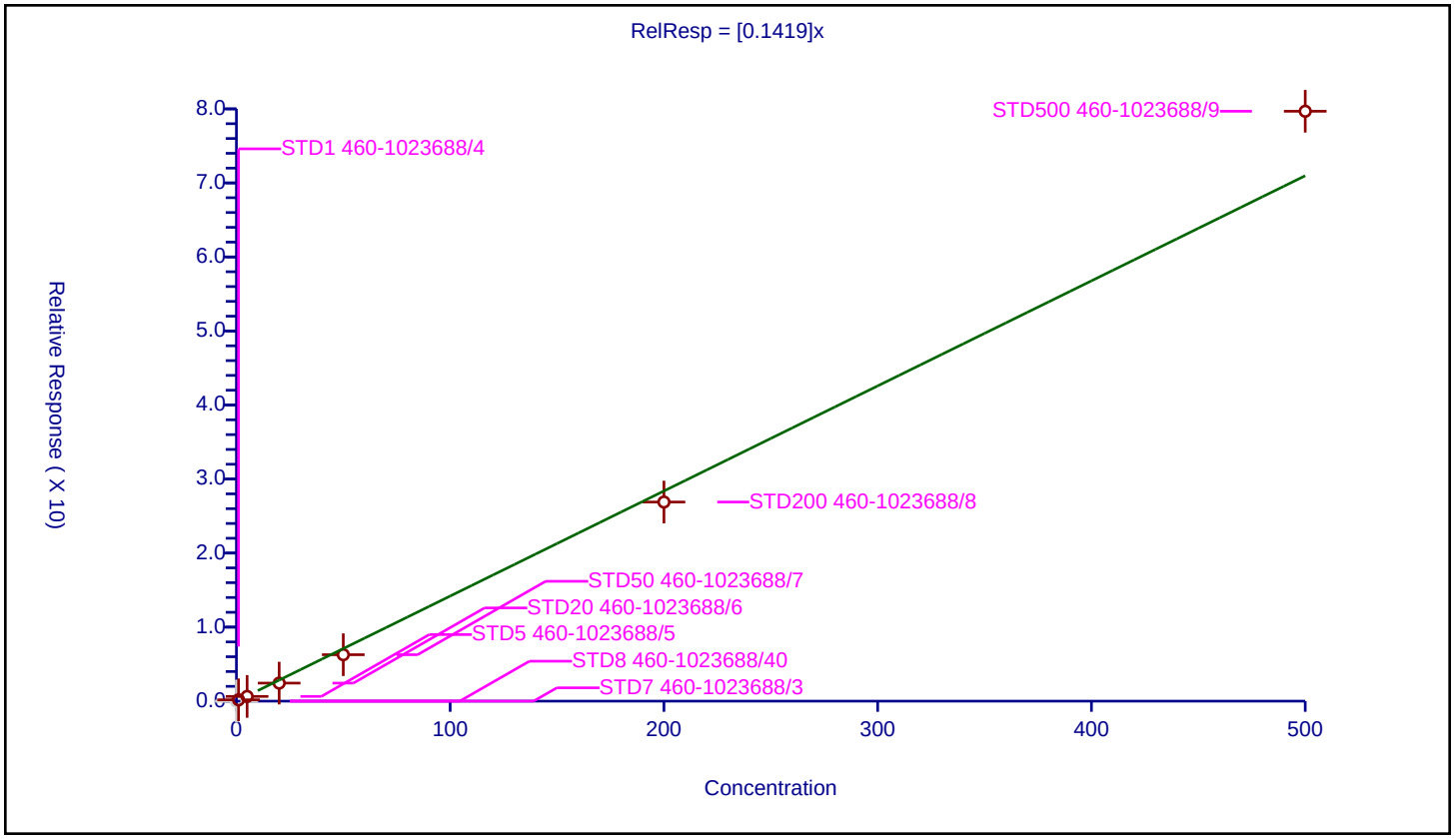
Curve Coefficients

Intercept:	0
Slope:	0.1419

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.182593	50.0	205101.0	0.182593	Y
4	STD5 460-1023688/5	5.0	0.638972	50.0	210338.0	0.127794	Y
5	STD20 460-1023688/6	20.0	2.438225	50.0	216592.0	0.121911	Y
6	STD50 460-1023688/7	50.0	6.27402	50.0	224290.0	0.12548	Y
7	STD200 460-1023688/8	200.0	26.895426	50.0	245367.0	0.134477	Y
8	STD500 460-1023688/9	500.0	79.681331	50.0	255814.0	0.159363	Y



Calibration / 2-Chlorotoluene

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

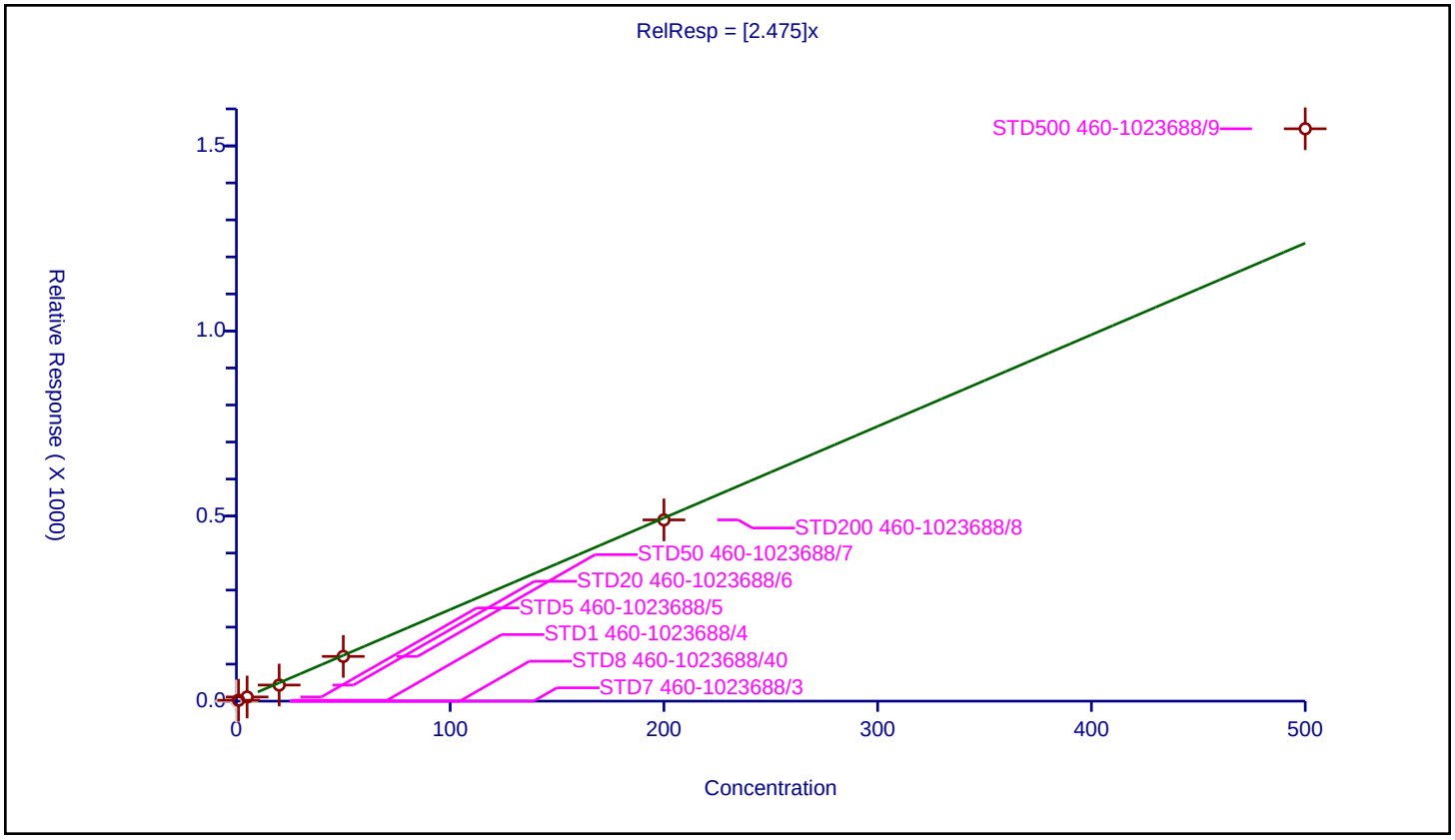
Curve Coefficients

Intercept:	0
Slope:	2.475

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.460983	50.0	205101.0	2.460983	Y
4	STD5 460-1023688/5	5.0	11.269005	50.0	210338.0	2.253801	Y
5	STD20 460-1023688/6	20.0	43.482908	50.0	216592.0	2.174145	Y
6	STD50 460-1023688/7	50.0	120.878327	50.0	224290.0	2.417567	Y
7	STD200 460-1023688/8	200.0	489.624929	50.0	245367.0	2.448125	Y
8	STD500 460-1023688/9	500.0	1546.248642	50.0	255814.0	3.092497	Y



Calibration / 4-Ethyltoluene

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

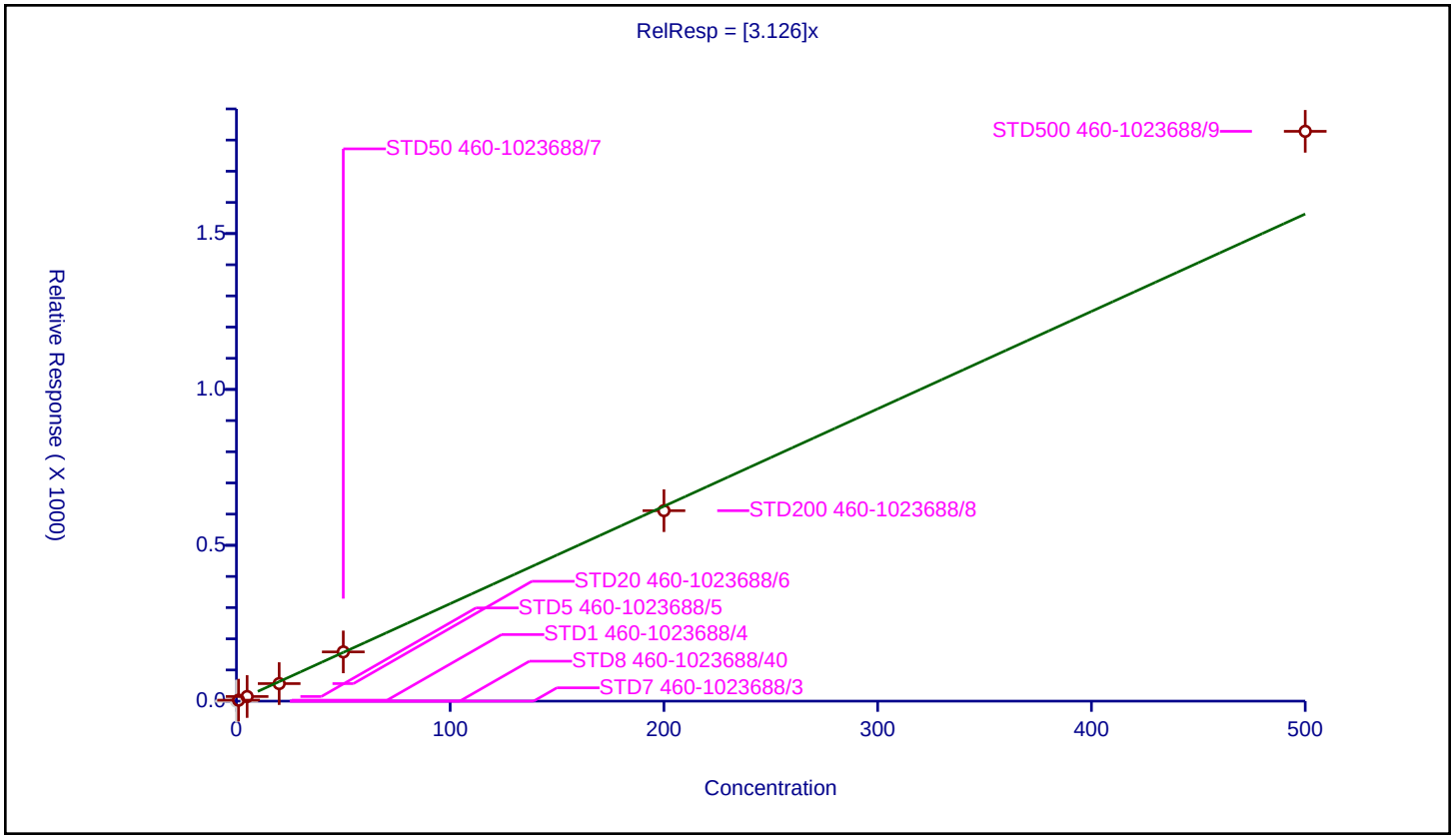
Curve Coefficients

Intercept:	0
Slope:	3.126

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	3.110419	50.0	205101.0	3.110419	Y
4	STD5 460-1023688/5	5.0	14.805218	50.0	210338.0	2.961044	Y
5	STD20 460-1023688/6	20.0	56.249538	50.0	216592.0	2.812477	Y
6	STD50 460-1023688/7	50.0	157.930135	50.0	224290.0	3.158603	Y
7	STD200 460-1023688/8	200.0	611.03714	50.0	245367.0	3.055186	Y
8	STD500 460-1023688/9	500.0	1828.075672	50.0	255814.0	3.656151	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

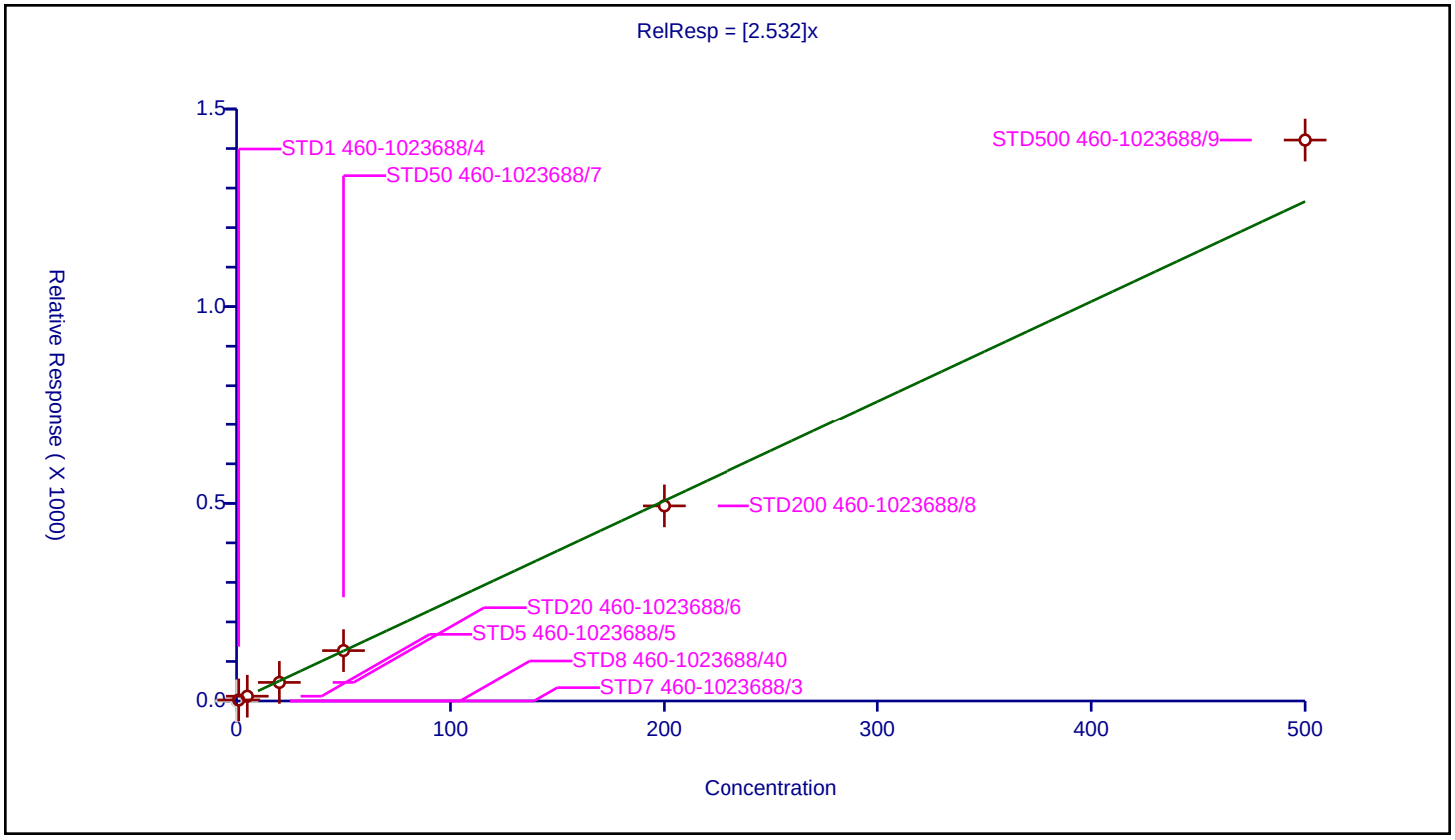
Curve Coefficients

Intercept:	0
Slope:	2.532

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.566784	50.0	205101.0	2.566784	Y
4	STD5 460-1023688/5	5.0	12.088638	50.0	210338.0	2.417728	Y
5	STD20 460-1023688/6	20.0	46.960414	50.0	216592.0	2.348021	Y
6	STD50 460-1023688/7	50.0	127.475144	50.0	224290.0	2.549503	Y
7	STD200 460-1023688/8	200.0	493.57921	50.0	245367.0	2.467896	Y
8	STD500 460-1023688/9	500.0	1421.499996	50.0	255814.0	2.843	Y



Calibration / 4-Chlorotoluene

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

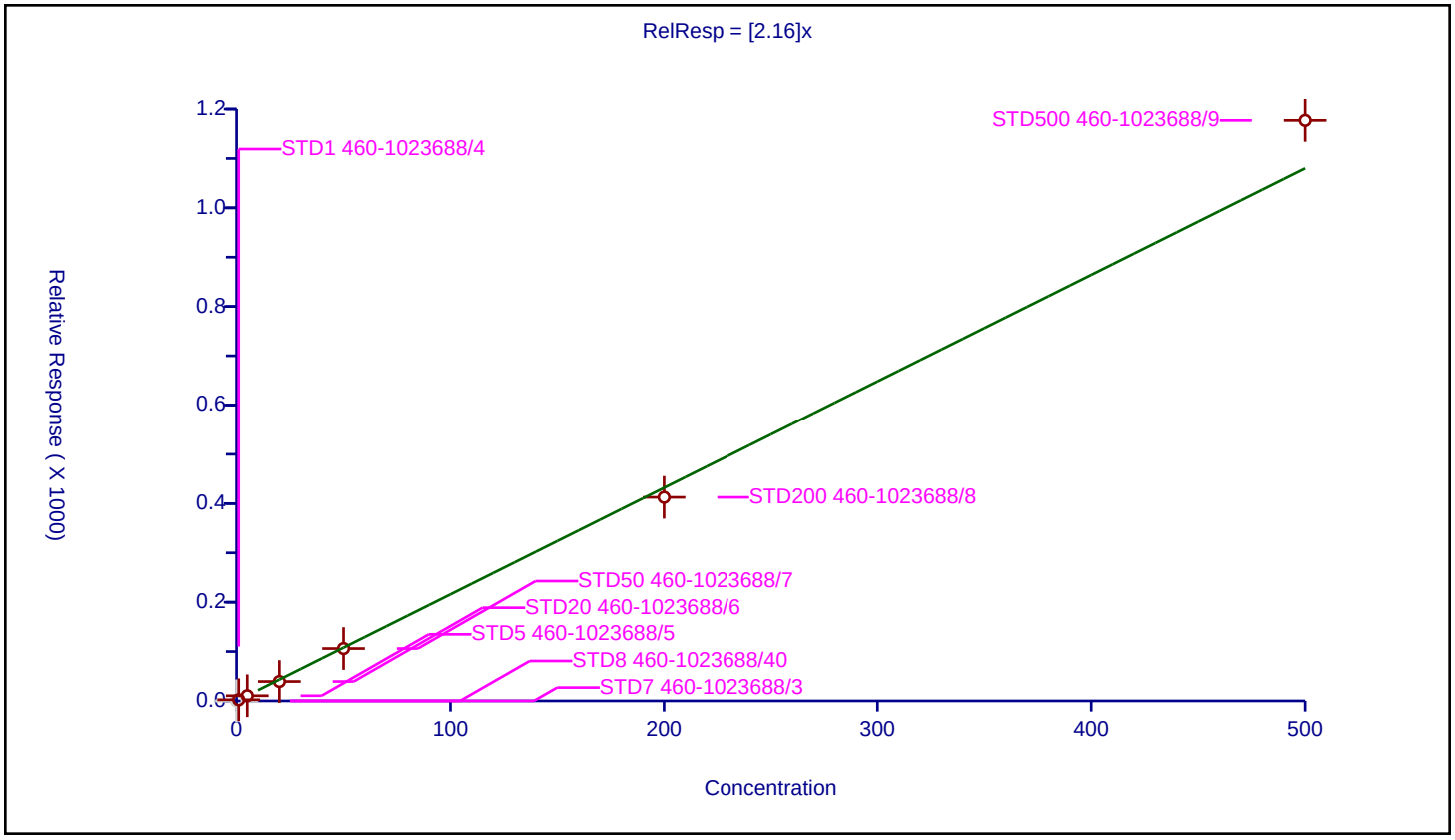
Curve Coefficients

Intercept:	0
Slope:	2.16

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.354206	50.0	205101.0	2.354206	Y
4	STD5 460-1023688/5	5.0	10.509513	50.0	210338.0	2.101903	Y
5	STD20 460-1023688/6	20.0	39.291156	50.0	216592.0	1.964558	Y
6	STD50 460-1023688/7	50.0	106.127781	50.0	224290.0	2.122556	Y
7	STD200 460-1023688/8	200.0	412.724816	50.0	245367.0	2.063624	Y
8	STD500 460-1023688/9	500.0	1177.098986	50.0	255814.0	2.354198	Y



Calibration / Butyl Methacrylate

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

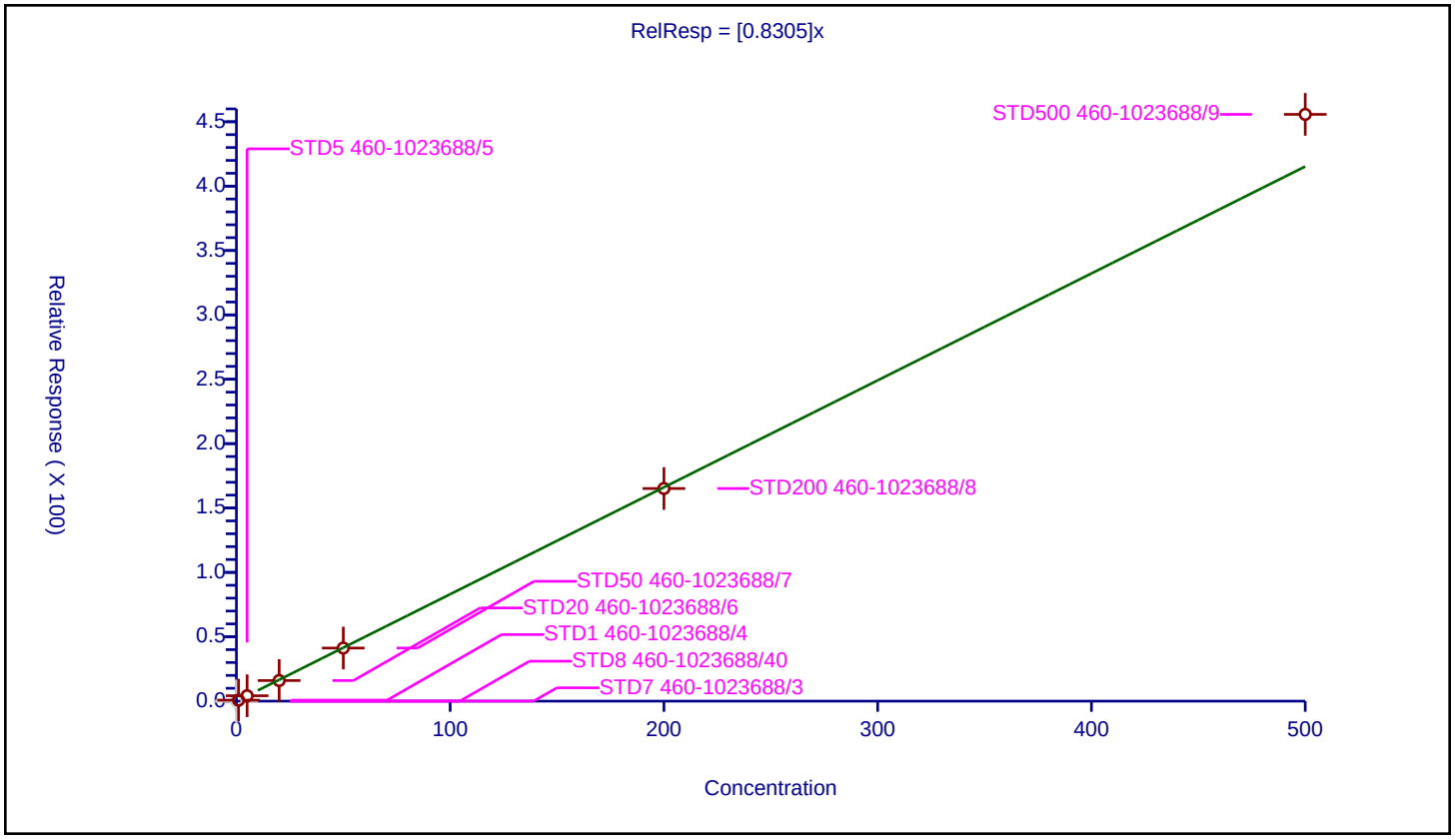
Curve Coefficients

Intercept:	0
Slope:	0.8305

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.78376	50.0	205101.0	0.78376	Y
4	STD5 460-1023688/5	5.0	4.183505	50.0	210338.0	0.836701	Y
5	STD20 460-1023688/6	20.0	16.009825	50.0	216592.0	0.800491	Y
6	STD50 460-1023688/7	50.0	41.243034	50.0	224290.0	0.824861	Y
7	STD200 460-1023688/8	200.0	165.142623	50.0	245367.0	0.825713	Y
8	STD500 460-1023688/9	500.0	455.732485	50.0	255814.0	0.911465	Y



Calibration / tert-Butylbenzene

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

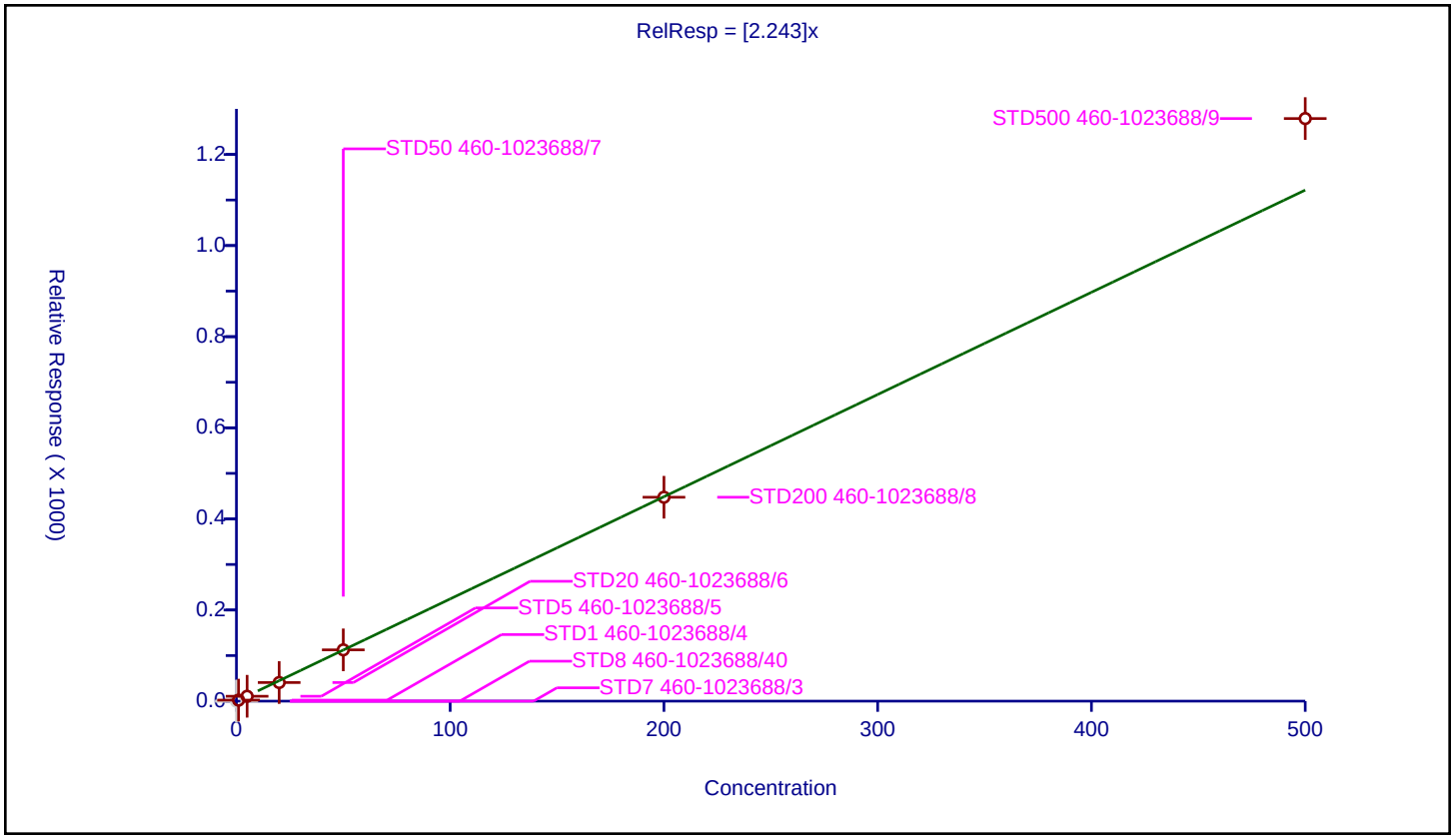
Curve Coefficients

Intercept:	0
Slope:	2.243

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.23134	50.0	205101.0	2.23134	Y
4	STD5 460-1023688/5	5.0	10.700634	50.0	210338.0	2.140127	Y
5	STD20 460-1023688/6	20.0	40.859312	50.0	216592.0	2.042966	Y
6	STD50 460-1023688/7	50.0	112.555397	50.0	224290.0	2.251108	Y
7	STD200 460-1023688/8	200.0	447.586269	50.0	245367.0	2.237931	Y
8	STD500 460-1023688/9	500.0	1278.751358	50.0	255814.0	2.557503	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

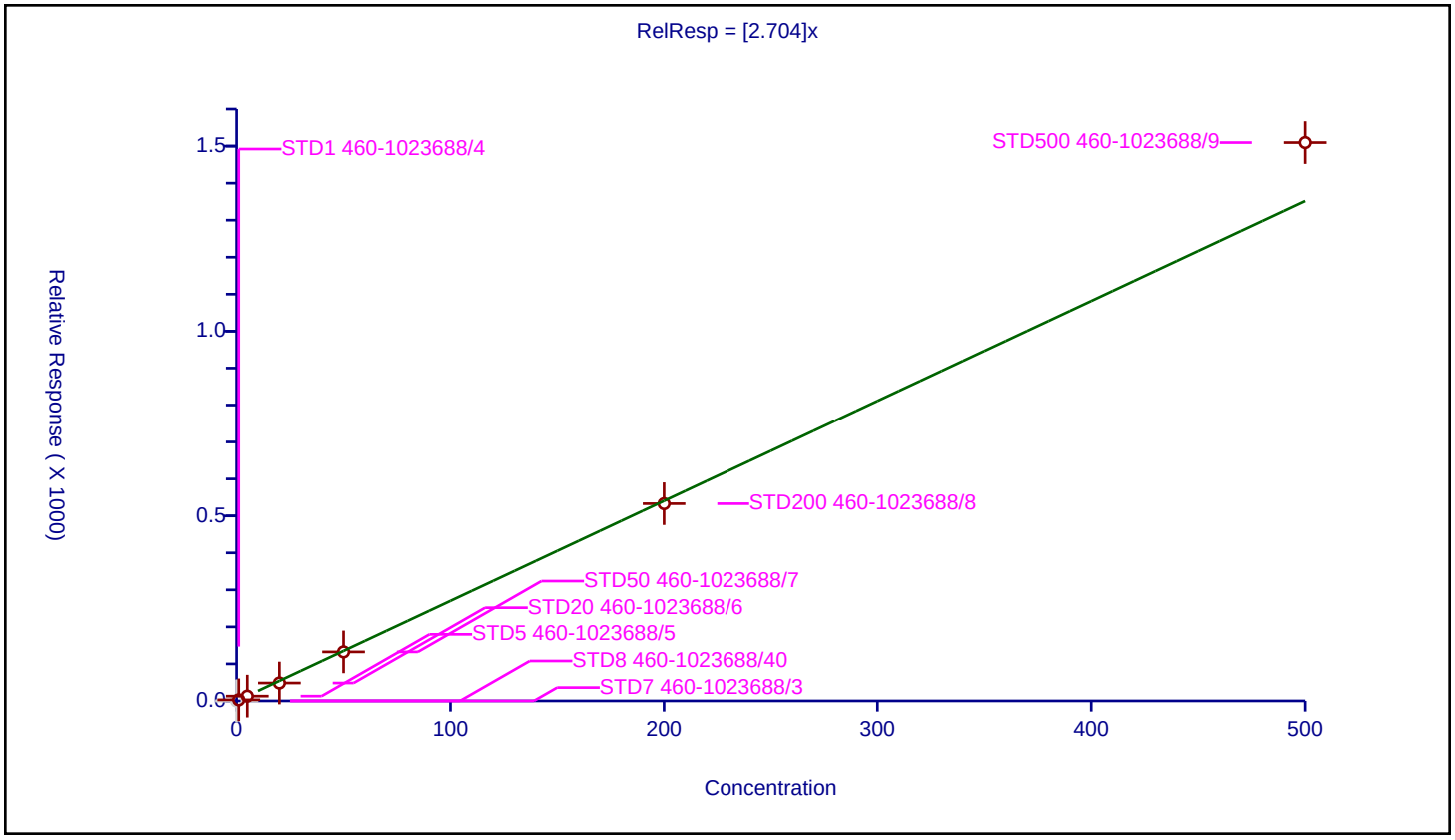
Curve Coefficients

Intercept:	0
Slope:	2.704

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.879801	50.0	205101.0	2.879801	Y
4	STD5 460-1023688/5	5.0	12.948445	50.0	210338.0	2.589689	Y
5	STD20 460-1023688/6	20.0	48.373209	50.0	216592.0	2.41866	Y
6	STD50 460-1023688/7	50.0	132.443488	50.0	224290.0	2.64887	Y
7	STD200 460-1023688/8	200.0	533.157067	50.0	245367.0	2.665785	Y
8	STD500 460-1023688/9	500.0	1509.562612	50.0	255814.0	3.019125	Y



Calibration / sec-Butylbenzene

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

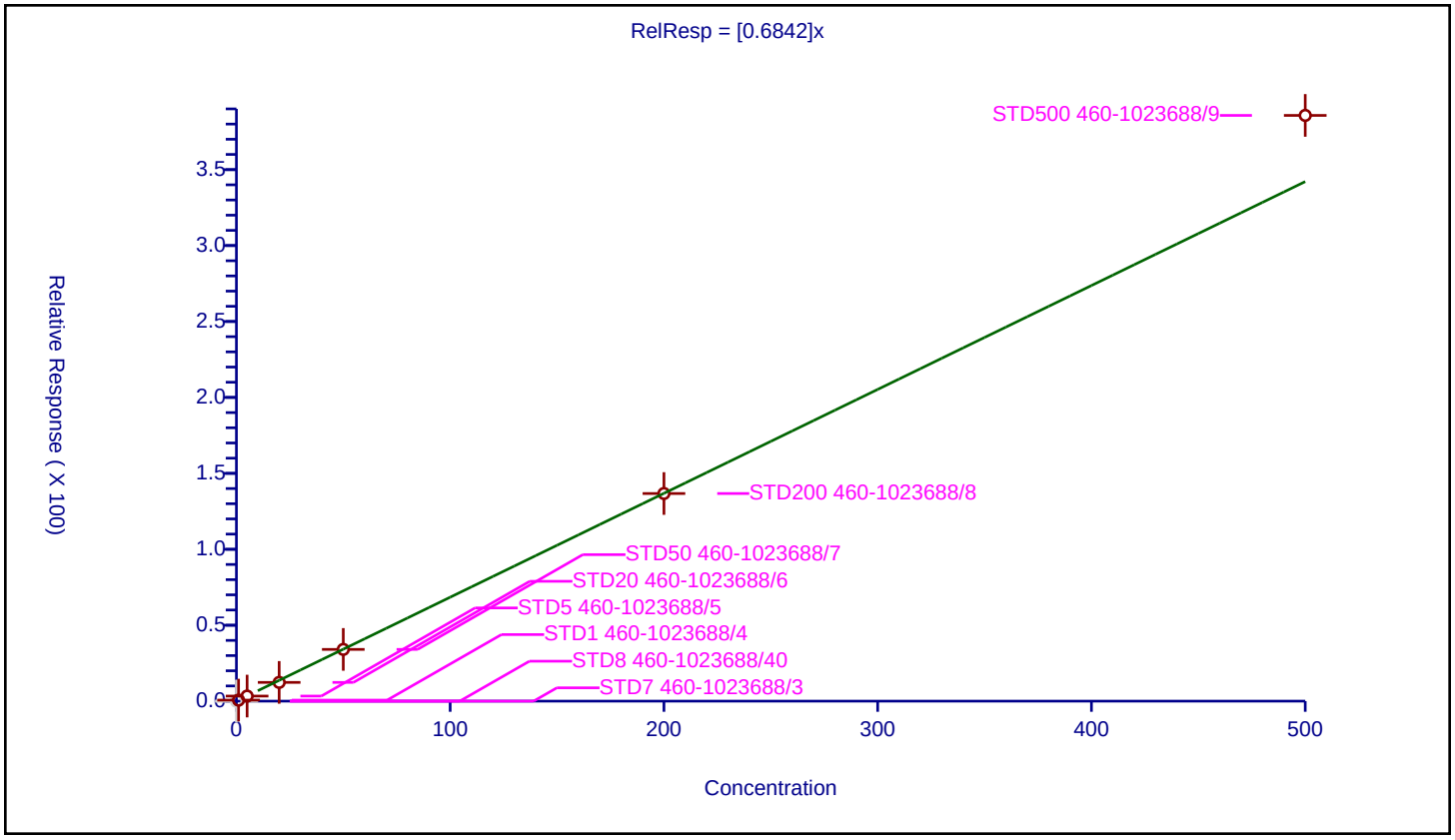
Curve Coefficients

Intercept:	0
Slope:	0.6842

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.682103	50.0	205101.0	0.682103	Y
4	STD5 460-1023688/5	5.0	3.348658	50.0	210338.0	0.669732	Y
5	STD20 460-1023688/6	20.0	12.3451	50.0	216592.0	0.617255	Y
6	STD50 460-1023688/7	50.0	34.061483	50.0	224290.0	0.68123	Y
7	STD200 460-1023688/8	200.0	136.727229	50.0	245367.0	0.683636	Y
8	STD500 460-1023688/9	500.0	385.694294	50.0	255814.0	0.771389	Y



Calibration / 4-Isopropyltoluene

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

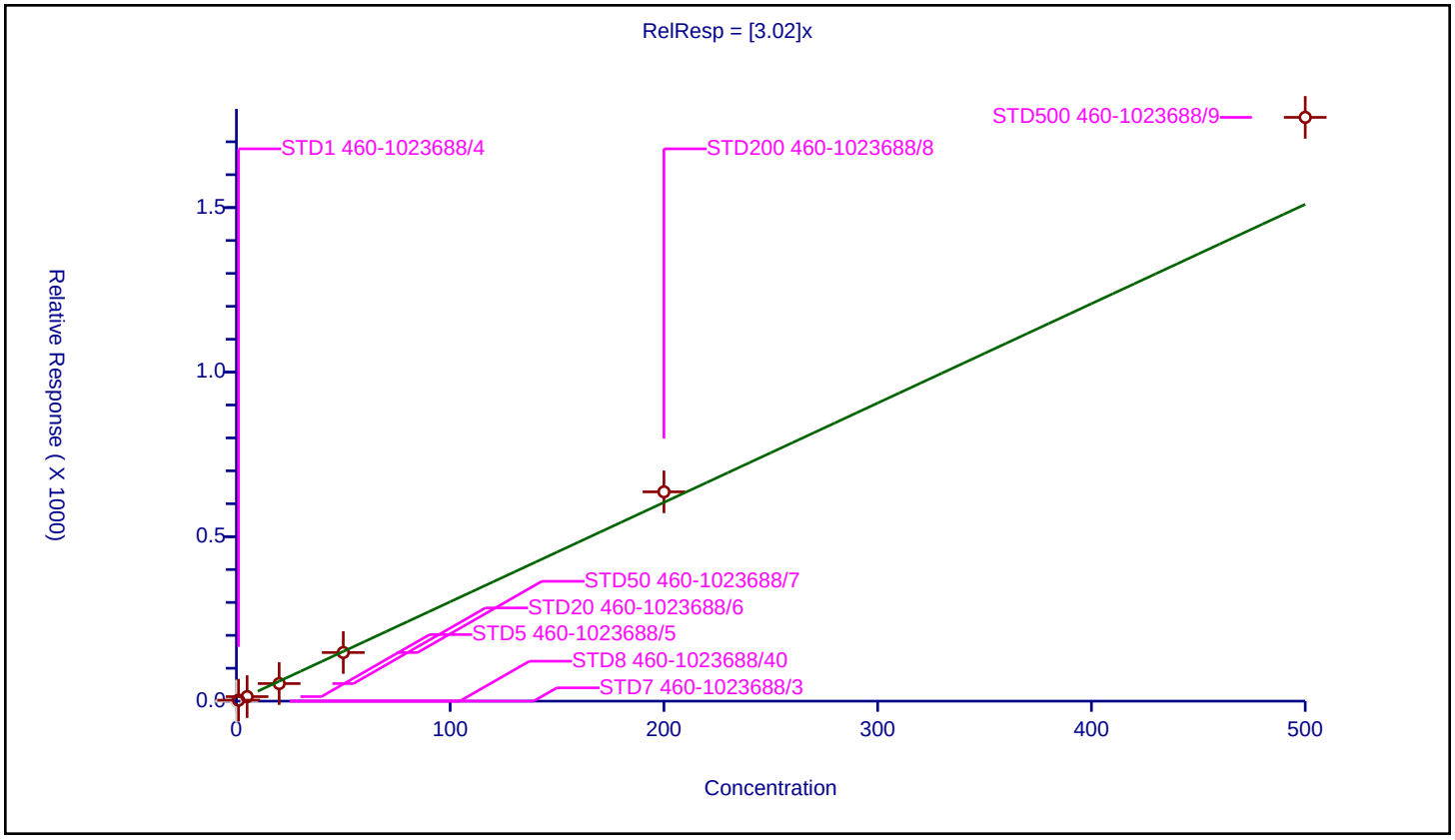
Curve Coefficients

Intercept:	0
Slope:	3.02

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	3.027045	50.0	205101.0	3.027045	Y
4	STD5 460-1023688/5	5.0	13.705084	50.0	210338.0	2.741017	Y
5	STD20 460-1023688/6	20.0	53.347077	50.0	216592.0	2.667354	Y
6	STD50 460-1023688/7	50.0	147.737304	50.0	224290.0	2.954746	Y
7	STD200 460-1023688/8	200.0	636.158693	50.0	245367.0	3.180793	Y
8	STD500 460-1023688/9	500.0	1774.2948	50.0	255814.0	3.54859	Y



Calibration / 1,3-Dichlorobenzene

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

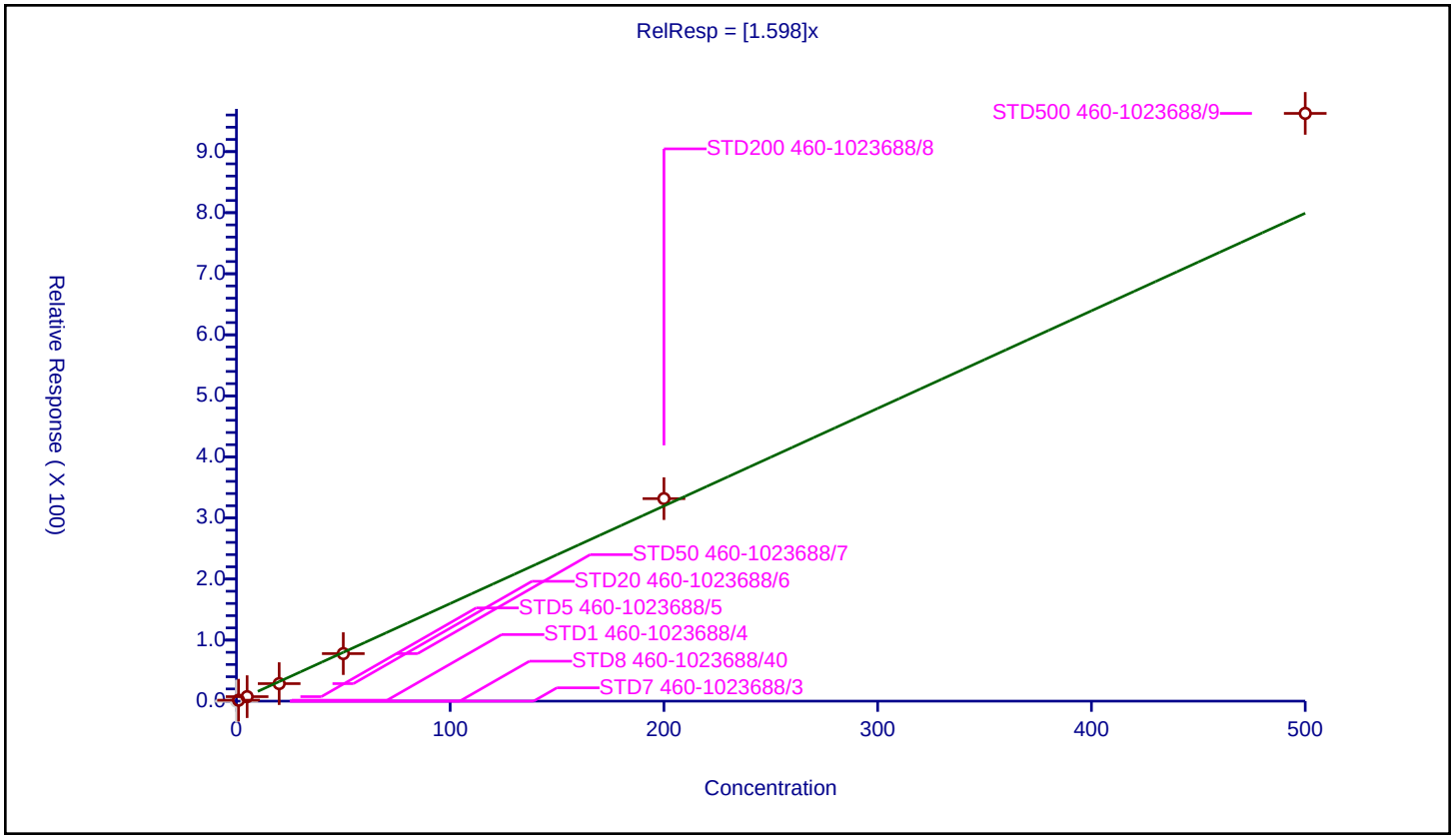
Curve Coefficients

Intercept:	0
Slope:	1.598

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.54363	50.0	205101.0	1.54363	Y
4	STD5 460-1023688/5	5.0	7.352927	50.0	210338.0	1.470585	Y
5	STD20 460-1023688/6	20.0	28.682269	50.0	216592.0	1.434113	Y
6	STD50 460-1023688/7	50.0	77.863034	50.0	224290.0	1.557261	Y
7	STD200 460-1023688/8	200.0	331.700677	50.0	245367.0	1.658503	Y
8	STD500 460-1023688/9	500.0	962.622061	50.0	255814.0	1.925244	Y



Calibration / 1,4-Dichlorobenzene

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

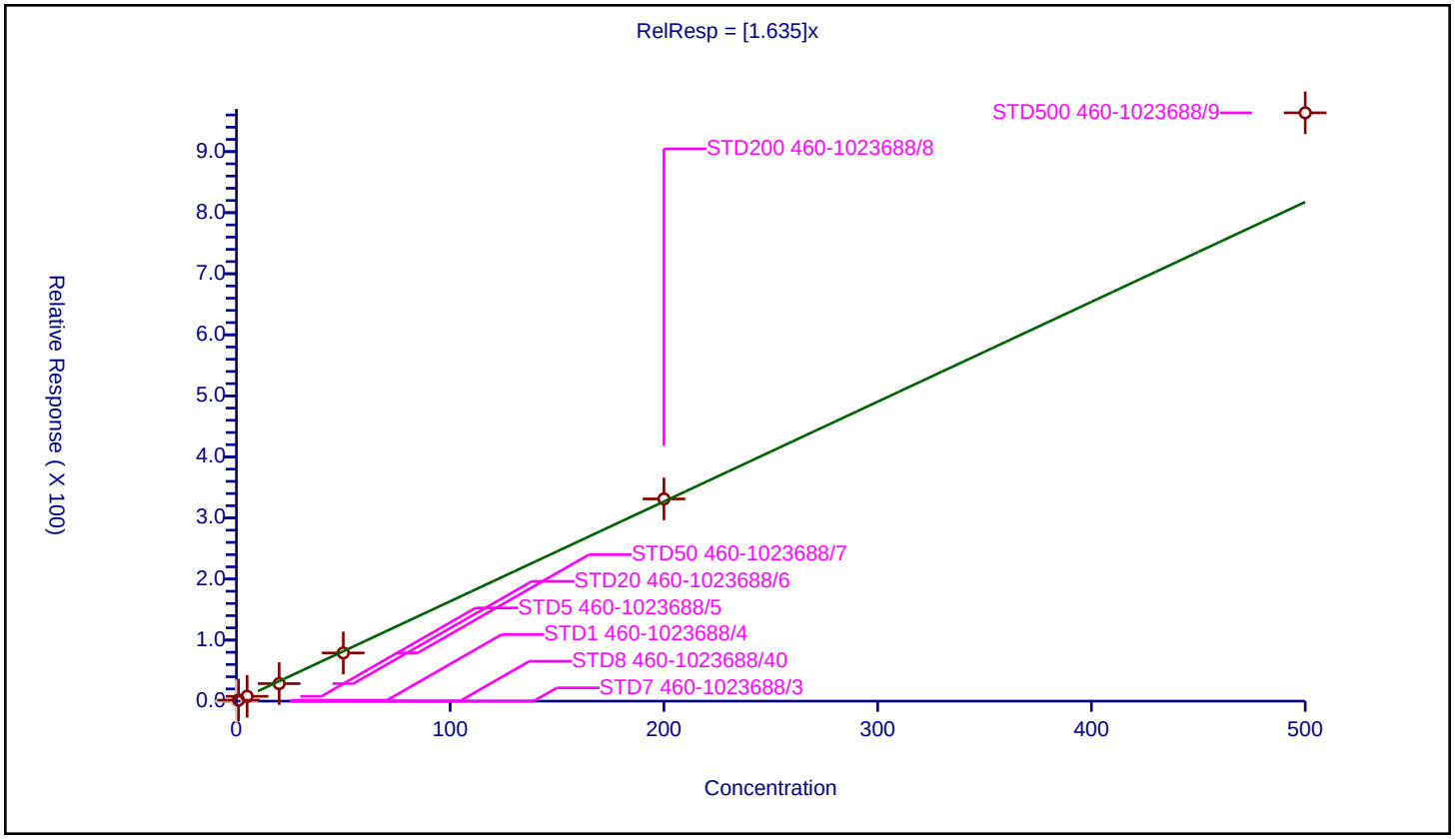
Curve Coefficients

Intercept:	0
Slope:	1.635

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.629197	50.0	205101.0	1.629197	Y
4	STD5 460-1023688/5	5.0	7.906322	50.0	210338.0	1.581264	Y
5	STD20 460-1023688/6	20.0	28.73975	50.0	216592.0	1.436988	Y
6	STD50 460-1023688/7	50.0	78.952472	50.0	224290.0	1.579049	Y
7	STD200 460-1023688/8	200.0	331.178398	50.0	245367.0	1.655892	Y
8	STD500 460-1023688/9	500.0	963.522325	50.0	255814.0	1.927045	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

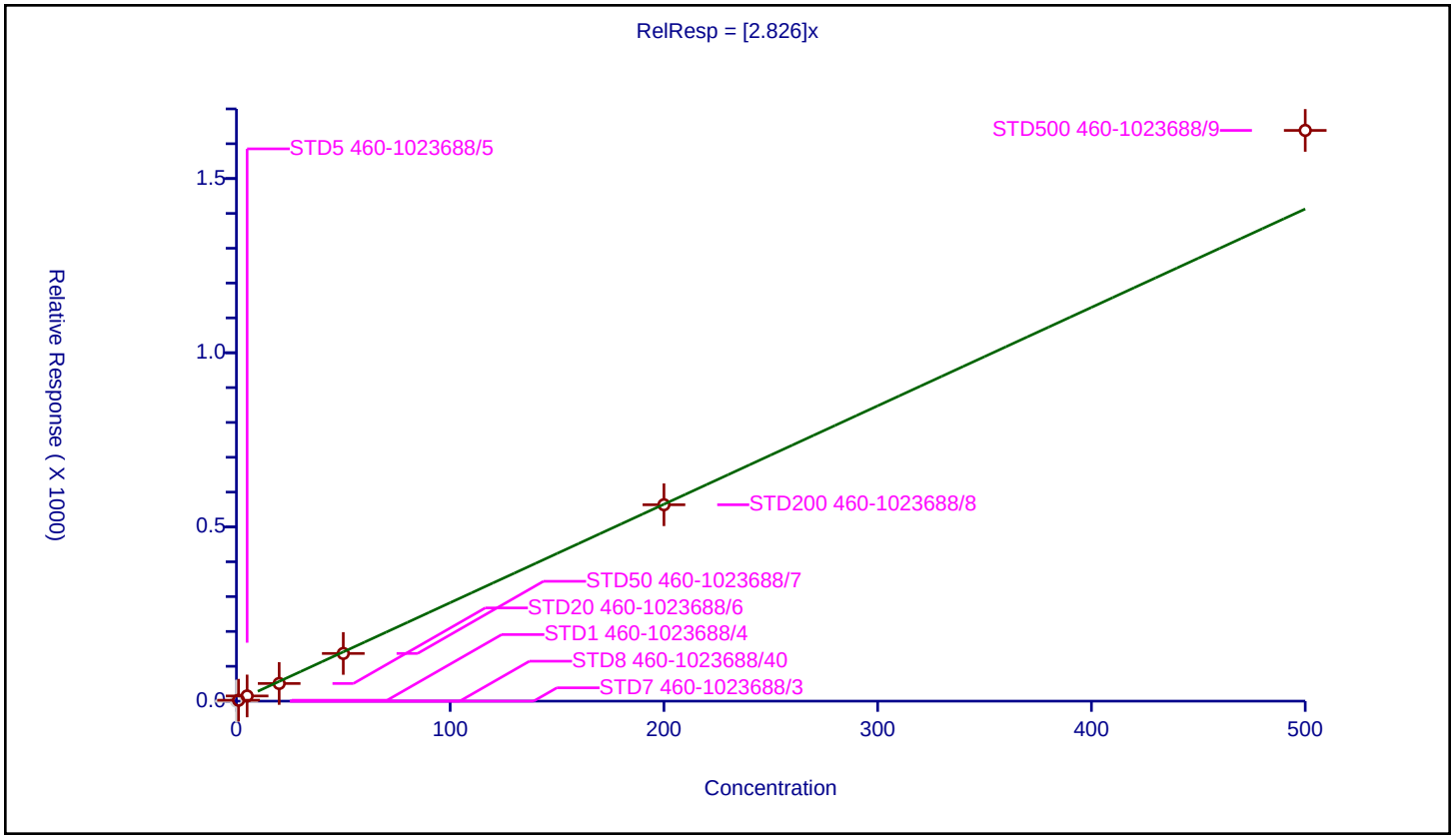
Curve Coefficients

Intercept:	0
Slope:	2.826

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.610421	50.0	205101.0	2.610421	Y
4	STD5 460-1023688/5	5.0	14.88509	50.0	210338.0	2.977018	Y
5	STD20 460-1023688/6	20.0	50.671308	50.0	216592.0	2.533565	Y
6	STD50 460-1023688/7	50.0	136.876365	50.0	224290.0	2.737527	Y
7	STD200 460-1023688/8	200.0	563.746347	50.0	245367.0	2.818732	Y
8	STD500 460-1023688/9	500.0	1638.234616	50.0	255814.0	3.276469	Y



Calibration / Benzyl chloride

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

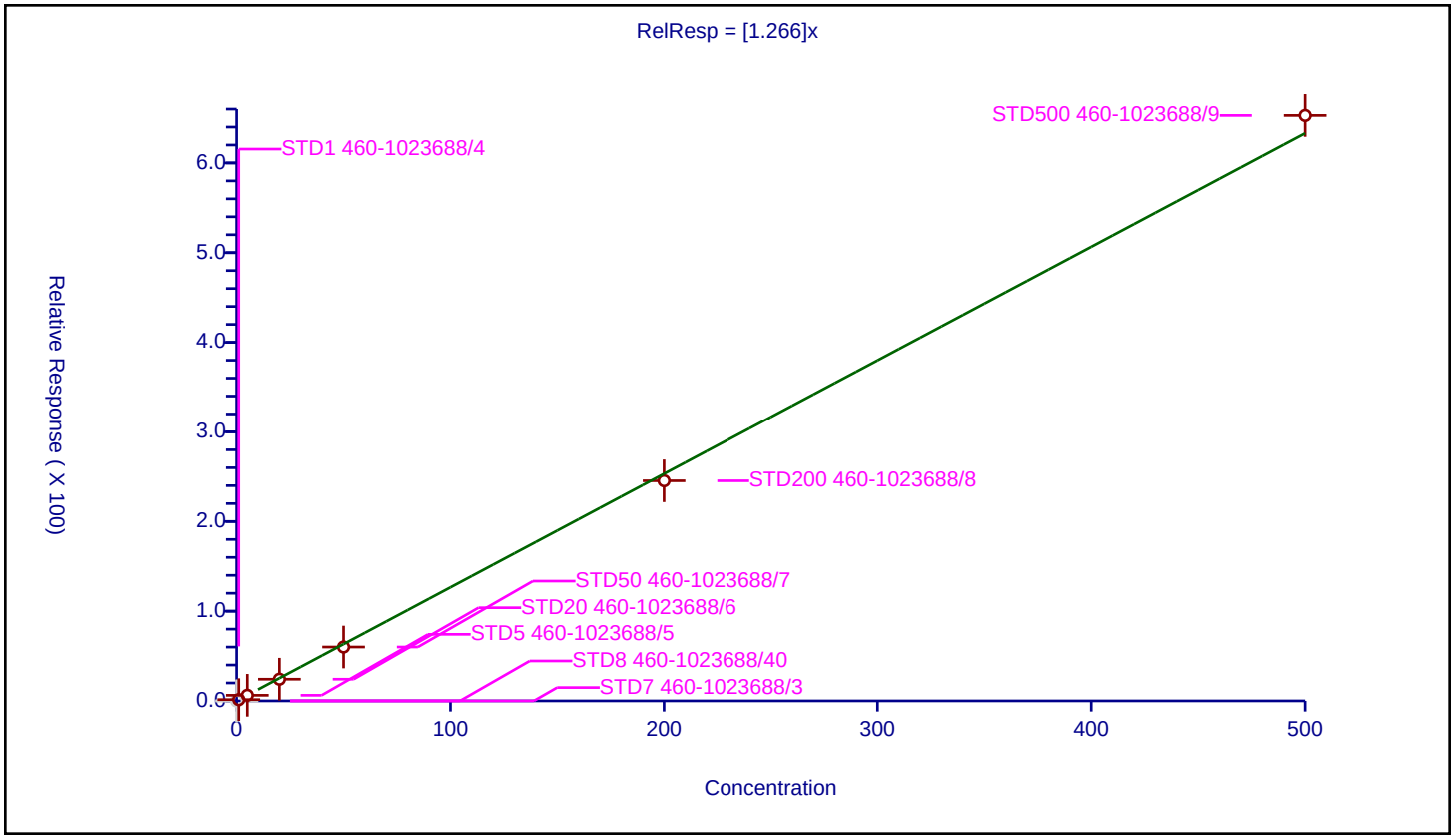
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.402724	50.0	205101.0	1.402724	Y
4	STD5 460-1023688/5	5.0	6.260162	50.0	210338.0	1.252032	Y
5	STD20 460-1023688/6	20.0	24.164558	50.0	216592.0	1.208228	Y
6	STD50 460-1023688/7	50.0	60.064648	50.0	224290.0	1.201293	Y
7	STD200 460-1023688/8	200.0	245.451915	50.0	245367.0	1.22726	Y
8	STD500 460-1023688/9	500.0	652.940809	50.0	255814.0	1.305882	Y



Calibration / 2,3-Dihydroindene

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

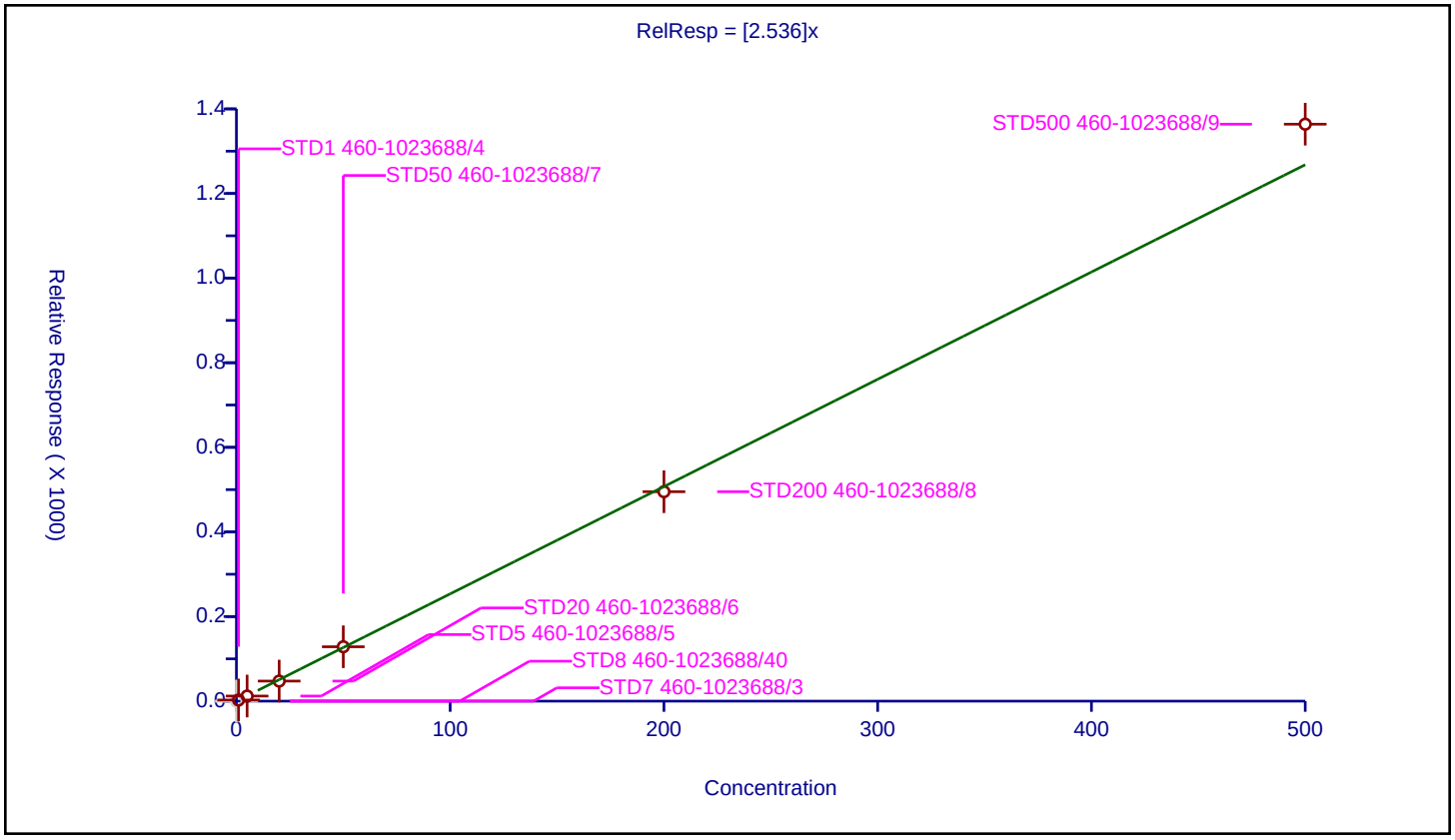
Curve Coefficients

Intercept:	0
Slope:	2.536

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.654546	50.0	205101.0	2.654546	Y
4	STD5 460-1023688/5	5.0	12.072949	50.0	210338.0	2.41459	Y
5	STD20 460-1023688/6	20.0	47.461125	50.0	216592.0	2.373056	Y
6	STD50 460-1023688/7	50.0	128.530028	50.0	224290.0	2.570601	Y
7	STD200 460-1023688/8	200.0	495.05883	50.0	245367.0	2.475294	Y
8	STD500 460-1023688/9	500.0	1363.845607	50.0	255814.0	2.727691	Y



Calibration / p-Diethylbenzene

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

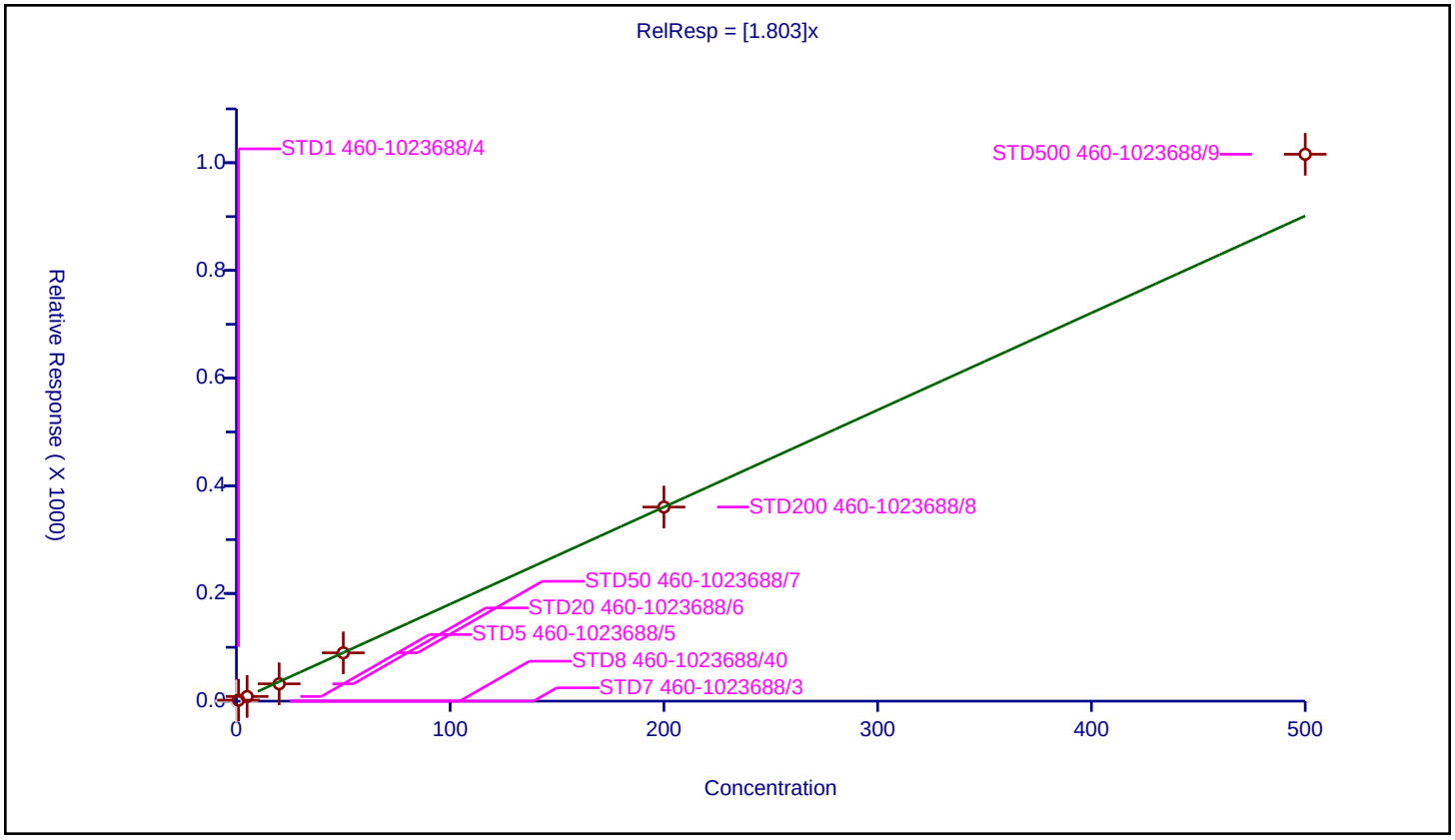
Curve Coefficients

Intercept:	0
Slope:	1.803

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.854208	50.0	205101.0	1.854208	Y
4	STD5 460-1023688/5	5.0	8.613755	50.0	210338.0	1.722751	Y
5	STD20 460-1023688/6	20.0	32.197173	50.0	216592.0	1.609859	Y
6	STD50 460-1023688/7	50.0	89.733604	50.0	224290.0	1.794672	Y
7	STD200 460-1023688/8	200.0	360.484906	50.0	245367.0	1.802425	Y
8	STD500 460-1023688/9	500.0	1015.742102	50.0	255814.0	2.031484	Y



Calibration / n-Butylbenzene

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

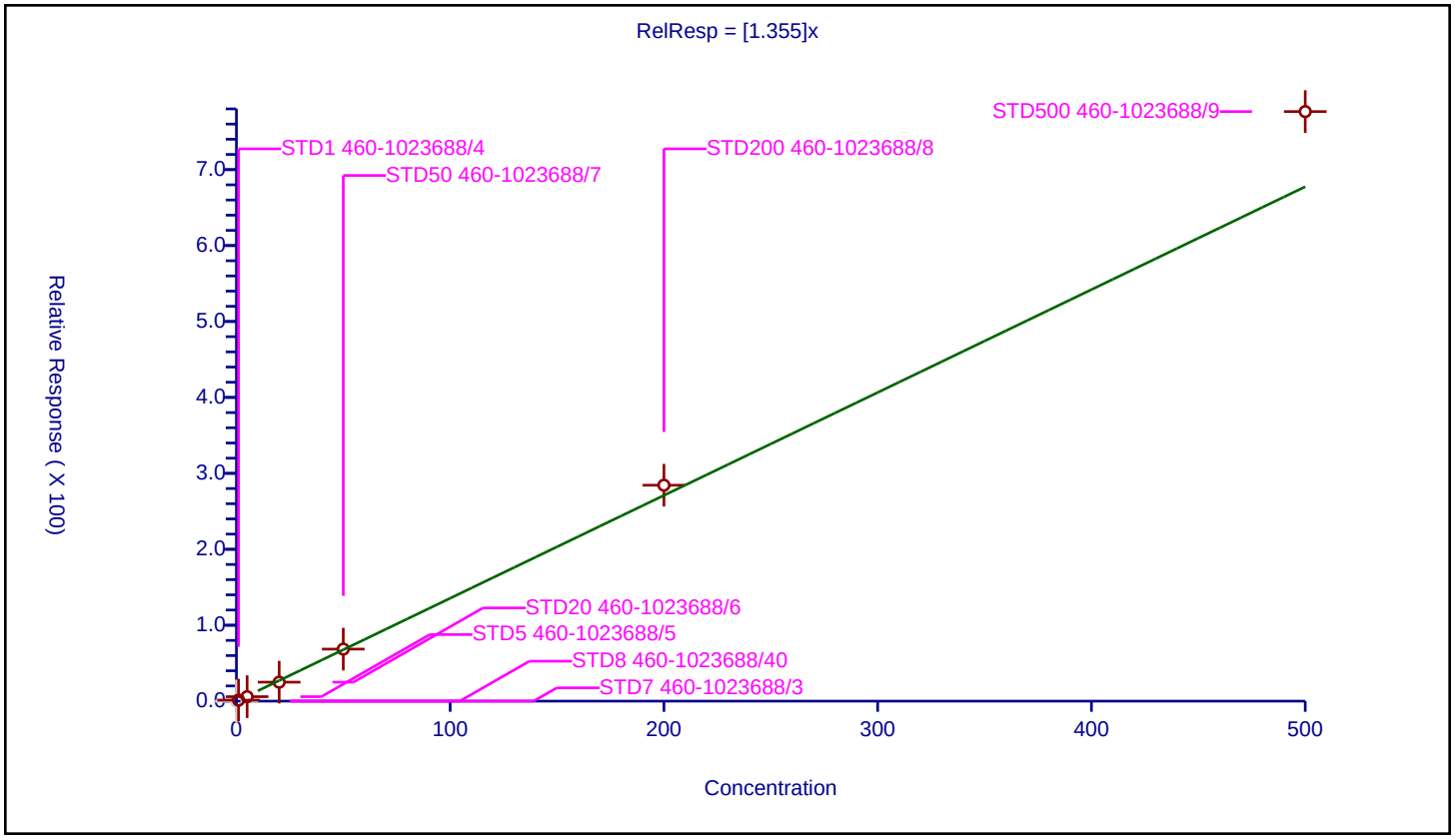
Curve Coefficients

Intercept:	0
Slope:	1.355

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.360305	50.0	205101.0	1.360305	Y
4	STD5 460-1023688/5	5.0	5.876019	50.0	210338.0	1.175204	Y
5	STD20 460-1023688/6	20.0	24.980378	50.0	216592.0	1.249019	Y
6	STD50 460-1023688/7	50.0	68.540729	50.0	224290.0	1.370815	Y
7	STD200 460-1023688/8	200.0	284.390321	50.0	245367.0	1.421952	Y
8	STD500 460-1023688/9	500.0	776.444409	50.0	255814.0	1.552889	Y



Calibration / 1,2-Dichlorobenzene

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

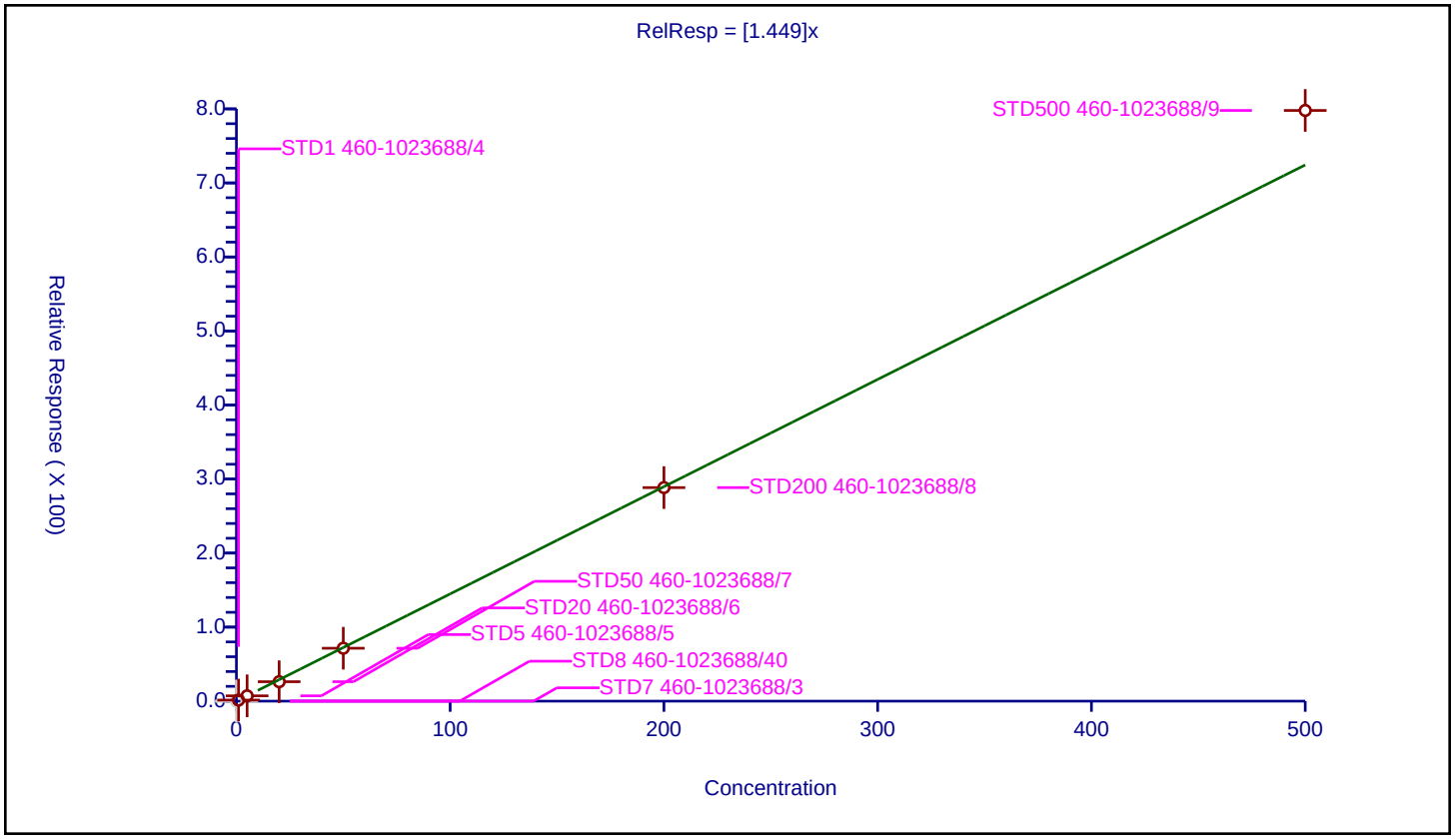
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.474152	50.0	205101.0	1.474152	Y
4	STD5 460-1023688/5	5.0	7.192471	50.0	210338.0	1.438494	Y
5	STD20 460-1023688/6	20.0	26.230424	50.0	216592.0	1.311521	Y
6	STD50 460-1023688/7	50.0	71.463953	50.0	224290.0	1.429279	Y
7	STD200 460-1023688/8	200.0	288.426724	50.0	245367.0	1.442134	Y
8	STD500 460-1023688/9	500.0	797.869937	50.0	255814.0	1.59574	Y



Calibration / 1,2,4,5-Tetramethylbenzene

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

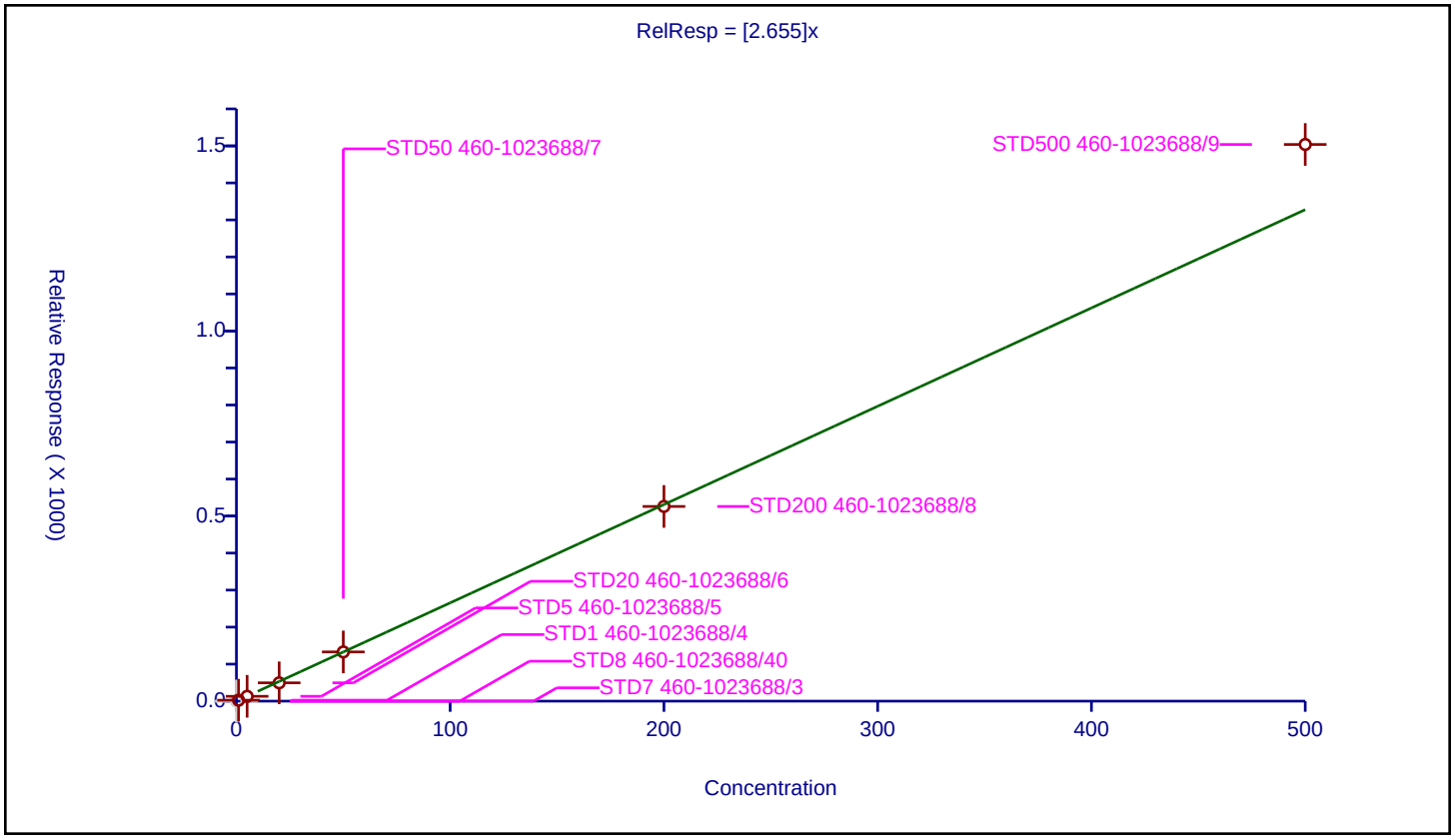
Curve Coefficients

Intercept:	0
Slope:	2.655

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.54655	50.0	205101.0	2.54655	Y
4	STD5 460-1023688/5	5.0	13.078949	50.0	210338.0	2.61579	Y
5	STD20 460-1023688/6	20.0	49.497211	50.0	216592.0	2.474861	Y
6	STD50 460-1023688/7	50.0	132.914976	50.0	224290.0	2.6583	Y
7	STD200 460-1023688/8	200.0	525.912409	50.0	245367.0	2.629562	Y
8	STD500 460-1023688/9	500.0	1503.884267	50.0	255814.0	3.007769	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

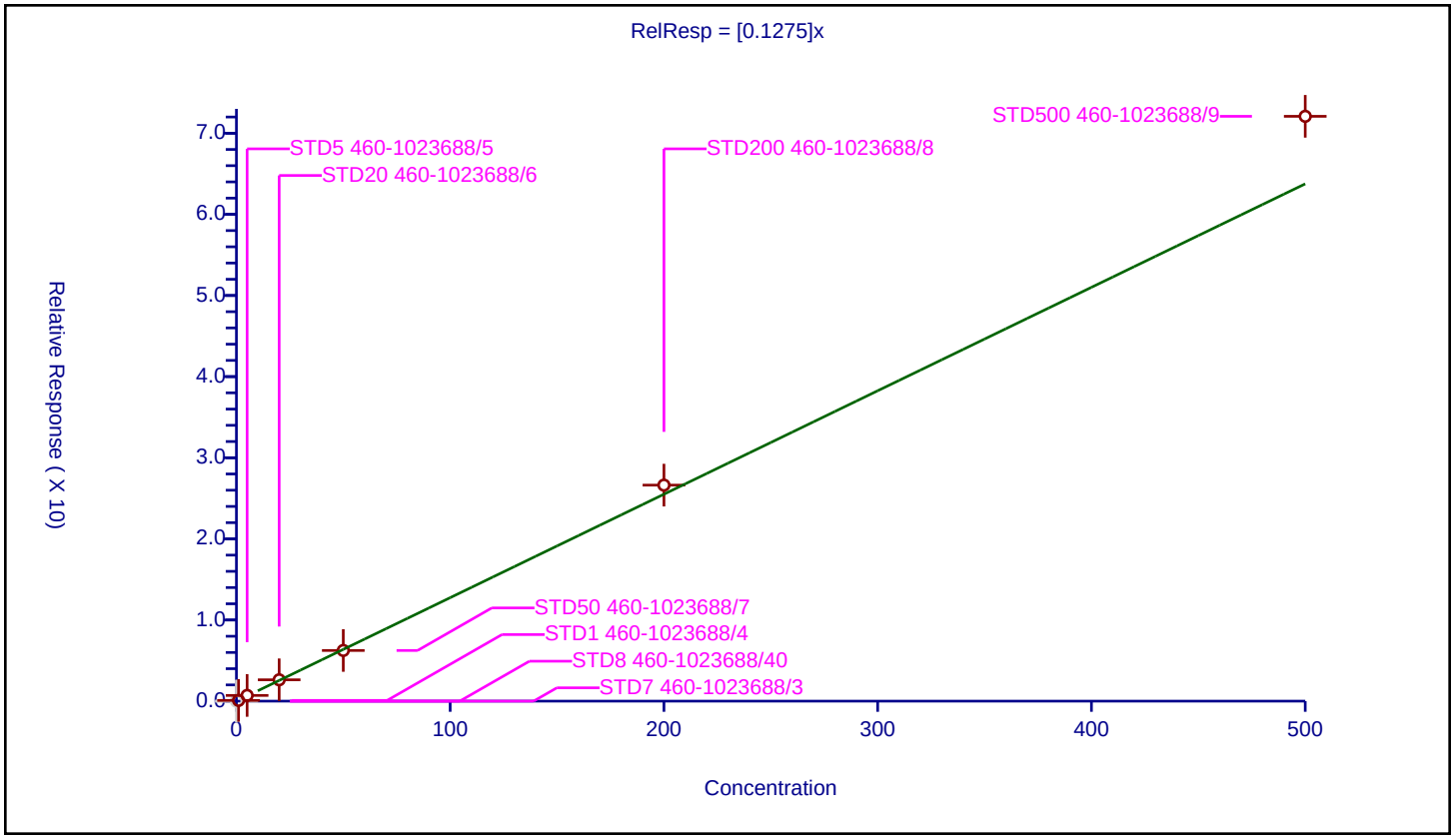
Curve Coefficients

Intercept:	0
Slope:	0.1275

Error Coefficients

Relative Standard Deviation:	15.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.090199	50.0	205101.0	0.090199	Y
4	STD5 460-1023688/5	5.0	0.705769	50.0	210338.0	0.141154	Y
5	STD20 460-1023688/6	20.0	2.631214	50.0	216592.0	0.131561	Y
6	STD50 460-1023688/7	50.0	6.245263	50.0	224290.0	0.124905	Y
7	STD200 460-1023688/8	200.0	26.625015	50.0	245367.0	0.133125	Y
8	STD500 460-1023688/9	500.0	72.085382	50.0	255814.0	0.144171	Y



Calibration / 1,3,5-Trichlorobenzene

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

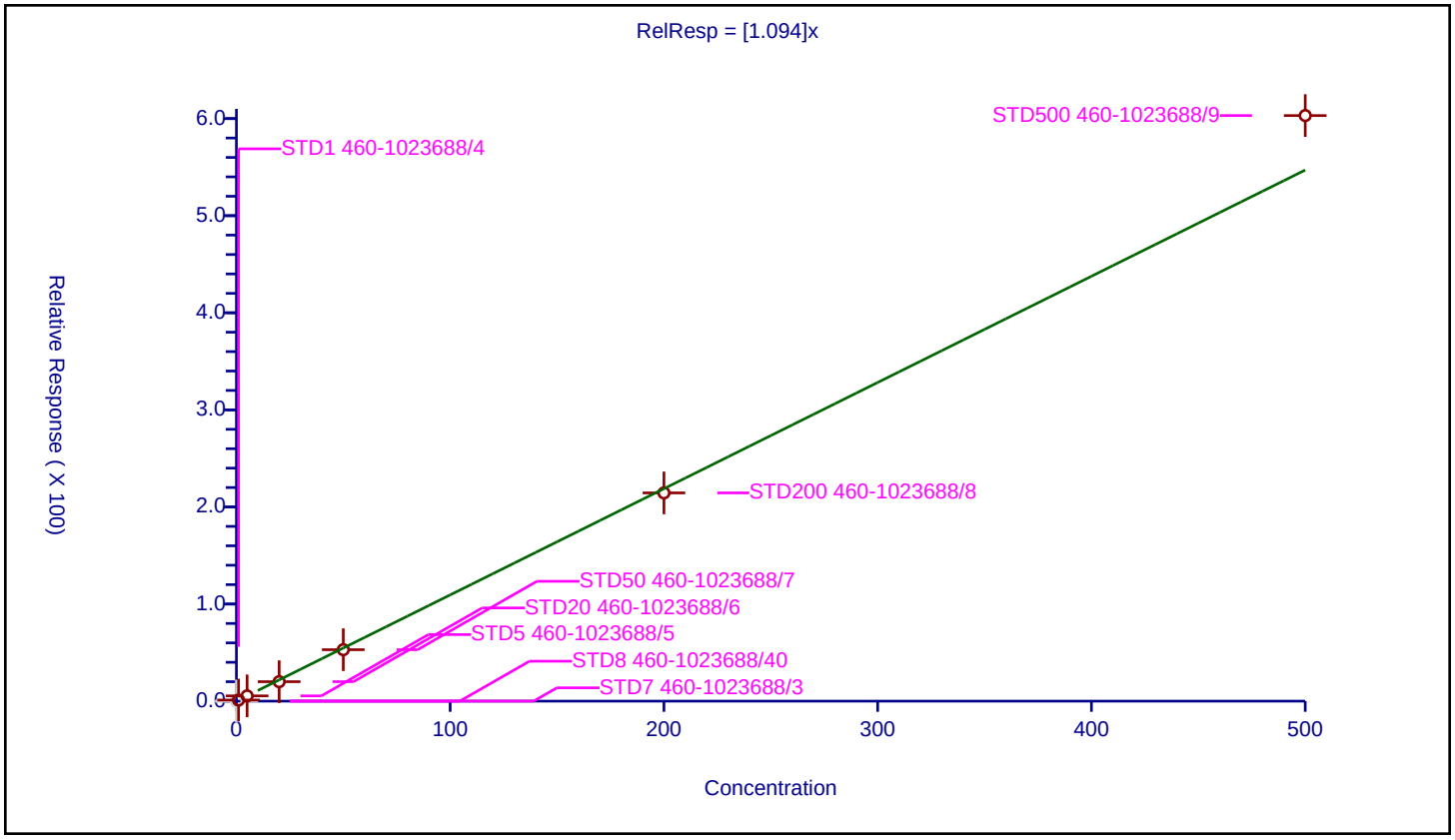
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	1.141633	50.0	205101.0	1.141633	Y
4	STD5 460-1023688/5	5.0	5.411766	50.0	210338.0	1.082353	Y
5	STD20 460-1023688/6	20.0	20.034673	50.0	216592.0	1.001734	Y
6	STD50 460-1023688/7	50.0	52.994561	50.0	224290.0	1.059891	Y
7	STD200 460-1023688/8	200.0	214.468531	50.0	245367.0	1.072343	Y
8	STD500 460-1023688/9	500.0	603.113395	50.0	255814.0	1.206227	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

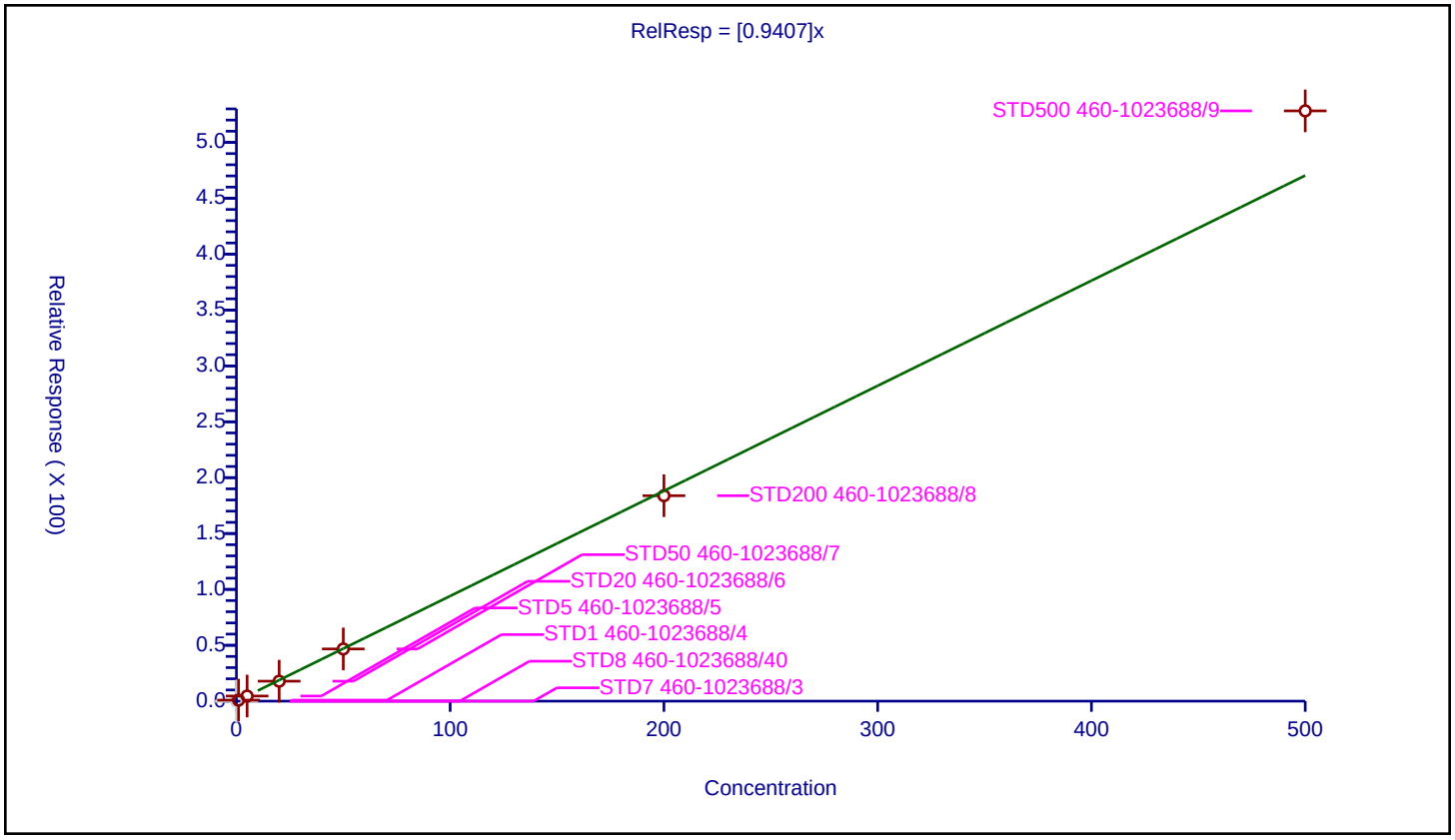
Curve Coefficients

Intercept:	0
Slope:	0.9407

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.924423	50.0	205101.0	0.924423	Y
4	STD5 460-1023688/5	5.0	4.585001	50.0	210338.0	0.917	Y
5	STD20 460-1023688/6	20.0	17.864464	50.0	216592.0	0.893223	Y
6	STD50 460-1023688/7	50.0	46.707165	50.0	224290.0	0.934143	Y
7	STD200 460-1023688/8	200.0	183.842571	50.0	245367.0	0.919213	Y
8	STD500 460-1023688/9	500.0	528.22324	50.0	255814.0	1.056446	Y



Calibration / Hexachlorobutadiene

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

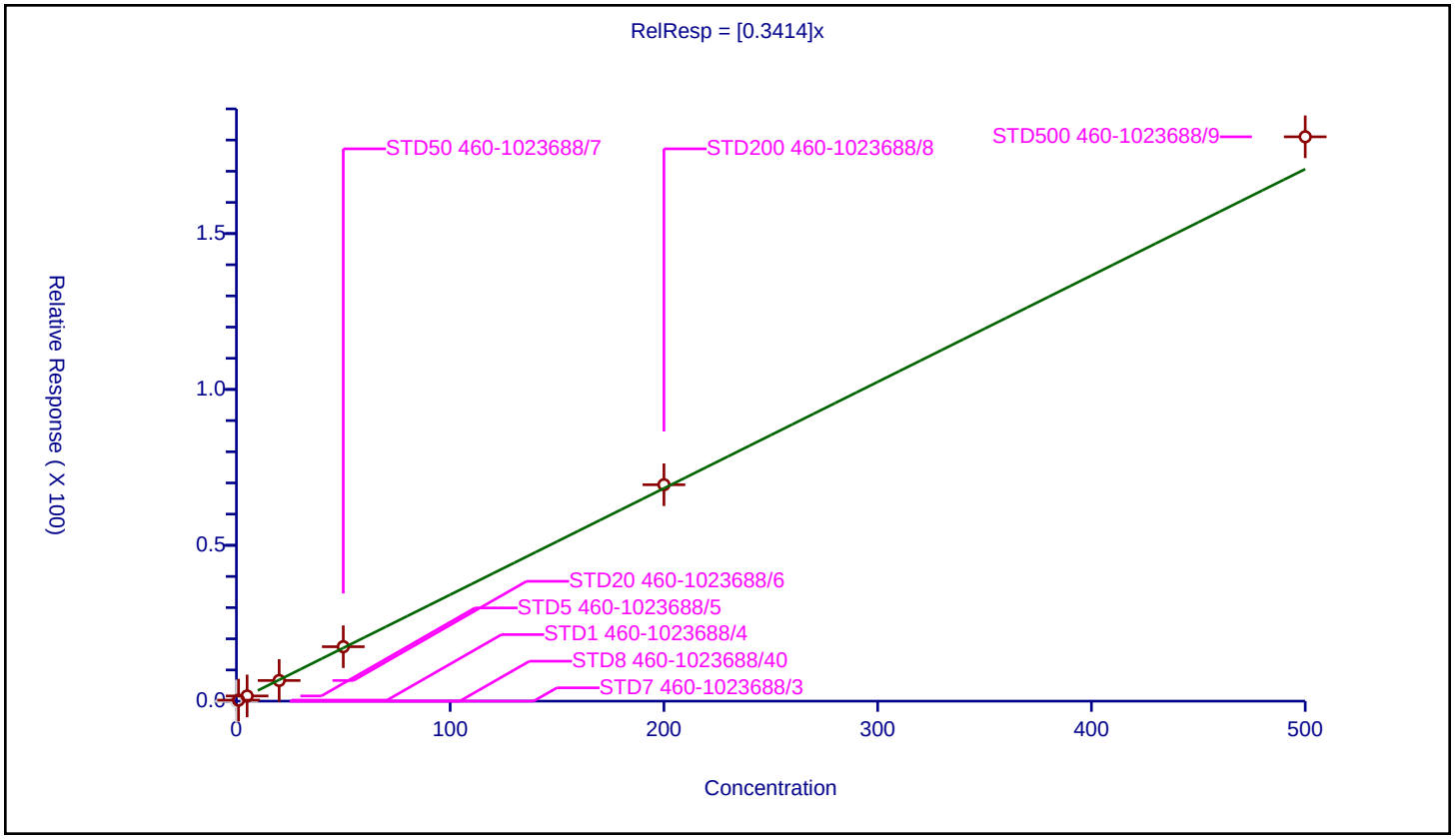
Curve Coefficients

Intercept:	0
Slope:	0.3414

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.325449	50.0	205101.0	0.325449	Y
4	STD5 460-1023688/5	5.0	1.664702	50.0	210338.0	0.33294	Y
5	STD20 460-1023688/6	20.0	6.627669	50.0	216592.0	0.331383	Y
6	STD50 460-1023688/7	50.0	17.460431	50.0	224290.0	0.349209	Y
7	STD200 460-1023688/8	200.0	69.42804	50.0	245367.0	0.34714	Y
8	STD500 460-1023688/9	500.0	181.048926	50.0	255814.0	0.362098	Y



Calibration / Naphthalene

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

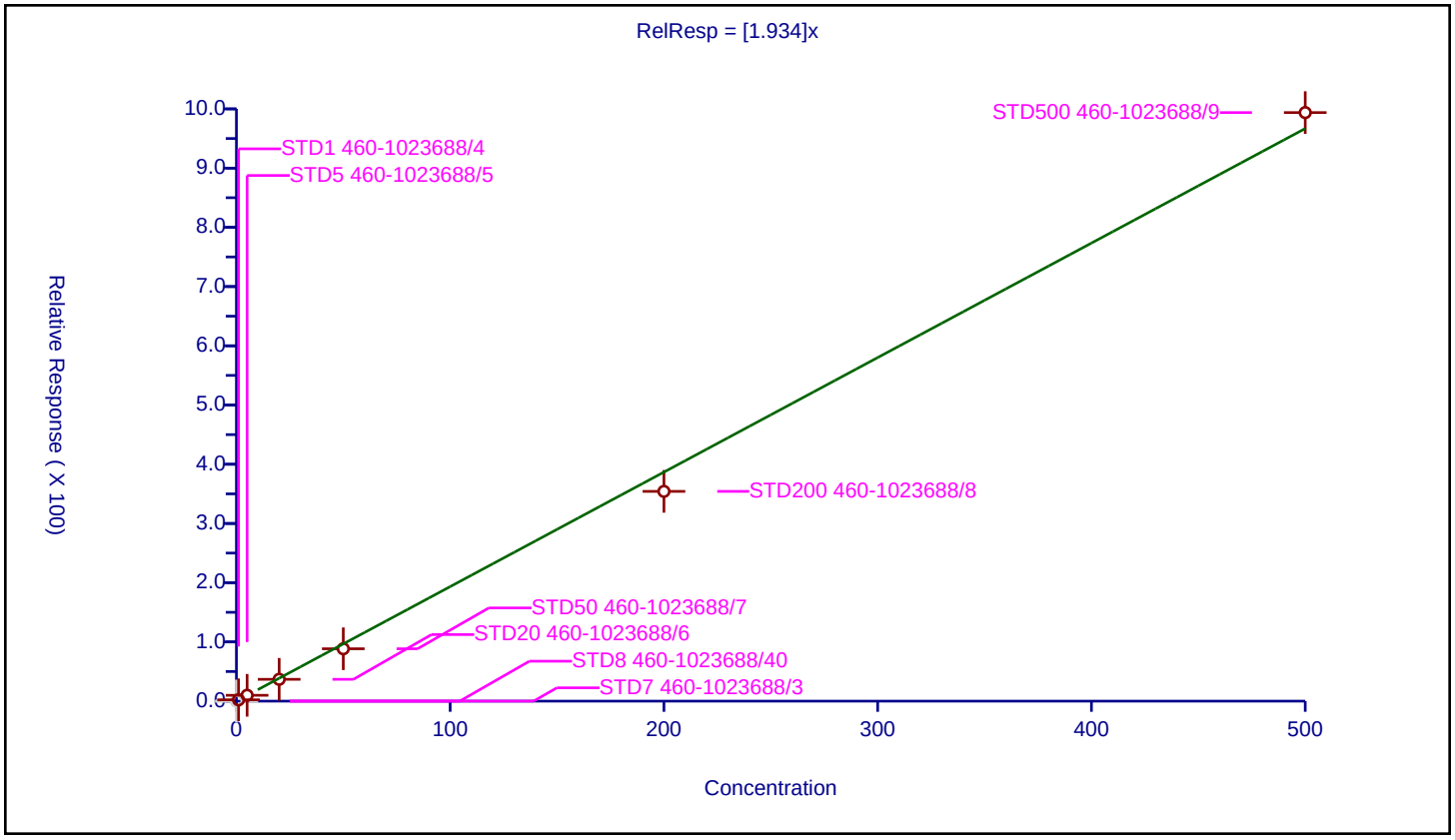
Curve Coefficients

Intercept:	0
Slope:	1.934

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	2.257912	50.0	205101.0	2.257912	Y
4	STD5 460-1023688/5	5.0	9.877435	50.0	210338.0	1.975487	Y
5	STD20 460-1023688/6	20.0	36.835386	50.0	216592.0	1.841769	Y
6	STD50 460-1023688/7	50.0	88.418788	50.0	224290.0	1.768376	Y
7	STD200 460-1023688/8	200.0	354.154185	50.0	245367.0	1.770771	Y
8	STD500 460-1023688/9	500.0	993.742133	50.0	255814.0	1.987484	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

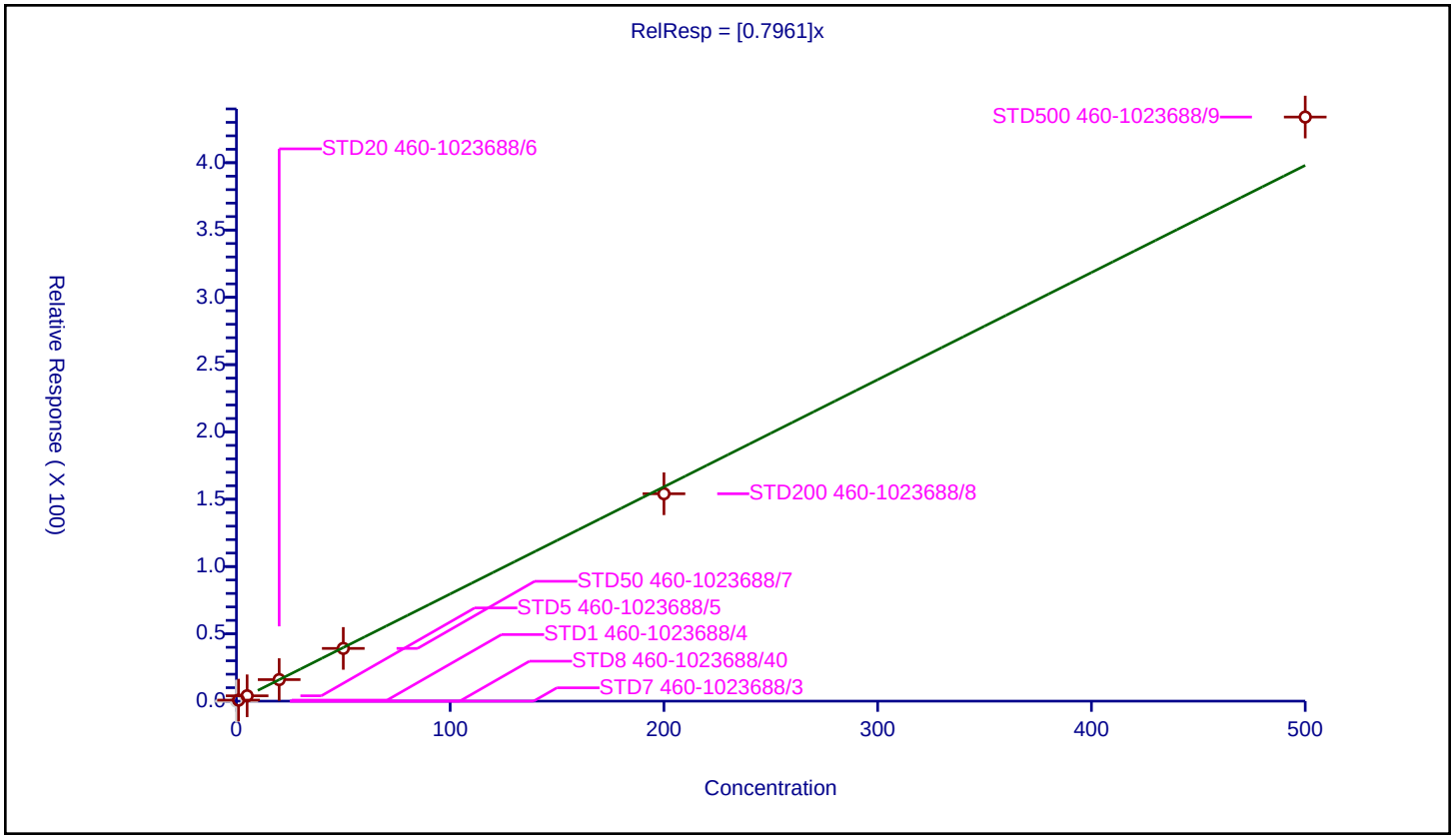
Curve Coefficients

Intercept:	0
Slope:	0.7961

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-1023688/3	0.0	0.0	50.0	207355.0	NaN	N
2	STD8 460-1023688/40	0.2	0.0	50.0	209569.0	0.0	N
3	STD1 460-1023688/4	1.0	0.762551	50.0	205101.0	0.762551	Y
4	STD5 460-1023688/5	5.0	3.963383	50.0	210338.0	0.792677	Y
5	STD20 460-1023688/6	20.0	15.99205	50.0	216592.0	0.799602	Y
6	STD50 460-1023688/7	50.0	39.170716	50.0	224290.0	0.783414	Y
7	STD200 460-1023688/8	200.0	154.077362	50.0	245367.0	0.770387	Y
8	STD500 460-1023688/9	500.0	433.945757	50.0	255814.0	0.867892	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: ICV 460-1023688/17 Calibration Date: 03/01/2025 21:48

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A22894.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0811	0.0531		13.1	20.0	-34.5*	30.0
Dichlorodifluoromethane	QuaF		0.4382	0.1000	18.8	20.0	-6.0	30.0
Chlorodifluoromethane	Ave	0.3129	0.2044		13.1	20.0	-34.7*	30.0
Chloromethane	Ave	0.3129	0.3008	0.1000	19.2	20.0	-3.9	30.0
Vinyl chloride	Ave	0.3457	0.4010	0.1000	23.2	20.0	16.0	30.0
Butadiene	Ave	0.2681	0.3080		23.0	20.0	14.9	30.0
Bromomethane	Ave	0.2515	0.2246	0.1000	17.9	20.0	-10.7	30.0
Chloroethane	Ave	0.2513	0.2367	0.1000	18.8	20.0	-5.8	30.0
Dichlorofluoromethane	Ave	0.5430	0.6577		24.2	20.0	21.1	30.0
Trichlorofluoromethane	Ave	0.4862	0.6265	0.1000	25.8	20.0	28.9	30.0
Pentane	Ave	3.570	2.546		28.5	40.0	-28.7	30.0
Ethanol	QuaF		0.0523		904	800	13.0	30.0
Ethyl ether	Ave	0.1892	0.1595		16.9	20.0	-15.7	30.0
2-Methyl-1,3-butadiene	Ave	0.1994	0.1592		16.0	20.0	-20.1	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2517	0.2172		17.3	20.0	-13.7	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3780	0.3326		17.6	20.0	-12.0	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2587	0.2427	0.1000	18.8	20.0	-6.2	30.0
Acrolein	Ave	1.896	1.233		25.7	39.5	-35.0*	30.0
1,1-Dichloroethene	Ave	0.2571	0.2278	0.1000	17.7	20.0	-11.4	30.0
Acetone	Ave	0.2779	0.2562	0.0010	92.2	100	-7.8	30.0
Isopropyl alcohol	Lin2		0.5422		185	200	-7.6	30.0
Iodomethane	QuaF		0.1894		12.0	20.0	-40.2*	30.0
Carbon disulfide	Ave	0.8344	0.7048	0.1000	16.9	20.0	-15.5	30.0
3-Chloro-1-propene	Ave	0.1619	0.1314		16.2	20.0	-18.9	30.0
Methyl acetate	Lin2		6.475	0.0500	35.2	40.0	-12.1	30.0
Cyclopentene	Ave	0.6427	0.4182		13.0	20.0	-34.9*	30.0
Acetonitrile	Ave	1.149	1.001		174	200	-12.9	30.0
Methylene Chloride	Ave	0.2895	0.2509	0.1000	17.3	20.0	-13.4	30.0
2-Methyl-2-propanol	Ave	1.088	0.9740		179	200	-10.4	30.0
Methyl tert-butyl ether	Ave	0.6570	0.5907	0.1000	18.0	20.0	-10.1	30.0
trans-1,2-Dichloroethene	Ave	0.2964	0.2530	0.1000	17.1	20.0	-14.6	30.0
Acrylonitrile	Ave	0.0569	0.0523		184	200	-8.0	30.0
Hexane	Ave	0.1360	0.1273		18.7	20.0	-6.4	30.0
Isopropyl ether	Ave	0.5528	0.5057		18.3	20.0	-8.5	30.0
1,1-Dichloroethane	Ave	0.4303	0.3706	0.2000	17.2	20.0	-13.9	30.0
Vinyl acetate	Ave	3.471	2.302		26.5	40.0	-33.7*	30.0
2-Chloro-1,3-butadiene	Ave	0.2472	0.2206		17.8	20.0	-10.8	30.0
Tert-butyl ethyl ether	Ave	0.6505	0.5926		18.2	20.0	-8.9	30.0
2,2-Dichloropropane	Ave	0.0999	0.0808		16.2	20.0	-19.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: ICV 460-1023688/17 Calibration Date: 03/01/2025 21:48

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A22894.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
cis-1,2-Dichloroethene	Ave	0.3161	0.2788	0.1000	17.6	20.0	-11.8	30.0
Ethyl acetate	Ave	0.4129	0.3606		34.9	40.0	-12.7	30.0
2-Butanone (MEK)	Ave	0.4016	0.3510	0.0100	87.4	100	-12.6	30.0
Methyl acrylate	Lin2		0.1369		19.0	20.0	-4.8	30.0
Propionitrile	Ave	1.386	1.265		182	200	-8.8	30.0
Chlorobromomethane	Ave	0.1629	0.1362		16.7	20.0	-16.4	30.0
Tetrahydrofuran	Ave	1.056	0.9446		35.8	40.0	-10.6	30.0
Methacrylonitrile	Ave	0.0832	0.0738		177	200	-11.4	30.0
Chloroform	Ave	0.5054	0.4387	0.2000	17.4	20.0	-13.2	30.0
Cyclohexane	Ave	0.3310	0.3140	0.1000	19.0	20.0	-5.1	30.0
1,1,1-Trichloroethane	Ave	0.4545	0.4318	0.1000	19.0	20.0	-5.0	30.0
Carbon tetrachloride	Ave	0.4106	0.3626	0.1000	17.7	20.0	-11.7	30.0
1,1-Dichloropropene	Ave	0.3490	0.3127		17.9	20.0	-10.4	30.0
Isobutyl alcohol	Ave	0.3550	0.3133		441	500	-11.7	30.0
Isooctane	Ave	0.4924	0.4612		18.7	20.0	-6.3	30.0
Benzene	Ave	1.332	1.221	0.5000	18.3	20.0	-8.3	30.0
Isopropyl acetate	Lin2		0.0849		18.9	20.0	-5.6	30.0
Tert-amyl methyl ether	Ave	0.2283	0.2089		18.3	20.0	-8.5	30.0
1,2-Dichloroethane	Ave	0.3241	0.2784	0.1000	17.2	20.0	-14.1	30.0
n-Heptane	Ave	0.1505	0.1271		16.9	20.0	-15.5	30.0
n-Butanol	Lin2		0.2321		417	500	-16.7	30.0
Trichloroethene	Lin2		0.2760	0.2000	19.1	20.0	-4.6	30.0
Ethyl acrylate	Ave	0.0417	0.0360		17.3	20.0	-13.6	30.0
Methylcyclohexane	Ave	0.3987	0.3689	0.1000	18.5	20.0	-7.5	30.0
1,2-Dichloropropane	Ave	0.2274	0.2085	0.1000	18.3	20.0	-8.3	30.0
Methyl methacrylate	Ave	0.1456	0.1360		37.4	40.0	-6.6	30.0
1,4-Dioxane	Lin2		0.9188		364	400	-9.1	30.0
n-Propyl acetate	Ave	0.2076	0.1759		16.9	20.0	-15.3	30.0
Dibromomethane	Ave	0.1762	0.1654		18.8	20.0	-6.2	30.0
Dichlorobromomethane	Lin2		0.3296	0.2000	19.0	20.0	-5.0	30.0
2-Nitropropane	Ave	0.0476	0.0393		33.0	40.0	-17.4	30.0
Epichlorohydrin	Ave	0.2549	0.2601		20.4	20.0	2.0	30.0
cis-1,3-Dichloropropene	Ave	0.5128	0.4657	0.2000	18.2	20.0	-9.2	30.0
4-Methyl-2-pentanone (MIBK)	Ave	2.423	2.196	0.0500	90.6	100	-9.4	30.0
Toluene	Ave	1.512	1.394	0.4000	18.4	20.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.4698	0.4463	0.1000	19.0	20.0	-5.0	30.0
Ethyl methacrylate	Ave	0.2807	0.2417		17.2	20.0	-13.9	30.0
1,1,2-Trichloroethane	Ave	0.2440	0.2369	0.1000	19.4	20.0	-2.9	30.0
Tetrachloroethene	Ave	0.3906	0.3732	0.2000	19.1	20.0	-4.4	30.0
1,3-Dichloropropane	Ave	0.4554	0.4308		18.9	20.0	-5.4	30.0
2-Hexanone	Ave	0.9443	0.9474	0.0500	100	100	0.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: ICV 460-1023688/17 Calibration Date: 03/01/2025 21:48

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A22894.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butyl acetate	Ave	0.0660	0.0631		19.1	20.0	-4.4	30.0
Chlorodibromomethane	Ave	0.3649	0.3386	0.1000	18.6	20.0	-7.2	30.0
Ethylene Dibromide	Ave	0.3047	0.2983	0.1000	19.6	20.0	-2.1	30.0
Chlorobenzene	Ave	0.999	0.9366	0.5000	18.8	20.0	-6.2	30.0
Ethylbenzene	Ave	0.5557	0.4985	0.1000	17.9	20.0	-10.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3785	0.3540		18.7	20.0	-6.5	30.0
m-Xylene & p-Xylene	Ave	0.6700	0.6129	0.1000	18.3	20.0	-8.5	30.0
n-Butyl acrylate	Ave	0.2253	0.1857		16.5	20.0	-17.6	30.0
o-Xylene	Ave	0.6537	0.6154	0.3000	18.8	20.0	-5.9	30.0
Styrene	Ave	1.114	1.045	0.3000	18.8	20.0	-6.2	30.0
Amyl acetate (mixed isomers)	Ave	0.6353	0.5488		17.3	20.0	-13.6	30.0
Bromoform	Ave	0.2334	0.2069	0.1000	17.7	20.0	-11.3	30.0
Isopropylbenzene	Ave	1.532	1.584	0.1000	20.7	20.0	3.3	30.0
Bromobenzene	Ave	0.7899	0.7093		18.0	20.0	-10.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6120	0.5392	0.3000	17.6	20.0	-11.9	30.0
N-Propylbenzene	Ave	3.559	3.321		18.7	20.0	-6.7	30.0
1,2,3-Trichloropropane	Lin2		0.1862		18.5	20.0	-7.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1419	0.1140		16.1	20.0	-19.7	30.0
2-Chlorotoluene	Ave	2.475	2.167		17.5	20.0	-12.4	30.0
4-Ethyltoluene	Ave	3.126	2.744		17.6	20.0	-12.2	30.0
1,3,5-Trimethylbenzene	Ave	2.532	2.355		18.6	20.0	-7.0	30.0
4-Chlorotoluene	Ave	2.160	1.972		18.3	20.0	-8.7	30.0
Butyl Methacrylate	Ave	0.8305	0.7520		18.1	20.0	-9.5	30.0
tert-Butylbenzene	Ave	2.243	2.027		18.1	20.0	-9.6	30.0
1,2,4-Trimethylbenzene	Ave	2.704	2.397		17.7	20.0	-11.3	30.0
sec-Butylbenzene	Ave	0.6842	0.6337		18.5	20.0	-7.4	30.0
4-Isopropyltoluene	Ave	3.020	2.589		17.1	20.0	-14.3	30.0
1,3-Dichlorobenzene	Ave	1.598	1.397	0.6000	17.5	20.0	-12.6	30.0
1,4-Dichlorobenzene	Ave	1.635	1.441	0.5000	17.6	20.0	-11.8	30.0
1,2,3-Trimethylbenzene	Ave	2.826	2.504		17.7	20.0	-11.4	30.0
Benzyl chloride	Ave	1.266	0.9783		15.5	20.0	-22.7	30.0
Indan	Ave	2.536	2.437		19.2	20.0	-3.9	30.0
p-Diethylbenzene	Ave	1.803	1.611		17.9	20.0	-10.7	30.0
n-Butylbenzene	Ave	1.355	1.271		18.8	20.0	-6.2	30.0
1,2-Dichlorobenzene	Ave	1.449	1.323	0.4000	18.3	20.0	-8.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.655	2.349		17.7	20.0	-11.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1275	0.1200	0.0500	18.8	20.0	-5.9	30.0
1,3,5-Trichlorobenzene	Ave	1.094	1.000		18.3	20.0	-8.6	30.0
1,2,4-Trichlorobenzene	Ave	0.9407	0.8573	0.2000	18.2	20.0	-8.9	30.0
Hexachlorobutadiene	Ave	0.3414	0.3399		19.9	20.0	-0.4	30.0
Naphthalene	Ave	1.934	1.752		18.1	20.0	-9.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: ICV 460-1023688/17 Calibration Date: 03/01/2025 21:48

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A22894.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Ave	0.7961	0.7442		18.7	20.0	-6.5	30.0
2-Chloroethyl vinyl ether	Ave	0.0161			1.00	20.0		
Dibromofluoromethane (Surr)	Ave	0.2803	0.2765		49.3	50.0	-1.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2580	0.2569		49.8	50.0	-0.4	30.0
Toluene-d8 (Surr)	Ave	1.275	1.314		51.5	50.0	3.1	30.0
4-Bromofluorobenzene	Ave	0.4138	0.4238		51.2	50.0	2.4	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22894.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 01-Mar-2025 21:48:30 ALS Bottle#: 19 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0187452-017
Operator ID: Instrument ID: CVOAMS1
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 03-Mar-2025 16:59:46 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1708

First Level Reviewer: RD6L Date: 04-Mar-2025 15:19:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	91	10687	20.0	13.1	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	99	88114	20.0	18.8	
165 Chlorodifluoromethane	51	1.575	1.575	0.000	97	41100	20.0	13.1	
6 Chloromethane	50	1.734	1.734	0.000	98	60484	20.0	19.2	
7 Vinyl chloride	62	1.805	1.804	0.001	97	80634	20.0	23.2	
172 Butadiene	39	1.828	1.828	0.000	93	61940	20.0	23.0	
9 Bromomethane	94	2.081	2.081	0.000	98	45159	20.0	17.9	
10 Chloroethane	64	2.158	2.157	0.001	99	47594	20.0	18.8	
174 Dichlorofluoromethane	67	2.305	2.310	-0.005	99	132269	20.0	24.2	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	125998	20.0	25.8	
13 Pentane	72	2.363	2.363	0.000	93	14935	40.0	28.5	
14 Ethanol	46	2.493	2.487	0.006	98	6133	800.0	903.9	
15 Ethyl ether	59	2.540	2.540	0.000	92	32083	20.0	16.9	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	80	32021	20.0	16.0	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	93	43685	20.0	17.3	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.622	-0.006	95	66885	20.0	17.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.693	2.699	-0.005	96	48806	20.0	18.8	
19 Acrolein	56	2.710	2.704	0.006	35	7143	39.5	25.7	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	96	45810	20.0	17.7	
22 Acetone	58	2.816	2.822	-0.006	90	13755	100.0	92.2	
24 Isopropyl alcohol	45	2.875	2.875	0.000	98	15904	200.0	184.8	
23 Iodomethane	142	2.893	2.893	0.000	100	38093	20.0	12.0	
25 Carbon disulfide	76	2.934	2.934	0.000	99	141739	20.0	16.9	
27 Methyl acetate	43	3.040	3.040	0.000	83	37983	40.0	35.2	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	77	26415	20.0	16.2	
166 Cyclopentene	67	3.063	3.063	0.000	90	84092	20.0	13.0	
29 Acetonitrile	41	3.105	3.104	0.001	93	29373	200.0	174.3	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	146650	1000.0	1000.0	
31 Methylene Chloride	84	3.157	3.163	-0.006	82	50453	20.0	17.3	
32 2-Methyl-2-propanol	59	3.187	3.193	-0.006	98	28568	200.0	179.1	

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	3.305	3.310	-0.006	95	118791	20.0	18.0	
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	88	50881	20.0	17.1	
35 Acrylonitrile	53	3.410	3.410	0.000	93	105243	200.0	183.9	
36 Hexane	43	3.481	3.487	-0.006	87	25593	20.0	18.7	
37 Isopropyl ether	45	3.681	3.681	0.000	90	101705	20.0	18.3	
38 1,1-Dichloroethane	63	3.734	3.734	0.000	93	74535	20.0	17.2	
39 Vinyl acetate	86	3.740	3.740	0.000	98	13502	40.0	26.5	M
40 2-Chloro-1,3-butadiene	88	3.781	3.787	-0.006	90	44371	20.0	17.8	
41 Tert-butyl ethyl ether	59	3.999	3.998	0.001	91	119168	20.0	18.2	
* 42 2-Butanone-d5	46	4.210	4.210	0.000	0	134204	250.0	250.0	
43 2,2-Dichloropropane	97	4.240	4.240	0.000	87	16243	20.0	16.2	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	98	56071	20.0	17.6	
46 Ethyl acetate	70	4.263	4.263	0.000	93	7742	40.0	34.9	
45 2-Butanone (MEK)	72	4.269	4.275	-0.006	98	18842	100.0	87.4	
47 Methyl acrylate	55	4.322	4.322	0.000	98	27528	20.0	19.0	
48 Propionitrile	54	4.410	4.410	0.000	98	37093	200.0	182.4	
50 Chlorobromomethane	128	4.499	4.493	0.007	68	27390	20.0	16.7	
49 Tetrahydrofuran	42	4.499	4.498	0.001	55	20284	40.0	35.8	
51 Methacrylonitrile	67	4.516	4.516	0.000	86	148368	200.0	177.3	
52 Chloroform	83	4.540	4.540	0.000	97	88227	20.0	17.4	
53 Cyclohexane	56	4.687	4.687	0.000	83	63137	20.0	19.0	
54 1,1,1-Trichloroethane	97	4.699	4.698	0.001	72	86840	20.0	19.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	139027	50.0	49.3	
56 Carbon tetrachloride	117	4.828	4.828	0.000	98	72910	20.0	17.7	
57 1,1-Dichloropropene	75	4.857	4.857	0.000	97	62877	20.0	17.9	
58 Isobutyl alcohol	43	4.957	4.957	0.000	96	22974	500.0	441.3	
59 Isooctane	57	5.022	5.022	0.000	98	92751	20.0	18.7	
60 Benzene	78	5.069	5.069	0.000	95	186899	20.0	18.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.087	0.000	0	129151	50.0	49.8	
62 Isopropyl acetate	61	5.099	5.104	-0.006	97	17074	20.0	18.9	
63 Tert-amyl methyl ether	87	5.110	5.122	-0.012	97	42016	20.0	18.3	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	97	55993	20.0	17.2	
65 n-Heptane	71	5.216	5.216	0.000	83	25557	20.0	16.9	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	502753	50.0	50.0	
67 n-Butanol	56	5.675	5.669	0.006	82	17022	500.0	416.6	
68 Trichloroethene	95	5.751	5.757	-0.006	97	55497	20.0	19.1	
69 Ethyl acrylate	99	5.881	5.875	0.006	93	7248	20.0	17.3	
70 Methylcyclohexane	83	5.893	5.892	0.001	91	74192	20.0	18.5	
71 1,2-Dichloropropane	63	6.081	6.069	0.012	87	41921	20.0	18.3	
* 73 1,4-Dioxane-d8	96	6.146	6.139	0.007	0	22175	1000.0	1000.0	
72 Methyl methacrylate	69	6.146	6.145	0.001	74	54682	40.0	37.4	
74 n-Propyl acetate	43	6.204	6.204	0.000	96	35377	20.0	16.9	
75 1,4-Dioxane	88	6.193	6.210	-0.017	33	8150	400.0	363.6	
76 Dibromomethane	93	6.222	6.222	0.000	96	33256	20.0	18.8	
77 Dichlorobromomethane	83	6.387	6.387	0.001	97	66289	20.0	19.0	
79 2-Nitropropane	41	6.763	6.763	0.000	98	15819	40.0	33.0	
80 Epichlorohydrin	57	6.881	6.886	-0.005	13	2792	20.0	20.4	a
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	90	71262	20.0	18.2	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	95	117904	100.0	90.6	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	100	502833	50.0	51.5	
84 Toluene	91	7.316	7.322	-0.006	92	213305	20.0	18.4	
86 trans-1,3-Dichloropropene	75	7.722	7.716	0.006	97	68295	20.0	19.0	

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	7.751	7.751	0.000	84	48602	20.0	17.2	
87 1,1,2-Trichloroethane	83	7.981	7.986	-0.005	95	36247	20.0	19.4	
88 Tetrachloroethene	166	8.039	8.039	0.000	96	57109	20.0	19.1	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	88	65918	20.0	18.9	
90 2-Hexanone	58	8.339	8.339	0.000	93	50857	100.0	100.3	
91 n-Butyl acetate	73	8.498	8.504	-0.006	96	9656	20.0	19.1	
92 Chlorodibromomethane	129	8.563	8.569	-0.006	95	51816	20.0	18.6	
93 Ethylene Dibromide	107	8.769	8.769	0.000	99	45643	20.0	19.6	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	382528	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	97	143303	20.0	18.8	
96 Ethylbenzene	106	9.434	9.433	0.001	98	76270	20.0	17.9	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	93	54161	20.0	18.7	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	93774	20.0	18.3	
99 n-Butyl acrylate	73	9.928	9.933	-0.005	98	28417	20.0	16.5	
100 o-Xylene	106	9.945	9.945	0.000	94	94159	20.0	18.8	
101 Styrene	104	9.975	9.975	0.001	98	159930	20.0	18.8	
102 Amyl acetate (mixed isomers)	43	10.128	10.127	0.001	92	46929	20.0	17.3	
103 Bromoform	173	10.151	10.157	-0.006	94	31665	20.0	17.7	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	242318	20.0	20.7	
$ 105 4-Bromofluorobenzene	174	10.416	10.410	0.006	96	162105	50.0	51.2	
107 Bromobenzene	156	10.522	10.522	0.000	91	60653	20.0	18.0	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.551	0.000	96	46104	20.0	17.6	
108 N-Propylbenzene	91	10.569	10.569	0.000	99	283962	20.0	18.7	
110 1,2,3-Trichloropropane	110	10.586	10.586	0.000	92	15922	20.0	18.5	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.598	0.006	94	9746	20.0	16.1	
112 2-Chlorotoluene	91	10.651	10.651	0.000	95	185332	20.0	17.5	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	234674	20.0	17.6	
113 1,3,5-Trimethylbenzene	105	10.704	10.704	0.000	94	201385	20.0	18.6	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	168651	20.0	18.3	
114 Butyl Methacrylate	87	10.769	10.769	0.000	83	64305	20.0	18.1	
116 tert-Butylbenzene	119	10.922	10.922	0.000	94	173346	20.0	18.1	
117 1,2,4-Trimethylbenzene	105	10.963	10.963	0.000	97	204952	20.0	17.7	
118 sec-Butylbenzene	134	11.069	11.069	0.000	99	54189	20.0	18.5	
119 4-Isopropyltoluene	119	11.157	11.157	0.000	97	221405	20.0	17.1	
120 1,3-Dichlorobenzene	146	11.169	11.169	0.000	97	119497	20.0	17.5	
* 121 1,4-Dichlorobenzene-d4	152	11.216	11.221	-0.005	93	213776	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.233	11.233	0.000	96	123259	20.0	17.6	
123 1,2,3-Trimethylbenzene	105	11.245	11.245	0.000	98	214111	20.0	17.7	
124 Benzyl chloride	91	11.333	11.333	0.000	99	83652	20.0	15.5	
162 2,3-Dihydroindene	117	11.380	11.380	0.000	94	208421	20.0	19.2	
164 p-Diethylbenzene	119	11.410	11.410	0.000	93	137722	20.0	17.9	
127 n-Butylbenzene	92	11.428	11.427	0.001	97	108644	20.0	18.8	
128 1,2-Dichlorobenzene	146	11.492	11.492	0.000	96	113105	20.0	18.3	
163 1,2,4,5-Tetramethylbenzene	119	11.957	11.963	-0.006	97	200869	20.0	17.7	
130 1,2-Dibromo-3-Chloropropane	157	12.063	12.063	0.000	91	10258	20.0	18.8	
131 1,3,5-Trichlorobenzene	180	12.169	12.168	0.001	97	85497	20.0	18.3	
132 1,2,4-Trichlorobenzene	180	12.698	12.698	0.000	94	73311	20.0	18.2	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	91	29068	20.0	19.9	
134 Naphthalene	128	12.939	12.945	-0.006	99	149835	20.0	18.1	
135 1,2,3-Trichlorobenzene	180	13.174	13.174	0.000	95	63634	20.0	18.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	34.7	
S 137 Xylenes, Total	100				0		40.0	37.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

7 Freons SS_00024	Amount Added:	20.00	Units: uL	
8260 SP_00190	Amount Added:	20.00	Units: uL	
ACROLEIN SP_00175	Amount Added:	4.00	Units: uL	
GAS C SP_00612	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 04-Mar-2025 15:19:27 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22894.D

Injection Date: 01-Mar-2025 21:48:30 Instrument ID: CVOAMS1 Operator ID:

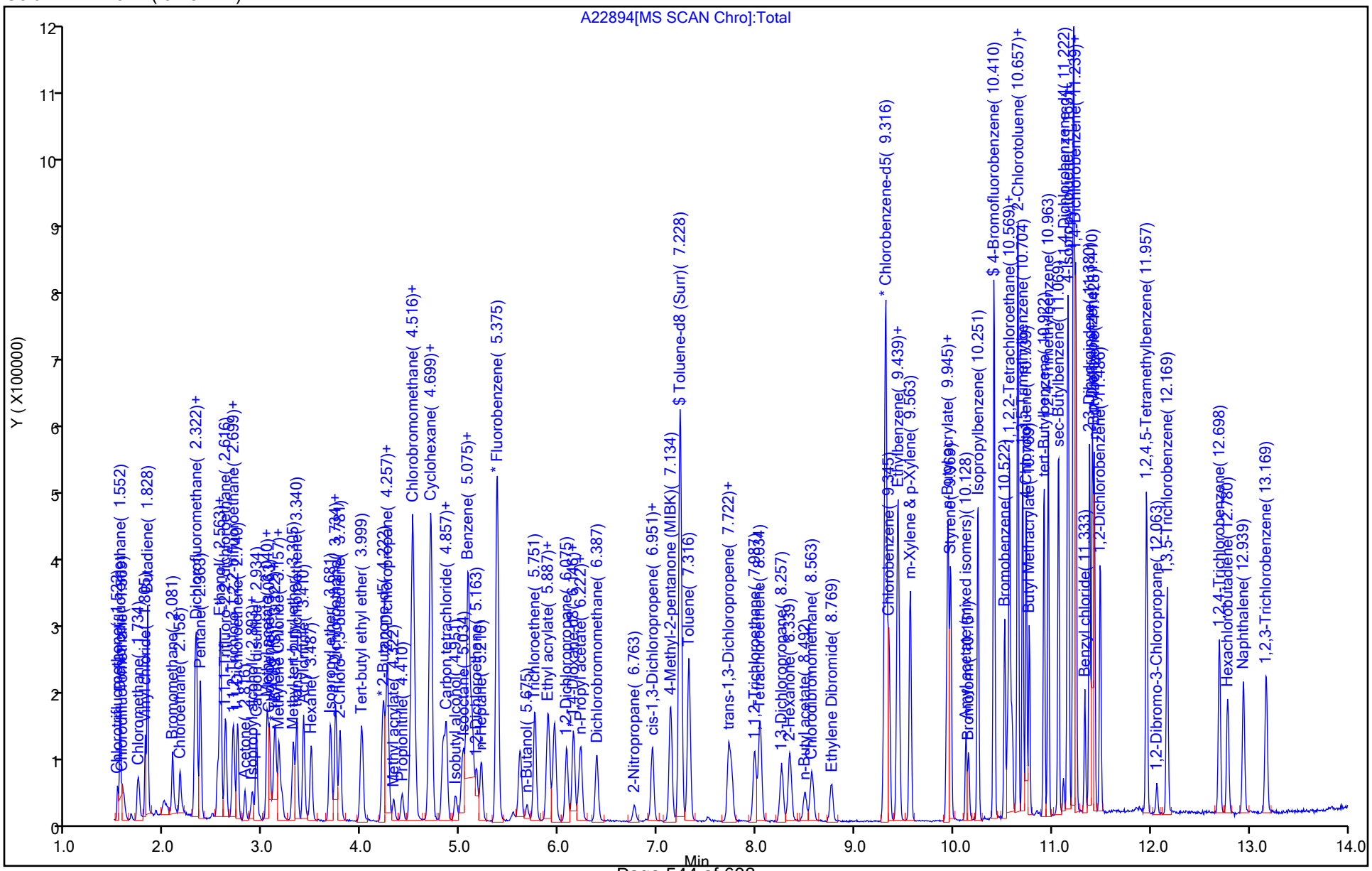
Lims ID: ICV Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 19

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

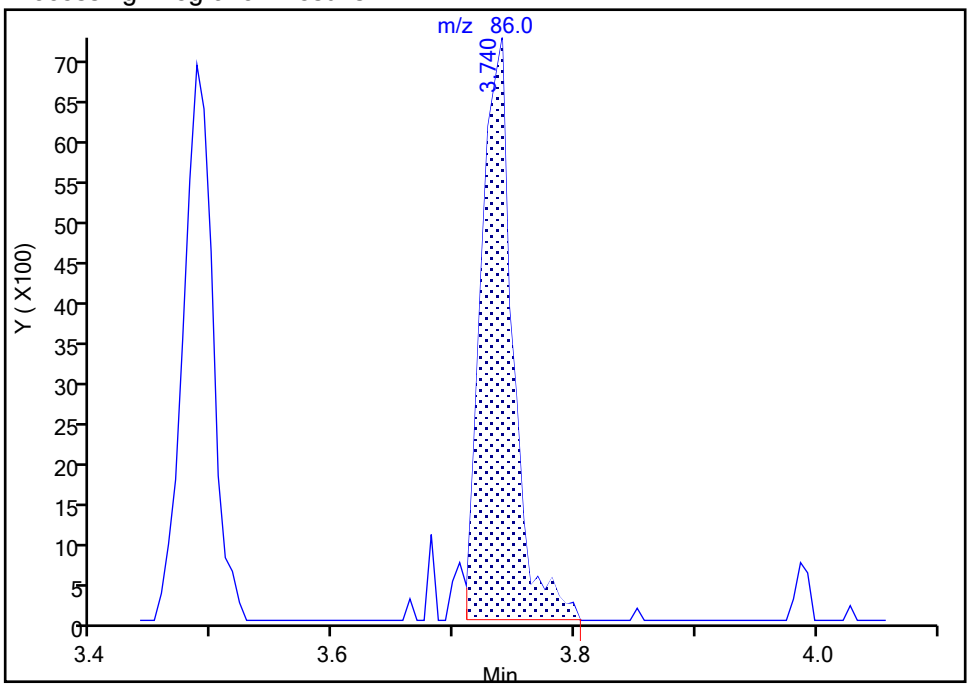
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22894.D
Injection Date: 01-Mar-2025 21:48:30 Instrument ID: CVOAMS1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

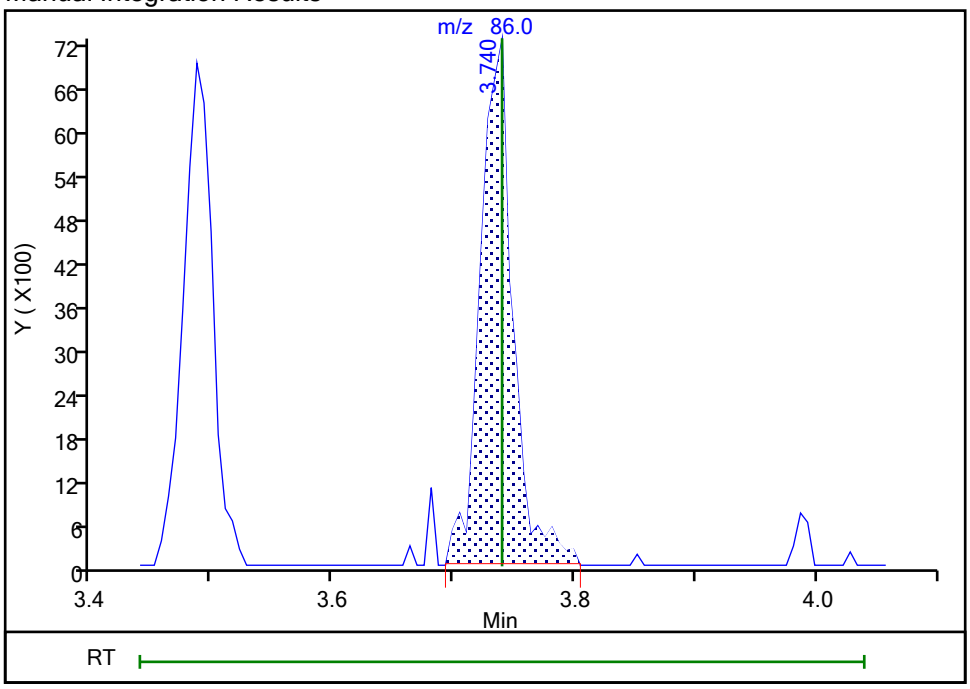
Processing Integration Results

RT: 3.74
Area: 13143
Amount: 25.821129
Amount Units: ug/l



Manual Integration Results

RT: 3.74
Area: 13502
Amount: 26.526431
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:50:12 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

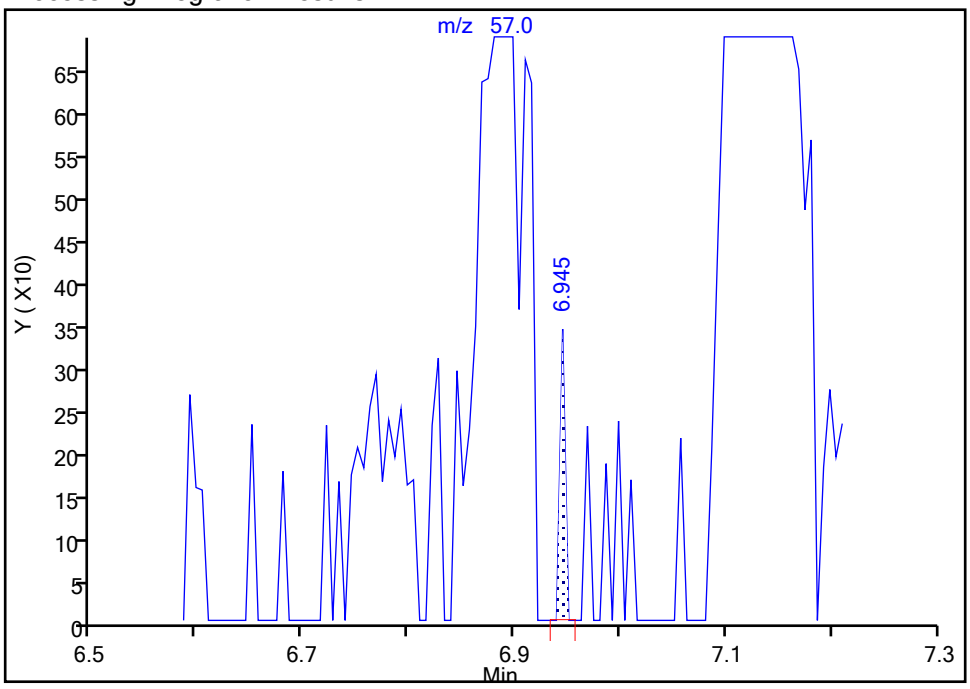
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22894.D
Injection Date: 01-Mar-2025 21:48:30 Instrument ID: CVOAMS1
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

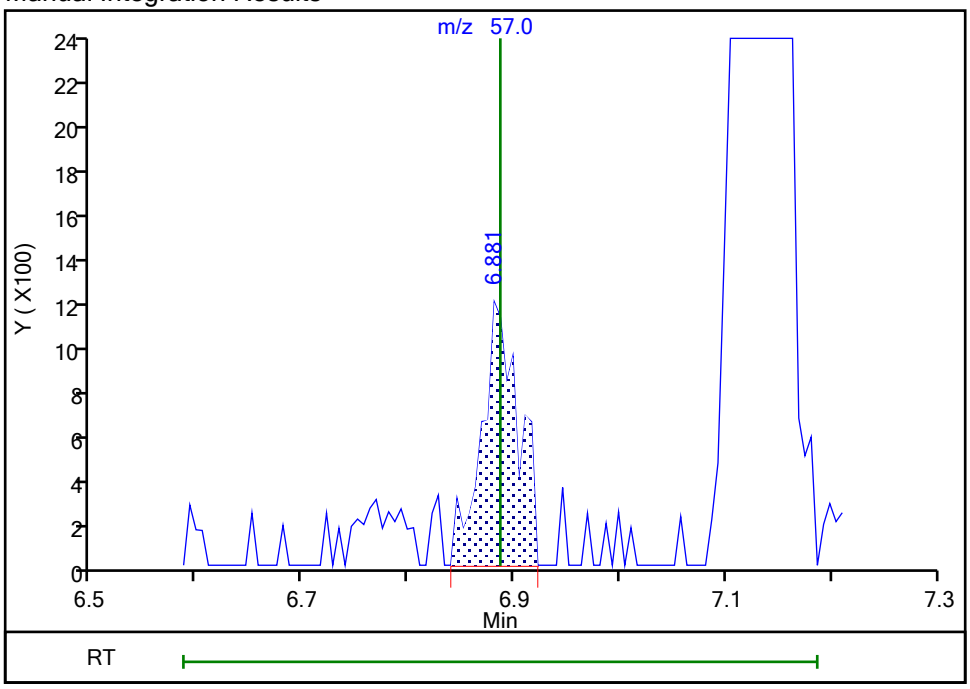
Processing Integration Results

RT: 6.95
Area: 121
Amount: 0.884377
Amount Units: ug/l



Manual Integration Results

RT: 6.88
Area: 2792
Amount: 20.406449
Amount Units: ug/l



Reviewer: NN6A, 03-Mar-2025 16:48:25 -05:00:00 (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.: 460-322205-1

SDG No.:

Lab Sample ID: CCVIS 460-1026611/3 Calibration Date: 03/19/2025 07:49

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A23683.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0811	0.0288		7.11	20.0	-64.4*	20.0
Dichlorodifluoromethane	QuaF		0.2966	0.1000	12.7	20.0	-36.3*	20.0
Chlorodifluoromethane	Ave	0.3129	0.2242		14.3	20.0	-28.3*	20.0
Chloromethane	Ave	0.3129	0.3717	0.1000	23.8	20.0	18.8	20.0
Vinyl chloride	Ave	0.3457	0.3743	0.1000	21.7	20.0	8.3	20.0
Butadiene	Ave	0.2681	0.2680		20.0	20.0	-0.0	20.0
Bromomethane	Ave	0.2515	0.2786	0.1000	22.2	20.0	10.8	50.0
Chloroethane	Ave	0.2513	0.2867	0.1000	22.8	20.0	14.1	50.0
Dichlorofluoromethane	Ave	0.5430	0.7314		26.9	20.0	34.7*	20.0
Trichlorofluoromethane	Ave	0.4862	0.5041	0.1000	20.7	20.0	3.7	20.0
Pentane	Ave	3.570	2.854		32.0	40.0	-20.1*	20.0
Ethanol	QuaF		0.0567		980	800	22.5	50.0
Ethyl ether	Ave	0.1892	0.1819		19.2	20.0	-3.9	20.0
2-Methyl-1,3-butadiene	Ave	0.1994	0.1705		17.1	20.0	-14.5	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2517	0.2083		16.6	20.0	-17.2	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3780	0.3210		17.0	20.0	-15.1	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2587	0.2061	0.1000	15.9	20.0	-20.3*	20.0
Acrolein	Ave	1.896	1.867		39.4	40.0	-1.5	50.0
1,1-Dichloroethene	Ave	0.2571	0.2585	0.1000	20.1	20.0	0.5	20.0
Acetone	Ave	0.2779	0.2512	0.0010	90.4	100	-9.6	50.0
Isopropyl alcohol	Lin2		0.5796		198	200	-0.9	50.0
Iodomethane	QuaF		0.2836		17.8	20.0	-10.8	20.0
Carbon disulfide	Ave	0.8344	0.7693	0.1000	18.4	20.0	-7.8	50.0
3-Chloro-1-propene	Ave	0.1619	0.1614		19.9	20.0	-0.3	20.0
Methyl acetate	Lin2		7.748	0.0500	42.4	40.0	5.9	20.0
Cyclopentene	Ave	0.6427	0.5724		17.8	20.0	-10.9	20.0
Acetonitrile	Ave	1.149	1.231		214	200	7.1	20.0
Methylene Chloride	Ave	0.2895	0.2931	0.1000	20.2	20.0	1.2	20.0
2-Methyl-2-propanol	Ave	1.088	1.188		218	200	9.2	50.0
Methyl tert-butyl ether	Ave	0.6570	0.6057	0.1000	18.4	20.0	-7.8	20.0
trans-1,2-Dichloroethene	Ave	0.2964	0.2783	0.1000	18.8	20.0	-6.1	20.0
Acrylonitrile	Ave	0.0569	0.0617		217	200	8.4	20.0
Hexane	Ave	0.1360	0.1112		16.4	20.0	-18.2	20.0
Isopropyl ether	Ave	0.5528	0.5884		21.3	20.0	6.4	20.0
Vinyl acetate	Ave	3.471	3.851		44.4	40.0	10.9	20.0
1,1-Dichloroethane	Ave	0.4303	0.4412	0.2000	20.5	20.0	2.5	20.0
2-Chloro-1,3-butadiene	Ave	0.2472	0.2269		18.4	20.0	-8.2	20.0
Tert-butyl ethyl ether	Ave	0.6505	0.6186		19.0	20.0	-4.9	20.0
2,2-Dichloropropane	Ave	0.0999	0.1001		20.0	20.0	0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: CCVIS 460-1026611/3 Calibration Date: 03/19/2025 07:49

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A23683.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
cis-1,2-Dichloroethene	Ave	0.3161	0.3269	0.1000	20.7	20.0	3.4	20.0
2-Butanone (MEK)	Ave	0.4016	0.3600	0.0100	89.7	100	-10.3	50.0
Ethyl acetate	Ave	0.4129	0.4289		41.5	40.0	3.9	20.0
Methyl acrylate	Lin2		0.1469		20.5	20.0	2.4	20.0
Propionitrile	Ave	1.386	1.679		242	200	21.1*	20.0
Chlorobromomethane	Ave	0.1629	0.1572		19.3	20.0	-3.5	20.0
Tetrahydrofuran	Ave	1.056	0.9741		36.9	40.0	-7.8	20.0
Methacrylonitrile	Ave	0.0832	0.0821		197	200	-1.4	20.0
Chloroform	Ave	0.5054	0.5085	0.2000	20.1	20.0	0.6	20.0
Cyclohexane	Ave	0.3310	0.2744	0.1000	16.6	20.0	-17.1	50.0
1,1,1-Trichloroethane	Ave	0.4545	0.4405	0.1000	19.4	20.0	-3.1	20.0
Carbon tetrachloride	Ave	0.4106	0.3954	0.1000	19.3	20.0	-3.7	20.0
1,1-Dichloropropene	Ave	0.3490	0.3402		19.5	20.0	-2.5	20.0
Isobutyl alcohol	Ave	0.3550	0.3739		527	500	5.3	50.0
Isooctane	Ave	0.4924	0.4019		16.3	20.0	-18.4	20.0
Benzene	Ave	1.332	1.280	0.5000	19.2	20.0	-4.0	20.0
Isopropyl acetate	Lin2		0.0803		17.7	20.0	-11.6	20.0
Tert-amyl methyl ether	Ave	0.2283	0.2197		19.2	20.0	-3.8	20.0
1,2-Dichloroethane	Ave	0.3241	0.3148	0.1000	19.4	20.0	-2.9	20.0
n-Heptane	Ave	0.1505	0.1187		15.8	20.0	-21.1*	20.0
n-Butanol	Lin2		0.2771		500	500	0.0	50.0
Trichloroethene	Lin2		0.2723	0.2000	18.8	20.0	-5.9	20.0
Ethyl acrylate	Ave	0.0417	0.0342		16.4	20.0	-18.0	20.0
Methylcyclohexane	Ave	0.3987	0.2997	0.1000	15.0	20.0	-24.8	50.0
1,2-Dichloropropane	Ave	0.2274	0.2393	0.1000	21.0	20.0	5.2	20.0
Methyl methacrylate	Ave	0.1456	0.1312		36.0	40.0	-9.9	20.0
1,4-Dioxane	Lin2		1.099		442	400	10.5	50.0
n-Propyl acetate	Ave	0.2076	0.2045		19.7	20.0	-1.5	20.0
Dibromomethane	Ave	0.1762	0.1757		19.9	20.0	-0.3	20.0
Dichlorobromomethane	Lin2		0.3721	0.2000	21.5	20.0	7.4	20.0
2-Nitropropane	Ave	0.0476	0.0388		32.6	40.0	-18.6	20.0
Epichlorohydrin	Ave	0.2549	0.2128		334	400	-16.5	20.0
cis-1,3-Dichloropropene	Ave	0.5128	0.5134	0.2000	20.0	20.0	0.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.423	2.278	0.0500	94.0	100	-6.0	50.0
Toluene	Ave	1.512	1.383	0.4000	18.3	20.0	-8.5	20.0
trans-1,3-Dichloropropene	Ave	0.4698	0.4410	0.1000	18.8	20.0	-6.1	50.0
Ethyl methacrylate	Ave	0.2807	0.2447		17.4	20.0	-12.8	20.0
1,1,2-Trichloroethane	Ave	0.2440	0.2382	0.1000	19.5	20.0	-2.4	20.0
Tetrachloroethene	Ave	0.3906	0.3584	0.2000	18.4	20.0	-8.2	20.0
1,3-Dichloropropane	Ave	0.4554	0.4516		19.8	20.0	-0.8	20.0
2-Hexanone	Ave	0.9443	0.9406	0.0500	99.6	100	-0.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: CCVIS 460-1026611/3 Calibration Date: 03/19/2025 07:49

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A23683.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butyl acetate	Ave	0.0660	0.0596		18.1	20.0	-9.7	20.0
Chlorodibromomethane	Ave	0.3649	0.3978	0.1000	21.8	20.0	9.0	50.0
Ethylene Dibromide	Ave	0.3047	0.2962	0.1000	19.4	20.0	-2.8	20.0
Chlorobenzene	Ave	0.999	1.003	0.5000	20.1	20.0	0.5	20.0
Ethylbenzene	Ave	0.5557	0.5139	0.1000	18.5	20.0	-7.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3785	0.3703		19.6	20.0	-2.2	20.0
m-Xylene & p-Xylene	Ave	0.6700	0.6094	0.1000	18.2	20.0	-9.0	20.0
n-Butyl acrylate	Ave	0.2253	0.1608		14.3	20.0	-28.6*	20.0
o-Xylene	Ave	0.6537	0.6185	0.3000	18.9	20.0	-5.4	20.0
Styrene	Ave	1.114	1.008	0.3000	18.1	20.0	-9.6	20.0
Amyl acetate (mixed isomers)	Ave	0.6353	0.5083		16.0	20.0	-20.0	20.0
Bromoform	Ave	0.2334	0.2404	0.1000	20.6	20.0	3.0	20.0
Isopropylbenzene	Ave	1.532	1.375	0.1000	18.0	20.0	-10.2	20.0
Bromobenzene	Ave	0.7899	0.7230		18.3	20.0	-8.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6120	0.5306	0.3000	17.3	20.0	-13.3	20.0
N-Propylbenzene	Ave	3.559	3.005		16.9	20.0	-15.6	20.0
1,2,3-Trichloropropane	Lin2		0.1813		18.0	20.0	-10.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1419	0.1228		17.3	20.0	-13.5	20.0
2-Chlorotoluene	Ave	2.475	2.115		17.1	20.0	-14.5	20.0
4-Ethyltoluene	Ave	3.126	2.649		16.9	20.0	-15.3	20.0
1,3,5-Trimethylbenzene	Ave	2.532	2.253		17.8	20.0	-11.0	20.0
4-Chlorotoluene	Ave	2.160	1.920		17.8	20.0	-11.1	20.0
Butyl Methacrylate	Ave	0.8305	0.6403		15.4	20.0	-22.9*	20.0
tert-Butylbenzene	Ave	2.243	1.938		17.3	20.0	-13.6	20.0
1,2,4-Trimethylbenzene	Ave	2.704	2.268		16.8	20.0	-16.1	20.0
sec-Butylbenzene	Ave	0.6842	0.5841		17.1	20.0	-14.6	20.0
4-Isopropyltoluene	Ave	3.020	2.555		16.9	20.0	-15.4	20.0
1,3-Dichlorobenzene	Ave	1.598	1.569	0.6000	19.6	20.0	-1.8	20.0
1,4-Dichlorobenzene	Ave	1.635	1.605	0.5000	19.6	20.0	-1.9	20.0
1,2,3-Trimethylbenzene	Ave	2.826	2.431		17.2	20.0	-14.0	20.0
Benzyl chloride	Ave	1.266	0.9381		14.8	20.0	-25.9	50.0
Indan	Ave	2.536	2.349		18.5	20.0	-7.4	20.0
p-Diethylbenzene	Ave	1.803	1.635		18.1	20.0	-9.3	20.0
n-Butylbenzene	Ave	1.355	1.189		17.6	20.0	-12.2	20.0
1,2-Dichlorobenzene	Ave	1.449	1.694	0.4000	23.4	20.0	16.9	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.655	2.249		16.9	20.0	-15.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1275	0.1183	0.0500	18.6	20.0	-7.2	50.0
1,3,5-Trichlorobenzene	Ave	1.094	0.9851		18.0	20.0	-10.0	20.0
1,2,4-Trichlorobenzene	Ave	0.9407	0.8012	0.2000	17.0	20.0	-14.8	20.0
Hexachlorobutadiene	Ave	0.3414	0.3127		18.3	20.0	-8.4	20.0
Naphthalene	Ave	1.934	1.464		15.1	20.0	-24.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Lab Sample ID: CCVIS 460-1026611/3 Calibration Date: 03/19/2025 07:49

Instrument ID: CVOAMS1 Calib Start Date: 03/01/2025 15:41

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/01/2025 18:32

Lab File ID: A23683.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichlorobenzene	Ave	0.7961	0.6802		17.1	20.0	-14.6	20.0
2-Chloroethyl vinyl ether	Ave	0.0161			1.00	20.0		
Dibromofluoromethane (Surr)	Ave	0.2803	0.3021		53.9	50.0	7.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2580	0.2618		50.7	50.0	1.5	20.0
Toluene-d8 (Surr)	Ave	1.275	1.284		50.3	50.0	0.7	20.0
4-Bromofluorobenzene	Ave	0.4138	0.3978		48.1	50.0	-3.9	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23683.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Mar-2025 07:49:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0188137-003
Operator ID: Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub63

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:45:22 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: NN6A Date: 20-Mar-2025 12:45:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	81	7001	20.0	7.11	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	99	72027	20.0	12.7	
165 Chlorodifluoromethane	51	1.569	1.569	0.000	96	54440	20.0	14.3	
6 Chloromethane	50	1.734	1.734	0.000	98	90270	20.0	23.8	
7 Vinyl chloride	62	1.805	1.805	0.000	98	90882	20.0	21.7	
172 Butadiene	39	1.828	1.828	0.000	94	65067	20.0	20.0	
9 Bromomethane	94	2.081	2.081	0.000	97	67661	20.0	22.2	
10 Chloroethane	64	2.157	2.157	0.000	98	69616	20.0	22.8	
174 Dichlorofluoromethane	67	2.305	2.305	0.000	98	177601	20.0	26.9	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	99	122411	20.0	20.7	
13 Pentane	72	2.363	2.363	0.000	95	18279	40.0	32.0	
14 Ethanol	46	2.493	2.493	0.000	89	7265	800.0	980.2	a
15 Ethyl ether	59	2.540	2.540	0.000	92	44166	20.0	19.2	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	80	41398	20.0	17.1	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	86	50587	20.0	16.6	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.616	0.000	95	77949	20.0	17.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.000	94	50036	20.0	15.9	
19 Acrolein	56	2.699	2.699	0.000	79	11960	40.0	39.4	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	95	62765	20.0	20.1	
22 Acetone	58	2.816	2.816	0.000	88	17345	100.0	90.4	
24 Isopropyl alcohol	45	2.881	2.881	0.000	99	18563	200.0	198.3	
23 Iodomethane	142	2.893	2.893	0.000	98	68871	20.0	17.8	
25 Carbon disulfide	76	2.934	2.934	0.000	99	186805	20.0	18.4	
27 Methyl acetate	43	3.040	3.040	0.000	93	49628	40.0	42.4	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	88	39186	20.0	19.9	
166 Cyclopentene	67	3.063	3.063	0.000	93	139001	20.0	17.8	
29 Acetonitrile	41	3.104	3.104	0.000	95	39411	200.0	214.1	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	160125	1000.0	1000.0	
31 Methylene Chloride	84	3.157	3.157	0.000	83	71184	20.0	20.2	
32 2-Methyl-2-propanol	59	3.187	3.187	0.000	98	38031	200.0	218.4	

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	3.304	3.304	0.000	97	147082	20.0	18.4	
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	87	67590	20.0	18.8	
35 Acrylonitrile	53	3.410	3.410	0.000	95	149831	200.0	216.9	
36 Hexane	43	3.487	3.487	0.000	88	27004	20.0	16.4	
37 Isopropyl ether	45	3.681	3.681	0.000	91	142870	20.0	21.3	
39 Vinyl acetate	86	3.734	3.734	0.000	98	24665	40.0	44.4	
38 1,1-Dichloroethane	63	3.740	3.740	0.000	75	107133	20.0	20.5	
40 2-Chloro-1,3-butadiene	88	3.781	3.781	0.000	90	55093	20.0	18.4	
41 Tert-butyl ethyl ether	59	3.999	3.999	0.000	92	150219	20.0	19.0	
* 42 2-Butanone-d5	46	4.216	4.216	0.000	0	172624	250.0	250.0	
43 2,2-Dichloropropane	97	4.228	4.228	0.000	86	24315	20.0	20.0	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	96	79378	20.0	20.7	
46 Ethyl acetate	70	4.263	4.263	0.000	95	11847	40.0	41.5	
45 2-Butanone (MEK)	72	4.263	4.263	0.000	97	24859	100.0	89.7	
47 Methyl acrylate	55	4.328	4.328	0.000	98	35664	20.0	20.5	
48 Propionitrile	54	4.410	4.410	0.000	99	53770	200.0	242.2	
50 Chlorobromomethane	128	4.493	4.493	0.000	68	38168	20.0	19.3	
49 Tetrahydrofuran	42	4.504	4.504	0.000	49	26904	40.0	36.9	a
51 Methacrylonitrile	67	4.522	4.522	0.000	87	199377	200.0	197.3	
52 Chloroform	83	4.540	4.540	0.000	98	123484	20.0	20.1	
53 Cyclohexane	56	4.687	4.687	0.000	85	66624	20.0	16.6	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	183385	50.0	53.9	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	95	106974	20.0	19.4	
56 Carbon tetrachloride	117	4.822	4.822	0.000	97	96009	20.0	19.3	
57 1,1-Dichloropropene	75	4.863	4.863	0.000	97	82606	20.0	19.5	
58 Isobutyl alcohol	43	4.951	4.951	0.000	94	29938	500.0	526.7	
59 Isooctane	57	5.028	5.028	0.000	97	97604	20.0	16.3	
60 Benzene	78	5.069	5.069	0.000	94	253692	20.0	19.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	158942	50.0	50.7	
62 Isopropyl acetate	61	5.098	5.098	0.000	97	19497	20.0	17.7	
63 Tert-amyl methyl ether	87	5.110	5.110	0.000	96	53341	20.0	19.2	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	97	76433	20.0	19.4	
65 n-Heptane	71	5.216	5.216	0.000	80	28832	20.0	15.8	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	607071	50.0	50.0	
67 n-Butanol	56	5.681	5.681	0.000	86	22184	500.0	500.3	
68 Trichloroethene	95	5.757	5.757	0.000	95	66133	20.0	18.8	
69 Ethyl acrylate	99	5.875	5.875	0.000	93	8304	20.0	16.4	
70 Methylcyclohexane	83	5.898	5.898	0.000	88	72765	20.0	15.0	
71 1,2-Dichloropropane	63	6.075	6.075	0.000	88	58109	20.0	21.0	
* 73 1,4-Dioxane-d8	96	6.140	6.140	0.000	0	27394	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.151	0.000	78	63713	40.0	36.0	
74 n-Propyl acetate	43	6.210	6.210	0.000	96	49663	20.0	19.7	
75 1,4-Dioxane	88	6.198	6.198	0.000	33	12037	400.0	442.1	
76 Dibromomethane	93	6.228	6.228	0.000	96	42666	20.0	19.9	
77 Dichlorobromomethane	83	6.381	6.381	0.000	98	90347	20.0	21.5	
79 2-Nitropropane	41	6.763	6.763	0.000	98	18825	40.0	32.6	
80 Epichlorohydrin	57	6.892	6.892	0.000	98	58788	400.0	334.0	
81 cis-1,3-Dichloropropene	75	6.951	6.951	0.000	89	101782	20.0	20.0	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	96	157297	100.0	94.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	100	636491	50.0	50.3	
84 Toluene	91	7.316	7.316	0.000	94	274267	20.0	18.3	
86 trans-1,3-Dichloropropene	75	7.722	7.722	0.000	97	87439	20.0	18.8	

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	7.751	7.751	0.000	84	59417	20.0	17.4	
87 1,1,2-Trichloroethane	83	7.981	7.981	0.000	95	47224	20.0	19.5	
88 Tetrachloroethene	166	8.039	8.039	0.000	93	71063	20.0	18.4	
89 1,3-Dichloropropane	76	8.263	8.263	0.000	89	89536	20.0	19.8	
90 2-Hexanone	58	8.339	8.339	0.000	93	64951	100.0	99.6	
91 n-Butyl acetate	73	8.498	8.498	0.000	95	11815	20.0	18.1	
92 Chlorodibromomethane	129	8.569	8.569	0.000	95	78863	20.0	21.8	
93 Ethylene Dibromide	107	8.763	8.763	0.000	97	58721	20.0	19.4	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	495668	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	98	198930	20.0	20.1	
96 Ethylbenzene	106	9.439	9.439	0.000	97	101887	20.0	18.5	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	96	73414	20.0	19.6	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	120828	20.0	18.2	
99 n-Butyl acrylate	73	9.933	9.933	0.000	97	31879	20.0	14.3	
100 o-Xylene	106	9.951	9.951	0.000	95	122636	20.0	18.9	
101 Styrene	104	9.975	9.975	0.000	96	199767	20.0	18.1	
102 Amyl acetate (mixed isomers)	43	10.128	10.128	0.000	93	59840	20.0	16.0	
103 Bromoform	173	10.157	10.157	0.000	94	47665	20.0	20.6	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	272690	20.0	18.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	93	197195	50.0	48.1	
107 Bromobenzene	156	10.527	10.527	0.000	90	85115	20.0	18.3	
106 1,1,2,2-Tetrachloroethane	83	10.557	10.557	0.000	97	62470	20.0	17.3	
108 N-Propylbenzene	91	10.575	10.575	0.000	99	353810	20.0	16.9	
110 1,2,3-Trichloropropane	110	10.592	10.592	0.000	92	21342	20.0	18.0	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.604	0.000	91	14453	20.0	17.3	
112 2-Chlorotoluene	91	10.657	10.657	0.000	93	248979	20.0	17.1	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	311825	20.0	16.9	
113 1,3,5-Trimethylbenzene	105	10.710	10.710	0.000	94	265229	20.0	17.8	
115 4-Chlorotoluene	91	10.739	10.739	0.000	95	226001	20.0	17.8	
114 Butyl Methacrylate	87	10.775	10.775	0.000	84	75380	20.0	15.4	
116 tert-Butylbenzene	119	10.927	10.927	0.000	95	228201	20.0	17.3	
117 1,2,4-Trimethylbenzene	105	10.969	10.969	0.000	96	267046	20.0	16.8	
118 sec-Butylbenzene	134	11.075	11.075	0.000	99	68761	20.0	17.1	
119 4-Isopropyltoluene	119	11.163	11.163	0.000	98	300750	20.0	16.9	
120 1,3-Dichlorobenzene	146	11.175	11.175	0.000	98	184690	20.0	19.6	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	93	294316	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.239	11.239	0.000	95	188903	20.0	19.6	
123 1,2,3-Trimethylbenzene	105	11.251	11.251	0.000	98	286144	20.0	17.2	
124 Benzyl chloride	91	11.339	11.339	0.000	99	110445	20.0	14.8	
162 2,3-Dihydroindene	117	11.386	11.386	0.000	93	276596	20.0	18.5	
164 p-Diethylbenzene	119	11.416	11.416	0.000	95	192514	20.0	18.1	
127 n-Butylbenzene	92	11.433	11.433	0.000	97	139987	20.0	17.6	
128 1,2-Dichlorobenzene	146	11.498	11.498	0.000	98	199396	20.0	23.4	
163 1,2,4,5-Tetramethylbenzene	119	11.969	11.969	0.000	97	264809	20.0	16.9	
130 1,2-Dibromo-3-Chloropropane	157	12.069	12.069	0.000	90	13925	20.0	18.6	
131 1,3,5-Trichlorobenzene	180	12.174	12.174	0.000	97	115972	20.0	18.0	
132 1,2,4-Trichlorobenzene	180	12.704	12.704	0.000	94	94326	20.0	17.0	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	87	36814	20.0	18.3	
134 Naphthalene	128	12.951	12.951	0.000	99	172320	20.0	15.1	
135 1,2,3-Trichlorobenzene	180	13.180	13.180	0.000	95	80083	20.0	17.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.5	
S 137 Xylenes, Total	100				0		40.0	37.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00631	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00181	Amount Added:	4.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Mar-2025 12:45:23 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23683.D

Injection Date: 19-Mar-2025 07:49:30 Instrument ID: CVOAMS1 Operator ID:

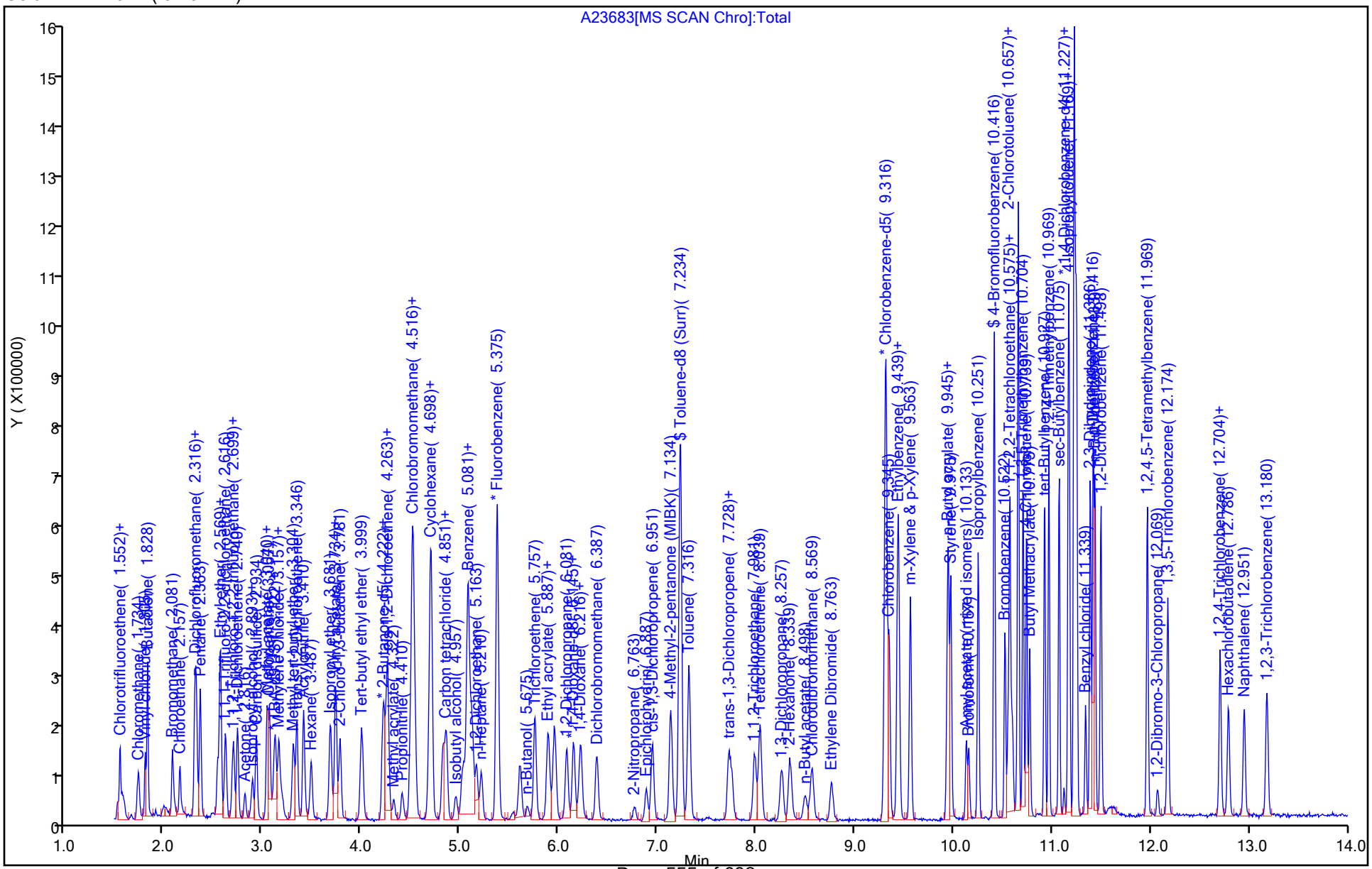
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

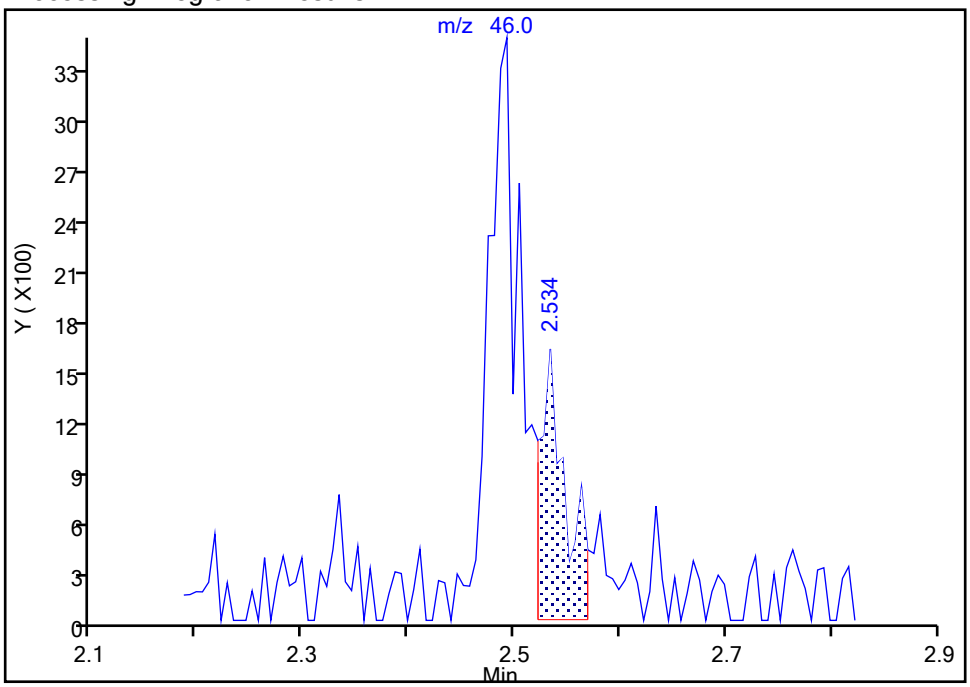
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23683.D
Injection Date: 19-Mar-2025 07:49:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

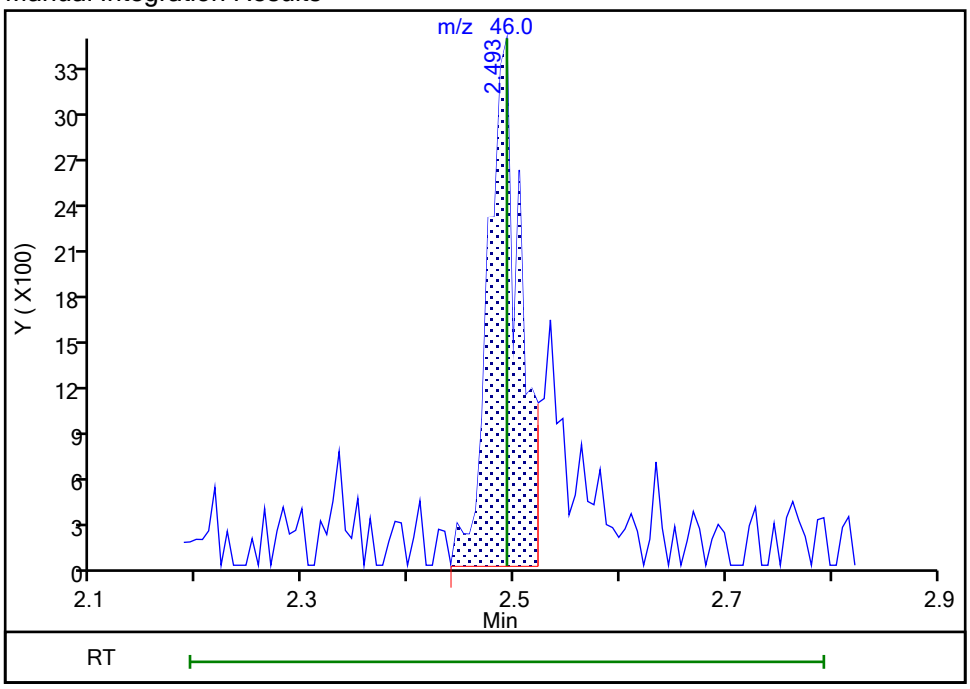
Processing Integration Results

RT: 2.53
Area: 2704
Amount: 366.2000
Amount Units: ug/l



Manual Integration Results

RT: 2.49
Area: 7265
Amount: 980.2217
Amount Units: ug/l



Reviewer: NN6A, 20-Mar-2025 12:44:43 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

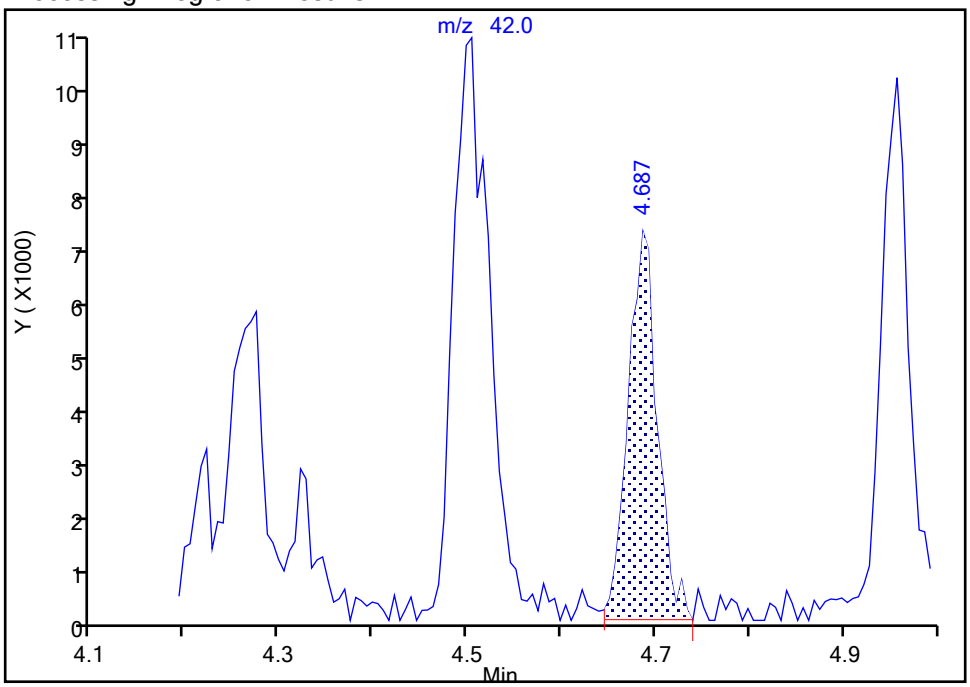
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23683.D
Injection Date: 19-Mar-2025 07:49:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

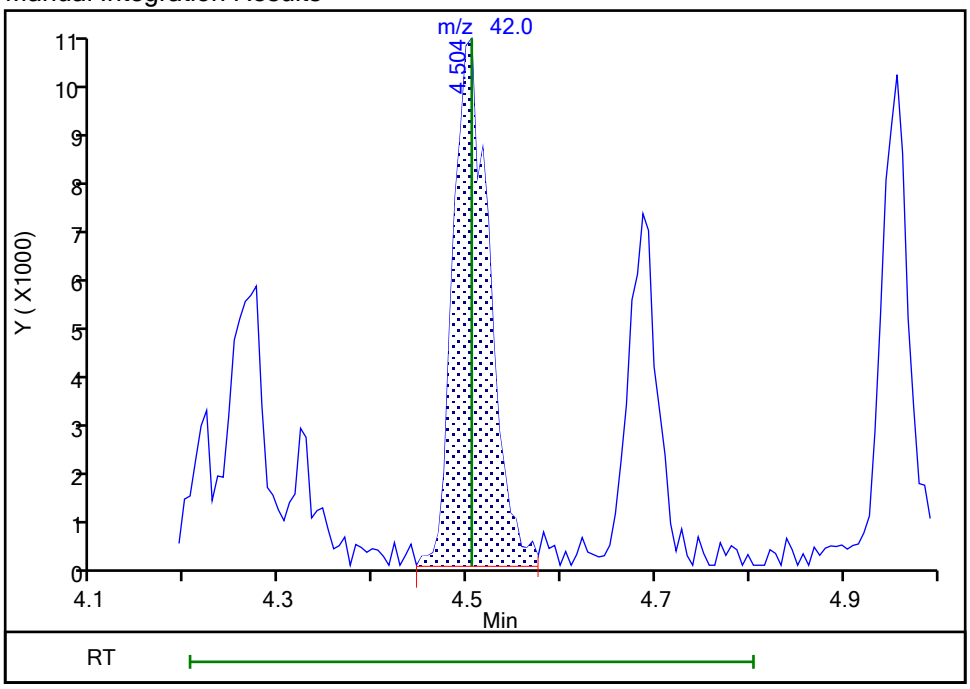
Processing Integration Results

RT: 4.69
Area: 14437
Amount: 19.791214
Amount Units: ug/l



Manual Integration Results

RT: 4.50
Area: 26904
Amount: 36.881819
Amount Units: ug/l



Reviewer: FK2C, 19-Mar-2025 09:14:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

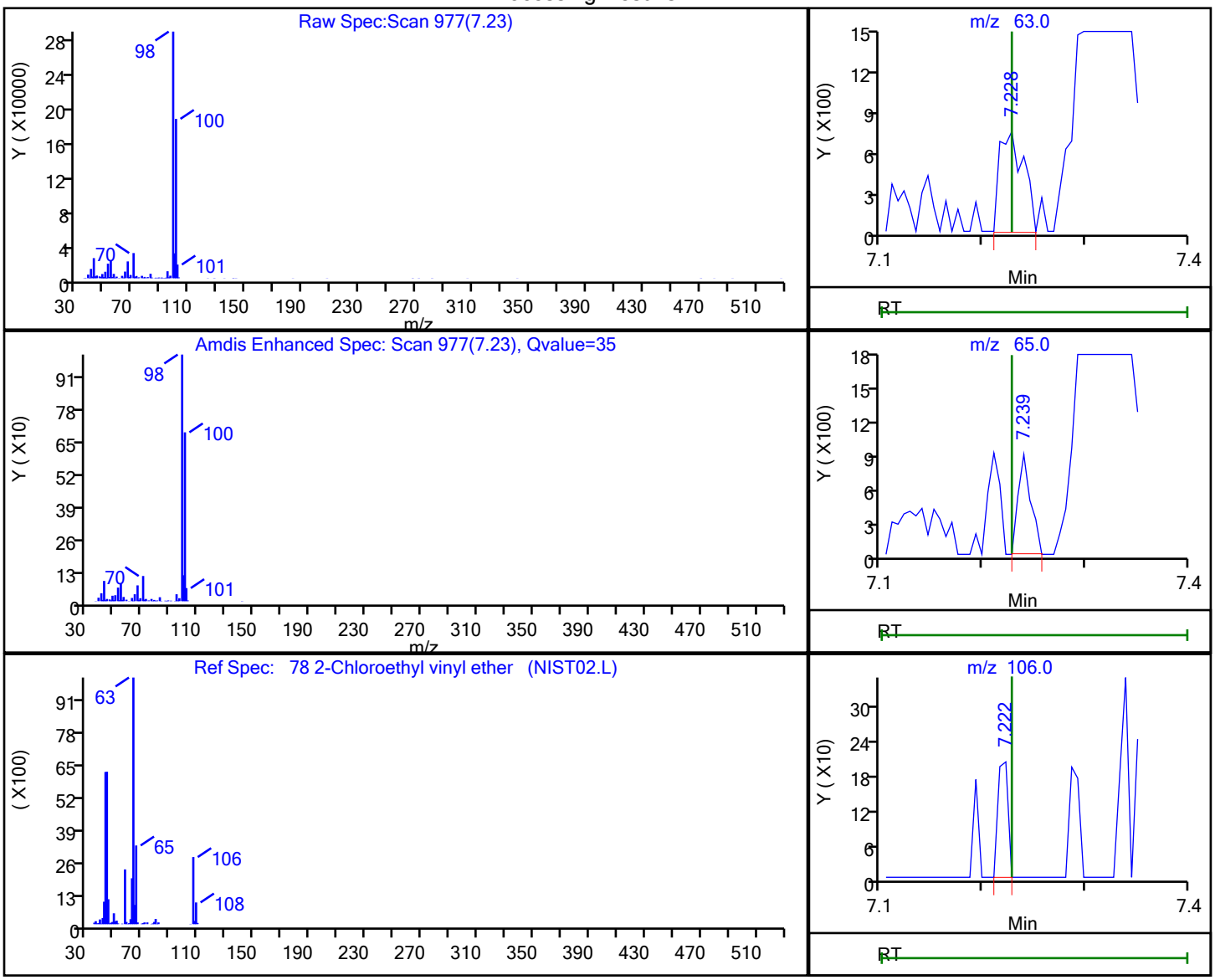
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23683.D
Injection Date: 19-Mar-2025 07:49:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
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 - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

78 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
7.23	63.00	1212	6.212265
7.24	65.00	777	
7.22	106.00	136	

Reviewer: NN6A, 20-Mar-2025 12:45:07 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22877A.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	01-Mar-2025 13:51:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0187452-001				
Operator ID:		Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\8260624W_1.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	03-Mar-2025 16:59:46	Calib Date:	01-Mar-2025 18:32:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1720				
First Level Reviewer: RD6L		Date:	01-Mar-2025 14:05:15		

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:

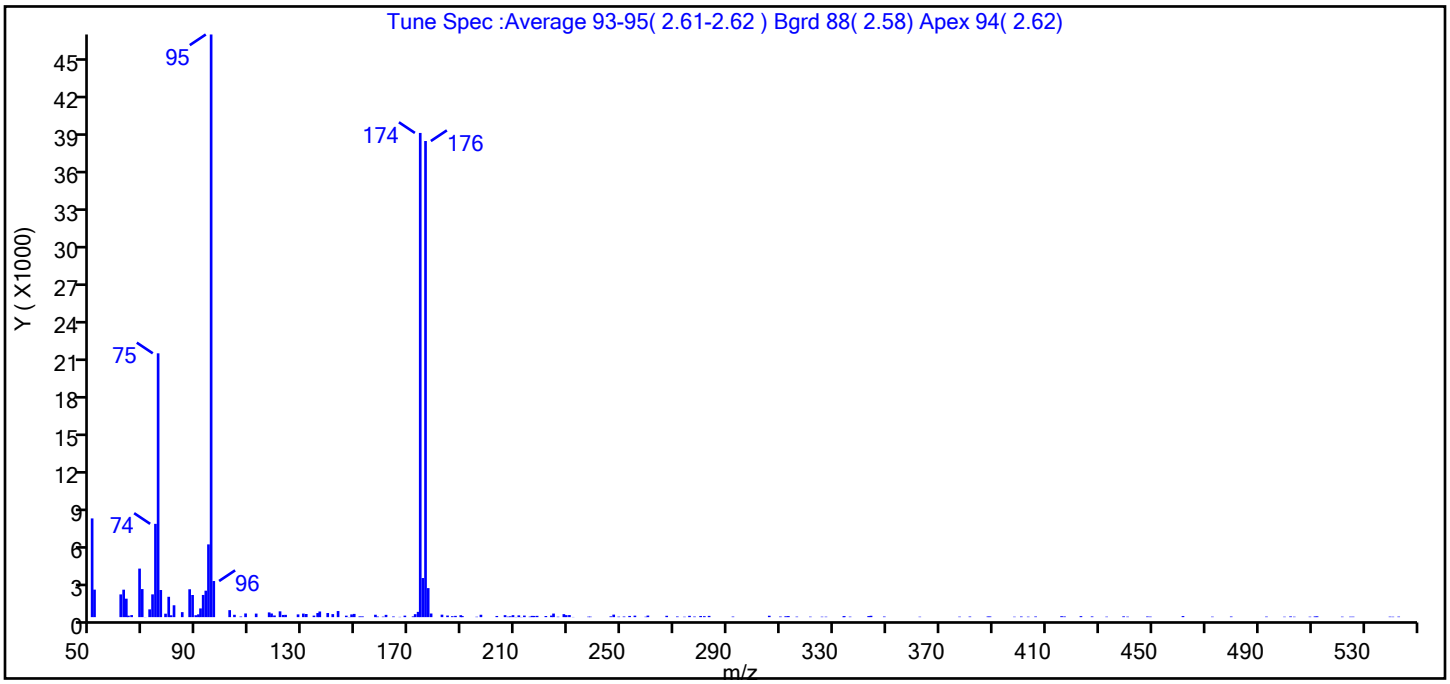
BFB_00038 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22877A.D
Injection Date: 01-Mar-2025 13:51:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (120.3)
96	5 to 9% of m/z 95	6.2
173	<2% of m/z 174	0.9 (1.1)
174	50 to 200% of m/z 95	83.1
175	5 to 9% of m/z 174	6.7 (8.1)
176	95 to 105% of m/z 174	81.7 (98.3)
177	5 to 10% of m/z 176	5.0 (6.1)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22877A.D\8260624W_1.rslt\spectra.d
Injection Date: 01-Mar-2025 13:51:30
Spectrum: Tune Spec :Average 93-95(2.61-2.62) Bgrd 88(2.58) Apex 94(2.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 169

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	7910	131.00	252	210.00	14	334.00	47
51.00	2204	134.00	123	211.00	141	334.00	81
61.00	1822	135.00	330	212.00	13	336.00	39
62.00	2200	136.00	453	213.00	125	343.00	85
63.00	1480	139.00	330	215.00	41	344.00	109
64.00	121	141.00	244	216.00	102	349.00	49
65.00	164	143.00	489	217.00	96	362.00	34
68.00	3889	146.00	118	218.00	103	377.00	39
69.00	2249	147.00	13	221.00	90	381.00	48
70.00	9	148.00	220	223.00	124	388.00	54
72.00	624	149.00	260	224.00	287	389.00	53
73.00	1825	151.00	61	226.00	34	398.00	34
74.00	7474	152.00	60	228.00	240	401.00	50
75.00	21136	157.00	192	229.00	160	403.00	38
76.00	2174	158.00	49	230.00	168	406.00	53
78.00	276	160.00	41	232.00	14	416.00	76
79.00	1631	161.00	184	237.00	38	417.00	54
80.00	149	164.00	52	238.00	38	423.00	80
81.00	951	166.00	21	246.00	62	427.00	57
84.00	401	168.00	121	247.00	202	433.00	38
87.00	2233	169.00	1	249.00	40	439.00	63
88.00	1774	171.00	60	251.00	50	441.00	40
89.00	153	172.00	238	253.00	97	448.00	54
90.00	223	173.00	422	255.00	119	449.00	42
91.00	699	174.00	38792	259.00	34	462.00	86
92.00	1778	175.00	3133	260.00	125	473.00	39
93.00	2121	176.00	38144	267.00	108	480.00	50
94.00	5829	177.00	2326	271.00	54	493.00	44
95.00	46680	178.00	292	274.00	33	500.00	34
96.00	2894	182.00	199	276.00	105	502.00	59
102.00	561	183.00	1	277.00	48	504.00	35
104.00	189	184.00	128	280.00	93	510.00	37
106.00	50	186.00	75	281.00	77	512.00	57

Report Date: 03-Mar-2025 16:59:46 Chrom Revision: 2.3 18-Feb-2025 08:41:40
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22877A.D\8260624W_1.rslt\spectra.d
Injection Date: 01-Mar-2025 13:51:30
Spectrum: Tune Spec :Average 93-95(2.61-2.62) Bgrd 88(2.58) Apex 94(2.62)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 169

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	295	187.00	102	283.00	101	512.00	66
112.00	285	189.00	156	292.00	46	522.00	38
117.00	379	190.00	85	306.00	111	525.00	37
118.00	293	195.00	32	310.00	48	526.00	38
119.00	133	197.00	191	312.00	69	540.00	40
121.00	465	203.00	94	313.00	85	541.00	34
122.00	176	206.00	158	316.00	41	543.00	43
123.00	184	207.00	40	321.00	38		
128.00	221	208.00	65	326.00	36		
130.00	285	209.00	158	327.00	36		

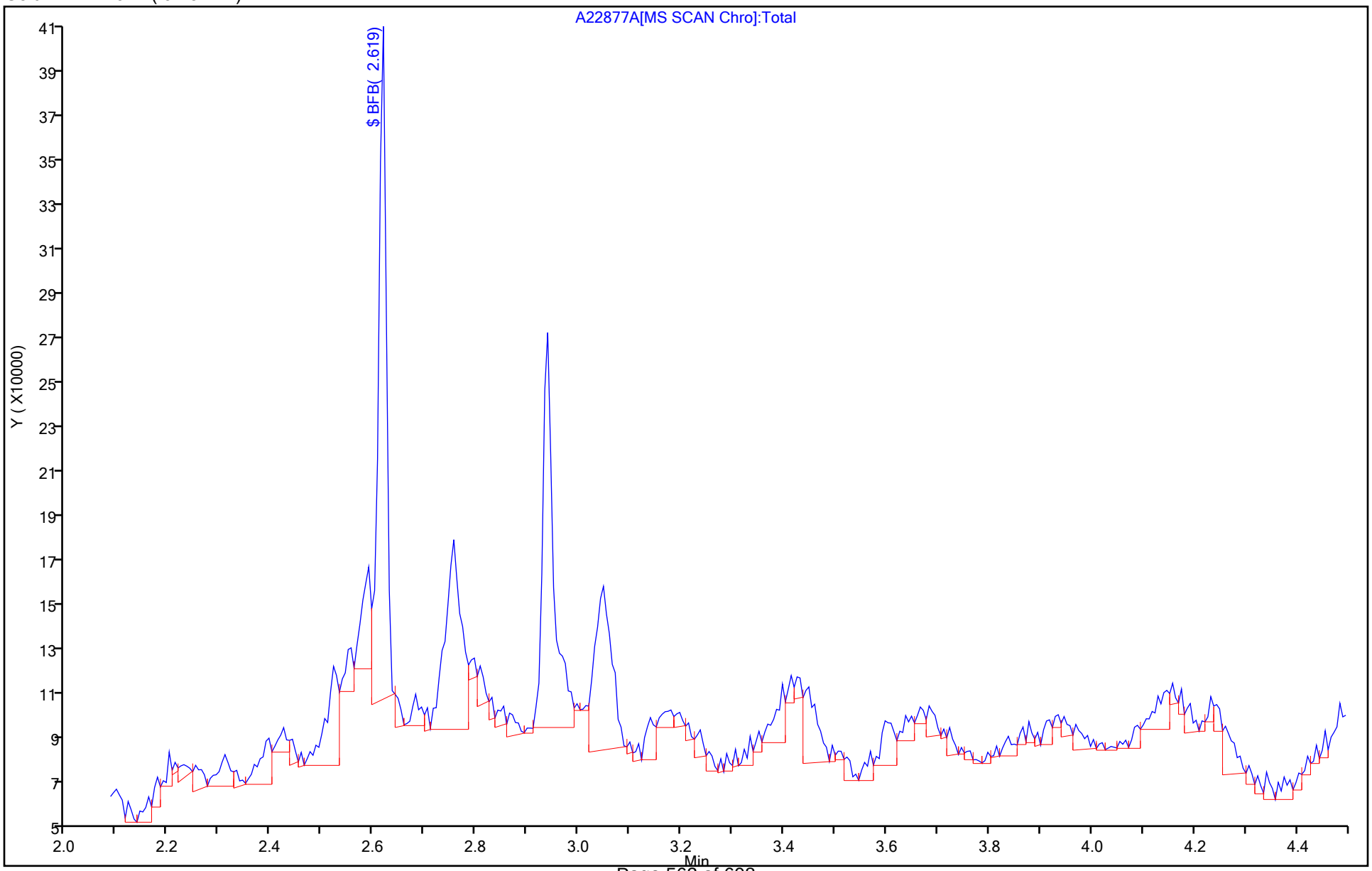
Report Date: 03-Mar-2025 16:59:46 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22877A.D

Injection Date:	01-Mar-2025 13:51:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-1026611/9

Matrix: Water | Lab File ID: A23689.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 10:16

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

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	0.20	U	0.20	0.085
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	0.19
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	0.30	U	0.30	0.087
78-87-5	1,2-Dichloropropane	0.92	U	0.92	0.074
75-27-4	Dichlorobromomethane	0.98	U	0.98	0.15
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.069
124-48-1	Chlorodibromomethane	0.78	U	0.78	0.086
75-09-2	Methylene Chloride	1.0	U	1.0	0.65
127-18-4	Tetrachloroethene	0.40	U	0.40	0.28
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.45	U	0.45	0.12
79-01-6	Trichloroethene	0.28	U	0.28	0.074
75-01-4	Vinyl chloride	1.0	U	1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-128
460-00-4	4-Bromofluorobenzene	89		76-120
1868-53-7	Dibromofluoromethane (Surr)	107		77-132
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23689.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Mar-2025 10:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0188137-009
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 11:59:46 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1707

First Level Reviewer: FK2C Date: 19-Mar-2025 11:16:10

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	3.122	3.122	0.000	0	143498	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.216	4.216	0.000	0	156496	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	167326	50.0	53.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	150772	50.0	52.5	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	557040	50.0	50.0	
* 73 1,4-Dioxane-d8	96	6.145	6.140	0.005	0	22698	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	587692	50.0	52.0	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	84	443195	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	90	163062	50.0	44.5	
120 1,3-Dichlorobenzene	146	11.180	11.175	0.006	89	3009		0.4021	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	95	234136	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.245	11.239	0.006	82	6277		0.8199	a
128 1,2-Dichlorobenzene	146	11.492	11.498	-0.006	95	16077		2.37	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 19-Mar-2025 12:00:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23689.D

Injection Date: 19-Mar-2025 10:16:30 Instrument ID: CVOAMS1 Operator ID:

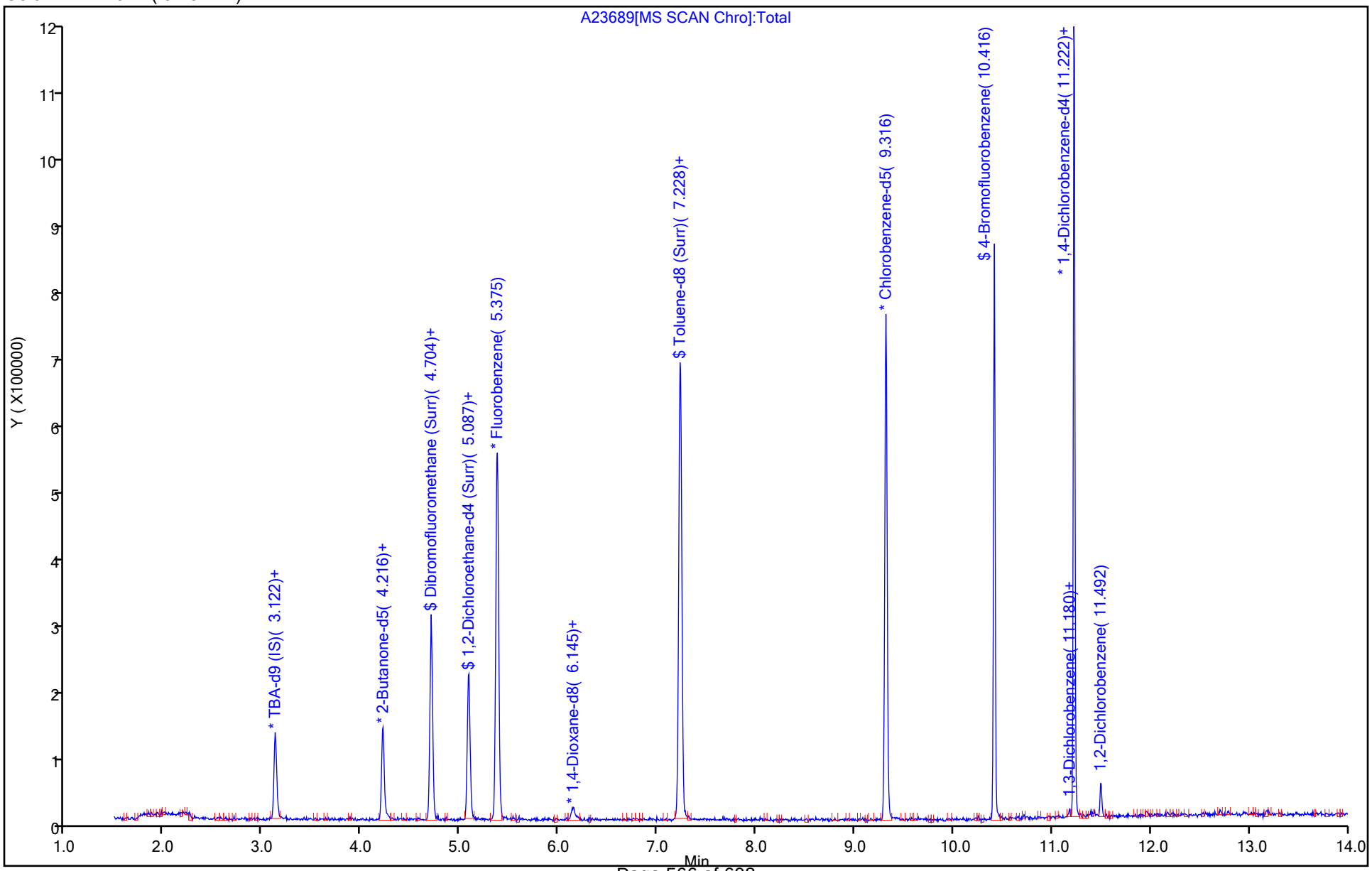
Lims ID: MB Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Report Date: 19-Mar-2025 12:00:53 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23689.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 19-Mar-2025 10:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0188137-009
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 19-Mar-2025 11:59:46 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1707

First Level Reviewer: FK2C Date: 19-Mar-2025 11:16:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.6	107.15
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	52.5	104.92
$ 83 Toluene-d8 (Surr)	50.0	52.0	103.99
$ 105 4-Bromofluorobenzene	50.0	44.5	88.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-1026611/4

Matrix: Water | Lab File ID: A23684.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 08:14

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.2		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.20	0.085
79-00-5	1,1,2-Trichloroethane	19.9		0.58	0.19
75-34-3	1,1-Dichloroethane	21.0		1.0	0.26
75-35-4	1,1-Dichloroethene	19.5		1.0	0.26
107-06-2	1,2-Dichloroethane	19.4		0.30	0.087
78-87-5	1,2-Dichloropropane	21.9		0.92	0.074
75-27-4	Dichlorobromomethane	22.1		0.98	0.15
56-23-5	Carbon tetrachloride	20.0		1.0	0.21
108-90-7	Chlorobenzene	20.6		1.0	0.38
75-00-3	Chloroethane	23.7		1.0	0.32
67-66-3	Chloroform	19.5		1.0	0.33
74-87-3	Chloromethane	24.4		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	20.0		0.45	0.069
124-48-1	Chlorodibromomethane	21.6		0.78	0.086
75-09-2	Methylene Chloride	20.7		1.0	0.65
127-18-4	Tetrachloroethene	18.0		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.4		0.45	0.12
79-01-6	Trichloroethene	20.1		0.28	0.074
75-01-4	Vinyl chloride	23.2		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-128
460-00-4	4-Bromofluorobenzene	98		76-120
1868-53-7	Dibromofluoromethane (Surr)	111		77-132
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23684.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Mar-2025 08:14:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0188137-004
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:46:26 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: FK2C Date: 19-Mar-2025 09:18:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	83	9163	20.0	9.32	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	98	76926	20.0	13.6	
165 Chlorodifluoromethane	51	1.575	1.569	0.006	77	55181	20.0	14.5	
6 Chloromethane	50	1.734	1.734	0.000	98	92540	20.0	24.4	
7 Vinyl chloride	62	1.805	1.805	-0.001	97	97287	20.0	23.2	
172 Butadiene	39	1.828	1.828	0.000	92	70683	20.0	21.7	
9 Bromomethane	94	2.081	2.081	0.000	98	70997	20.0	23.3	
10 Chloroethane	64	2.157	2.157	0.000	99	72235	20.0	23.7	
174 Dichlorofluoromethane	67	2.310	2.305	0.006	98	137209	20.0	20.8	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	108612	20.0	18.4	
13 Pentane	72	2.363	2.363	0.000	97	19778	40.0	36.1	
14 Ethanol	46	2.493	2.493	0.000	98	7079	800.0	997.3	a
15 Ethyl ether	59	2.540	2.540	0.000	91	45273	20.0	19.7	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	82	44773	20.0	18.5	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	87	53139	20.0	17.4	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.616	0.000	95	78959	20.0	17.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.000	96	57988	20.0	18.5	
19 Acrolein	56	2.704	2.699	0.005	42	11845	40.0	40.7	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	96	60929	20.0	19.5	
22 Acetone	58	2.816	2.816	0.000	89	18157	100.0	94.7	
24 Isopropyl alcohol	45	2.875	2.881	-0.006	99	21543	200.0	242.5	
23 Iodomethane	142	2.893	2.893	0.000	100	71235	20.0	18.5	
25 Carbon disulfide	76	2.928	2.934	-0.006	99	193621	20.0	19.1	
27 Methyl acetate	43	3.040	3.040	0.000	91	50373	40.0	45.0	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	84	35776	20.0	18.2	
166 Cyclopentene	67	3.063	3.063	0.000	93	149120	20.0	19.1	
29 Acetonitrile	41	3.104	3.104	0.000	90	33285	200.0	188.8	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	153343	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.157	0.006	83	72656	20.0	20.7	
32 2-Methyl-2-propanol	59	3.193	3.187	0.006	97	34427	200.0	206.4	
33 Methyl tert-butyl ether	73	3.304	3.304	0.000	96	150833	20.0	18.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	87	71176	20.0	19.8	
35 Acrylonitrile	53	3.410	3.410	0.000	93	147462	200.0	213.7	
36 Hexane	43	3.487	3.487	0.000	90	29446	20.0	17.9	
37 Isopropyl ether	45	3.681	3.681	0.000	93	144465	20.0	21.5	
39 Vinyl acetate	86	3.740	3.734	0.006	98	22960	40.0	43.1	
38 1,1-Dichloroethane	63	3.734	3.740	-0.006	76	109730	20.0	21.0	
40 2-Chloro-1,3-butadiene	88	3.781	3.781	0.000	89	60621	20.0	20.2	
41 Tert-butyl ethyl ether	59	3.998	3.999	0.000	90	152429	20.0	19.3	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	172440	250.0	250.0	
43 2,2-Dichloropropane	97	4.228	4.228	0.000	93	25503	20.0	21.0	
44 cis-1,2-Dichloroethene	96	4.263	4.257	0.006	98	75514	20.0	19.7	
46 Ethyl acetate	70	4.263	4.263	0.000	93	10182	40.0	35.7	
45 2-Butanone (MEK)	72	4.269	4.263	0.006	98	22665	100.0	81.8	
47 Methyl acrylate	55	4.328	4.328	0.000	98	34813	20.0	20.0	
48 Propionitrile	54	4.410	4.410	0.000	97	55300	200.0	260.1	
50 Chlorobromomethane	128	4.493	4.493	0.000	72	40276	20.0	20.4	
49 Tetrahydrofuran	42	4.504	4.504	0.000	55	27988	40.0	38.4	
51 Methacrylonitrile	67	4.516	4.522	-0.006	86	199087	200.0	197.2	
52 Chloroform	83	4.540	4.540	0.000	99	119660	20.0	19.5	
53 Cyclohexane	56	4.693	4.687	0.006	84	72010	20.0	17.9	
54 1,1,1-Trichloroethane	97	4.704	4.698	0.006	94	105875	20.0	19.2	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	94	189287	50.0	55.7	
56 Carbon tetrachloride	117	4.828	4.822	0.006	97	99832	20.0	20.0	
57 1,1-Dichloropropene	75	4.857	4.863	-0.006	96	83241	20.0	19.7	
58 Isobutyl alcohol	43	4.957	4.951	0.006	94	28898	500.0	530.8	
59 Isooctane	57	5.022	5.028	-0.006	98	101167	20.0	16.9	
60 Benzene	78	5.069	5.069	0.000	95	252784	20.0	19.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.087	5.081	0.006	0	161275	50.0	51.5	
62 Isopropyl acetate	61	5.098	5.098	0.000	53	21578	20.0	19.9	
63 Tert-amyl methyl ether	87	5.116	5.110	0.006	96	53745	20.0	19.4	
64 1,2-Dichloroethane	62	5.169	5.163	0.006	97	76399	20.0	19.4	
65 n-Heptane	71	5.210	5.216	-0.006	82	30152	20.0	16.5	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	606465	50.0	50.0	
67 n-Butanol	56	5.675	5.681	-0.006	88	17488	500.0	409.1	
68 Trichloroethene	95	5.751	5.757	-0.006	95	70664	20.0	20.1	
69 Ethyl acrylate	99	5.881	5.875	0.006	92	7873	20.0	15.6	
70 Methylcyclohexane	83	5.892	5.898	-0.006	86	81643	20.0	16.9	
71 1,2-Dichloropropane	63	6.081	6.075	0.006	93	60503	20.0	21.9	
* 73 1,4-Dioxane-d8	96	6.151	6.140	0.011	0	25495	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.151	0.000	77	67122	40.0	38.0	
75 1,4-Dioxane	88	6.204	6.198	0.006	62	12375	400.0	492.3	
74 n-Propyl acetate	43	6.210	6.210	0.000	96	47584	20.0	18.9	
76 Dibromomethane	93	6.222	6.228	-0.006	96	46094	20.0	21.6	
77 Dichlorobromomethane	83	6.387	6.381	0.006	98	92872	20.0	22.1	
79 2-Nitropropane	41	6.763	6.763	0.000	98	20045	40.0	34.7	
80 Epichlorohydrin	57	6.881	6.892	-0.011	98	57707	400.0	328.3	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	89	101326	20.0	20.0	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	93	159140	100.0	95.2	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	653014	50.0	51.9	
84 Toluene	91	7.316	7.316	0.000	92	280632	20.0	18.8	
86 trans-1,3-Dichloropropene	75	7.716	7.722	-0.006	97	85312	20.0	18.4	
85 Ethyl methacrylate	69	7.745	7.751	-0.006	84	59479	20.0	17.5	

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	7.986	7.981	0.005	93	47992	20.0	19.9	
88 Tetrachloroethene	166	8.045	8.039	0.006	94	69345	20.0	18.0	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	88	88183	20.0	19.6	
90 2-Hexanone	58	8.339	8.339	0.000	93	61445	100.0	94.3	
91 n-Butyl acetate	73	8.498	8.498	0.000	97	11507	20.0	17.7	
92 Chlorodibromomethane	129	8.563	8.569	-0.006	96	77603	20.0	21.6	
93 Ethylene Dibromide	107	8.769	8.763	0.006	98	60265	20.0	20.0	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	493242	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	99	202722	20.0	20.6	
96 Ethylbenzene	106	9.433	9.439	-0.006	97	101105	20.0	18.4	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	96	75472	20.0	20.2	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	123965	20.0	18.8	
99 n-Butyl acrylate	73	9.933	9.933	0.000	99	32801	20.0	14.8	
100 o-Xylene	106	9.951	9.951	0.000	95	123624	20.0	19.2	
101 Styrene	104	9.975	9.975	0.000	96	204862	20.0	18.6	
102 Amyl acetate (mixed isomers)	43	10.133	10.128	0.005	92	62283	20.0	16.7	
103 Bromoform	173	10.157	10.157	0.000	94	46777	20.0	20.3	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	286785	20.0	19.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	93	200138	50.0	49.0	
107 Bromobenzene	156	10.522	10.527	-0.005	90	81250	20.0	17.5	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.557	-0.006	98	64785	20.0	18.0	
108 N-Propylbenzene	91	10.575	10.575	0.000	100	356098	20.0	17.0	
110 1,2,3-Trichloropropane	110	10.592	10.592	0.000	95	20316	20.0	17.1	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.604	0.000	79	14350	20.0	17.2	
112 2-Chlorotoluene	91	10.657	10.657	0.000	91	248901	20.0	17.1	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	313049	20.0	17.0	
113 1,3,5-Trimethylbenzene	105	10.704	10.710	-0.006	94	259356	20.0	17.4	
115 4-Chlorotoluene	91	10.745	10.739	0.006	95	224179	20.0	17.6	
114 Butyl Methacrylate	87	10.775	10.775	0.000	84	76336	20.0	15.6	
116 tert-Butylbenzene	119	10.922	10.927	-0.005	96	232497	20.0	17.6	
117 1,2,4-Trimethylbenzene	105	10.969	10.969	0.000	96	264170	20.0	16.6	
118 sec-Butylbenzene	134	11.069	11.075	-0.006	99	71244	20.0	17.7	
119 4-Isopropyltoluene	119	11.163	11.163	0.000	98	304301	20.0	17.1	
120 1,3-Dichlorobenzene	146	11.174	11.175	0.000	97	182699	20.0	19.4	
* 121 1,4-Dichlorobenzene-d4	152	11.222	11.227	-0.005	93	294059	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.239	11.239	0.000	95	187795	20.0	19.5	
123 1,2,3-Trimethylbenzene	105	11.251	11.251	0.000	97	288963	20.0	17.4	
124 Benzyl chloride	91	11.339	11.339	0.000	99	109221	20.0	14.7	
162 2,3-Dihydroindene	117	11.386	11.386	0.000	94	275687	20.0	18.5	
164 p-Diethylbenzene	119	11.416	11.416	0.000	93	191192	20.0	18.0	
127 n-Butylbenzene	92	11.433	11.433	0.000	96	142709	20.0	17.9	
128 1,2-Dichlorobenzene	146	11.498	11.498	0.000	97	194985	20.0	22.9	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.969	-0.006	97	265725	20.0	17.0	
130 1,2-Dibromo-3-Chloropropane	157	12.069	12.069	0.000	91	14124	20.0	18.8	
131 1,3,5-Trichlorobenzene	180	12.174	12.174	0.000	97	116876	20.0	18.2	
132 1,2,4-Trichlorobenzene	180	12.704	12.704	0.000	94	94750	20.0	17.1	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	89	35919	20.0	17.9	
134 Naphthalene	128	12.945	12.951	-0.006	98	177391	20.0	15.6	
135 1,2,3-Trichlorobenzene	180	13.180	13.180	0.000	96	82671	20.0	17.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.5	
S 137 Xylenes, Total	100				0		40.0	37.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00181	Amount Added:	4.00	Units: uL	
GASES Li_00631	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Mar-2025 12:46:26 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23684.D

Injection Date: 19-Mar-2025 08:14:30 Instrument ID: CVOAMS1 Operator ID:

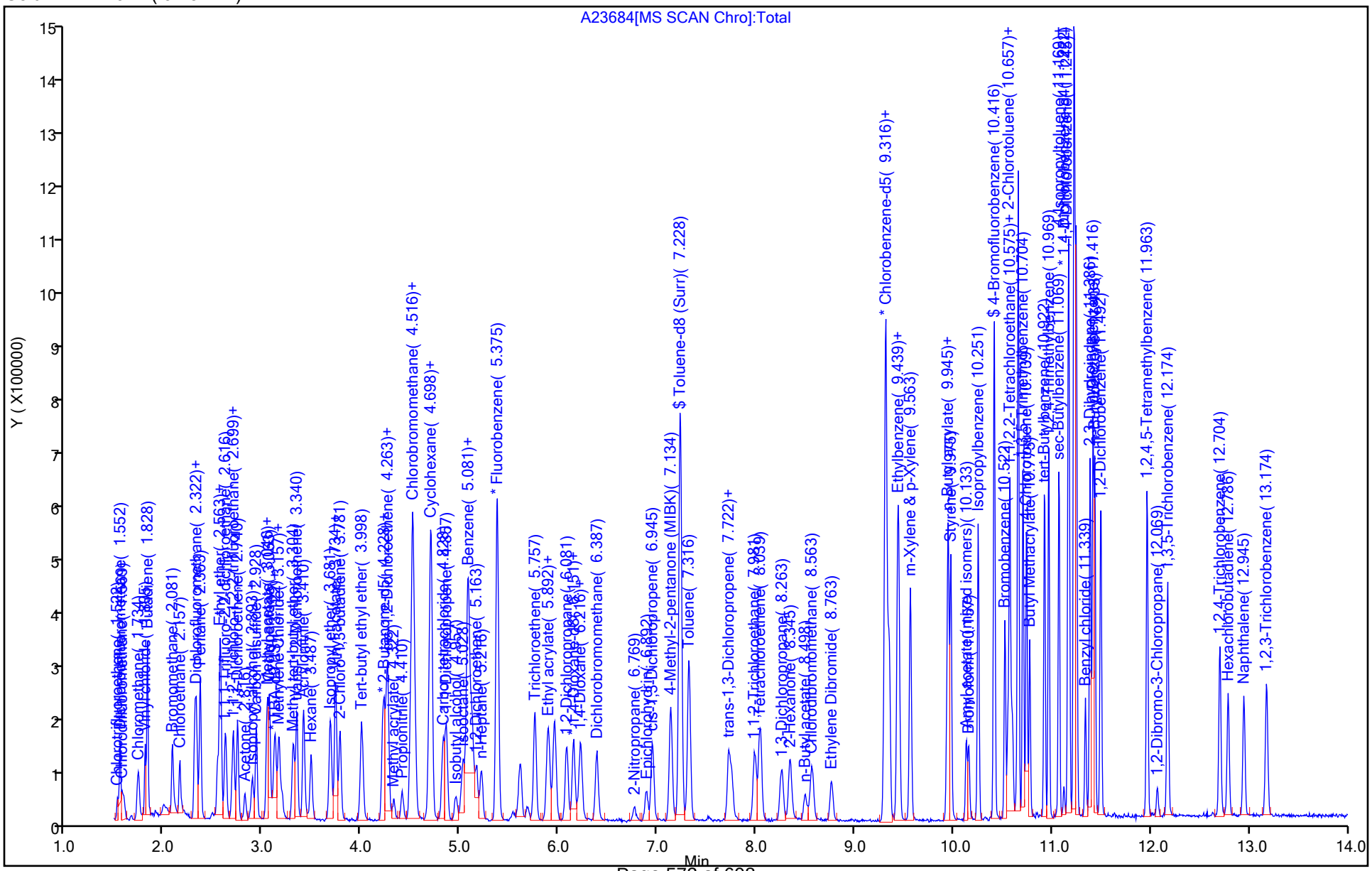
Lims ID: LCS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23684.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Mar-2025 08:14:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0188137-004
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:46:26 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: FK2C Date: 19-Mar-2025 09:18:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	55.7	111.34
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	51.5	103.09
$ 83 Toluene-d8 (Surr)	50.0	51.9	103.82
$ 105 4-Bromofluorobenzene	50.0	49.0	98.06

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-1026611/5

Matrix: Water | Lab File ID: A23685.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 08:38

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.3		0.20	0.085
79-00-5	1,1,2-Trichloroethane	19.8		0.58	0.19
75-34-3	1,1-Dichloroethane	22.0		1.0	0.26
75-35-4	1,1-Dichloroethene	20.4		1.0	0.26
107-06-2	1,2-Dichloroethane	19.7		0.30	0.087
78-87-5	1,2-Dichloropropane	22.8		0.92	0.074
75-27-4	Dichlorobromomethane	22.8		0.98	0.15
56-23-5	Carbon tetrachloride	20.6		1.0	0.21
108-90-7	Chlorobenzene	21.1		1.0	0.38
75-00-3	Chloroethane	23.8		1.0	0.32
67-66-3	Chloroform	20.7		1.0	0.33
74-87-3	Chloromethane	24.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.7		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	20.6		0.45	0.069
124-48-1	Chlorodibromomethane	22.0		0.78	0.086
75-09-2	Methylene Chloride	20.5		1.0	0.65
127-18-4	Tetrachloroethene	19.6		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	19.0		0.45	0.12
79-01-6	Trichloroethene	20.2		0.28	0.074
75-01-4	Vinyl chloride	23.2		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	99		76-120
1868-53-7	Dibromofluoromethane (Surr)	110		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Report Date: 20-Mar-2025 12:52:29 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23685.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 19-Mar-2025 08:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0188137-005
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:46:26 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: FK2C Date: 19-Mar-2025 09:46:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	79	7470	20.0	7.57	
4 Dichlorodifluoromethane	85	1.551	1.552	-0.001	99	78740	20.0	13.9	
165 Chlorodifluoromethane	51	1.575	1.569	0.006	95	56274	20.0	14.8	
6 Chloromethane	50	1.734	1.734	0.000	99	92130	20.0	24.2	
7 Vinyl chloride	62	1.804	1.805	-0.001	97	97459	20.0	23.2	
172 Butadiene	39	1.828	1.828	0.000	94	69576	20.0	21.3	
9 Bromomethane	94	2.081	2.081	0.000	98	75787	20.0	24.8	
10 Chloroethane	64	2.157	2.157	0.000	98	72685	20.0	23.8	
174 Dichlorofluoromethane	67	2.310	2.305	0.006	99	148109	20.0	22.4	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	99	109210	20.0	18.5	
13 Pentane	72	2.363	2.363	0.000	95	19186	40.0	33.7	
14 Ethanol	46	2.481	2.493	-0.012	96	4584	800.0	622.3	
15 Ethyl ether	59	2.540	2.540	0.000	94	46564	20.0	20.2	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	82	46553	20.0	19.2	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	86	53613	20.0	17.5	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.622	2.616	0.006	96	83198	20.0	18.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.698	2.699	-0.001	96	56265	20.0	17.9	
19 Acrolein	56	2.704	2.699	0.005	38	11518	40.0	38.1	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	95	63833	20.0	20.4	
22 Acetone	58	2.816	2.816	0.000	89	18846	100.0	94.3	
24 Isopropyl alcohol	45	2.875	2.881	-0.006	99	21809	200.0	235.8	
23 Iodomethane	142	2.893	2.893	0.000	100	72458	20.0	18.7	
25 Carbon disulfide	76	2.934	2.934	0.000	99	197866	20.0	19.5	
27 Methyl acetate	43	3.040	3.040	0.000	93	53609	40.0	46.1	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	84	40841	20.0	20.7	
166 Cyclopentene	67	3.063	3.063	0.000	92	146427	20.0	18.7	
29 Acetonitrile	41	3.104	3.104	0.000	97	37995	200.0	207.3	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	159494	1000.0	1000.0	
31 Methylene Chloride	84	3.157	3.157	0.000	84	72093	20.0	20.5	
32 2-Methyl-2-propanol	59	3.193	3.187	0.005	96	36347	200.0	209.5	
33 Methyl tert-butyl ether	73	3.310	3.304	0.006	96	158547	20.0	19.8	

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	3.345	3.346	-0.001	86	71234	20.0	19.8	
35 Acrylonitrile	53	3.410	3.410	0.000	94	154087	200.0	222.6	
36 Hexane	43	3.487	3.487	0.000	88	29511	20.0	17.8	
37 Isopropyl ether	45	3.687	3.681	0.006	93	143674	20.0	21.4	
39 Vinyl acetate	86	3.734	3.734	0.000	98	25201	40.0	45.5	
38 1,1-Dichloroethane	63	3.734	3.740	-0.006	78	115304	20.0	22.0	
40 2-Chloro-1,3-butadiene	88	3.781	3.781	0.000	90	60166	20.0	20.0	
41 Tert-butyl ethyl ether	59	3.998	3.999	0.000	93	150742	20.0	19.1	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	179771	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.228	0.006	91	26163	20.0	21.5	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	98	79769	20.0	20.7	
46 Ethyl acetate	70	4.263	4.263	0.000	92	9869	40.0	33.2	
45 2-Butanone (MEK)	72	4.269	4.263	0.006	99	22744	100.0	78.8	
47 Methyl acrylate	55	4.322	4.328	-0.006	99	36600	20.0	21.0	
48 Propionitrile	54	4.416	4.410	0.006	98	56228	200.0	254.3	
50 Chlorobromomethane	128	4.492	4.493	-0.001	67	42211	20.0	21.3	
49 Tetrahydrofuran	42	4.510	4.504	0.006	50	27864	40.0	36.7	a
51 Methacrylonitrile	67	4.516	4.522	-0.006	86	204281	200.0	201.8	
52 Chloroform	83	4.539	4.540	-0.001	99	127541	20.0	20.7	
53 Cyclohexane	56	4.687	4.687	0.000	82	68333	20.0	17.0	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	91	110178	20.0	19.9	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	187388	50.0	55.0	
56 Carbon tetrachloride	117	4.822	4.822	0.000	97	103052	20.0	20.6	
57 1,1-Dichloropropene	75	4.857	4.863	-0.006	96	85407	20.0	20.1	
58 Isobutyl alcohol	43	4.957	4.951	0.006	97	28448	500.0	502.4	
59 Isooctane	57	5.016	5.028	-0.012	97	99668	20.0	16.6	
60 Benzene	78	5.069	5.069	0.000	95	265202	20.0	20.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.086	5.081	0.005	0	158868	50.0	50.6	
62 Isopropyl acetate	61	5.104	5.098	0.006	97	20254	20.0	18.4	
63 Tert-amyl methyl ether	87	5.116	5.110	0.006	97	50133	20.0	18.1	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	97	77698	20.0	19.7	
65 n-Heptane	71	5.216	5.216	0.000	76	29599	20.0	16.2	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	608161	50.0	50.0	
67 n-Butanol	56	5.686	5.681	0.005	85	20256	500.0	457.3	
68 Trichloroethene	95	5.757	5.757	0.000	95	70971	20.0	20.2	
69 Ethyl acrylate	99	5.881	5.875	0.006	93	8524	20.0	16.8	
70 Methylcyclohexane	83	5.898	5.898	0.000	91	81751	20.0	16.9	
71 1,2-Dichloropropane	63	6.081	6.075	0.006	92	63105	20.0	22.8	
* 73 1,4-Dioxane-d8	96	6.139	6.140	-0.001	0	27740	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.151	0.000	76	64551	40.0	36.4	
75 1,4-Dioxane	88	6.192	6.198	-0.006	33	10946	400.0	393.2	
74 n-Propyl acetate	43	6.210	6.210	0.000	97	54797	20.0	21.7	
76 Dibromomethane	93	6.222	6.228	-0.006	94	46025	20.0	21.5	
77 Dichlorobromomethane	83	6.381	6.381	0.000	97	96220	20.0	22.8	
79 2-Nitropropane	41	6.769	6.763	0.006	99	19554	40.0	33.8	
80 Epichlorohydrin	57	6.886	6.892	-0.006	99	59737	400.0	325.9	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	89	105244	20.0	20.6	
82 4-Methyl-2-pentanone (MIBK)	43	7.133	7.134	-0.001	94	162251	100.0	93.1	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	98	652841	50.0	51.3	
84 Toluene	91	7.316	7.316	0.000	92	295472	20.0	19.6	
86 trans-1,3-Dichloropropene	75	7.716	7.722	-0.006	97	89027	20.0	19.0	
85 Ethyl methacrylate	69	7.751	7.751	0.000	84	58806	20.0	17.2	

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	7.986	7.981	0.005	94	48213	20.0	19.8	
88 Tetrachloroethene	166	8.039	8.039	0.000	95	76450	20.0	19.6	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	88	95992	20.0	21.1	
90 2-Hexanone	58	8.345	8.339	0.006	93	61717	100.0	90.9	
91 n-Butyl acetate	73	8.504	8.498	0.006	97	12376	20.0	18.8	
92 Chlorodibromomethane	129	8.569	8.569	0.000	96	79977	20.0	22.0	
93 Ethylene Dibromide	107	8.763	8.763	0.000	99	61351	20.0	20.2	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	498584	50.0	50.0	
95 Chlorobenzene	112	9.351	9.345	0.006	98	210312	20.0	21.1	
96 Ethylbenzene	106	9.439	9.439	0.000	98	101440	20.0	18.3	
97 1,1,1,2-Tetrachloroethane	131	9.451	9.445	0.006	94	79077	20.0	21.0	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	127352	20.0	19.1	
99 n-Butyl acrylate	73	9.933	9.933	0.000	98	34086	20.0	15.2	
100 o-Xylene	106	9.951	9.951	0.000	96	128749	20.0	19.8	
101 Styrene	104	9.974	9.975	-0.001	98	213711	20.0	19.2	
102 Amyl acetate (mixed isomers)	43	10.133	10.128	0.005	94	59601	20.0	15.7	
103 Bromoform	173	10.157	10.157	0.000	94	47783	20.0	20.5	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	288368	20.0	18.9	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	93	203398	50.0	49.3	
107 Bromobenzene	156	10.521	10.527	-0.006	88	88402	20.0	18.7	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.557	-0.006	96	66910	20.0	18.3	
108 N-Propylbenzene	91	10.574	10.575	-0.001	99	364850	20.0	17.1	
110 1,2,3-Trichloropropane	110	10.592	10.592	0.000	93	22157	20.0	18.4	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.604	0.000	89	14342	20.0	16.9	
112 2-Chlorotoluene	91	10.657	10.657	0.000	95	253756	20.0	17.1	
169 4-Ethyltoluene	105	10.657	10.657	0.000	89	324207	20.0	17.3	
113 1,3,5-Trimethylbenzene	105	10.704	10.710	-0.006	94	270533	20.0	17.9	
115 4-Chlorotoluene	91	10.745	10.739	0.006	95	229769	20.0	17.8	
114 Butyl Methacrylate	87	10.774	10.775	-0.001	84	80510	20.0	16.2	
116 tert-Butylbenzene	119	10.927	10.927	0.000	96	244246	20.0	18.2	
117 1,2,4-Trimethylbenzene	105	10.968	10.969	-0.001	97	284285	20.0	17.6	
118 sec-Butylbenzene	134	11.074	11.075	-0.001	99	72900	20.0	17.8	
119 4-Isopropyltoluene	119	11.163	11.163	0.000	98	312629	20.0	17.3	
120 1,3-Dichlorobenzene	146	11.174	11.175	0.000	97	181514	20.0	19.0	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	93	299263	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.239	11.239	0.000	96	194725	20.0	19.9	
123 1,2,3-Trimethylbenzene	105	11.251	11.251	0.000	98	292957	20.0	17.3	
124 Benzyl chloride	91	11.339	11.339	0.000	99	112491	20.0	14.8	
162 2,3-Dihydroindene	117	11.386	11.386	0.000	93	283610	20.0	18.7	
164 p-Diethylbenzene	119	11.415	11.416	-0.001	94	189030	20.0	17.5	
127 n-Butylbenzene	92	11.433	11.433	0.000	97	149255	20.0	18.4	
128 1,2-Dichlorobenzene	146	11.498	11.498	0.000	98	193375	20.0	22.3	
163 1,2,4,5-Tetramethylbenzene	119	11.968	11.969	-0.001	97	279368	20.0	17.6	
130 1,2-Dibromo-3-Chloropropane	157	12.068	12.069	-0.001	91	13152	20.0	17.2	
131 1,3,5-Trichlorobenzene	180	12.174	12.174	0.000	97	121905	20.0	18.6	
132 1,2,4-Trichlorobenzene	180	12.704	12.704	0.000	93	98049	20.0	17.4	
133 Hexachlorobutadiene	225	12.786	12.786	0.000	88	36965	20.0	18.1	
134 Naphthalene	128	12.951	12.951	0.000	99	183019	20.0	15.8	
135 1,2,3-Trichlorobenzene	180	13.174	13.180	-0.006	96	84776	20.0	17.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.5	
S 137 Xylenes, Total	100				0		40.0	38.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00631	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00181	Amount Added:	4.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 20-Mar-2025 12:52:29 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23685.D

Injection Date: 19-Mar-2025 08:38:30 Instrument ID: CVOAMS1 Operator ID:

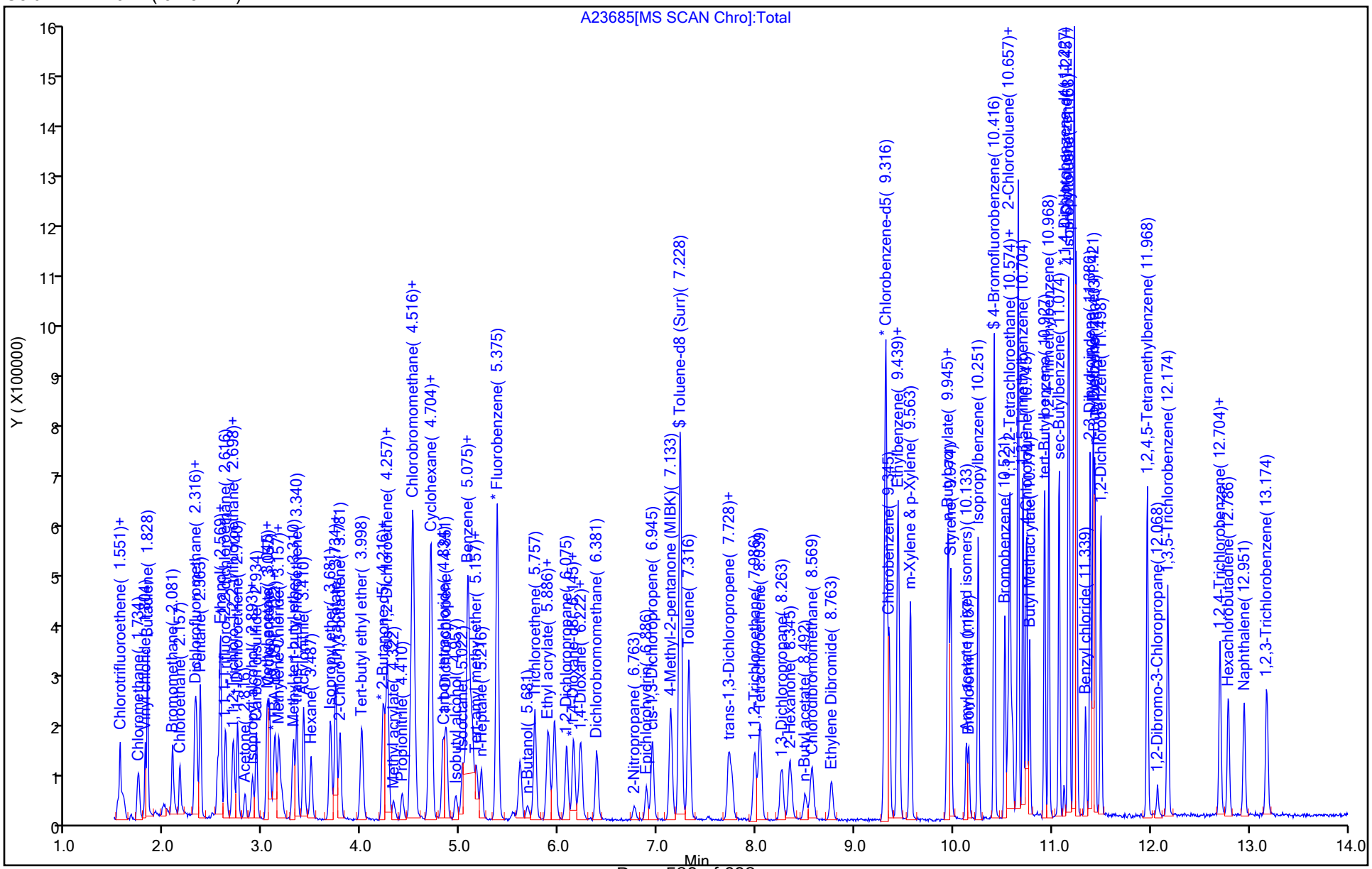
Lims ID: LCSD Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260624W_1 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 12:52:29 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23685.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 19-Mar-2025 08:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0188137-005
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:46:26 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: FK2C Date: 19-Mar-2025 09:46:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	55.0	109.91
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.26
$ 83 Toluene-d8 (Surr)	50.0	51.3	102.68
$ 105 4-Bromofluorobenzene	50.0	49.3	98.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-02I_20250314 MS | Lab Sample ID: 460-322205-5 MS

Matrix: Water | Lab File ID: A23694.D

Analysis Method: 8260D | Date Collected: 03/14/2025 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 12:19

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.5		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.20	0.085
79-00-5	1,1,2-Trichloroethane	18.3		0.58	0.19
75-34-3	1,1-Dichloroethane	19.6		1.0	0.26
75-35-4	1,1-Dichloroethene	16.8		1.0	0.26
107-06-2	1,2-Dichloroethane	17.6		0.30	0.087
78-87-5	1,2-Dichloropropane	20.1		0.92	0.074
75-27-4	Dichlorobromomethane	19.5		0.98	0.15
56-23-5	Carbon tetrachloride	17.8		1.0	0.21
108-90-7	Chlorobenzene	19.5		1.0	0.38
75-00-3	Chloroethane	22.7		1.0	0.32
67-66-3	Chloroform	19.1		1.0	0.33
74-87-3	Chloromethane	23.6		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.9		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	18.9		0.45	0.069
124-48-1	Chlorodibromomethane	20.4		0.78	0.086
75-09-2	Methylene Chloride	18.8		1.0	0.65
127-18-4	Tetrachloroethene	58.2		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	17.2		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.2		0.45	0.12
79-01-6	Trichloroethene	19.7		0.28	0.074
75-01-4	Vinyl chloride	22.6		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	100		76-120
1868-53-7	Dibromofluoromethane (Surr)	106		77-132
2037-26-5	Toluene-d8 (Surr)	104		80-120

Report Date: 20-Mar-2025 12:57:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23694.D
Lims ID: 460-322205-A-5 MS
Client ID: RDI-MW-02I_20250314
Sample Type: MS
Inject. Date: 19-Mar-2025 12:19:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-A-5 MS
Misc. Info.: 460-0188137-014
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:57:15 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:02:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.516	1.522	-0.006	80	3533	20.0	3.53	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	98	68680	20.0	12.0	
165 Chlorodifluoromethane	51	1.569	1.569	0.000	76	46677	20.0	12.1	
6 Chloromethane	50	1.734	1.734	0.000	99	91157	20.0	23.6	
7 Vinyl chloride	62	1.805	1.805	0.000	97	96229	20.0	22.6	
172 Butadiene	39	1.828	1.828	0.000	93	63123	20.0	19.1	
9 Bromomethane	94	2.081	2.081	0.000	98	66897	20.0	21.6	
10 Chloroethane	64	2.158	2.157	0.001	99	70317	20.0	22.7	
174 Dichlorofluoromethane	67	2.305	2.305	0.001	99	137098	20.0	20.5	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	98	100268	20.0	16.7	
13 Pentane	72	2.358	2.363	-0.005	95	11794	40.0	20.4	
14 Ethanol	46	2.493	2.493	0.000	99	7790	800.0	1037.0	
15 Ethyl ether	59	2.540	2.540	0.000	94	40849	20.0	17.5	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	82	35450	20.0	14.4	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	90	48511	20.0	15.6	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.616	0.000	96	72309	20.0	15.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.000	95	41914	20.0	13.1	
19 Acrolein	56	2.705	2.699	0.006	91	12799	40.0	41.6	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	95	53226	20.0	16.8	
22 Acetone	58	2.810	2.816	-0.006	87	15897	100.0	81.2	
24 Isopropyl alcohol	45	2.869	2.881	-0.012	99	18489	200.0	194.7	
23 Iodomethane	142	2.893	2.893	0.000	99	54847	20.0	14.0	
25 Carbon disulfide	76	2.934	2.934	0.000	99	165540	20.0	16.1	
27 Methyl acetate	43	3.040	3.040	0.000	90	50814	40.0	42.8	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	80	38563	20.0	19.3	
166 Cyclopentene	67	3.063	3.063	0.000	91	115826	20.0	14.6	
29 Acetonitrile	41	3.099	3.104	-0.005	97	36387	200.0	195.1	
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	162245	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.157	0.006	84	67185	20.0	18.8	
32 2-Methyl-2-propanol	59	3.193	3.187	0.006	96	31926	200.0	180.9	
33 Methyl tert-butyl ether	73	3.304	3.304	0.000	95	145988	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
34 trans-1,2-Dichloroethene	96	3.346	3.346	0.000	88	62899	20.0	17.2	
35 Acrylonitrile	53	3.410	3.410	0.000	93	139063	200.0	198.1	
36 Hexane	43	3.481	3.487	-0.006	86	19876	20.0	11.8	
37 Isopropyl ether	45	3.681	3.681	0.000	92	137402	20.0	20.1	
39 Vinyl acetate	86	3.740	3.734	0.006	99	22996	40.0	40.8	
38 1,1-Dichloroethane	63	3.734	3.740	-0.006	76	103946	20.0	19.6	
40 2-Chloro-1,3-butadiene	88	3.781	3.781	0.000	90	55891	20.0	18.3	
41 Tert-butyl ethyl ether	59	3.999	3.999	0.001	92	144878	20.0	18.1	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	176031	250.0	250.0	
43 2,2-Dichloropropane	97	4.234	4.228	0.006	92	24797	20.0	20.1	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	98	81469	20.0	20.9	
46 Ethyl acetate	70	4.263	4.263	0.000	94	10613	40.0	36.5	
45 2-Butanone (MEK)	72	4.269	4.263	0.006	99	24895	100.0	88.0	
47 Methyl acrylate	55	4.328	4.328	0.000	99	35733	20.0	20.2	a
48 Propionitrile	54	4.404	4.410	-0.006	98	50669	200.0	225.3	
50 Chlorobromomethane	128	4.493	4.493	0.000	68	37391	20.0	18.6	
49 Tetrahydrofuran	42	4.504	4.504	0.000	51	26185	40.0	35.2	
51 Methacrylonitrile	67	4.516	4.522	-0.006	85	196376	200.0	191.2	
52 Chloroform	83	4.540	4.540	0.000	99	119005	20.0	19.1	
53 Cyclohexane	56	4.693	4.687	0.006	73	58468	20.0	14.3	
54 1,1,1-Trichloroethane	97	4.699	4.698	0.001	97	103829	20.0	18.5	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	96	183352	50.0	53.0	
56 Carbon tetrachloride	117	4.828	4.822	0.006	96	90337	20.0	17.8	
57 1,1-Dichloropropene	75	4.857	4.863	-0.006	97	77227	20.0	17.9	
58 Isobutyl alcohol	43	4.957	4.951	0.006	93	25736	500.0	446.8	
59 Isooctane	57	5.022	5.028	-0.006	98	74901	20.0	12.3	
60 Benzene	78	5.069	5.069	0.000	95	237275	20.0	18.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	161141	50.0	50.6	
62 Isopropyl acetate	61	5.093	5.098	-0.005	98	20135	20.0	18.0	
63 Tert-amyl methyl ether	87	5.116	5.110	0.006	97	48024	20.0	17.1	
64 1,2-Dichloroethane	62	5.163	5.163	0.000	97	70405	20.0	17.6	
65 n-Heptane	71	5.216	5.216	0.000	85	22260	20.0	12.0	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	616951	50.0	50.0	
67 n-Butanol	56	5.681	5.681	0.000	79	18826	500.0	416.5	
68 Trichloroethene	95	5.751	5.757	-0.006	95	70235	20.0	19.7	
69 Ethyl acrylate	99	5.881	5.875	0.006	93	7789	20.0	15.1	
70 Methylcyclohexane	83	5.887	5.898	-0.011	87	66877	20.0	13.6	
71 1,2-Dichloropropane	63	6.081	6.075	0.006	89	56309	20.0	20.1	
* 73 1,4-Dioxane-d8	96	6.145	6.140	0.005	0	27020	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.151	0.000	77	64546	40.0	35.9	
75 1,4-Dioxane	88	6.198	6.198	0.000	31	11212	400.0	415.4	M
74 n-Propyl acetate	43	6.210	6.210	0.000	91	47318	20.0	18.5	
76 Dibromomethane	93	6.222	6.228	-0.006	95	41229	20.0	19.0	
77 Dichlorobromomethane	83	6.381	6.381	0.000	97	83345	20.0	19.5	
79 2-Nitropropane	41	6.763	6.763	0.000	99	19253	40.0	32.8	
80 Epichlorohydrin	57	6.893	6.892	0.000	99	54746	400.0	305.1	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	88	95706	20.0	18.9	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	94	154023	100.0	90.3	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	98	655739	50.0	52.0	
84 Toluene	91	7.316	7.316	0.000	93	279300	20.0	18.7	
86 trans-1,3-Dichloropropene	75	7.722	7.722	0.000	96	84809	20.0	18.2	
85 Ethyl methacrylate	69	7.745	7.751	-0.006	83	58591	20.0	16.9	

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	7.987	7.981	0.006	95	44266	20.0	18.3	
88 Tetrachloroethene	166	8.039	8.039	0.000	94	225012	20.0	58.2	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	89	84794	20.0	18.8	
90 2-Hexanone	58	8.345	8.339	0.006	95	63123	100.0	94.9	
91 n-Butyl acetate	73	8.492	8.498	-0.006	97	12179	20.0	18.6	
92 Chlorodibromomethane	129	8.569	8.569	0.000	96	73695	20.0	20.4	
93 Ethylene Dibromide	107	8.763	8.763	0.000	99	56721	20.0	18.8	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	494893	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	98	192824	20.0	19.5	
96 Ethylbenzene	106	9.434	9.439	-0.005	98	92631	20.0	16.8	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	95	69654	20.0	18.6	
98 m-Xylene & p-Xylene	106	9.569	9.563	0.006	0	120775	20.0	18.2	
99 n-Butyl acrylate	73	9.933	9.933	0.000	98	32499	20.0	14.6	
100 o-Xylene	106	9.945	9.951	-0.006	94	112155	20.0	17.3	
101 Styrene	104	9.975	9.975	0.000	97	198712	20.0	18.0	
102 Amyl acetate (mixed isomers)	43	10.128	10.128	0.000	93	62106	20.0	17.0	
103 Bromoform	173	10.151	10.157	-0.006	95	42755	20.0	18.5	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	263390	20.0	17.4	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	94	204274	50.0	49.9	
107 Bromobenzene	156	10.522	10.527	-0.005	92	79494	20.0	17.5	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.557	-0.006	97	61074	20.0	17.3	
108 N-Propylbenzene	91	10.575	10.575	0.000	100	345035	20.0	16.8	
110 1,2,3-Trichloropropane	110	10.592	10.592	0.000	94	21162	20.0	18.2	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.604	0.000	92	13762	20.0	16.8	
112 2-Chlorotoluene	91	10.657	10.657	0.000	94	233725	20.0	16.4	
169 4-Ethyltoluene	105	10.657	10.657	0.000	90	303461	20.0	16.8	
113 1,3,5-Trimethylbenzene	105	10.704	10.710	-0.006	94	244371	20.0	16.7	
115 4-Chlorotoluene	91	10.739	10.739	0.000	96	209464	20.0	16.8	
114 Butyl Methacrylate	87	10.775	10.775	0.000	84	73419	20.0	15.3	
116 tert-Butylbenzene	119	10.922	10.927	-0.005	95	221680	20.0	17.1	
117 1,2,4-Trimethylbenzene	105	10.963	10.969	-0.006	97	255310	20.0	16.4	
118 sec-Butylbenzene	134	11.069	11.075	-0.006	99	63398	20.0	16.1	
119 4-Isopropyltoluene	119	11.163	11.163	0.000	97	277848	20.0	16.0	
120 1,3-Dichlorobenzene	146	11.175	11.175	0.001	97	161571	20.0	17.5	
* 121 1,4-Dichlorobenzene-d4	152	11.222	11.227	-0.005	93	288158	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.239	11.239	0.000	96	173289	20.0	18.4	
123 1,2,3-Trimethylbenzene	105	11.245	11.251	-0.006	97	263890	20.0	16.2	
124 Benzyl chloride	91	11.339	11.339	0.000	99	103903	20.0	14.2	
162 2,3-Dihydroindene	117	11.386	11.386	0.000	92	256752	20.0	17.6	
164 p-Diethylbenzene	119	11.416	11.416	0.000	94	173390	20.0	16.7	
127 n-Butylbenzene	92	11.433	11.433	0.000	97	129719	20.0	16.6	
128 1,2-Dichlorobenzene	146	11.492	11.498	-0.006	98	168034	20.0	20.1	
163 1,2,4,5-Tetramethylbenzene	119	11.963	11.969	-0.006	97	254431	20.0	16.6	
130 1,2-Dibromo-3-Chloropropane	157	12.069	12.069	0.000	91	12012	20.0	16.3	
131 1,3,5-Trichlorobenzene	180	12.175	12.174	0.000	97	100615	20.0	16.0	
132 1,2,4-Trichlorobenzene	180	12.698	12.704	-0.006	94	81775	20.0	15.1	
133 Hexachlorobutadiene	225	12.780	12.786	-0.006	90	30035	20.0	15.3	
134 Naphthalene	128	12.945	12.951	-0.006	98	149381	20.0	13.4	
135 1,2,3-Trichlorobenzene	180	13.169	13.180	-0.011	95	66385	20.0	14.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.1	
S 137 Xylenes, Total	100				0		40.0	35.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00181	Amount Added:	4.00	Units: uL	
GASES Li_00631	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

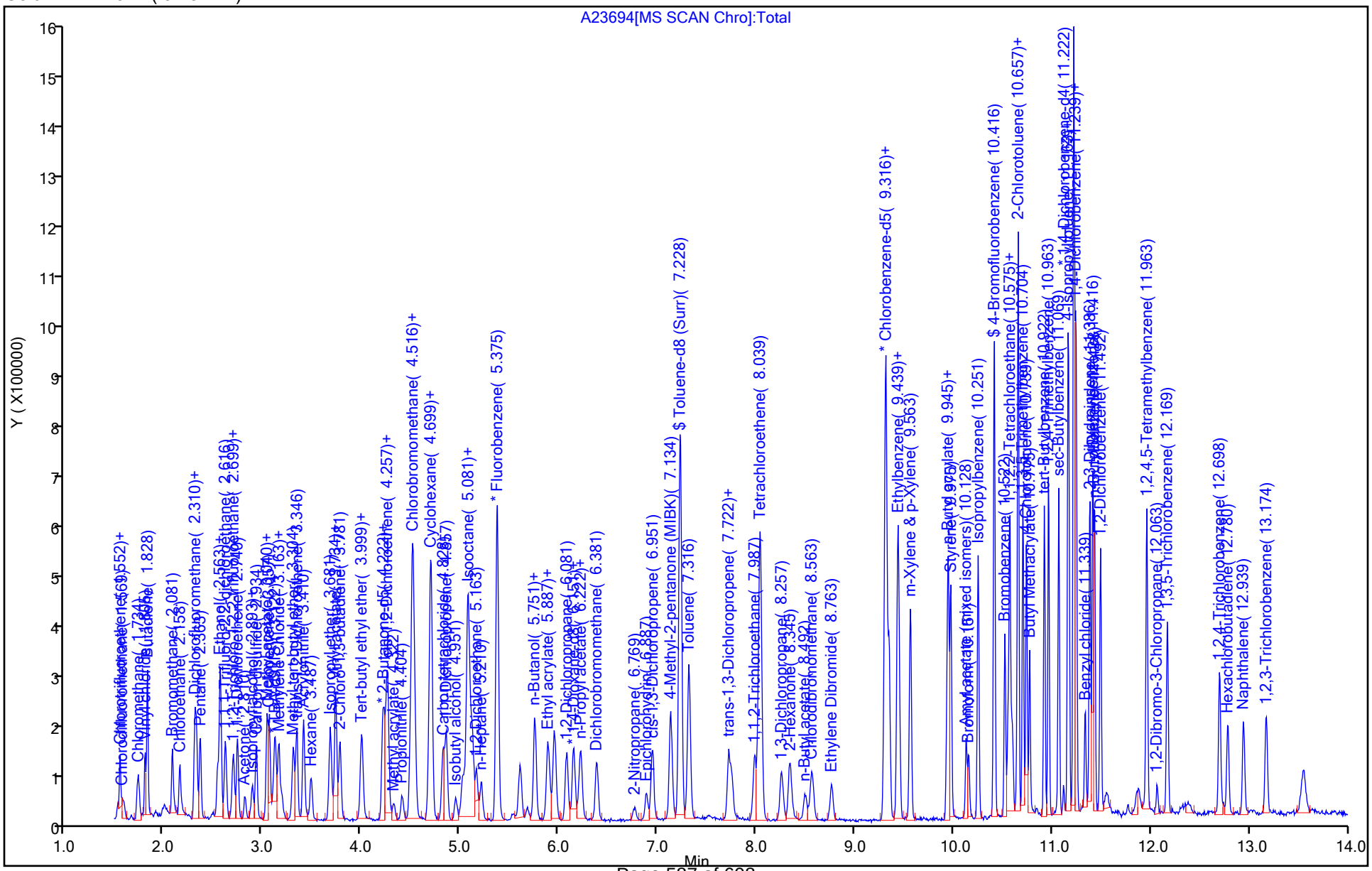
Report Date: 20-Mar-2025 12:57:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23694.D

Injection Date:	19-Mar-2025 12:19:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-A-5 MS			Worklist Smp#:	14
Client ID:	RDI-MW-02I_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 12:57:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23694.D
Lims ID: 460-322205-A-5 MS
Client ID: RDI-MW-02I_20250314
Sample Type: MS
Inject. Date: 19-Mar-2025 12:19:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-A-5 MS
Misc. Info.: 460-0188137-014
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:57:15 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:02:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	53.0	106.01
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.6	101.25
$ 83 Toluene-d8 (Surr)	50.0	52.0	103.91
$ 105 4-Bromofluorobenzene	50.0	49.9	99.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-322205-1

SDG No.:

Client Sample ID: RDI-MW-02I_20250314 MSD | Lab Sample ID: 460-322205-5 MSD

Matrix: Water | Lab File ID: A23695.D

Analysis Method: 8260D | Date Collected: 03/14/2025 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2025 12:43

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.: 1026611 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.20	0.085
79-00-5	1,1,2-Trichloroethane	20.3		0.58	0.19
75-34-3	1,1-Dichloroethane	20.7		1.0	0.26
75-35-4	1,1-Dichloroethene	18.7		1.0	0.26
107-06-2	1,2-Dichloroethane	18.1		0.30	0.087
78-87-5	1,2-Dichloropropane	21.9		0.92	0.074
75-27-4	Dichlorobromomethane	21.2		0.98	0.15
56-23-5	Carbon tetrachloride	20.5		1.0	0.21
108-90-7	Chlorobenzene	20.2		1.0	0.38
75-00-3	Chloroethane	23.0		1.0	0.32
67-66-3	Chloroform	20.3		1.0	0.33
74-87-3	Chloromethane	24.7		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.6		1.0	0.48
10061-01-5	cis-1,3-Dichloropropene	19.8		0.45	0.069
124-48-1	Chlorodibromomethane	21.9		0.78	0.086
75-09-2	Methylene Chloride	20.2		1.0	0.65
127-18-4	Tetrachloroethene	60.6		0.40	0.28
156-60-5	trans-1,2-Dichloroethene	19.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.9		0.45	0.12
79-01-6	Trichloroethene	21.5		0.28	0.074
75-01-4	Vinyl chloride	22.9		1.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	98		76-120
1868-53-7	Dibromofluoromethane (Surr)	106		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Report Date: 20-Mar-2025 12:58:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23695.D
Lims ID: 460-322205-A-5 MSD
Client ID: RDI-MW-02I_20250314
Sample Type: MSD
Inject. Date: 19-Mar-2025 12:43:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-A-5 MSD
Misc. Info.: 460-0188137-015
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:58:14 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:03:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
170 Chlorotrifluoroethene	116	1.522	1.522	0.000	83	4051	20.0	3.97	
4 Dichlorodifluoromethane	85	1.552	1.552	0.000	98	73565	20.0	12.6	
165 Chlorodifluoromethane	51	1.569	1.569	0.000	95	48831	20.0	12.4	M
6 Chloromethane	50	1.734	1.734	0.000	99	97349	20.0	24.7	
7 Vinyl chloride	62	1.804	1.805	-0.001	97	99797	20.0	22.9	
172 Butadiene	39	1.828	1.828	0.000	93	66903	20.0	19.8	
9 Bromomethane	94	2.081	2.081	0.000	98	73061	20.0	23.1	
10 Chloroethane	64	2.157	2.157	0.000	99	72807	20.0	23.0	
174 Dichlorofluoromethane	67	2.304	2.305	0.000	98	147741	20.0	21.6	
12 Trichlorofluoromethane	101	2.322	2.322	0.000	97	113552	20.0	18.6	
13 Pentane	72	2.363	2.363	0.000	94	14466	40.0	23.0	
14 Ethanol	46	2.493	2.493	0.000	99	8440	800.0	1032.9	
15 Ethyl ether	59	2.540	2.540	0.000	94	45260	20.0	19.0	
16 2-Methyl-1,3-butadiene	53	2.563	2.563	0.000	79	41215	20.0	16.4	
167 1,2-Dichloro-1,1,2-trifluoroetha	117	2.569	2.569	0.000	87	54473	20.0	17.2	
171 1,1,1-Trifluoro-2,2-dichloroetha	83	2.616	2.616	0.000	96	81224	20.0	17.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.699	2.699	0.000	95	48799	20.0	15.0	
19 Acrolein	56	2.704	2.699	0.005	50	15757	40.0	47.1	
21 1,1-Dichloroethene	96	2.740	2.740	0.000	95	60392	20.0	18.7	
22 Acetone	58	2.816	2.816	0.000	87	18300	100.0	93.1	
24 Isopropyl alcohol	45	2.875	2.881	-0.006	99	23149	200.0	225.7	
23 Iodomethane	142	2.893	2.893	0.000	100	68645	20.0	17.2	
25 Carbon disulfide	76	2.934	2.934	0.000	99	187235	20.0	17.8	
27 Methyl acetate	43	3.040	3.040	0.000	83	55406	40.0	42.9	
161 3-Chloro-1-propene	76	3.040	3.040	0.000	84	39042	20.0	19.1	
166 Cyclopentene	67	3.063	3.063	0.000	91	131658	20.0	16.3	
29 Acetonitrile	41	3.104	3.104	0.000	95	42357	200.0	208.8	a
* 30 TBA-d9 (IS)	65	3.122	3.122	0.000	0	176476	1000.0	1000.0	
31 Methylene Chloride	84	3.163	3.157	0.006	83	73589	20.0	20.2	
32 2-Methyl-2-propanol	59	3.193	3.187	0.006	98	39366	200.0	205.1	
33 Methyl tert-butyl ether	73	3.304	3.304	0.000	95	160809	20.0	19.4	

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	3.340	3.346	-0.006	87	70745	20.0	19.0	
35 Acrylonitrile	53	3.410	3.410	0.000	94	156813	200.0	218.9	
36 Hexane	43	3.487	3.487	0.000	88	22253	20.0	13.0	
37 Isopropyl ether	45	3.681	3.681	0.000	91	152358	20.0	21.9	
39 Vinyl acetate	86	3.740	3.734	0.006	98	27828	40.0	45.4	
38 1,1-Dichloroethane	63	3.734	3.740	-0.006	73	112004	20.0	20.7	
40 2-Chloro-1,3-butadiene	88	3.781	3.781	0.000	89	60871	20.0	19.6	
41 Tert-butyl ethyl ether	59	3.998	3.999	0.000	94	157065	20.0	19.2	
* 42 2-Butanone-d5	46	4.210	4.216	-0.006	0	176880	250.0	250.0	
43 2,2-Dichloropropane	97	4.228	4.228	0.000	89	26580	20.0	21.1	
44 cis-1,2-Dichloroethene	96	4.257	4.257	0.000	97	85939	20.0	21.6	
46 Ethyl acetate	70	4.263	4.263	0.000	93	10592	40.0	36.3	
45 2-Butanone (MEK)	72	4.269	4.263	0.006	97	27027	100.0	95.1	
47 Methyl acrylate	55	4.328	4.328	0.000	98	37359	20.0	20.7	
48 Propionitrile	54	4.410	4.410	0.000	98	56414	200.0	230.6	
50 Chlorobromomethane	128	4.493	4.493	0.000	73	40378	20.0	19.7	
49 Tetrahydrofuran	42	4.498	4.504	-0.006	57	29663	40.0	39.7	
51 Methacrylonitrile	67	4.516	4.522	-0.006	85	216615	200.0	206.7	
52 Chloroform	83	4.540	4.540	0.000	98	129099	20.0	20.3	
53 Cyclohexane	56	4.687	4.687	0.000	84	64385	20.0	15.5	
54 1,1,1-Trichloroethane	97	4.698	4.698	0.000	94	110433	20.0	19.3	
$ 55 Dibromofluoromethane (Surr)	113	4.704	4.704	0.000	95	186723	50.0	52.9	
56 Carbon tetrachloride	117	4.828	4.822	0.006	93	105809	20.0	20.5	
57 1,1-Dichloropropene	75	4.857	4.863	-0.006	96	85448	20.0	19.4	
58 Isobutyl alcohol	43	4.951	4.951	0.000	98	31434	500.0	501.7	
59 Isooctane	57	5.022	5.028	-0.006	98	78564	20.0	12.7	
60 Benzene	78	5.069	5.069	0.000	95	262287	20.0	19.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.081	5.081	0.000	0	163536	50.0	50.4	
62 Isopropyl acetate	61	5.098	5.098	0.000	99	20540	20.0	18.0	
63 Tert-amyl methyl ether	87	5.116	5.110	0.006	96	53906	20.0	18.8	
64 1,2-Dichloroethane	62	5.169	5.163	0.006	98	73841	20.0	18.1	
65 n-Heptane	71	5.210	5.216	-0.006	82	24541	20.0	13.0	
* 66 Fluorobenzene	96	5.375	5.375	0.000	99	629514	50.0	50.0	
67 n-Butanol	56	5.681	5.681	0.000	82	23468	500.0	479.6	
68 Trichloroethene	95	5.757	5.757	0.000	91	78259	20.0	21.5	
69 Ethyl acrylate	99	5.881	5.875	0.006	98	8891	20.0	16.9	
70 Methylcyclohexane	83	5.898	5.898	0.000	87	76673	20.0	15.3	
71 1,2-Dichloropropane	63	6.081	6.075	0.006	91	62657	20.0	21.9	
* 73 1,4-Dioxane-d8	96	6.134	6.140	-0.006	0	27911	1000.0	1000.0	
72 Methyl methacrylate	69	6.151	6.151	0.000	76	69886	40.0	38.1	
75 1,4-Dioxane	88	6.204	6.198	0.006	33	13265	400.0	481.2	
74 n-Propyl acetate	43	6.210	6.210	0.000	94	48279	20.0	18.5	
76 Dibromomethane	93	6.222	6.228	-0.006	95	45120	20.0	20.3	
77 Dichlorobromomethane	83	6.381	6.381	0.000	98	92393	20.0	21.2	
79 2-Nitropropane	41	6.769	6.763	0.006	100	19262	40.0	32.1	
80 Epichlorohydrin	57	6.886	6.892	-0.006	98	60537	400.0	335.7	
81 cis-1,3-Dichloropropene	75	6.945	6.951	-0.006	88	104005	20.0	19.8	
82 4-Methyl-2-pentanone (MIBK)	43	7.134	7.134	0.000	93	175706	100.0	102.5	
$ 83 Toluene-d8 (Surr)	98	7.228	7.228	0.000	99	653259	50.0	50.0	
84 Toluene	91	7.316	7.316	0.000	92	301917	20.0	19.5	
86 trans-1,3-Dichloropropene	75	7.722	7.722	0.000	98	91047	20.0	18.9	
85 Ethyl methacrylate	69	7.751	7.751	0.000	85	62379	20.0	17.6	

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	7.986	7.981	0.005	89	50664	20.0	20.3	
88 Tetrachloroethene	166	8.039	8.039	0.000	95	242389	20.0	60.6	
89 1,3-Dichloropropane	76	8.257	8.263	-0.006	89	94343	20.0	20.2	
90 2-Hexanone	58	8.345	8.339	0.006	95	71044	100.0	106.3	
91 n-Butyl acetate	73	8.504	8.498	0.006	96	11868	20.0	17.6	
92 Chlorodibromomethane	129	8.569	8.569	0.000	97	81938	20.0	21.9	
93 Ethylene Dibromide	107	8.763	8.763	0.000	98	61954	20.0	19.9	
* 94 Chlorobenzene-d5	117	9.316	9.316	0.000	83	511980	50.0	50.0	
95 Chlorobenzene	112	9.345	9.345	0.000	99	206139	20.0	20.2	
96 Ethylbenzene	106	9.433	9.439	-0.006	97	105869	20.0	18.6	
97 1,1,1,2-Tetrachloroethane	131	9.445	9.445	0.000	93	78869	20.0	20.3	
98 m-Xylene & p-Xylene	106	9.563	9.563	0.000	0	131866	20.0	19.2	
99 n-Butyl acrylate	73	9.933	9.933	0.000	98	39022	20.0	16.9	
100 o-Xylene	106	9.945	9.951	-0.006	94	127865	20.0	19.1	
101 Styrene	104	9.975	9.975	0.000	97	215326	20.0	18.9	
102 Amyl acetate (mixed isomers)	43	10.127	10.128	-0.001	93	65393	20.0	17.3	
103 Bromoform	173	10.157	10.157	0.000	93	47359	20.0	19.8	
104 Isopropylbenzene	105	10.251	10.251	0.000	95	297929	20.0	19.0	
$ 105 4-Bromofluorobenzene	174	10.416	10.416	0.000	94	208569	50.0	49.2	
107 Bromobenzene	156	10.522	10.527	-0.005	92	84931	20.0	18.1	
106 1,1,2,2-Tetrachloroethane	83	10.551	10.557	-0.006	98	67106	20.0	18.5	
108 N-Propylbenzene	91	10.574	10.575	-0.001	100	370887	20.0	17.6	
110 1,2,3-Trichloropropane	110	10.592	10.592	0.000	92	22347	20.0	18.7	
109 trans-1,4-Dichloro-2-butene	53	10.604	10.604	0.000	89	13962	20.0	16.6	
112 2-Chlorotoluene	91	10.657	10.657	0.000	94	253459	20.0	17.3	
169 4-Ethyltoluene	105	10.657	10.657	0.000	98	325930	20.0	17.6	
113 1,3,5-Trimethylbenzene	105	10.710	10.710	0.000	94	266972	20.0	17.8	
115 4-Chlorotoluene	91	10.745	10.739	0.006	96	233399	20.0	18.2	
114 Butyl Methacrylate	87	10.774	10.775	-0.001	84	83906	20.0	17.0	
116 tert-Butylbenzene	119	10.927	10.927	0.000	95	238025	20.0	17.9	
117 1,2,4-Trimethylbenzene	105	10.974	10.969	0.005	96	269941	20.0	16.8	
118 sec-Butylbenzene	134	11.074	11.075	-0.001	99	70711	20.0	17.4	
119 4-Isopropyltoluene	119	11.169	11.163	0.006	98	310010	20.0	17.3	
120 1,3-Dichlorobenzene	146	11.180	11.175	0.006	97	175492	20.0	18.5	
* 121 1,4-Dichlorobenzene-d4	152	11.227	11.227	0.000	93	296866	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.245	11.239	0.006	96	180199	20.0	18.6	
123 1,2,3-Trimethylbenzene	105	11.257	11.251	0.006	97	293983	20.0	17.5	
124 Benzyl chloride	91	11.345	11.339	0.006	99	116777	20.0	15.5	
162 2,3-Dihydroindene	117	11.392	11.386	0.006	94	282929	20.0	18.8	
164 p-Diethylbenzene	119	11.421	11.416	0.005	96	191317	20.0	17.9	
127 n-Butylbenzene	92	11.445	11.433	0.012	97	133161	20.0	16.6	
128 1,2-Dichlorobenzene	146	11.504	11.498	0.006	98	182567	20.0	21.2	
163 1,2,4,5-Tetramethylbenzene	119	11.974	11.969	0.005	97	267509	20.0	17.0	
130 1,2-Dibromo-3-Chloropropane	157	12.080	12.069	0.011	89	15153	20.0	20.0	
131 1,3,5-Trichlorobenzene	180	12.180	12.174	0.006	97	111928	20.0	17.2	
132 1,2,4-Trichlorobenzene	180	12.716	12.704	0.012	93	94088	20.0	16.8	
133 Hexachlorobutadiene	225	12.798	12.786	0.012	90	31445	20.0	15.5	
175 2-Ethylhexyl acrylate	55	12.721	12.792	-0.071	2	585		NC	
134 Naphthalene	128	12.957	12.951	0.006	99	189283	20.0	16.5	
135 1,2,3-Trichlorobenzene	180	13.186	13.180	0.006	96	78336	20.0	16.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.6	
S 137 Xylenes, Total	100				0		40.0	38.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00201	Amount Added:	20.00	Units: uL	
524FREONS_00031	Amount Added:	20.00	Units: uL	
ACROLEIN W_00181	Amount Added:	4.00	Units: uL	
GASES Li_00631	Amount Added:	20.00	Units: uL	
8260ISNEW_00210	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00253	Amount Added:	1.00	Units: uL	Run Reagent

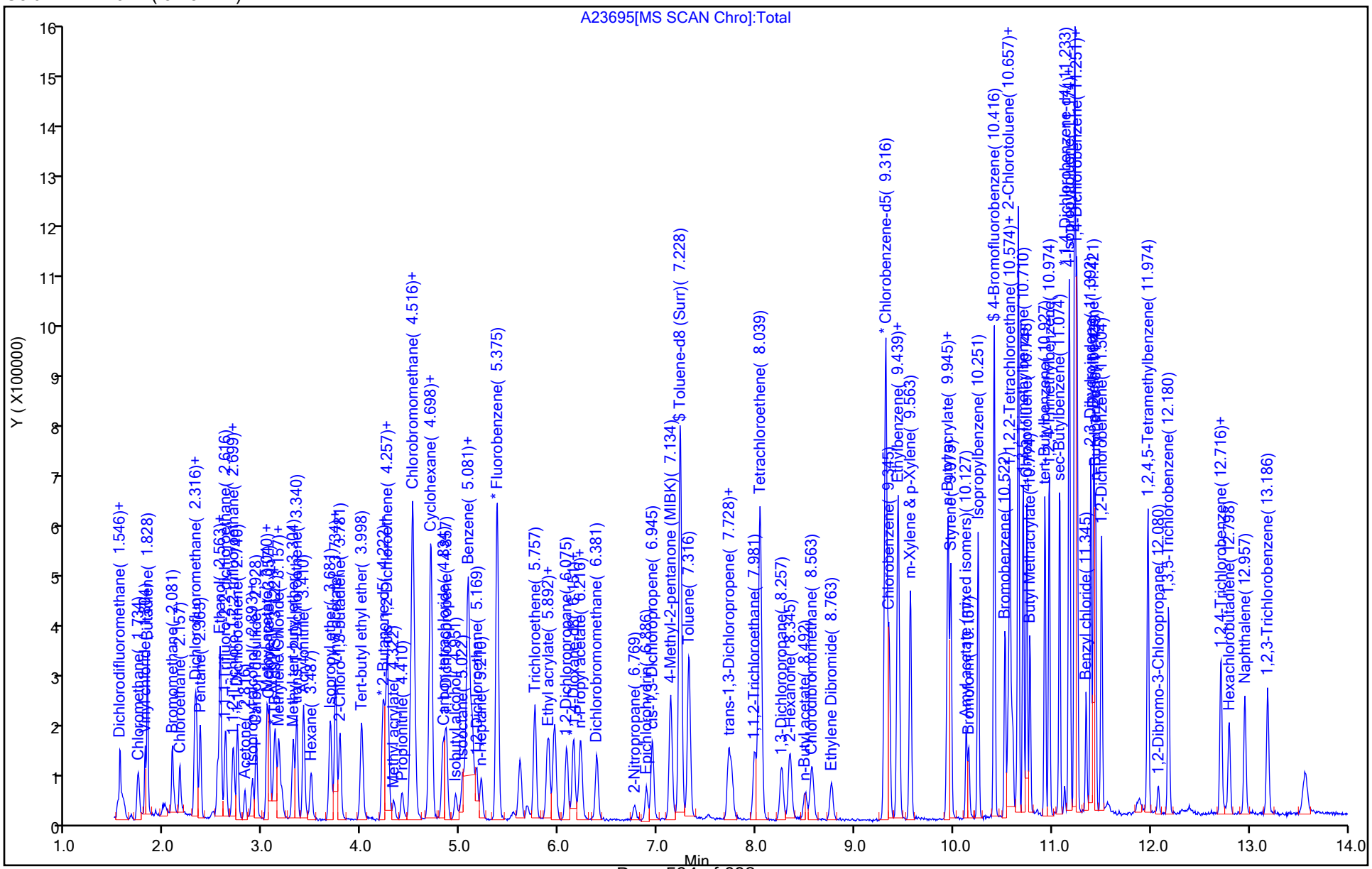
Report Date: 20-Mar-2025 12:58:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23695.D

Injection Date:	19-Mar-2025 12:43:30	Instrument ID:	CVOAMS1	Operator ID:	
Lims ID:	460-322205-A-5 MSD			Worklist Smp#:	15
Client ID:	RDI-MW-02I_20250314				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260624W_1	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Report Date: 20-Mar-2025 12:58:16 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\A23695.D
Lims ID: 460-322205-A-5 MSD
Client ID: RDI-MW-02I_20250314
Sample Type: MSD
Inject. Date: 19-Mar-2025 12:43:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-322205-A-5 MSD
Misc. Info.: 460-0188137-015
Operator ID: Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20250319-188137.b\8260624W_1.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 20-Mar-2025 12:58:14 Calib Date: 01-Mar-2025 18:32:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20250301-187452.b\A22886.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: C1JX Date: 19-Mar-2025 18:03:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.9	105.81
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.70
$ 83 Toluene-d8 (Surr)	50.0	50.0	100.06
$ 105 4-Bromofluorobenzene	50.0	49.2	98.45

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 03/01/2025 13:51

Analysis Batch Number: 1023688 End Date: 03/01/2025 21:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-1023688/1		03/01/2025 13:51	1	A22877A.D	Rtx-624 0.25(mm)
STD8 460-1023688/40 IC		03/01/2025 15:41	1	A22879.D	Rtx-624 0.25(mm)
STD7 460-1023688/3 IC		03/01/2025 16:06	1	A22880.D	Rtx-624 0.25(mm)
STD1 460-1023688/4 IC		03/01/2025 16:30	1	A22881.D	Rtx-624 0.25(mm)
STD5 460-1023688/5 IC		03/01/2025 16:55	1	A22882.D	Rtx-624 0.25(mm)
STD20 460-1023688/6 ICIS		03/01/2025 17:19	1	A22883.D	Rtx-624 0.25(mm)
STD50 460-1023688/7 IC		03/01/2025 17:43	1	A22884.D	Rtx-624 0.25(mm)
STD200 460-1023688/8 IC		03/01/2025 18:08	1	A22885.D	Rtx-624 0.25(mm)
STD500 460-1023688/9 IC		03/01/2025 18:32	1	A22886.D	Rtx-624 0.25(mm)
ICV 460-1023688/17		03/01/2025 21:48	1	A22894.D	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 03/19/2025 07:49

Analysis Batch Number: 1026611 End Date: 03/19/2025 18:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-1026611/3		03/19/2025 07:49	1	A23683.D	Rtx-624 0.25(mm)
LCS 460-1026611/4		03/19/2025 08:14	1	A23684.D	Rtx-624 0.25(mm)
LCSD 460-1026611/5		03/19/2025 08:38	1	A23685.D	Rtx-624 0.25(mm)
MB 460-1026611/9		03/19/2025 10:16	1	A23689.D	Rtx-624 0.25(mm)
ZZZZZ (Client)		03/19/2025 10:41	1		Rtx-624 0.25(mm)
ZZZZZ (Client)		03/19/2025 11:06	100		Rtx-624 0.25(mm)
ZZZZZ (Client)		03/19/2025 11:30	1		Rtx-624 0.25(mm)
ZZZZZ (Client)		03/19/2025 11:55	1		Rtx-624 0.25(mm)
460-322205-5 MS	RDI-MW-02I_20250314 MS	03/19/2025 12:19	1	A23694.D	Rtx-624 0.25(mm)
460-322205-5 MSD	RDI-MW-02I_20250314 MSD	03/19/2025 12:43	1	A23695.D	Rtx-624 0.25(mm)
460-322205-11	RDI-TB_20250313	03/19/2025 13:57	1	A23698.D	Rtx-624 0.25(mm)
460-322205-12	RDI-FB_20250313	03/19/2025 14:21	1	A23699.D	Rtx-624 0.25(mm)
460-322205-5	RDI-MW-02I_20250314	03/19/2025 14:45	1	A23700.D	Rtx-624 0.25(mm)
460-322205-1	RDI-MW-03S_20250313	03/19/2025 15:10	1	A23701.D	Rtx-624 0.25(mm)
460-322205-2	RDI-MW-03I_20250313	03/19/2025 15:34	1	A23702.D	Rtx-624 0.25(mm)
460-322205-3	RDI-MW-03D_20250313	03/19/2025 15:59	1	A23703.D	Rtx-624 0.25(mm)
460-322205-4	RDI-MW-02D_20250313	03/19/2025 16:23	1	A23704.D	Rtx-624 0.25(mm)
460-322205-6	RDI-MW-02S_20250314	03/19/2025 16:48	1	A23705.D	Rtx-624 0.25(mm)
460-322205-7	RDI-MW-01S_20250314	03/19/2025 17:12	1	A23706.D	Rtx-624 0.25(mm)
460-322205-8	RDI-MW-01I_20250314	03/19/2025 17:36	1	A23707.D	Rtx-624 0.25(mm)
460-322205-9	RDI-MW-01D_20250314	03/19/2025 18:01	1	A23708.D	Rtx-624 0.25(mm)
460-322205-10	RDI-MW-X_20250314	03/19/2025 18:25	1	A23709.D	Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1023688 Batch Start Date: 03/01/25 13:51 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	524FREONS 00031	7 Freons Hi 00025	7 Freons SS 00024	8260 SP 00190
BFB 460-1023688/1		8260D			5 mL	5 mL				
STD7 460-1023688/3 IC		8260D			5 mL	5 mL				
STD1 460-1023688/4 IC		8260D			5 mL	5 mL	10 uL			
STD5 460-1023688/5 IC		8260D			5 mL	5 mL	10 uL			
STD20 460-1023688/6 ICIS		8260D			5 mL	5 mL	20 uL			
STD50 460-1023688/7 IC		8260D			5 mL	5 mL	50 uL			
STD200 460-1023688/8 IC		8260D			5 mL	5 mL		20 uL		
STD500 460-1023688/9 IC		8260D			5 mL	5 mL		50 uL		
ICV 460-1023688/17		8260D			5 mL	5 mL			20 uL	20 uL
STD8 460-1023688/40 IC		8260D			5 mL	5 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260ISNEW 00210	8260MIX1COMB 00201	8260SURR250 00253	ACROLEIN SP 00175	ACROLEIN W 00180	ACRY/EPIH MIX 00135
BFB 460-1023688/1		8260D								
STD7 460-1023688/3 IC		8260D			1 uL		1 uL			20 uL
STD1 460-1023688/4 IC		8260D			1 uL	10 uL	1 uL		4 uL	
STD5 460-1023688/5 IC		8260D			1 uL	10 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1023688 Batch Start Date: 03/01/25 13:51 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260ISNEW 00210	8260MIX1COMB 00201	8260SURR250 00253	ACROLEIN SP 00175	ACROLEIN W 00180	ACRY/EPIH MIX 00135
STD20 460-1023688/6 ICIS		8260D			1 uL	20 uL	1 uL		4 uL	
STD50 460-1023688/7 IC		8260D			1 uL	50 uL	1 uL		10 uL	
STD200 460-1023688/8 IC		8260D			1 uL		1 uL		20 uL	
STD500 460-1023688/9 IC		8260D			1 uL		1 uL		40 uL	
ICV 460-1023688/17		8260D			1 uL		1 uL	4 uL		
STD8 460-1023688/40 IC		8260D			1 uL	2 uL	1 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	BFB 00038	Ethanol mix 00099	GAS C SP 00612	GAS Hi 00490	GASES Li 00629	MIX 2 Hi 00159
BFB 460-1023688/1		8260D			1 uL					
STD7 460-1023688/3 IC		8260D							2.5 uL	
STD1 460-1023688/4 IC		8260D							10 uL	
STD5 460-1023688/5 IC		8260D							10 uL	
STD20 460-1023688/6 ICIS		8260D							20 uL	
STD50 460-1023688/7 IC		8260D							50 uL	
STD200 460-1023688/8 IC		8260D				20 uL		20 uL		20 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1023688 Batch Start Date: 03/01/25 13:51 Batch Analyst: Starzec, Margaret

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	BFB 00038	Ethanol mix 00099	GAS C SP 00612	GAS Hi 00490	GASES Li 00629	MIX 2 Hi 00159
STD500 460-1023688/9 IC		8260D				50 uL		50 uL		50 uL
ICV 460-1023688/17		8260D					20 uL			
STD8 460-1023688/40 IC		8260D								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MIX I Hi 00186					
BFB 460-1023688/1		8260D								
STD7 460-1023688/3 IC		8260D								
STD1 460-1023688/4 IC		8260D								
STD5 460-1023688/5 IC		8260D								
STD20 460-1023688/6 ICIS		8260D								
STD50 460-1023688/7 IC		8260D								
STD200 460-1023688/8 IC		8260D			20 uL					
STD500 460-1023688/9 IC		8260D			50 uL					
ICV 460-1023688/17		8260D								
STD8 460-1023688/40 IC		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1023688 Batch Start Date: 03/01/25 13:51 Batch Analyst: Starzec, Margaret

Batch Method: 8260D 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1026611 Batch Start Date: 03/19/25 07:49 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	524FREONS 00031	8260ISNEW 00210	8260MIX1COMB 00201
CCVIS 460-1026611/3		8260D			5 mL	5 mL		20 uL	1 uL	20 uL
LCS 460-1026611/4		8260D			5 mL	5 mL		20 uL	1 uL	20 uL
LCSD 460-1026611/5		8260D			5 mL	5 mL		20 uL	1 uL	20 uL
MB 460-1026611/9		8260D			5 mL	5 mL			1 uL	
460-322205-A-5 MS	RDI-MW-02I_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units	20 uL	1 uL	20 uL
460-322205-A-5 MSD	RDI-MW-02I_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units	20 uL	1 uL	20 uL
460-322205-B-11	RDI-TB_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-12	RDI-FB_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-5	RDI-MW-02I_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-1	RDI-MW-03S_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-2	RDI-MW-03I_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-3	RDI-MW-03D_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-4	RDI-MW-02D_20250313	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-6	RDI-MW-02S_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-7	RDI-MW-01S_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-8	RDI-MW-01I_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-9	RDI-MW-01D_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	
460-322205-B-10	RDI-MW-X_20250314	8260D	Water	T	5 mL	5 mL	<2 PH Units		1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260SURR250 00253	ACROLEIN W 00181	GASES Li 00631			
CCVIS 460-1026611/3		8260D			1 uL	4 uL	20 uL			
LCS 460-1026611/4		8260D			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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-322205-1

SDG No.:

Batch Number: 1026611 Batch Start Date: 03/19/25 07:49 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260SURR250 00253	ACROLEIN W 00181	GASES Li 00631			
LCSD 460-1026611/5		8260D			1 uL	4 uL	20 uL			
MB 460-1026611/9		8260D			1 uL					
460-322205-A-5 MS	RDI-MW-02I_20250314	8260D	Water	T	1 uL	4 uL	20 uL			
460-322205-A-5 MSD	RDI-MW-02I_20250314	8260D	Water	T	1 uL	4 uL	20 uL			
460-322205-B-11	RDI-TB_20250313	8260D	Water	T	1 uL					
460-322205-B-12	RDI-FB_20250313	8260D	Water	T	1 uL					
460-322205-B-5	RDI-MW-02I_20250314	8260D	Water	T	1 uL					
460-322205-B-1	RDI-MW-03S_20250313	8260D	Water	T	1 uL					
460-322205-B-2	RDI-MW-03I_20250313	8260D	Water	T	1 uL					
460-322205-B-3	RDI-MW-03D_20250313	8260D	Water	T	1 uL					
460-322205-B-4	RDI-MW-02D_20250313	8260D	Water	T	1 uL					
460-322205-B-6	RDI-MW-02S_20250314	8260D	Water	T	1 uL					
460-322205-B-7	RDI-MW-01S_20250314	8260D	Water	T	1 uL					
460-322205-B-8	RDI-MW-01I_20250314	8260D	Water	T	1 uL					
460-322205-B-9	RDI-MW-01D_20250314	8260D	Water	T	1 uL					
460-322205-B-10	RDI-MW-X_20250314	8260D	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.

Shipping and Receiving Documents

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Charles MacArthur	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-192399-125873.1
Client Contact: Ms. Adrianna Bosco	Phone: 203-505-3295	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: AKRF Inc	PWSID:	Analysis Requested		Job #: 322205
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			Preservation Codes: A HCL
City: New York	TAT Requested (days): 5			
State, Zip: NY 10016	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 190204			
Email: abosco@akrf.com	WO #:			
Project Name: 521 East Tremont Ave, Bronx, NY	Project #: 46030002			
Site:	SSOW#:			

460-322205 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D Chlorinated Compound List	Total Num	Special Instructions/Note:
			Preservation Code:				A		
RDI-MW-03S_20250313	3/13/25	1320	G	Water			X		1
RDI-MW-03I_20250313	3/13/25	1217	G	Water			X		2
RDI-MW-03D_20250313	3/13/25	1545	G	Water			X		3
RDI-MW-02D_20250313	3/13/25	1700	G	Water			X		4
RDI-MW-02I_20250314	3/14/25	1240	G	Water		X	X		5
RDI-MW-02S_20250314	3/14/25	0950	G	Water			X		6
RDI-MW-01S_20250314	3/14/25	0845	G	Water			X		7
RDI-MW-01I_20250314	3/14/25	1130	G	Water			X		8
RDI-MW-01D_20250314	3/14/25	1410	G	Water			X		9
RDI-MW-X_20250314	3/14/25	1410	G	Water			X		10
RDI-TB_20250313	3/13/25	1400	G	Water			X		11

ELMSFORD 212

Page 005 of 008

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Cat B Equis EDDs	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Charles MacArthur	3/14/25 1430	AKRF		3-14-25 1440	ETN
2		3-14-25 1700			13-1425 12:00	EET
3		3-14-25 18:45	EET		3/14/25 1845	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
	no/esr #9 1.3/1.7	

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-192399-125873.2
Client Contact: Ms. Adrianna Bosco	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: AKRF Inc	PWSID:			Job #: 372705
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5			
State, Zip: NY 10016	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 190204			
Email: abosco@akrf.com	WO #:			
Project Name: 521 East Tremont Ave, Bronx, NY	Project #: 46030002			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: A HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D Chlorinated Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RDI-FB_20250313	3/13/25	1400	G	Water			X	12	
				Water					
				Water					

Page 000 of 000

ELN: 272

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify) Cat b Equis EDDs

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Charles MacArthur	3/14/25 1430	AKRF	ETA	3-14-25 1440	ETA
ETA	3-14-25 1700			3/14/25 1200	ECT
	3/14/25 18:45	ECT		3/14/25 1845	PEST

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Job Number: 320105

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	13 °C	17 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

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

If pH adjustments are required record the information below:

Sample No(s). adjusted. _____

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

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

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

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

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 3-14-25

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-322205-1

Login Number: 322205
List Number: 1
Creator: Casallas, Angela C

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

April 9, 2025

Ms. Adrianna Bosco
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Eurofins Edison – 460-322205-1

Dear Ms. Bosco:

The evaluation of volatile organic analytical data by Eurofins Edison for 10 water samples, one field blank and one trip blank from the 521 East Tremont Ave, Bronx, NY site, which were reported in a single data package under Job No. 460-322205-1 has been completed. The following samples were reported:

RDI-MW-03S_20250313	RDI-MW-03I_20250313
RDI-MW-03D_20250313	RDI-MW-02D_20250313
RDI-MW-02I_20250314	RDI-MW-02S_20250314
RDI-MW-01S_20250314	RDI-MW-01I_20250314
RDI-MW-01D_20250314	RDI-MW-X_20250314
RDI-TB_20250313	RDI-FB_20250313

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?	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

Overall Evaluation

Based on the data review effort, results are usable as reported. Sample results are not qualified as a result of the data review effort.

A copy of the chain of custody record is provided in Attachment A. 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

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 sample collection dates of March 13 and 14, 2025. The samples were received at the laboratory on March 14, 2025. All samples were received intact and analyzed within method holding time.

Field Duplicates

RDI-MW-X_20250314 was submitted as a field duplicate of RDI-MW-01D_20250314. Precision between paired samples is acceptable (RPD≤30) as presented below. Results below the reporting limit are not evaluated.

Analyte	RDI-MW-01D_20250314 (µg/L)	RDI-MW-X_20250314 (µg/L)	RPD
Chloroform	0.75 (J)	0.51 (J)	nc

nc=not calculated

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

CHAIN OF CUSTODY (COC)

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Charles MacArthur	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-192399-125873.1
Client Contact: Ms. Adrianna Bosco	Phone: 203-505-3295	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: AKRF Inc	PWSID:	Analysis Requested		Job #: 322205
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			Preservation Codes: A HCL
City: New York	TAT Requested (days): 5			
State, Zip: NY 10016	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 190204			
Email: abosco@akrf.com	WO #:			
Project Name: 521 East Tremont Ave, Bronx, NY	Project #: 46030002			
Site:	SSOW#:			

460-322205 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D Chlorinated Compound List	Total Num	Special Instructions/Note:
			Preservation Code:				A		
RDI-MW-03S_20250313	3/13/25	1320	G	Water			X		1
RDI-MW-03I_20250313	3/13/25	1217	G	Water			X		2
RDI-MW-03D_20250313	3/13/25	1545	G	Water			X		3
RDI-MW-02D_20250313	3/13/25	1700	G	Water			X		4
RDI-MW-02I_20250314	3/14/25	1240	G	Water		X	X		5
RDI-MW-02S_20250314	3/14/25	0950	G	Water			X		6
RDI-MW-01S_20250314	3/14/25	0845	G	Water			X		7
RDI-MW-01I_20250314	3/14/25	1130	G	Water			X		8
RDI-MW-01D_20250314	3/14/25	1410	G	Water			X		9
RDI-MW-X_20250314	3/14/25	1410	G	Water			X		10
RDI-TB_20250313	3/13/25	1400	G	Water			X		11

ELMSFORD 272

Page 005 of 008

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify) Lotus EQuIS EDDs

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Charles MacArthur	3/14/25 1430	AKRF		3-14-25 1440	ETN
2		3-14-25 1700			13-1425 12:00	EET
3		3-14-25 18:45	EET		3/14/25 1845	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. no/esr #9 1/3/17 | Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-192399-125873.2
Client Contact: Ms. Adrianna Bosco	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 3
Company: AKRF Inc	PWSID:	Analysis Requested		Job #: 372705
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			Preservation Codes: A HCL
City: New York	TAT Requested (days): 5			
State, Zip: NY 10016	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 190204			
Email: abosco@akrf.com	WO #:			
Project Name: 521 East Tremont Ave, Bronx, NY	Project #: 46030002			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D Chlorinated Compound List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RDI-FB_20250313	3/13/25	1400	G	Water			X	12	
				Water					
				Water					

Page 000 of 000

ELN-1272

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Cat b Equis EDDs	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Charles MacArthur	3/14/25 1430	AKRF	ETA	3-14-25 1440	ETA
ETA	3-14-25 1700			3/14/25 1200	ETA
	3/14/25 18:45	ETA		3/14/25 1845	ETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

APPENDIX C
INVESTIGATION-DERIVED WASTE DISPOSAL MANIFEST

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
			631-595-5900	NAWA15087

5. Generator's Name and Mailing Address
321 EAST TREMONT HOUSING DEV. FUND CORP
4802 25th AVENUE, SUITE 400
ASTORIA, NY 11103
Generator's Phone:

Generator's Site Address (if different than mailing address)
321 EAST TREMONT AVENUE
BRONX, NY 10457

6. Transporter 1 Company Name
AARCO ENVIRONMENTAL SERVICES
U.S. EPA ID Number
NYT080107326

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
DALE TRANSFER CORPORATION
129 DALE STREET, WEST BABYLON NY 11704
Facility's Phone: 631-393-2862
U.S. EPA ID Number
N/A

GENERATOR

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NON-REGULATED LIQUIDS (WATER)	14	DM	4,900	P	
	2. NO-REGULATED SOLIDS (SOIL)	5	DM	1,750	P	
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1 2023-0637 (14 x 55g)
2 2023-0636 (5 x 50)
AARCO WO# 275087 TRUCK# B457

14. 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.

Generator's/Offeror's Printed/Typed Name
Signature
Month 9 Day 3 Year 25

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Joshuwn Davis
Signature: J. Davis
Month 9 Day 3 Year 25

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

APPENDIX D
SSDS AND GROUNDWATER TREATMENT DESIGN DRAWINGS

GENERAL NOTES

1. DRAWING SET SHALL NOT BE USED FOR STRUCTURAL, ARCHITECTURAL, ELECTRICAL, PLUMBING, OR OTHER REFERENCE EXCEPT FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM.

2. COORDINATE ALL WORK FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM WITH OTHER TRADES BEFORE INSTALLATION, INCLUDING SLAB, ABOVEGROUND PIPING, AND ROOF PENETRATIONS.

3. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION WATERPROOFING AND INSULATION REQUIREMENTS.

4. ANY DEVIATION FROM THIS INSTALLATION MUST BE SUBMITTED TO THE OWNER FOR APPROVAL.

5. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL PIPE LAYOUTS, SUB-SLAB SLEEVE, SLAB PENETRATION, AND RISER LOCATIONS FOR APPROVAL PRIOR TO INSTALLATION..

6. INSTALLATION OF THE SUB-SLAB COMPONENTS AND VENT AND RISER PIPING, AND ROOF PENETRATIONS MUST BE COORDINATED WITH OTHER TRADES FOR THE INSTALLATION OF OTHER UTILITIES AND STRUCTURAL COMPONENTS. LOCATIONS OF RISER PIPE FROM SUB-SLAB TO ROOF SHALL BE COORDINATED WITH ARCHITECT AND MECHANICAL ENGINEER. RISER PIPE SHALL BE EXTENDED TO THE ROOF WITH MINIMAL CHANGES IN DIRECTION.

7. ALL SOLID HORIZONTAL PIPE RUNS MUST BE PITCHED A MINIMUM OF 1/8 INCH VERTICAL PER FOOT HORIZONTAL (1% SLOPE) TOWARDS EACH SECTION OF SLOTTED VENTING PIPE. THE SYSTEM SHALL BE INSTALLED SUCH THAT NO PORTION WILL ALLOW EXCESS ACCUMULATION OF CONDENSATION. SOLID UNDERGROUND PIPING MAY BE PITCHED TO SSDS CONDENSATE DRAIN, SHOULD THEY BE NECESSARY (SEE DETAIL 9, ENV-102.00).

8. ALL CONNECTIONS AT PIPE FITTINGS AND JOINTS SHALL BE LEAK FREE. THIS SHALL BE DEMONSTRATED BY THE PERFORMANCE OF A POSITIVE 5 POUNDS PER SQUARE INCH (PSI) (MIN.) PRESSURE TEST FOLLOWING PIPE/FITTINGS ASSEMBLY BY THE CONTRACTOR. UNLESS OTHERWISE SPECIFIED, ALL UNDERGROUND PIPING SHALL BE CONSTRUCTED OF 4 INCH SCHEDULE 40 PVC AND ALL ABOVEGROUND RISER PIPING SHALL BE CONSTRUCTED OF 4 INCH OR 6 INCH SCHEDULE 40 GALVANIZED PIPE AS SHOWN ON DRAWINGS.

9. RISER PIPE SHALL BE PERMANENTLY IDENTIFIED WITHIN EACH FLOOR LEVEL. BACKGROUND SHALL BE SAFETY BLUE WITH WHITE LETTERING. LETTERING SHALL READ: “CAUTION: DO NOT ALTER. SUBSURFACE VAPOR VENT PIPE.”

10. EXHAUST STACK SHALL BE SECURELY ANCHORED WITH ADEQUATE STRUCTURAL SUPPORTS.

11. SSDS DESIGN DETAILS AND DRAWINGS ARE ADAPTED FROM EPA DOCUMENT EPA/625/R-92/016.

12. SYSTEM INSTALLATION SHALL ADHERE TO: OCTOBER 2006 FINAL GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK PREPARED BY NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH), ALL APPLICABLE PORTIONS OF THE BUILDING CODE OF THE CITY OF NEW YORK. POINT OF EXHAUST SHALL BE:
    - MINIMUM 10 FEET ABOVE MAIN ROOF OR MINIMUM 6 INCHES ABOVE BULKHEAD PARAPET.
    - AT LEAST 25 FEET FROM ANY ADJOINING OR ADJACENT BUILDINGS, OPERABLE WINDOWS, HVAC INTAKES, SUPPLY REGISTERS, OR ANY OTHER AIR INLETS.

13. CONTRACTOR TO ENSURE THAT TRANSITIONS BETWEEN VAPOR BARRIER AND WATERPROOFING ARE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND WILL NOT AFFECT THE WARRANTY OF EITHER PRODUCT.

14. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL PENETRATIONS THROUGH SUBGRADE FOUNDATION ELEMENTS, INCLUDING GRADE BEAMS FOR APPROVAL BY ENGINEER.

CODE COMPLIANCE NOTES

1. THE ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM COMPLY WITH THE REQUIREMENTS OF THE 2014 NYC MECHANICAL CODE SECTION 512, “SUB-SLAB SOIL EXHAUST SYSTEMS.”

2. ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM IS NOT “HAZARDOUS EXHAUST SYSTEMS” AS DEFINED IN THE 2014 NYC MECHANICAL CODE SECTION 510.

3. 2014 NYC MECHANICAL CODE CHAPTER 6, “DUCT SYSTEMS”, PARAGRAPH 601.4, “CONTAMINATION PREVENTION” DOES NOT APPLY TO THE SUB-SLAB DEPRESSURIZATION RISERS, WHICH ARE NOT UNDER PRESSURE.

4. 2014 NYC MECHANICAL CODE CHAPTER 6, “DUCT SYSTEMS”, PARAGRAPH 607.5.5.2, “LIMITATIONS” DOES NOT APPLY TO THE SUB-SLAB DEPRESSURIZATION SYSTEM RISERS; HOWEVER, THE DESIGN DOES NOT ALLOW FOR INSTALLATION OF SSDS RISERS IN SHAFTS OR CHASES THAT CONTAIN DUCTWORK CONTAINING ENVIRONMENTAL AIR.

5. ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM NOT DESIGNED TO VENT METHANE OR RADON.

SPECIAL INSPECTIONS	
MECHANICAL SYSTEMS	BC 17404.18
FIRE-RESISTANT PENETRATIONS AND JOINTS	BC 1704.27
POST INSTALLED ANCHORS	BC 1704.32
PROGRESS INSPECTIONS	
N/A	N/A
THE CONTRACTOR MUST NOTIFY THE RELEVANT SPECIAL INSPECTOR OR SPECIAL INSPECTION AGENCY IN WRITING FOR SPECIAL INSPECTIONS AT LEAST 72 HOURS BEFORE THE SPECIFIC WORK COMMENCES	

DRAWING LIST

DRAWING NO.	DRAWING TITLE
ENV-001.00	SSDS SYSTEM LIST OF DRAWINGS, NOTES, AND INSPECTIONS
ENV-100.00	SSDS AND VAPOR BARRIER UNDERGROUND PLAN
ENV-101.00	SSDS RISER PLAN
ENV-102.00	SSDS/VAPOR BARRIER DETAILS I
ENV-103.00	SSDS/VAPOR BARRIER DETAILS II
ENV-104.00	SSDS EQUIPMENT SCHEDULE AND PROCESS FLOW DIAGRAM
EN-001.00	ENERGY CONSERVATION CODE COMPLIANCE

SCOPE OF WORK

INSTALLATION OF AN ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM INCLUDING: SUB-SLAB GRAVEL AND SLOTTED/SOLID PVC PIPING; SYSTEM MANIFOLDS AND ACCESSORIES; ABOVE GROUND INTERIOR STEEL PIPING; ROOF-MOUNTED VENT STACK WITH A FAN (FOR ACTIVE SSDS), AND CARBON VESSELS

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1
DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:
SSDS SYSTEM LIST OF DRAWINGS, NOTES, AND INSPECTIONS

SEAL & SIGNATURE:

DATE: 02/28/2025
PROJECT No: 22011.00
DRAWN BY: MRV
CHECKED BY: EP
DRAWING No:
ENV-001.00
CADD FILE No:
OF

©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mwilleux 6/5/2025 3:54 PM

© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024. ALL RIGHTS RESERVED



1 ENV-100 SUBSLAB DEPRESSURIZATION SYSTEM AND VAPOR BARRIER/WATERPROOFING LAYOUT

SCALE IN FEET (0, 2.5, 5, 10)

NOTE: PIPE SPACING NOT TO SCALE



2 ENV-100 KEY MAP

SCALE IN FEET (0, 20, 40, 80)

NOTES

1. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES EXCEPT FOR THE VENTING SYSTEM AND VAPOR BARRIER.

2. COORDINATE ALL WORK FOR VENTING SYSTEM INSTALLATION WITH OTHER TRADES BEFORE INSTALLATION.

3. THE FULL EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE FLOOR SLABS SHALL BE LINED WITH GAS PERMEABLE AGGREGATE AND VAPOR BARRIER EXCEPT AS NOTED ON THIS DRAWING AND AS REQUIRED BY FOUNDATION ELEMENT LAYOUTS IN STRUCTURAL PLANS. ALL DEVIATIONS SHALL BE PROPOSED IN SHOP DRAWING SUBMITTALS PRIOR TO INSTALLATION IN THE FIELD.

4. SLOPE SOLID HORIZONTAL VENTING SYSTEM PIPE A MINIMUM OF 1% UNIFORMLY TOWARDS THE VENTING SYSTEM SLOTTED PIPING OR CONDENSATE DRAIN.

5. CONDENSATE DRAIN LOCATIONS TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY ENGINEER. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING PIPE INVERTS, CONDENSATE DRAIN LOCATIONS, AND DRAIN DETAILS TO ENGINEER FOR APPROVAL.

6. REFER TO DRAWINGS ENV-101 THROUGH ENV-104 FOR VENTING SYSTEM PIPING, RISER, GAS VAPOR BARRIER, GAS PERMEABLE AGGREGATE, AND EXHAUST STACK DETAILS AND SECTIONS.

7. CONTRACTORS TO SUPPLY SHOP DRAWINGS OF PROPOSED PIPE LAYOUTS & PIPE INVERTS IN COORDINATION WITH LATEST FOUNDATION PLANS TO ENSURE ACCEPTABLE PIPE PITCH & INSTALLATION DETAILS.

8. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AGAINST ARCHITECTURAL AND BUILDING PLANS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

9. BASE MAP FROM AUFGANG ARCHITECTS, "DRAWING FO-100, FOUNDATION PLAN, REVISION DATE 1/17/2025.

10. GAS PERMEABLE AGGREGATE SHALL HAVE NOMINAL SIZE OF 1 INCH TO 1/2 INCH AND COMFORM TO ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE SIZE #5 AS PER THE TABLE BELOW:

ASTM #5 AGGREGATE GRADATION (FOR PIPE TRENCHES)

SIEVE SIZE	PERCENT FINER BY WEIGHT
1.5 inch	100
1 inch	90 to 100
3/4 inch	20 to 55
1/2 inch	0 to 10
3/8 inch	0 to 5

MONITORING POINT LOCATIONS

ID	BUILDING ROOM NAME
MP-1	FRONT DESK
MP-2	STAIR B VESTIBULE
MP-3	WESTERN CORRIDOR

LEGEND

- EXTENT OF VAPOR BARRIER AND GAS PERMEABLE AGGREGATE UNDER SLAB
- PIPE SLEEVE THROUGH GRADE BEAM (SEE DETAIL 5 ON ENV-102)
- COMMUNICATION SLEEVE THROUGH FOUNDATION ELEMENT (SEE DETAIL 4 ON ENV-102)
- 4" Ø SLOTTED SCHEDULE 40 PVC PIPE WITH PVC END CAP
- 4" Ø SOLID SCHEDULE 40 PVC PIPE
- SSDS-1 — 4" Ø RISER SLAB PENETRATION (SEE DETAIL 6 ON ENV-102)
- MP-1 — VACUUM MONITORING POINT (SEE DETAIL 7 ON ENV-102)

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M.E.P. ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:

SSDS AND VAPOR BARRIER UNDERGROUND PLAN

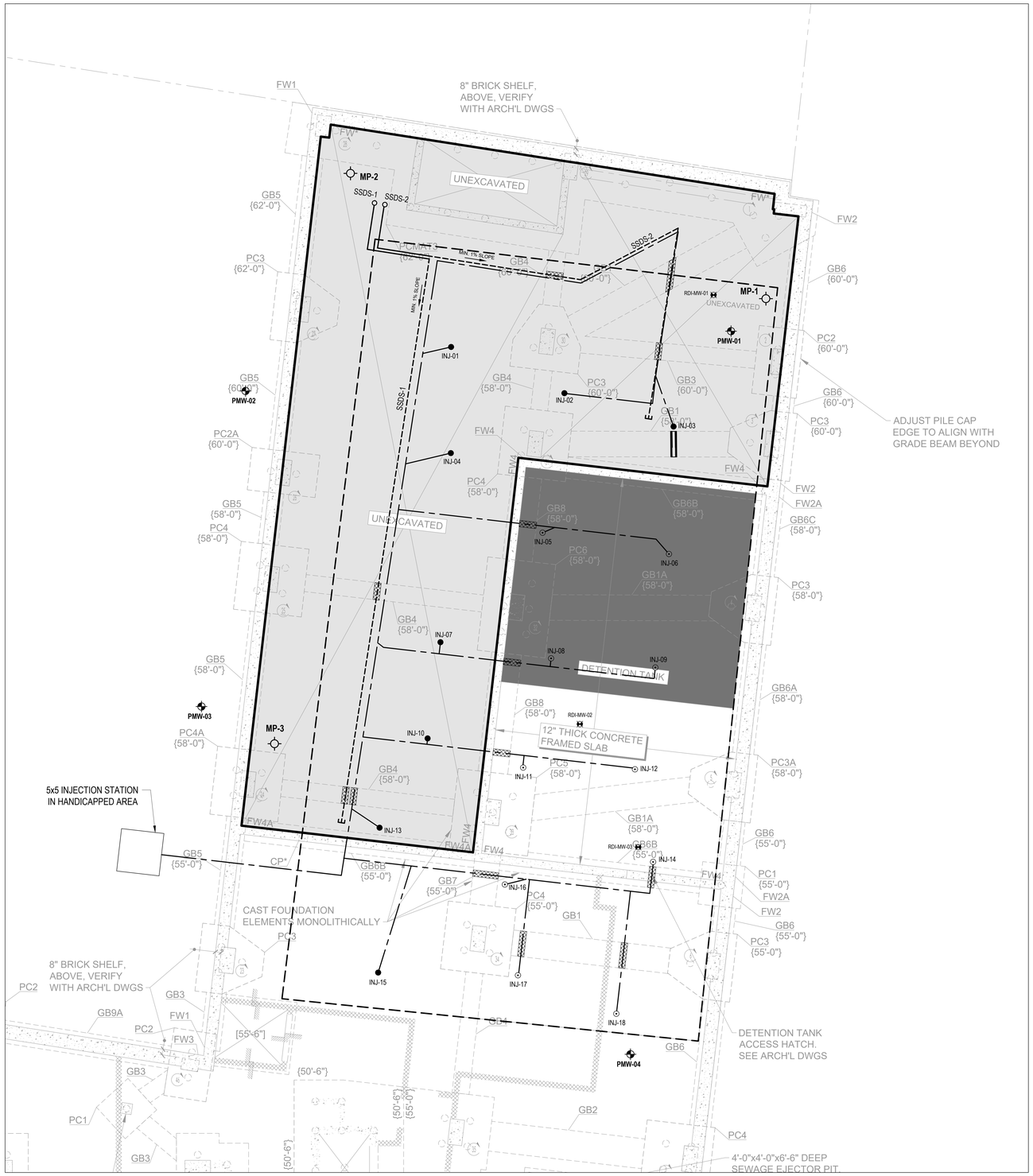
SEAL & SIGNATURE:

DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	ENV-100.00
CADD FILE No:	

OF

©2025 AKRF, Inc. Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mwilleux 6/5/2025 3:54 PM

© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024. ALL RIGHTS RESERVED



1 ENV-100 CONTINGENT INJECTION WELL SYSTEM

SCALE IN FEET: 0 2.5 5 10

NOTE: PIPE SPACING NOT TO SCALE



2 ENV-100 KEY MAP

SCALE IN FEET: 0 20 40 80

NOTES

1. THIS PLAN SHALL NOT TO BE USED FOR STRUCTURAL, ARCHITECTURAL OR OTHER REFERENCE PURPOSES EXCEPT FOR THE VENTING AND INJECTION WELL SYSTEMS AND VAPOR BARRIER.

2. COORDINATE ALL WORK FOR VENTING AND INJECTION WELL SYSTEMS INSTALLATION WITH OTHER TRADES BEFORE INSTALLATION.

3. EXISTING SOIL SHALL BE EXCAVATED AND SUBSURFACE PREPARATION SHALL BE PERFORMED PER SPECIFICATIONS AND REMEDIAL ACTION WORK PLANS AND GEOTECHNICAL REPORT.

4. THE FULL EXTENTS OF THE BUILDING CONSTRUCTION BENEATH THE FLOOR SLABS SHALL BE LINED WITH GAS PERMEABLE AGGREGATE AND VAPOR BARRIER EXCEPT AS NOTED ON THIS DRAWING AND AS REQUIRED BY FOUNDATION ELEMENT LAYOUTS IN STRUCTURAL PLANS. ALL DEVIATIONS SHALL BE PROPOSED IN SHOP DRAWING SUBMITTALS PRIOR TO INSTALLATION IN THE FIELD.

5. SLOPE SOLID HORIZONTAL VENTING SYSTEM PIPE A MINIMUM OF 1% UNIFORMLY TOWARDS THE VENTING SYSTEM SLOTTED PIPING OR CONDENSATE DRAIN.

6. CONDENSATE DRAIN LOCATIONS TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY ENGINEER. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING PIPE INVERTS, CONDENSATE DRAIN LOCATIONS, AND DRAIN DETAILS TO ENGINEER FOR APPROVAL.

7. REFER TO DRAWINGS ENV-101 THROUGH ENV-105 FOR VENTING SYSTEM PIPING, RISER, GAS VAPOR BARRIER, GAS PERMEABLE AGGREGATE, AND EXHAUST STACK DETAILS AND SECTIONS.

8. CONTRACTORS TO SUPPLY SHOP DRAWINGS OF PROPOSED PIPE LAYOUTS & PIPE INVERTS IN COORDINATION WITH LATEST FOUNDATION PLANS TO ENSURE ACCEPTABLE PIPE PITCH & INSTALLATION DETAILS.

9. ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED AGAINST ARCHITECTURAL AND BUILDING PLANS. NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

10. BASE MAP FROM AUFGANG ARCHITECTS, "DRAWING FO-100, FOUNDATION PLAN, REVISION DATE 1/17/2025.

11. GAS PERMEABLE AGGREGATE SHALL HAVE NOMINAL SIZE OF 1 INCH TO 1/2 INCH AND COMFORM TO ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATE SIZE #5 AS PER THE TABLE BELOW:

ASTM #5 AGGREGATE GRADATION (FOR PIPE TRENCHES)

SIEVE SIZE	PERCENT FINER BY WEIGHT
1.5 inch	100
1 inch	90 to 100
3/4 inch	20 to 55
1/2 inch	0 to 10
3/8 inch	0 to 5

MONITORING WELL LOCATIONS

ID	BUILDING ROOM NAME
PMW-1	FRONT DESK
PMW-2	PARKING SPOT 7
PMW-3	PARKING SPOT 3
PMW-4	COMMERCIAL SPACING

MONITORING POINT LOCATIONS

ID	BUILDING ROOM NAME
MP-1	FRONT DESK
MP-2	STAIR B VESTIBULE
MP-3	WESTERN CORRIDOR

LEGEND

- EXTENT OF VAPOR BARRIER AND GAS PERMEABLE AGGREGATE UNDER SLAB
- PIPE SLEEVE THROUGH GRADE BEAM (SEE DETAIL 5 ON ENV-102)
- COMMUNICATION SLEEVE THROUGH FOUNDATION ELEMENT (SEE DETAIL 4 ON ENV-102)
- 4" Ø SLOTTED SCHEDULE 40 PVC PIPE WITH PVC END CAP
- 4" Ø SOLID SCHEDULE 40 PVC PIPE
- SSDS-1 — 4" Ø RISER SLAB PENETRATION (SEE DETAIL 6 ON ENV-102)
- MP-1 — VACUUM MONITORING POINT (SEE DETAIL 7 ON ENV-102)
- PMW-01 — POST REMEDIAL MONITORING WELL LOCATION
- APPROXIMATE EXTENT OF GROUNDWATER TREATMENT AREA
- ADD ALTERNATE INTERMEDIATE ZONE
- REMEDIAL DESIGN INVESTIGATION WELL LOCATION
- INJECTION TUBES
- CONTINGENT SINGLE SCREEN INJECTION WELL LOCATION
- CONTINGENT DOUBLE SCREEN INJECTION WELL LOCATION

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M.E.P. ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No.:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

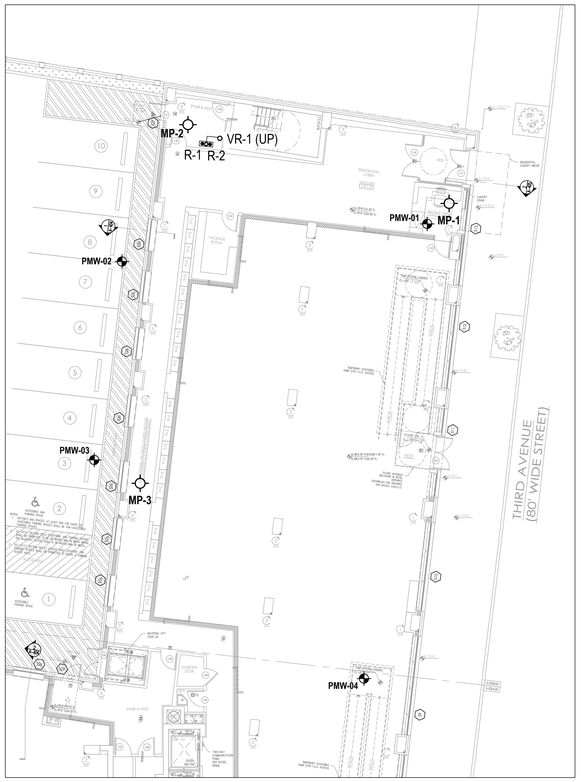
DRAWING TITLE:
SSDS, VAPOR BARRIER AND GROUNDWATER INJECTION SYYSTEM PLAN

SEAL & SIGNATURE:

DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	ENV-100.00
CADD FILE No:	

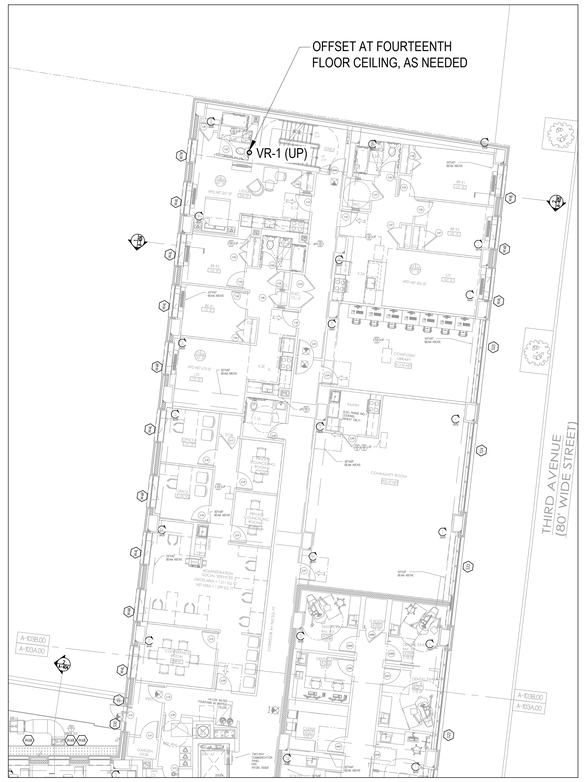
©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 20258.dwg last save: mvalleux 6/5/2025 3:54 PM

© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024, ALL RIGHTS RESERVED



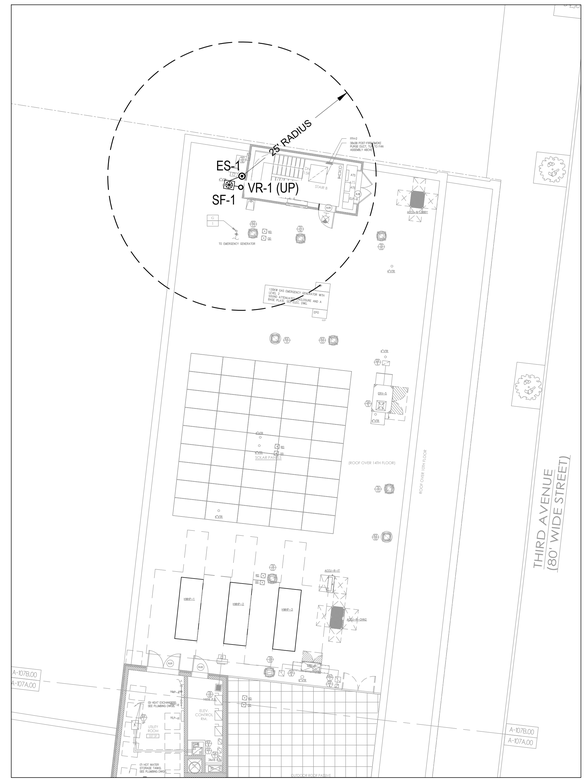
1 ENV-101 FIRST FLOOR

SCALE IN FEET 0 5 10 20



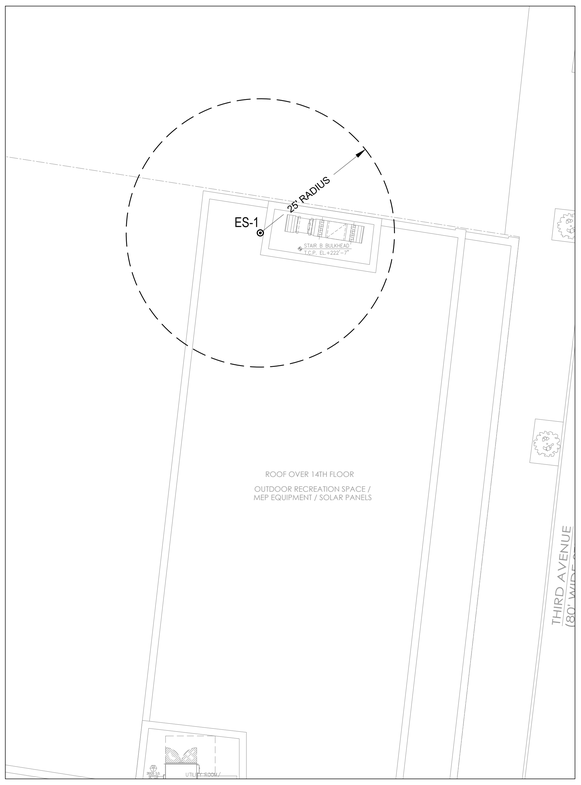
2 ENV-101 SECOND THROUGH FOURTEENTH FLOOR

SCALE IN FEET 0 5 10 20



3 ENV-101 ROOF

SCALE IN FEET 0 5 10 20



4 ENV-101 BULKHEAD

SCALE IN FEET 0 5 10 20

LEGEND

- 6" Ø SCH. 40 GALVANIZED STEEL PIPE
- SSDS MANIFOLD (SEE DETAIL 4 ON ENV-103)
- VR-1 — VERTICAL RISER AND IDENTIFICATION NUMBER
- MP-1 — VACUUM MONITORING POINT (SEE DETAIL 7 ON ENV-102)
- PMW-01 — POST REMEDIAL MONITORING WELL LOCATION
- (UP) (DOWN) — VERTICAL RISER OFFSET (SEE DETAIL 5 ON ENV-103)
- SF-1 ES-1 — SUCTION FAN AND EXHAUST STACK (SEE DETAIL 3 ON ENV-104)
- 25-FOOT RADIUS FROM EXHAUST STACK

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT:
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1
DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

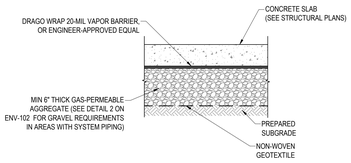
DRAWING TITLE:
SSDS RISER PLAN

SEAL & SIGNATURE:

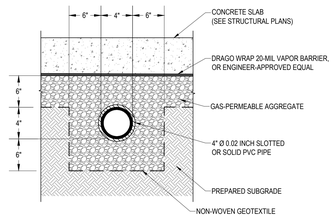
DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	ENV-101.00
CADD FILE No:	

©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mvelleux 6/5/2025 3:54 PM

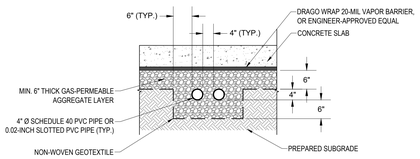
© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024, ALL RIGHTS RESERVED



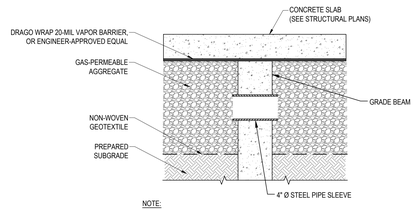
1 ENV-102 TYPICAL SECTION THROUGH BUILDING SUB-SLAB
Not to Scale



2 ENV-102 TYPICAL SSDS PIPE TRENCH DETAIL
Not to Scale



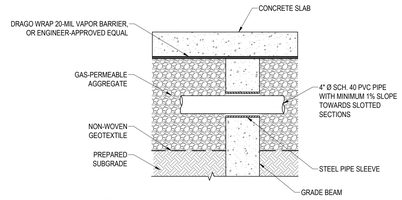
3 ENV-102 TYPICAL PIPE TRENCH WITH MULTIPLE SSDS PIPES
Not to Scale



NOTE:

1. SEE STRUCTURAL DRAWINGS FOR REQUIRED REBAR PLACEMENT AROUND PENETRATIONS THROUGH GRADE BEAMS.

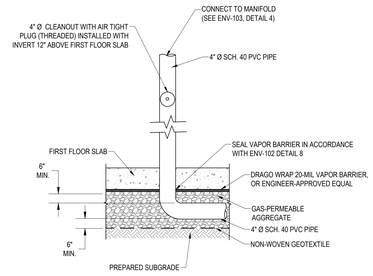
4 ENV-102 TYPICAL COMMUNICATION SLEEVE DETAIL
Not to Scale



NOTE:

1. SEE STRUCTURAL DRAWINGS FOR REQUIRED REBAR PLACEMENT AROUND PENETRATIONS THROUGH GRADE BEAMS.

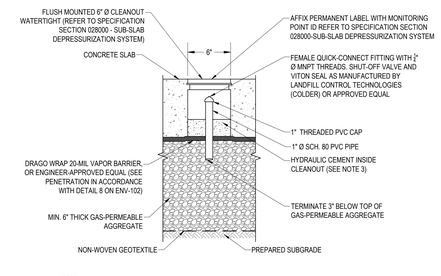
5 ENV-102 TYPICAL PIPE SLEEVE DETAIL
Not to Scale



NOTES:

1. NOT ALL FITTINGS SHOWN. CONTRACTOR SHALL SUBMIT SCALED SKETCH SHOWING PROPOSED PIPE JOINT LOCATIONS. ENGINEER'S APPROVAL OF PIPE JOINT LOCATIONS SHALL BE REQUIRED PRIOR TO CONSTRUCTION.
2. FURNISH ESCUTCHEONS AS SPECIFIED IN CONTRACT DRAWINGS.

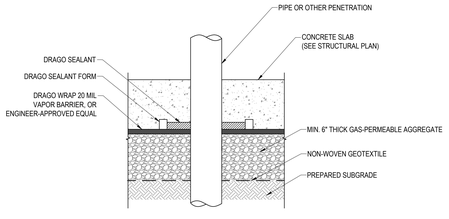
6 ENV-102 TYPICAL RISER SLAB PENETRATION
Not to Scale



NOTES:

1. ANY DEVIATION FROM THIS INSTALLATION MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. REFER TO SECTION 028000 FOR TYPICAL MONITORING POINT ACCESS COVER SPECIFICATION.
3. THREE INCHES OF HYDRAULIC CEMENT TO BE POURED INSIDE CLEANOUT OVER PROPERLY SEALED PENETRATION.

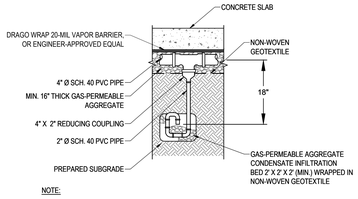
7 ENV-102 TYPICAL MONITORING POINT
Not to Scale



NOTE:

1. PROPERLY SEAL ALL VAPOR BARRIER PENETRATIONS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

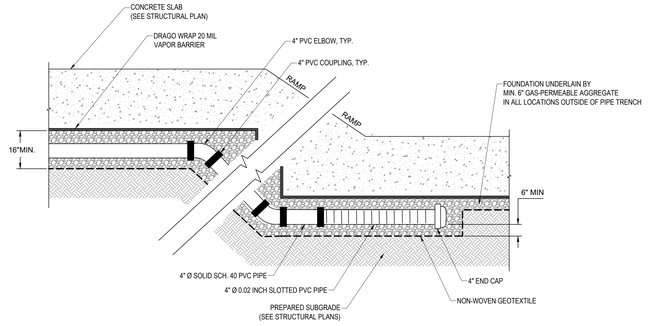
8 ENV-102 TYPICAL VAPOR BARRIER PENETRATION
Not to Scale



NOTE:

1. INSTALL, AS NECESSARY, AT ALL LOW POINTS IN SUB-SLAB DEPRESSURIZATION SYSTEM PIPING WHEN PIPING CANNOT BE SLOPED TO SLOTTED PIPING.

9 ENV-102 TYPICAL CONDENSATE DRAIN DETAIL
Not to Scale



NOTE:

1. USE THIS DETAIL FOR GAS-PERMEABLE AGGREGATE INSTALLATION AT ELEVATION CHANGE LOCATIONS WITHOUT PIPING.

11 ENV-102 TYPICAL PROFILE AT FLOOR ELEVATION CHANGE
Not to Scale

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:

521 TREMONT OWNER LLC.

48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT :

SLCE *ARCHITECTS, LLP*

1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:

DE NARDIS ENGINEERING, L.L.C.

239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:

SKYLINE ENGINEERING

42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:

SESI CONSULTING ENGINEERS

12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:

DEROSIER ENGINEERING

35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:

ETTINGER ENGINEERING ASSOCIATES

505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:

AKRF, INC

440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:

SSDS AND VAPOR BARRIER DETAILS I

SEAL & SIGNATURE:

DATE: 02/28/2025
PROJECT No: 22011.00
DRAWN BY: MRV
CHECKED BY: EP
DRAWING No:

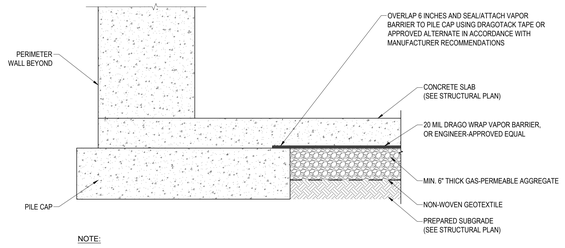
ENV-102.00

CADD FILE No:

OF

©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mveilleux 6/5/2025 3:54 P.M.

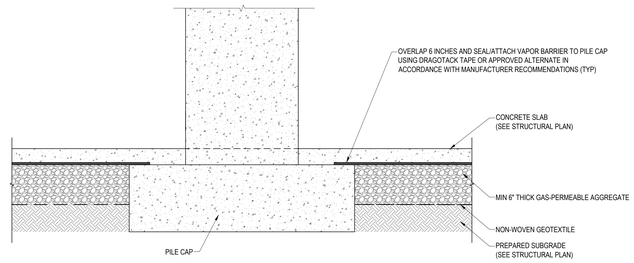
© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024, ALL RIGHTS RESERVED



NOTE:

1. SUBMIT SHOP DRAWINGS SHOWING VAPOR BARRIER TERMINATION DETAILS AT PILE CAPS, BUILDING PERIMETER, GRADE BEAMS, AND OTHER FOUNDATION ELEMENTS.

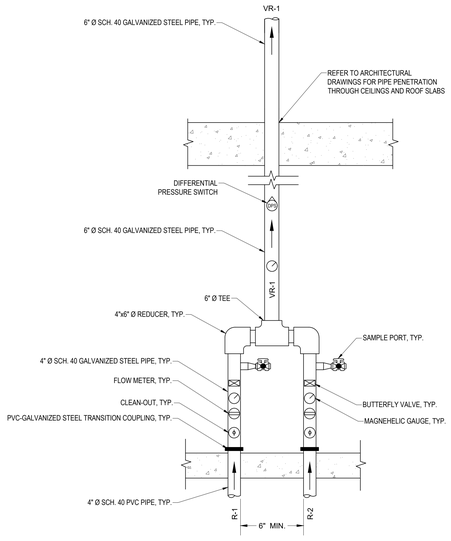
1 ENV-103 VAPOR BARRIER DETAIL AT TYPICAL EXTERIOR FOUNDATION WALL/PILE CAP
Not to Scale



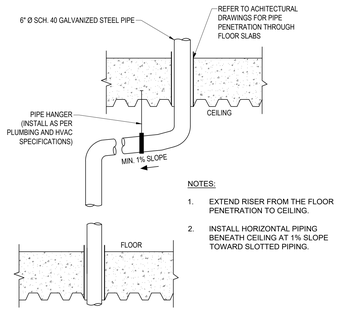
NOTE:

1. SUBMIT SHOP DRAWINGS SHOWING VAPOR BARRIER TERMINATION DETAILS AT PILE CAPS, BUILDING PERIMETER, AND OTHER FOUNDATION ELEMENTS.

2 ENV-103 VAPOR BARRIER DETAIL FOR TYPICAL INTERIOR PILE CAP WITH COLUMN
Not to Scale



3 ENV-103 TYPICAL SSDS PROFILE, PIPING MANIFOLD, AND PENETRATION DIAGRAM
Not to Scale



NOTES:

1. EXTEND RISER FROM THE FLOOR PENETRATION TO CEILING.
2. INSTALL HORIZONTAL PIPING BENEATH CEILING AT 1% SLOPE TOWARD SLOTTED PIPING.

4 ENV-103 TYPICAL PIPING OFFSET
Not to Scale

NOTES:

1. NOT ALL FITTINGS SHOWN. CONTRACTOR SHALL SUBMIT TO SCALE SKETCH SHOWING PROPOSED PIPE JOINT LOCATIONS. ENGINEER'S APPROVAL OF PIPE JOINT LOCATIONS SHALL BE REQUIRED PRIOR TO CONSTRUCTION.
2. FURNISH ESCUTCHEONS AS SPECIFIED.
3. FURNISH PIPE HANGERS AND WALL MOUNTS AS SPECIFIED IN PLUMBING AND HVAC SPECIFICATIONS AND DRAWINGS, AND AS REQUIRED BY NEW YORK CITY.
4. ALL HORIZONTAL PIPE RUNS (ABOVE GROUND AND UNDERGROUND) MUST BE PITCHED A MINIMUM OF $\frac{1}{8}$ INCH VERTICAL PER FOOT HORIZONTAL (1% SLOPE) TOWARDS SSDS SLOTTED PIPE OR CONDENSATE DRAIN. THE SYSTEM SHALL BE INSTALLED SUCH THAT NO PORTION WILL ALLOW EXCESS ACCUMULATION OF CONDENSATION.
5. FLOW METERS TO BE INSTALLED WITH MINIMUM CLEARANCE AS PER MANUFACTURER SPECIFICATIONS.
6. PROVIDE ACCESS DOORS FOR CLEAN OUTS AND GAUGES (SEE ARCHITECTURAL DRAWINGS), AS NECESSARY.
7. DIFFERENTIAL PRESSURE SWITCH SHALL BE CONNECTED TO SSDS ALARM INDICATION STATION.
8. ROOF/SLAB PENETRATIONS AND FIRE PROOFING, INCLUDING FIRE COLLAR, TO BE COMPLETED IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND PLUMBING SPECIFICATIONS.

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT :
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:
SSDS AND VAPOR BARRIER DETAILS II

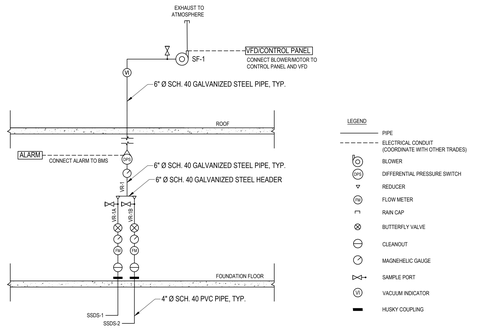
SEAL & SIGNATURE:

DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	ENV-103.00
CADD FILE No:	

OF

©2025 AKRF, Inc C:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mwilleux 6/5/2025 3:54 PM

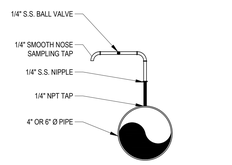
© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024. ALL RIGHTS RESERVED



NOTES:

1. SEE CONTRACT ELECTRICAL DRAWINGS FOR ACTUAL LOCATION, ROUTING OF CONDUIT AND CONDUCTORS , TYP.
2. PIPING MAY BE OFFSET DURING INSTALLATION.

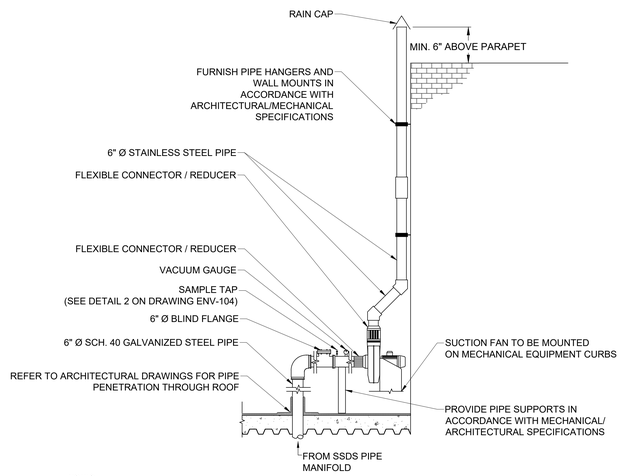
1 ENV-104 TYPICAL SSDS PROCESS FLOW DIAGRAM
SCALE: N.T.S



2 ENV-104 TYPICAL SAMPLE TAP ASSEMBLY
Not to Scale

GENERAL NOTES:

1. DRAWING SHALL NOT BE USED FOR STRUCTURAL, ARCHITECTURAL, UTILITY, OR OTHER REFERENCE EXCEPT FOR THE SUB-SLAB DEPRESSURIZATION SYSTEM AND RELATED VAPOR BARRIER DETAILS.
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL PIPE LAYOUTS, SUB-SLAB SLEEVE, SLAB PENETRATION, AND RISER LOCATIONS FOR APPROVAL.
3. INSTALLATION OF THE SUB-SLAB COMPONENTS AND VENT AND RISER PIPING, AND ROOF PENETRATIONS MUST BE COORDINATED WITH OTHER TRADES FOR THE INSTALLATION OF OTHER UTILITIES AND STRUCTURAL COMPONENTS. LOCATIONS OF RISER PIPE FROM SUB-SLAB TO ROOF SHALL BE COORDINATED WITH ARCHITECT AND MECHANICAL ENGINEER. RISER PIPE SHALL BE EXTENDED TO THE ROOF WITH MINIMAL CHANGES IN DIRECTION.
4. ALL SOLID HORIZONTAL PIPE RUNS MUST BE PITCHED A MINIMUM OF 1/8 INCH VERTICAL PER FOOT HORIZONTAL (1% SLOPE) TOWARDS EACH SECTION OF SLOTTED VENTING PIPE. THE SYSTEM SHALL BE INSTALLED SUCH THAT NO PORTION WILL ALLOW EXCESS ACCUMULATION OF CONDENSATION. SOLID UNDERGROUND PIPING MAY BE PITCHED TO CONDENSATE DRAIN, SHOULD THEY BE NECESSARY (SEE DETAIL 9, ENV-103).
5. ALL CONNECTIONS AT PIPE FITTINGS AND JOINTS SHALL BE LEAK FREE. THIS SHALL BE DEMONSTRATED BY THE PERFORMANCE OF A POSITIVE 1 POUNDS PER SQUARE INCH (PSI) (MIN.) PRESSURE TEST FOLLOWING PIPE/FITTINGS ASSEMBLY BY THE CONTRACTOR. UNLESS OTHERWISE SPECIFIED, ALL UNDERGROUND PIPING SHALL BE CONSTRUCTED OF 4 INCH SCHEDULE 40 PVC AND ALL ABOVEGROUND RISER PIPING SHALL BE CONSTRUCTED OF 4 INCH SCHEDULE 40 PVC, OR 6 INCH GALVANIZED STEEL PIPE AS SHOWN ON DRAWINGS.
6. REFER TO DRAWINGS ENV-100 THROUGH ENV-104 FOR SSDS PIPING, VAPOR BARRIER, GAS PERMEABLE AGGREGATE, AND COMMUNICATION AND PIPE SLEEVE/OTHER FOUNDATION ELEMENT PENETRATION LOCATIONS AND DETAILS.
7. RISER PIPE SHALL BE PERMANENTLY IDENTIFIED WITHIN EACH FLOOR LEVEL. BACKGROUND SHALL BE SAFETY BLUE WITH WHITE LETTERING. LETTERING SHALL READ: "CAUTION: DO NOT ALTER. SUBSURFACE VAPOR VENT PIPE."
8. EXHAUST STACK SHALL BE SECURELY ANCHORED WITH ADEQUATE STRUCTURAL SUPPORTS.
9. SSDS DESIGN DETAILS AND DRAWINGS ARE ADAPTED FROM EPA DOCUMENT EPA/625/R-92/016.
10. SYSTEM INSTALLATION SHALL ADHERE TO: OCTOBER 2006 FINAL GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK PREPARED BY NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH). ALL APPLICABLE PORTIONS OF THE BUILDING CODE OF THE CITY OF YONKERS. AS SUCH, POINT OF EXHAUST SHALL BE:
   - MINIMUM 2 FEET ABOVE BULKHEAD ROOF
   - AT LEAST 25 FEET FROM ANY ADJOINING OR ADJACENT BUILDINGS, OPERABLE WINDOWS, HVAC INTAKES, SUPPLY REGISTERS, OR ANY OTHER AIR INLETS.
11. CONTRACTOR TO ENSURE THAT TRANSITIONS BETWEEN VAPOR BARRIER AND WATERPROOFING ARE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND WILL NOT AFFECT THE WARRANTY OF EITHER PRODUCT.
12. ROOF/SLAB PENETRATIONS AND FIRE PROOFING, INCLUDING FIRE COLLAR, TO BE COMPLETED IN ACCORDANCE WITH ARCHITECTURAL AND PLUMBING SPECIFICATIONS.



NOTES:

1. NOT ALL REQUIRED ACCESSORIES ARE SHOWN. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. ELECTRICAL WIRING AND EQUIPMENT NOT SHOWN. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
3. PIPE AND EQUIPMENT ARRANGEMENT SHOWN FOR SCHEMATIC PURPOSES ONLY (NOT TO SCALE). CONTRACTOR TO SUBMIT TO SCALE DRAWING SHOWING PROPOSED ARRANGEMENT. CONTRACTOR IS REQUIRED TO OBTAIN APPROVAL OF ARRANGEMENT.
4. COORDINATE ALL ROOF PENETRATIONS WITH ALL OTHER TRADES TO ENSURE ALL PENETRATIONS ARE SEALED IN ACCORDANCE WITH WARRANTY.
5. PROVIDE SHOP DRAWINGS FOR BLOWER AND ACCESSORY LAYOUT AND EXHAUST STACK MOUNTING.
6. DISCHARGE EXHAUST STACK MINIMUM 6" ABOVE BULKHEAD PARAPET AND MINIMUM 25' FROM ANY WINDOWS AND AIR INTAKES.

3 ENV-104 TYPICAL SSDS FAN CONNECTION DETAIL
Not to Scale

INSTRUMENT SCHEDULE

ITEM	DESCRIPTION	SERVICE	LOCATION	REQUIREMENTS	RANGE	REMARKS	MANUFACTURER/MODEL
MAGNEHELIC GAUGE	PRESSURE DIFFERENTIAL	SSD SYSTEM	RISER LEGS AT FIRST FLOOR	N/A	0-10" WC	FOR EACH 4" MANIFOLD LEG AND 6" RISER	DWYER INSTRUMENTS SERIES 2000 MODEL 2010
VACUUM INDICATOR	VACUUM GAUGE	SSD SYSTEM	BLOWER INLET	N/A	0-10" WC	4" GALVANIZED STEEL PIPE	NOSHOK 25-200-15 IN-H2OVAC-1/4-BP3
VFD	VARIABLE FREQUENCY DRIVE	SSD SYSTEM	MAIN ROOF	3 PHASE, 60 HZ, 230/460 VAC	N/A	COORDINATE LOCATION WITH ARCHITECT	WEG EDP115007DN3R10000
DPS	DIFFERENTIAL PRESSURE SWITCH	SSD SYSTEM ALARM	BLOWER INLET	N/A	0.4 - 1.6" WC	CONNECT TO BMS FOR EACH BLOWER ASSEMBLY	DWYER INSTRUMENTS SERIES 1900, MODEL 1910-1
REMOTE TELEMETRY	REMOTE ALARM	SSD SYSTEM	RISER AT FIRST FLOOR	1 PHASE, 120 VOLT	N/A	FOR EACH BLOWER ASSEMBLY	SENSAPHONE SCD-1200-CD-2280/1986
FLOW METER	FLOW	SSD SYSTEM	RISER LEGS AT FIRST FLOOR	N/A	N/A	FOR EACH 4" MANIFOLD LEG	DWYER INSTRUMENTS SERIES MODEL OS-300-4 WITH DWYER INSTRUMENT SERIES 2000, MODEL 2000-0
ALARM INDICATION STATION	SSDS MONITOR	SSD SYSTEM	RISER AT FIRST FLOOR	1 PHASE, 120 VOLT	N/A	FOR EACH SSDS BLOWER	KELE INC, MODEL AIS 120

BLOWER SCHEDULE

UNIT NO.	AREAS SERVED	SERVICE	LOCATION	SIZE	MIN. CFM	MIN. RATE (INCHES WC)	MOTOR REQUIREMENTS			MANUFACTURER/MODEL
SF-1	FIRST FLOOR OVER SLAB-ON-GRADE	SSD SYSTEM	MAIN ROOF	0.5 HP	150	7	60 HZ	3 PHASE	110/208 VOLTS	NYB COMPACT GI SIZE 106
SPARE	N/A	N/A	TO BE DETERMINED	0.5 HP	150	7	60 HZ	3 PHASE	110/208 VOLTS	NYB COMPACT GI SIZE 106

BLOWER NOTES:

1. THE BLOWER SCHEMATICS ARE SHOWN TO ILLUSTRATE THE REQUIRED COMPONENTS AND THE GENERAL LOCATIONS IN THE PIPING RUN AND SHALL NOT BE CONSIDERED TO BE ACCURATE. THE ACTUAL CONFIGURATION AND DIMENSIONS OF THE BLOWER ASSEMBLY WILL VARY BASED ON MANUFACTURING METHODS AND FIELD CONDITIONS. FINAL DESIGN AND BLOWER SYSTEM SELECTED ARE SUBJECT TO APPROVAL BY THE ENGINEER. CONTRACTOR SHALL PROVIDE ALL BLOWER SPECIFICATIONS AND CUT SHEETS FOR THE ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
2. A DIFFERENTIAL PRESSURE SWITCH SHALL BE INSTALLED ON THE 6" Ø RISER PIPE ON THE ROOF. THE DIFFERENTIAL PRESSURE SWITCH SHALL BE CONNECTED TO THE SSDS MONITORING PANEL IN ACCORDANCE WITH SECTIONS 028030.
3. BLOWER MOTOR AND VFD WILL REQUIRE A THREE-PHASE, 60HZ, 230/460 VOLT POWER SUPPLY. THE CONTROL PANEL FOR THE BLOWER WILL REQUIRE A ONE PHASE, 60 HZ, 115 VOLT POWER SUPPLY. THE ELECTRICAL SERVICE TO THE BLOWER MOTOR IS SHOWN ON THE ELECTRICAL DRAWINGS. COORDINATE POWER SUPPLIES WITH BUILDING POWER FLOOR PLAN.
4. CONTRACTOR TO PROVIDE CONNECTION TO GROUNDING FOR ROOF TOP BLOWER.
5. CONTRACTOR TO PROVIDE SPARE BLOWER AND PARTS.
6. REFER TO SPECIFICATION SECTION 028000 - SUB-SLAB DEPRESSURIZATION SYSTEM FOR REQUIREMENTS RELATING TO SUB-SLAB DEPRESSURIZATION SYSTEM ACCESSORIES.
7. CONTRACTOR REQUIRED TO PROVIDE PLAN/DRAWING DETAILING A SUPPORT SYSTEM FOR THE EXHAUST PIPE STACK AND RAIN CAP.

©2025 AKRF, Inc O:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mvelleux 6/5/2025 3:54 PM

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT :
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

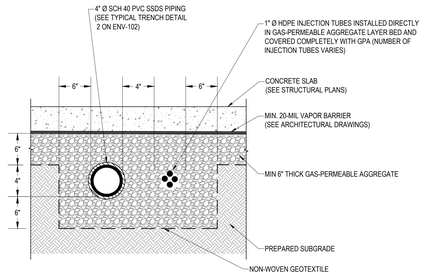
DRAWING TITLE:

SSDS EQUIPMENT SCHEDULE AND PROCESS FLOW DIAGRAM

SEAL & SIGNATURE:

DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	ENV-104.00
CADD FILE No:	
	OF

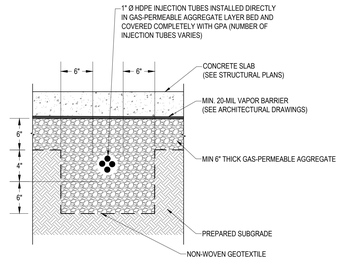
© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024, ALL RIGHTS RESERVED



NOTE:

1. NUMBER OF SSDS PIPES AND INJECTION LINES VARIES - ADDITIONAL SSDS PIPES TO BE INSTALLED WITH MINIMUM 6-INCH SPACING. ADDITIONAL INJECTION LINES TO BE ADDED TO BUNDLE.

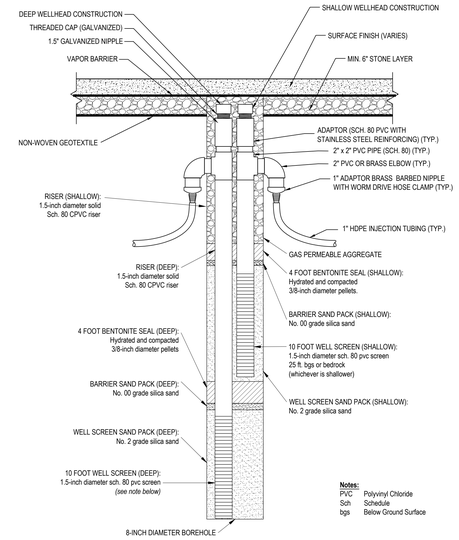
1 ENV-105 TYPICAL SSDS AND INJECTION TUBING BUNDLE PIPE TRENCH DETAIL
Not to Scale



NOTE:

1. NUMBER OF INJECTION LINES VARIES - ADDITIONAL INJECTION LINES TO BE ADDED TO BUNDLE.

1b ENV-105 TYPICAL INJECTION TUBING BUNDLE PIPE TRENCH DETAIL
Not to Scale



NOTES:

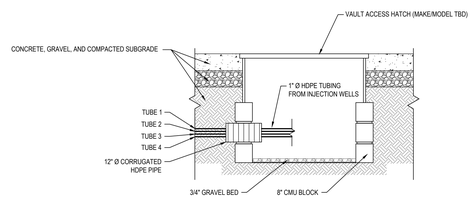
1. SEAL VAPOR BARRIER PENETRATIONS IN ACCORDANCE WITH SPECIFICATIONS.
2. THE DEEPER SCREEN SHALL BE SET AT A TOTAL DEPTH OF 25 TO 35 FEET OR 40 TO 50 FEET DEPENDING ON WATER QUALITY TESTING.
3. INJECTION WELLS TO BE INSTALLED BY OTHERS. CONTRACTOR TO INSTALL ALL CONNECTIONS AND FITTINGS AS SHOWN AND AS REQUIRED TO CONNECT WELLS TO LATERAL TUBING.

2 ENV-105 TYPICAL DUAL SCREENED INJECTION WELL CONSTRUCTION (INJ-5, INJ-6, INJ-8, INJ-9, INJ-11, INJ-12, INJ-14, INJ-16, INJ-17, INJ-18)
Not to Scale

NOTES:

1. SEAL VAPOR BARRIER PENETRATIONS IN ACCORDANCE WITH SPECIFICATIONS.
2. INJECTION WELLS TO BE INSTALLED BY OTHERS. CONTRACTOR TO INSTALL ALL CONNECTIONS AND FITTINGS AS SHOWN AND AS REQUIRED TO CONNECT WELLS TO LATERAL TUBING.

3 ENV-105 TYPICAL SINGLE SCREEN INJECTION WELL CONSTRUCTION (INJ-1, INJ-2, INJ-3, INJ-4, INJ-7, INJ-10, INJ-13, INJ-15)
Not to Scale



NOTES:

1. INSTALL AND SEAL ACCESS VAULT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS
2. TUBE 1 (INJ-11, INJ-12, INJ-14, INJ-16, INJ-17, INJ-18)
3. TUBE 2 (INJ-7, INJ-10, INJ-13, INJ-15)
4. TUBE 3 (INJ-1, INJ-2, INJ-3, INJ-4)
5. TUBE 4 (INJ-5, INJ-6, INJ-8, INJ-9)

4 ENV-105 TYPICAL INJECTION SYSTEM VAULT CONSTRUCTION DETAIL
Not to Scale

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT :
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M.E.P. ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1

DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:
INJECTION WELL DETAILS

SEAL & SIGNATURE:

DATE: 02/28/2025
PROJECT No: 22011.00
DRAWN BY: MRV
CHECKED BY: EP
DRAWING No:
ENV-105.00
CADD FILE No:
OF

©2025 AKRF, Inc. Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mvelleux 6/5/2025 3:54 PM

© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024. ALL RIGHTS RESERVED

COMPLIANCE WITH NYCECC 2020

ENERGY ANALYSIS
2020 NYCECC
CLIMATE ZONE 4A

ITEM DESCRIPTION	CODE PRESCRIPTIVE VALUE & CITATION	PROPOSED DESIGN VALUE	SUPPORTING DOCUMENTATION
ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS)	N/A	N/A	SHEET ENV-104.00

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS IN COMPLIANCE WITH 2020 NYCECC BY APPLICATION OF ASHRAE 90.1-2016 AS MODIFIED BY APPENDIX CA.

PROJECT:

521 East Tremont Ave.

BRONX, NY 10457

OWNER:
521 TREMONT OWNER LLC.
48-02 25TH AVENUE, SUITE 400
ASTORIA, NY 11103

ARCHITECT :
SLCE *ARCHITECTS, LLP*
1359 BROADWAY
NEW YORK, NY 10018
TEL.: 212 . 979 . 8400

STRUCTURAL ENGINEER:
DE NARDIS ENGINEERING, L.L.C.
239 CENTRAL AVENUE
WHITE PLAINS, NEW YORK 10606
TEL.: 914 . 948 . 8844
FAX: 914 . 948 . 8868

M E P ENGINEER:
SKYLINE ENGINEERING
42 WEST 39TH STREET, 10TH FL.
NEW YORK, NEW YORK 10018
TEL.: 212 . 239 . 1892

GEOTECHNICAL ENGINEER:
SESI CONSULTING ENGINEERS
12A MAPLE AVENUE
PINE BROOK, NJ 07058

LANDSCAPE ARCHITECT :

CIVIL ENGINEER:
DEROSIER ENGINEERING
35 GATES AVENUE
WARREN, NJ 07059

SUSTAINABILITY CONSULTANT:
ETTINGER ENGINEERING ASSOCIATES
505 EIGHTH AVENUE, 24th FLOOR
NEW YORK, NY 10018

ENVIRONMENTAL CONSULTANT:
AKRF, INC
440 PARK AVENUE SOUTH, 7th FLOOR
NEW YORK, NY 10016

ENVELOPE CONSULTANT:

PRIMARY DOB # X00925959-I1
DOB NOW STR #X00925959-S2

No:	Date:	Revision:
	06/11/25	Issued for Construction
	03/14/25	Progress Submission

SCALE:

KEY PLAN:

DRAWING TITLE:
ENERGY CONSERVATION CODE COMPLIANCE

SEAL & SIGNATURE:

DATE:	02/28/2025
PROJECT No:	22011.00
DRAWN BY:	MRV
CHECKED BY:	EP
DRAWING No:	EN-001.00
CADD FILE No:	OF

©2025 AKRF, Inc Q:\Projects\190204 - 521 EAST TREMONT AVENUE\Technical\Hazmat\CAD\SSDS\190204 SSDS Design Set 2025B.dwg last save: mwilleux 6/5/2025 3:54 PM

© COPYRIGHT DE NARDIS ENGINEERING, LLC 2024. ALL RIGHTS RESERVED

APPENDIX E
BENCH SCALE TREATABILITY STUDY REPORT

BENCH SCALE TREATABILITY STUDY REPORT

521 EAST TREMONT AVENUE SITE
BRONX, NEW YORK

APRIL 24, 2025

PREPARED FOR

AKRF
34 SOUTH BROADWAY, SUITE 300
WHITE PLAINS, NY 10601

ISOTEC PROJECT NO. 803510

In-Situ Oxidative Technologies, Inc.
11 Princess Road, Suite A
Lawrenceville, New Jersey 08648
Phone: (609) 275-8500, Fax: (609) 275-9608
www.ISOTEC-INC.com

SBA Certified Small Business

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 1

2.0 BENCH SCALE STUDY OBJECTIVES 3

2.1.1 Treatability and Effectiveness Evaluation 3
2.1.2 Oxidation Reagent Characteristic Data Collection 3

3.0 SAMPLE COLLECTION AND PREPARATION 4

4.0 REAGENT APPLICATION & DATA COLLECTION 5

4.1 TOTAL OXIDANT DEMAND (TOD) 5
4.2 OXIDANT STABILITY TEST (OS-TEST) 5
4.3 BUFFERING CAPACITY TEST (BC-TEST) 7

5.0 TREATABILITY AND EFFECTIVENESS EVALUATION 8

5.1 REAGENT IDENTIFICATION 8
5.2 ESTABLISHING EXPERIMENTAL BASELINE/CONTROL 8
5.3 EXPERIMENTAL SETUP AND ANALYTICAL SAMPLE COLLECTION/ANALYSES 8
5.4 REAGENT APPLICATION 9
5.4.1 MFR Applications 9
5.4.2 PERM & CHASP Applications 9
5.5 QUENCHING AND SAMPLE COLLECTION 9

6.0 RESULTS AND DISCUSSION 10

6.1 INITIAL CHARACTERIZATION RESULTS 10
6.2 COC-TEST RESULTS 10
6.2.1 Oxidation Technologies 11

7.0 CONCLUSIONS AND RECOMMENDATIONS 13

TABLES

TABLE 1 .....SUMMARY OF COC-TEST PERFORMED
TABLE 2 .....TOD-TEST RESULTS
TABLE 3 ..... SOIL BASE BUFFERING CAPACITY ASSESSMENT
TABLE 4 ..... INITIAL CHARACTERIZATION RESULTS
TABLE 5 .....EXPERIMENT RESULTS (COC-TEST)
TABLE 6 .....PCE DETECTED IN BASELINE/CONTROL (COC-TEST)
TABLE 7 .....PCE MASS REDUCTION SUMMARY

FIGURES

FIGURE 1 ..... OS-TEST RESULT (0.5 G/KG)
FIGURE 2 ..... OS-TEST RESULT (1.0 G/KG)
FIGURE 3 ..... OS-TEST RESULT (2.5 G/KG)
FIGURE 4 ..... COC MASS REMAINING (COC-TEST)

ATTACHMENTS

ATTACHMENT A..... ANALYTICAL DATA PACKAGE (INITIAL)
ATTACHMENT B..... ANALYTICAL DATA PACKAGE (COC-TEST RESULTS)

ACRONYMS

CHASP	Sodium persulfate activated by base and carbohydrate
g	Gram
g/kg	Grams per kilogram
GW	groundwater
ISOTEC	In-Situ Oxidative Technologies, Inc.
mg	Milligram
mg/kg	Milligrams per kilogram
mg/l	Milligrams per liter
ml	Milliliters
MFR	Modified Fenton's Reagent
ND	Non-detect concentration
NELAP	National Environmental Laboratory Accreditation Program
OS	Oxidant stability
PCE	Tetrachloroethene
PERM	Permanganate
ppm	Parts per million
SGS	SGS Laboratories
TOC	Total organic carbon
TOD	Total oxidant demand
µg	Microgram
µg/kg	Micrograms per kilogram
µg/l	Micrograms per liter
VOCs	Volatile organic compounds

1.0 EXECUTIVE SUMMARY

In-Situ Oxidative Technologies, Inc. (ISOTEC[SM]) implemented an in-situ chemical oxidation (ISCO) bench-scale laboratory treatability study (study) on soil and groundwater (GW) samples collected from the 521 East Tremont Avenue Site located in Brooklyn, New York for treatment of elevated levels of chlorinated volatile organic compounds (CVOCs), primarily tetrachloroethene (PCE) in site groundwater. The site is enrolled in the NYSDEC Brownfield Cleanup Program with an anticipated treatment area of approximately 4,400 square feet (sq ft.). PCE concentrations within the treatment area ranging from 200 micrograms per liter (µg/l) to 490 µg/l in recent sampling events. The objective of the study was to evaluate the effectiveness of chemical oxidation reagents and collect data to aid design of field injection programs to achieve PCE reduction in site groundwater for remediation. The following three chemical oxidation reagents were evaluated in the study:

- **MFR -** modified Fenton's reagent
- **CHASP** - carbohydrate and base activated sodium persulfate
- **PERM** – sodium permanganate

AKRF provided soil and GW samples collected from the site for use in the treatability study. The bench-scale study consisted of various tests to evaluate treatability of contaminants of concern (COC-test) as shown in Table 1. In addition, characteristics of the oxidation reagents (including total oxidant demand [TOD], oxidant stability [OS] and base buffering capacity of site soils) were evaluated.

Table 1. Summary of COC-tests Performed

Reagent >> **Oxidant >>**	**MFR** **(H_2O_2)**	**PERM** **($NaMnO_4$)**	**CHASP** **($Na_2S_2O_8$)**
Dose 1	0.5 g/kg	0.5 g/kg	0.5 g/kg
Dose 2	1.0 g/kg	1.0 g/kg	1.0 g/kg
Dose 3	2.5 g/kg	2.5 g/kg	2.5 g/kg
Duration	7 days		
Evaluated	**VOCs**		

Note: Oxidant doses are presented as g/kg (grams of oxidant per kilogram of soil in slurry).

Summary results of the bench scale treatability study indicate that all three oxidants produced effective treatment of site COCs, with MFR and PERM producing superior results (>99% PCE mass removal) compared to CHASP. Based on PCE mass removed per unit of oxidant consumed, the optimal doses were determined as follows:

- MFR = ~1.0 gram per kilogram (g/kg) at a TOD of 1.0 g/kg;
- PERM = ~0.5 g/kg at a TOD of 0.44 g/kg
- CHASP = >2.5 g/kg at a TOD of 2.09 g/kg.

Overall, PERM achieved the greatest PCE mass reduction (>99.99%) for the least amount of oxidant utilized (i.e. TOD=0.44 g/kg).

Treatability study results will be used to design a field treatment program for site remediation.

2.0 BENCH SCALE STUDY OBJECTIVES

The objectives of the bench scale study were to assess the proposed reagent's characteristics that are pertinent to their field implementation and evaluate their effectiveness towards PCE treatment. The objectives were fulfilled via the following tasks:

2.1.1 Treatability and Effectiveness Evaluation

- **COC-test**: Evaluate the effectiveness of MFR, PERM, and CHASP in treating VOCs on GW and soil samples collected from the site.

2.1.2 Oxidation Reagent Characteristic Data Collection

- **TOD-test**: Determine total oxidant demand (TOD) of
  - Sodium permanganate ($NaMnO_4$) for PERM
  - Sodium persulfate ($Na_2S_2O_8$) for CHASP.
- **OS-test**: Evaluate oxidant stability (OS) of hydrogen peroxide (H_2O_2) for MFR, and
- **BC-test**: Assess base buffering capacity of site soils for application of CHASP.

3.0 SAMPLE COLLECTION AND PREPARATION

AKRF provided samples (GW: RI-MW-06 and Soil: RDI-SB-03) samples collected on February 24, 2025 from the site for use in the treatability study. Prior to the start of the experiments, soils contained in multiple Ziploc bags were composited into a single batch. Then, a portion of the composite soil along with a portion of GW was collected and submitted for initial characterization analyses. Parameters analyzed in the initial characterization included VOCs, total organic carbon (TOC), iron and manganese.

All experiments were conducted using 1:1 slurry samples (mixtures of soil and water at a soil-to-water ratio of 1-to-1 by weight). For the COC-test and TOD-test, the slurry was prepared by mixing soil with groundwater, while for OS-test and base buffering capacity (BC) evaluation, the slurry was prepared by mixing soil with distilled water (DI).

4.0 REAGENT APPLICATION & DATA COLLECTION

4.1 Total Oxidant Demand (TOD)

Total oxidant demand (TOD) was assessed based on oxidants (i.e., $Na_2S_2O_8$ for CHASP and $NaMnO_4$ for PERM) consumption. Concentrations of $Na_2S_2O_8$/NaMnO4 were measured in the duplicate reactors set up in the COC-test, using a CHEMetrics colorimetric test kit for $Na_2S_2O_8$ and Hach DR3900 for NaMnO4. Concentrations were measured immediately after introducing the oxidant (i.e., time = 0 days) and periodically thereafter at various time points (i.e., time = X days). TOD was determined by the difference between the initial (t=0) and residual (t= X days at quenching period) oxidant concentrations.

Table 2. TOD-test Results

Initial oxidant dose	0.5 g/kg	1 g/kg	2.5 g/kg
CHASP			
$Na_2S_2O_8$ consumption	67.5%	50.0%	83.4%
7-day TOD of $Na_2S_2O_8$	0.34 g/kg	0.50 g/kg	2.09 g/kg
PERM			
$NaMnO_4$ consumption	87.4%	58.6%	74.5 %
7-day TOD of $NaMnO_4$	0.44 g/kg	0.59 g/kg	1.86 g/kg

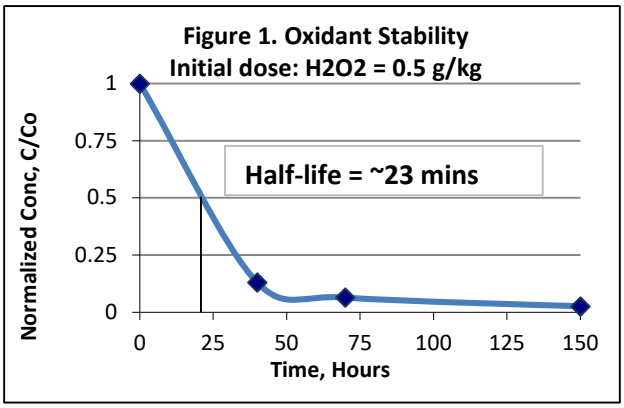
TOD is reported as "g/kg" of oxidant per kilogram of soil in slurry being tested. Results presented in Table 2 above indicate that 50%-83% of $Na_2S_2O_8$ applied was consumed for CHASP and 59%-87% was consumed for PERM. These TOD values suggest a moderate to high demand for both sodium persulfate and sodium permanganate from both site lithology and contaminants. Since PCE concentrations in the samples used in the study are relatively low (205 µg/l in GW and 5.5 µg/kg in soil), the oxidant consumption appears to be mainly from site soils.

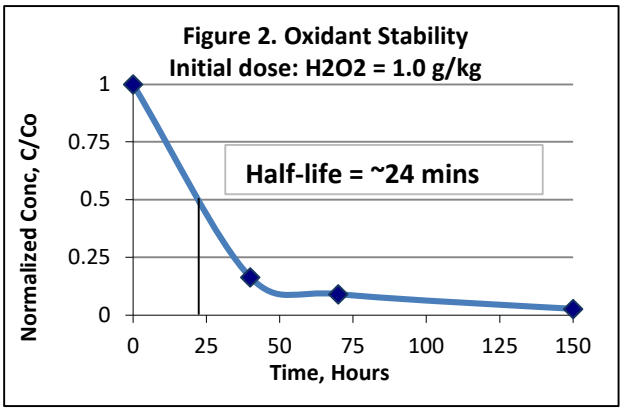
4.2 Oxidant Stability Test (OS-test)

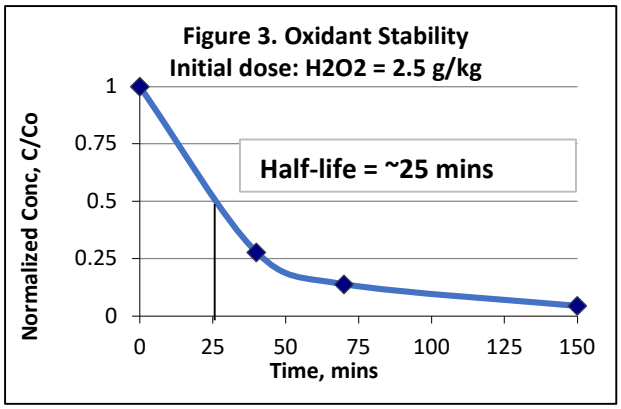
Oxidant stability was evaluated for H_2O_2 (the oxidant in MFR) in lieu of TOD since hydrogen peroxide can theoretically exhibit an infinite value for demand due to catalytic decomposition and its unstable nature. The test was performed on 1:1 slurry (mixture of soils with DI water). H_2O_2 concentration measurements were collected using the Hach colorimetric test kit immediately after introducing the oxidant (i.e., t=0) and periodically thereafter at various time points (t = 30 minutes, 60 minutes, and so on). Three initial oxidant doses (0.5 g/kg, 1 g/kg and 2.5 g/kg) were evaluated. Oxidant stability was assessed in terms of half-life of the oxidant, i.e., time elapsed for the oxidant concentrations to decrease by 50% from its corresponding initial concentration (t=0 hours).

Oxidant stability is reported as time (minutes) as shown in Figures 1 through 3 below. Results indicated half-life values for the three initial H_2O_2 doses tested were

approximately 23-25 minutes indicating reactive soils. These half-life values suggest both site lithology and COC impacts in site soils would consume hydrogen peroxide relatively fast and multiple applications with smaller amount each time would be more efficient than an approach with fewer injections of larger amount of reagent.







4.3 Buffering Capacity Test (BC-test)

Soil base buffering capacity is defined as the amount of base required per unit soil to raise and maintain pH reading to a certain value. This test is important to understand the base requirements for CHASP field applications to maintain the pH in the proper range for alkaline, or high pH activation of persulfate and/or ensure the pH does not significantly drop in response to acidity produced by persulfate decomposition. A pH value of 11 standard unit was used as the target value for the buffer capacity evaluation. The test was performed using 1:1 slurry (soil mixed with DI water) via titration with 25% sodium hydroxide (25% NaOH) solution as the base. The test was considered complete when the target pH value (i.e., pH >=11) was reached and maintained for more than an hour. Soil buffer capacity was reported as g/kg of 100% NaOH (i.e., grams of 100% NaOH per kilogram of soil in the slurry being tested) as presented in Table 3 below. Alkaline buffer capacity was estimated to be 0.76 g/kg for site soils, which is relatively low compared to most sites where ISOTEC has assessed base buffering capacities. A low buffer capacity correlates to a smaller quantity of base that is required to maintain subsurface under alkaline conditions needed for persulfate activation.

Table 3. Soil Base Buffering Capacity Results

	Reactor A		Reactor B	
Time	**NaOH-25% added (ml)**	**pH (SU)**	**NaOH-25% added (ml)**	**pH (SU)**
Control-0	0	8.86	0	7.60
11:30am	0.005	9.71	0.005	10.40
	0.005	10.25	0.005	10.70
	0.005	10.68	0.008	11.06
	0.005	10.93	0.002	11.22
12:20pm	0.008	11.49		
1:30pm	0	11.34	0	11.12
Total 25%NaOH added (ml)	0.028		0.02	
Buffering Capacity of 25% NaOH (ml/kg)	**2.80**		**2.00**	
Average buffering capacity of 25%-NaOH (ml/kg)	**2.40**			
Average Buffering Capacity of 100%-NaOH (g/kg)	**0.76**			

Notes:

1. Reactors make up = 10 g-soil + 10 ml-DI water
2. Buffering capacity was reported as ml/kg (milliliter of 25% NaOH per kilogram of soil) or g/kg (grams of 100% NaOH per kilogram of soil)

5.0 TREATABILITY AND EFFECTIVENESS EVALUATION

Treatability effectiveness was evaluated through COC-test.

In general, COC-test comprised of the following three steps:

1. Reagent identification
2. Establishing baseline and experimental control sample
3. Experimental setup and analytical sample collection/analyses

5.1 Reagent Identification

Upon discussion with AKRF, the following reagents were selected for evaluation in the bench scale study: MFR, PERM and CHASP.

MFR consists of stabilized hydrogen peroxide (H_2O_2) as the oxidant and a proprietary chelated iron catalyst (Cat-4260), which is a circum-neutral pH organometallic complex (chelated iron) with high mobility within the subsurface, to activate peroxide. PERM consists of sodium permanganate, which is a strong oxidant and does not need activators. CHASP consists of sodium persulfate ($Na_2S_2O_8$) as the oxidant, a base and a food grade carbohydrate as catalysts to activate persulfate.

5.2 Establishing Experimental Baseline/Control

Experimental "control" sample was set up in the test to document the following:

- Reduction or changes in concentrations of the target constituents due to sample dilution by reagent volumes injected.
- Reduction in concentrations of the target constituents due to volatilization caused by room temperature test conditions.

The control sample was set up and was subject to the same conditions as the associated treatment reactors. However, the control reactor received distilled water instead of reagent at the time of reagent applications. The volume of distilled water added in control was identical to the volumes of reagent injected into the treatment reactors. A baseline sample was also set up and immediately stored in refrigerator to represent the baseline conditions of the slurry used in the test.

5.3 Experimental Setup and Analytical Sample Collection/Analyses

COC-test was performed using 1:1 slurry (SO mixed with GW) and evaluating 3 oxidation reagents (each at 3 doses) as previously summarized in Table 1. All reactors (a baseline, a control, and multiple treatment reactors) were set up using 250 ml VOC-tight glass jars sealed with screw top caps fitted with septa to facilitate reagent injections. Each reactor

contained 340 grams (g) of 1:1 slurry (170 g of soil and 170 ml of GW) to minimize head space. Reactors were set up in duplicates, one set for VOCs analyses and the other set for TOD assessment.

5.4 Reagent Application

5.4.1 MFR Applications

MFR was applied in multiple additions with an equal smaller amount in each addition in order to minimize pressure buildup and improve treatment effectiveness. A time gap of approximately 4-6 hours was maintained between additions.

5.4.2 PERM & CHASP Applications

Each dose PERM and CHASP was applied in a single batch into the designated treatment reactor.

The final doses achieved for the three reagents were 0.5 g/kg, 1 g/kg and 2.5 g/kg. DI water was used to compensate for volume differences between doses for all reagents so that each reactor had the same dilution after reagent addition.

The "Control" reactor received an equivalent amount of DI water instead of reagents. The "Baseline" reactor was also set up but did not receive DI water or reagents and was stored in the fridge immediately following set up to represent general conditions of the slurry being tested.

After receiving full doses of designated reagents, "Control" and all "Treatment" reactors were left undisturbed and under room temperatures for the entire duration (7 days) of the experiment. Experiment was terminated after 7 days to minimize VOCs losses due to volatilization under the room temperature.

5.5 Quenching and Sample Collection

Quenching agents (catalase and sodium thiosulfate) were injected into each reactor to quench residual hydrogen peroxide and sodium permanganate/sodium persulfate after 7-day duration, respectively, and the experiment was complete. Once the experiments were complete, sample contents in each reactor were separated into aqueous and solid phases first and analytical samples were collected from each phase and submitted to SGS laboratory [a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory] for VOCs analyses. Final pH and ORP values for each reactor were measured by ISOTEC from the duplicate reactors set up for TOD assessment.

6.0 RESULTS AND DISCUSSION

Detailed bench-scale study results are discussed below. Initial characterization results are presented in Table 4 (attached). Experimental results are presented in Table 5 (attached). Laboratory analytical data packages are provided in Attachments A and B.

6.1 Initial Characterization Results

Data in Table 4 indicated a relatively low concentration of CVOCs in site GW and soil samples. PCE was the most significant compound among the five CVOCs detected in site GW and soil samples with concentrations of 205 µg/l in GW and 5.5 µg/kg in soil. Other compounds were detected at concentrations of 0.9 µg/l to 2.1 µg/l in GW, and 1.1 µg/kg to 14.5 µg/kg in soil. Therefore, the majority (>99%) impacts are from PCE and present in GW.

TOC in soil consumes oxidants, and a higher TOC value will cause greater competition for oxidants that can result in significant oxidant scavenging. TOC data noted in the soil samples (441 mg/kg) is expected to exert low to moderate oxidant demand.

Iron and manganese in dissolved phases are known catalysts for Fenton-like reactions and activate persulfate. Dissolved iron and manganese do not have considerable effect on sodium permanganate. ISOTEC experience indicates that dissolved iron concentrations need to be at least 50-100 mg/l to be an effective catalyst for MFR and 150-200 mg/l for persulfate activation. However, both iron (<100 µg/l) and manganese (165 µg/l) concentrations observed in GW are too low to serve as effective catalysts. Therefore, external catalysts are warranted for field application of MFR and CHASP.

6.2 COC-test Results

Site COCs (i.e. VOCs) treatment effectiveness is evaluated by comparison of treated sample data with the “Control” data. For discussion purposes, all non-detect (ND) values are assumed to be equal to zero in concentrations calculations. It should be noted that increases in acetone and 2-butanone (MEK) concentrations were observed in treated samples following reagent applications. Acetone and MEK are known byproducts of oxidation reactions, and based on ISOTEC's experience, they are amenable to chemical oxidation given sufficient oxidant dosage and treatment duration. Therefore, acetone and MEK were excluded from target COCs in treatment effectiveness discussions. As noted in initial characterization results, greater than 99% site COC impacts are from PCE. Therefore, discussions on COC treatment effectiveness will be focused on PCE reductions for conciseness.

As discussed in Section 5.3, VOCs were analyzed on aqueous and soil/solid phases of the tested sample matrices. The term “mass” used below refers to the combined aqueous and soil matrix mass.

Detailed results are presented in Table 5 (attached). Summary results are presented in Tables 6 and 7 below.

6.2.1 Oxidation Technologies

Table 6 below summarizes PCE detected in the baseline (BL) and control (CT) reactors. Compatible PCE concentrations noted between BL and CT (8.3 µg/l vs 2.4 µg/l, and 1.7 µg/kg vs 1 µg/kg) suggested that VOC losses due to volatilization during the 7-day experiment was within expected range due to room temperature test conditions.

Table 6. PCE Detected in Baseline & Control Reactors

Reactors	BL (baseline)	CT (control)
PCE-Aqueous phase (µg/l)	8.3	2.4
PCE-Solid phase (µg/kg)	1.7	1.0
PCE Mass (µg)	1.73	0.59

Table 7. PCE Mass Reduction Summary

Primary COCs	MFR	CHASP	PERM
Low dose – 0.5 g/kg	47.90%	increase	>99.99%
Medium dose – 1 g/kg	73.64%	increase	>99.99%
High dose – 2.5 g/kg	>99.99%	21.80%	>99.99%
Reagent consumption	100%	50-83%	59-75%
TOD @ Max. PCE Mass Reduction	2.5 g/kg	2.09 g/kg	0.44 g/kg
Final pH Value (SU)	7.98-8.15	11.40-11.99	8.65-8.70
Final ORP Value (mV)	293-329	25-54	193-233

Note: PCE mass reductions were based on comparison to Control sample results.

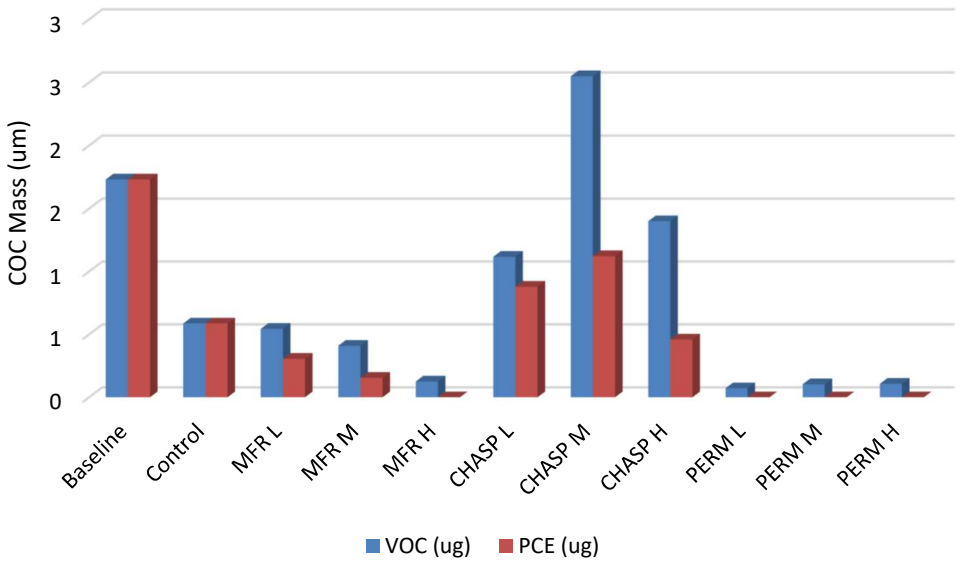
The above summary results indicate that MFR and PERM promoted superior PCE treatment achieving >99% PCE reduction compared to CHASP, which produced 21.8% PCE mass reduction at the high dose (2.5 g/kg) treatment conditions.

Reagent consumption data for CHASP show that 17%-50% oxidant (i.e., $Na_2S_2O_8$) applied remains in the reactors at the end of experiment (7 days), therefore, PCE removal could improve when longer reaction times were allowed. For PERM, only 59%-75% of oxidant ($NaMnO_4$) was consumed after 7 days, suggesting a dose lower than 0.5 g/kg may be able to achieve >99% PCE removal. Based on PCE mass removed per unit of oxidant consumed, the optimal doses were determined to be: MFR = ~1.0 g/kg at a TOD of 1 g/kg; PERM = ~0.5 g/kg at a TOD of 0.44 g/kg and CHASP = >2.5 g/kg at a TOD of 2.09 g/kg.

Final pH/ORP values indicate that MFR and PERM generated strong oxidation conditions, while CHASP produced moderate oxidation conditions.

Figures 4 below illustrates residual VOC/PCE mass following each chemical oxidation reagent treatment.

Figure 4. COC Mass Remaining following Chemical Oxidation



In summary, all three reagents showed effective treatment of site VCOCs/PCE with MFR and PERM producing superior results achieving >99% PCE mass removal over CHASP (22% PCE mass reduction). The optimal reagent dose was determined as 1 g/kg for MFR, 0.5 g/kg for PERM and 2.5 g/kg or higher for CHASP, based on COC reduction per unit oxidant consumed. Overall, PERM achieved the greatest PCE mass reduction (>99.99%) for the least amount of oxidant utilized (i.e. TOD=0.44 g/kg).

7.0 CONCLUSIONS AND RECOMMENDATIONS

Results of the bench scale treatability study indicate that MFR, PERM, and CHASP promoted effective treatment of site COCs including PCE. MFR and PERM produced superior results compared to CHASP achieving >99% PCE mass removal. The optimal dose was determined to be close to the dose of 1 g/kg for MFR, 0.5 g/kg for PERM and 2.5 g/kg or higher for CHASP. Overall, among the three oxidants tested, PERM achieved the greatest PCE mass reduction (>99.99%) for the least amount of oxidant utilized (i.e. TOD=0.44 g/kg).

Treatability study results can be used to design a field treatment program for site remediation.

TABLES

Table 1. Initial Characterization Results

520 East Tremont Avenue Site, Bronx, New York

ISOTEC Project #803510

Sample ID	**RI-MW-06**	**RDI-SB-03**
Matrix	**GW**	**Soil**
VOCs	**ug/l**	**ug/kg**
Acetone	ND (3.1)	14.5
Carbon disulfide	ND (1.8)	1.1 J
cis-1,2-Dichloroethene	0.94 J	ND (0.89)
Tetrachloroethene (PCE)	205	5.5
Trichloroethene	2.1	ND (0.81)
Total VOCs	**208.04**	**21.1**
Other parameters	**ug/l**	**mg/kg**
Iron	<100	19,200
Manganese	165	1,570
Total Organic Carbon	NA	441
Solids, Percent		81.6

Note:

mg/kg = milligrams per kilogram, mg/l = milligrams per liter,

ug/kg = micrograms per kilogram, ug/l = micrograms per liter. NA = Not analyzed.

Table 5. Experiment Results (COC-Test)
East Tremont Avenue Site, Bronx, New York
ISOTEC Project #803510

			MFR			CHASP			PERM		
Sample ID	**BL**	**CT**	**MFR L**	**MFR M**	**MFR H**	**ASP L**	**ASP M**	**ASP H**	**PERM L**	**PERM M**	**PERM H**
Oxidant used	**none**	**none**	**H_2O_2**	**H_2O_2**	**H_2O_2**	**MnO4**	**MnO4**	**MnO4**	**$Na_2S_2O_8$**	**$Na_2S_2O_8$**	**$Na_2S_2O_8$**
Activator used	**none**	**none**	**Cat**	**Cat**	**Cat**	**none**	**none**	**none**	**CH**	**CH**	**CH**
Oxidant dose (g/kg)	**0 g/kg**	**0 g/kg**	**0.5 g/kg**	**1 g/kg**	**2.5 g/kg**	**0.5 g/kg**	**1 g/kg**	**2.5 g/kg**	**0.5 g/kg**	**1 g/kg**	**2.5 g/kg**
VOCs (ug/l)	**Aqueous Phase**										
Acetone	12.5 a	11.9	41.3 a	86	225 a	40.5	45.1 a	531	18.5	24.7	36.5
Bromomethane	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	3.7	ND (1.6)	3.1
2-Butanone (MEK)	ND (2.7)	ND (2.7)	ND (2.7)	3.4 J	4 J	4.8 J	4.7 J	5.2 J	4 J	6.2 J	8.3 J J
Tetrachloroethene (PCE)	8.3	2.4	0.85 J	ND (0.56)	ND (0.56)	3.3	4.4	1.7	ND (0.56) [b]	ND (0.56)	ND (0.56) [b]
(ug/l)	**8.3**	**2.4**	**0.9**	**0.0**	**0.0**	**3.3**	**4.4**	**1.7**	**0.0**	**0.0**	**0.0**
% VOC reduction	**-**	**-**	**64.6%**	**100.0%**	**100.0%**	**increase**	**increase**	**29.2%**	**100.0%**	**100.0%**	**100.0%**
% PCE reduction			**64.6%**	**100.0%**	**100.0%**	**increase**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
VOCs (ug/kg)	**Solid Phase**										
Acetone	6.5 J J	12.2	8.4 J	19.4	16.1	17	31.5	89.1	12.8	24.8	46.4
2-Butanone (MEK)	ND (1.6)	ND (1.9)	ND (2.2)	ND (2.4)	ND (2.3)	ND (2.8)	ND (3.6)	ND (2.9)	ND (1.8)	2.6 J	5.1 J
Carbon disulfide	ND (0.35)	ND (0.43)	1.4 J	1.5 J	0.74 J	1.4 J	3.9	3.8	0.42 J	0.61 J	0.63 J
Tetrachloroethene (PCE)	1.70	1.00 J	0.93 J	0.91 J	ND (0.54)	1.80 J	6.60	2.70	ND (0.44)	ND (0.54)	ND (0.63)
(ug/kg)	**1.70**	**1.00**	**2.33**	**2.41**	**0.74**	**3.20**	**10.50**	**6.50**	**0.42**	**0.61**	**0.63**
% VOC reduction	**-**	**-**	**increase**	**increase**	**26.0%**	**increase**	**increase**	**increase**	**58.0%**	**39.0%**	**37.0%**
% PCE reduction	**-**	**-**	**7.0%**	**9.0%**	**100.0%**	**increase**	**increase**	**increase**	**100.0%**	**100.0%**	**100.0%**
Mass= (Total Aqueous Concentration x Reactor Aqueous Volume) + (Total Solid Concentration x Reactor Solids Weight)											
VOC (ug)	**1.73**	**0.59**	**0.54**	**0.41**	**0.13**	**1.12**	**2.55**	**1.40**	**0.07**	**0.10**	**0.11**
PCE (ug)	**1.73**	**0.59**	**0.31**	**0.15**	**0.00**	**0.88**	**1.12**	**0.46**	**0.00**	**0.00**	**0.00**
VOC mass reduction	-	-	**7.35%**	**30.20%**	**78.57%**	**increase**	**increase**	**increase**	**87.83%**	**82.33%**	**81.75%**
PCE mass reduction	-	-	**47.90%**	**73.64%**	**100.00%**	**increase**	**increase**	**21.80%**	**100.00%**	**100.00%**	**100.00%**
consumption	-	-	**100.0%**	**100.0%**	**100.0%**	**67.5%**	**50.0%**	**83.4%**	**87.4%**	**58.6%**	**74.5%**
7-day TOD (g/kg)* **	-	-	**0.50**	**1.00**	**2.50**	**0.34**	**0.50**	**2.09**	**0.44**	**0.59**	**1.86**
pH (SU)	8.03	8.02	8.15	8.12	7.98	11.4	11.7	11.99	8.7	8.65	8.65
ORP (mV)	310	322	293	301	329	54	41	25	193	233	203
Solids, Percent	70.7	69.9	63.7	59.5	62.5	65.5	64.1	62.9	64.2	69.9	63.9

Note:

MFR = Modified Fenton's Reagent, PERM = sodium permanganate, CHASP = Sodium persulfate activated by base and carbohydrate,

ug/kg = micrograms per kilogram, ug/l = micrograms per liter, mg/kg = milligrams per kilogram, mg/l = milligrams per liter. J - Indicates an approximate value.

Oxidant doses and total oxidant demand (TOD) are presented as grams of oxidant per kilogram (g/kg) of soil (in slurry) tested.

Target VOCs = All VOCs detected excluding acetone and 2-Butanone (MEK).

ATTACHMENT A

ANALYTICAL DATA PACKAGE (INITIAL)

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Isotec

East Tremont Avenue, NY

803510 PO# 7795

SGS Job Number: JE6506

Sampling Date: 02/27/25



Report to:

Isotec
11 Princess Road Suite A
Lawrenceville, NJ 08648
ychin@isotec-inc.com

ATTN: Yan Chin

Total number of pages in report: 15

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Summary of Hits **4**
Section 3: Sample Results **5**
3.1: JE6506-1: RI-MW-06 6
3.2: JE6506-1F: RI-MW-06 F 8
3.3: JE6506-2: RDI-SB-03 9
Section 4: Misc. Forms **13**
4.1: Chain of Custody 14

SGS North America Inc.

Sample Summary

Isotec

Job No: JE6506

East Tremont Avenue, NY
Project No: 803510 PO# 7795

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE6506-1	02/27/25	10:00	YC	02/28/25	AQ	Ground Water	RI-MW-06
JE6506-1F	02/27/25	10:00	YC	02/28/25	AQ	Groundwater Filtered	RI-MW-06 F
JE6506-2	02/27/25	10:00	YC	02/28/25	SO	Soil	RDI-SB-03

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JE6506
Account: Isotec
Project: East Tremont Avenue, NY
Collected: 02/27/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE6506-1	**RI-MW-06**					
cis-1,2-Dichloroethene		0.94 J	1.0	0.51	ug/l	SW846 8260D
Tetrachloroethene		205	4.0	2.2	ug/l	SW846 8260D
Trichloroethene		2.1	1.0	0.53	ug/l	SW846 8260D
JE6506-1F	**RI-MW-06 F**					
Manganese		165	15		ug/l	SW846 6010D
JE6506-2	**RDI-SB-03**					
Acetone		14.5	11	4.4	ug/kg	SW846 8260D
Carbon disulfide		1.1 J	2.1	0.57	ug/kg	SW846 8260D
Tetrachloroethene		5.5	2.1	0.61	ug/kg	SW846 8260D
Iron		19200	59		mg/kg	SW846 6010D
Manganese		1570	3.5		mg/kg	SW846 6010D
Total Organic Carbon		441	120		mg/kg	LLOYD KAHN 1988 MOD

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RI-MW-06		
Lab Sample ID:	JE6506-1	**Date Sampled:**	02/27/25
Matrix:	AQ - Ground Water	**Date Received:**	02/28/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E190386.D	1	03/04/25 11:35	ED	n/a	n/a	V1E8984
Run #2	1E190344.D	4	03/03/25 15:54	ED	n/a	n/a	V1E8983

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane [a]	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene [a]	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.94	1.0	0.51	ug/l	J
156-60-5	trans-1,2-Dichloroethene [a]	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RI-MW-06		
Lab Sample ID:	JE6506-1	**Date Sampled:**	02/27/25
Matrix:	AQ - Ground Water	**Date Received:**	02/28/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	205 [b]	4.0	2.2	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	112%	112%	80-120%
2037-26-5	Toluene-D8	103%	104%	80-120%
460-00-4	4-Bromofluorobenzene	99%	97%	82-114%

(a) This compound in blank spike is outside in house QC limits bias high.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RI-MW-06 F		
Lab Sample ID:	JE6506-1F	**Date Sampled:**	02/27/25
Matrix:	AQ - Groundwater Filtered	**Date Received:**	02/28/25
		Percent Solids:	n/a
Project:	East Tremont Avenue, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	< 100	100	ug/l	1	03/04/25	03/04/25	KP	SW846 6010D [1]	SW846 3010A [2]
Manganese	165	15	ug/l	1	03/04/25	03/04/25	KP	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA58005
(2) Prep QC Batch: MP52997

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RDI-SB-03		
Lab Sample ID:	JE6506-2	**Date Sampled:**	02/27/25
Matrix:	SO - Soil	**Date Received:**	02/28/25
Method:	SW846 8260D	**Percent Solids:**	81.6
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C206327.D	1	03/06/25 02:29	PS	n/a	n/a	V1C8888
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.5	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.53	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.45	ug/kg	
75-25-2	Bromoform	ND	5.3	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.81	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	1.1	2.1	0.57	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.48	ug/kg	
75-00-3	Chloroethane	ND	5.3	0.62	ug/kg	
67-66-3	Chloroform	ND	2.1	1.1	ug/kg	
74-87-3	Chloromethane	ND	5.3	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.69	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.73	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.44	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	0.77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.89	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.48	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.3	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RDI-SB-03		
Lab Sample ID:	JE6506-2	**Date Sampled:**	02/27/25
Matrix:	SO - Soil	**Date Received:**	02/28/25
Method:	SW846 8260D	**Percent Solids:**	81.6
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.3	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.92	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.3	2.8	ug/kg	
100-42-5	Styrene	ND	2.1	0.42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.63	ug/kg	
127-18-4	Tetrachloroethene	5.5	2.1	0.61	ug/kg	
108-88-3	Toluene	ND	1.1	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.81	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.51	ug/kg	
	m,p-Xylene	ND	1.1	0.95	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.48	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-124%
17060-07-0	1,2-Dichloroethane-D4	103%		75-133%
2037-26-5	Toluene-D8	108%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RDI-SB-03		
Lab Sample ID:	JE6506-2	**Date Sampled:**	02/27/25
Matrix:	SO - Soil	**Date Received:**	02/28/25
		Percent Solids:	81.6
Project:	East Tremont Avenue, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	19200	59	mg/kg	1	03/03/25	03/03/25	MM	SW846 6010D [1]	SW846 3050B [3]
Manganese	1570	3.5	mg/kg	2	03/03/25	03/04/25	MM	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA57992
(2) Instrument QC Batch: MA58004
(3) Prep QC Batch: MP52977

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RDI-SB-03		
Lab Sample ID:	JE6506-2	**Date Sampled:**	02/27/25
Matrix:	SO - Soil	**Date Received:**	02/28/25
		Percent Solids:	81.6
Project:	East Tremont Avenue, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	81.6		%	1	03/03/25 12:19	DP	SM2540 G 18TH ED MOD
Total Organic Carbon	441	120	mg/kg	1	03/07/25 16:29	MB	LLOYD KAHN 1988 MOD

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ISOTEC

SO
SLL

CHAIN OF CUSTODY

JE6506 PAGE 1 OF 1

11 Princess Road, Suite A, Lawrenceville, NJ 08648
TEL. 609-275-8500 FAX: 609-275-9608
www.isotec-inc.com

FED-EX Tracking #:
Receiving Lab: SGS-Dayton

Client / Reporting Information

Company Name: ISOTEC
Street Address: 11 Princeton Road, Suite A
City: Lawrenceville State: NJ Zip: 08648
Project Contact: Yan Chin E-mail: ychin@isotec-inc.com
Phone #: 609-843-0485 Fax #:
Sampler(s) Name(s): Yan Chin Phone #: 609-843-0485

Project Information

Project Name: East Tremont Ave.
Street:
City: State: NY
Project #: 803510
Client Purchase Order #: 7795
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank EB-; Equipment Blank RB-; Rinse Blank TB-; Trip Blank

ISOTEC Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE-25	VOCs (8260B, no TICs)	TOC (Modified Lloyd Kahn)	Fe	Mn	LAB USE ONLY
1F	RI-MW-06		2/27/25	10am	YC	AQ	3	3								X				
	RI-MW-06 F		2/27/25	10am	YC	AQ	1			1								X	X	
2	RDI-SB-03		2/27/25	10am	YC	SO	4					1	2	1		X	X	X	X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other
Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Please use the lowest MDL possible.
Obtain %Solids data from the TOC bottle.
The AQ sample for metals analyses was field filtered.

Initial Assess
Label Verification

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1 — Date: 2/27/25 10am	Date Time:	Received By: 1 — Emily Batts	Relinquished By: 2 — Emily Batts	Date Time: 2-28-25 1014	Received By: 2 — Jeanine M
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 1.9 IR30

SGS COURIER DIV

4.1 4

JE6506: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE6506 **Client:** ISOTEC **Project:** EAST TREMONT AVE.

Date / Time Received: 2/28/2025 4:43:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.9);

Cooler Temps (Corrected) °C: Cooler 1: (2.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE6506: Chain of Custody
Page 2 of 2

ATTACHMENT B

ANALYTICAL DATA PACKAGE (COC-TESTS)

In-Situ Oxidative Technologies, Inc.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Isotec

East Tremont Avenue, NY

803510; PO#7811

SGS Job Number: JE8593

Sampling Date: 04/01/25



Report to:

Isotec
11 Princess Road Suite A
Lawrenceville, NJ 08648
ychin@isotec-inc.com

ATTN: Yan Chin

Total number of pages in report: 56

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Jeremy Vienneau 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Summary of Hits **5**
Section 3: Sample Results **8**
3.1: JE8593-1: BL 9
3.2: JE8593-2: CT 11
3.3: JE8593-3: MFR-L 13
3.4: JE8593-4: MFR-M 15
3.5: JE8593-5: MFR-H 17
3.6: JE8593-6: BASP-L 19
3.7: JE8593-7: BASP-M 21
3.8: JE8593-8: BASP-H 23
3.9: JE8593-9: PERM-L 25
3.10: JE8593-10: PERM-M 27
3.11: JE8593-11: PERM-H 29
3.12: JE8593-12: BL 31
3.13: JE8593-13: CT 33
3.14: JE8593-14: MFR-L 35
3.15: JE8593-15: MFR-M 37
3.16: JE8593-16: MFR-H 39
3.17: JE8593-17: BASP-L 41
3.18: JE8593-18: BASP-M 43
3.19: JE8593-19: BASP-H 45
3.20: JE8593-20: PERM-L 47
3.21: JE8593-21: PERM-M 49
3.22: JE8593-22: PERM-H 51
Section 4: Misc. Forms **53**
4.1: Chain of Custody 54

SGS North America Inc.

Sample Summary

Isotec

Job No: JE8593

East Tremont Avenue, NY
Project No: 803510; PO#7811

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JE8593-1	04/01/25	11:00	YC	04/01/25	AQ	Water	BL
JE8593-2	04/01/25	11:00	YC	04/01/25	AQ	Water	CT
JE8593-3	04/01/25	11:00	YC	04/01/25	AQ	Water	MFR-L
JE8593-4	04/01/25	11:00	YC	04/01/25	AQ	Water	MFR-M
JE8593-5	04/01/25	11:00	YC	04/01/25	AQ	Water	MFR-H
JE8593-6	04/01/25	11:00	YC	04/01/25	AQ	Water	BASP-L
JE8593-7	04/01/25	11:00	YC	04/01/25	AQ	Water	BASP-M
JE8593-8	04/01/25	11:00	YC	04/01/25	AQ	Water	BASP-H
JE8593-9	04/01/25	11:00	YC	04/01/25	AQ	Water	PERM-L
JE8593-10	04/01/25	11:00	YC	04/01/25	AQ	Water	PERM-M
JE8593-11	04/01/25	11:00	YC	04/01/25	AQ	Water	PERM-H
JE8593-12	04/01/25	11:00	YC	04/01/25	SO	Soil	BL

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Isotec

Job No: JE8593

East Tremont Avenue, NY
Project No: 803510; PO#7811

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JE8593-13	04/01/25	11:00	YC	04/01/25	SO	Soil	CT
JE8593-14	04/01/25	11:00	YC	04/01/25	SO	Soil	MFR-L
JE8593-15	04/01/25	11:00	YC	04/01/25	SO	Soil	MFR-M
JE8593-16	04/01/25	11:00	YC	04/01/25	SO	Soil	MFR-H
JE8593-17	04/01/25	11:00	YC	04/01/25	SO	Soil	BASP-L
JE8593-18	04/01/25	11:00	YC	04/01/25	SO	Soil	BASP-M
JE8593-19	04/01/25	11:00	YC	04/01/25	SO	Soil	BASP-H
JE8593-20	04/01/25	11:00	YC	04/01/25	SO	Soil	PERM-L
JE8593-21	04/01/25	11:00	YC	04/01/25	SO	Soil	PERM-M
JE8593-22	04/01/25	11:00	YC	04/01/25	SO	Soil	PERM-H

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JE8593
Account: Isotec
Project: East Tremont Avenue, NY
Collected: 04/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE8593-1	**BL**					
Acetone [a]		12.5	10	3.1	ug/l	SW846 8260D
Tetrachloroethene		8.3	1.0	0.56	ug/l	SW846 8260D
JE8593-2	**CT**					
Acetone		11.9	10	3.1	ug/l	SW846 8260D
Tetrachloroethene		2.4	1.0	0.56	ug/l	SW846 8260D
JE8593-3	**MFR-L**					
Acetone [a]		41.3	10	3.1	ug/l	SW846 8260D
Tetrachloroethene		0.85 J	1.0	0.56	ug/l	SW846 8260D
JE8593-4	**MFR-M**					
Acetone		86.0	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		3.4 J	10	2.7	ug/l	SW846 8260D
JE8593-5	**MFR-H**					
Acetone [a]		225	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		4.0 J	10	2.7	ug/l	SW846 8260D
JE8593-6	**BASP-L**					
Acetone		40.5	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		4.8 J	10	2.7	ug/l	SW846 8260D
Tetrachloroethene		3.3	1.0	0.56	ug/l	SW846 8260D
JE8593-7	**BASP-M**					
Acetone [a]		45.1	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		4.7 J	10	2.7	ug/l	SW846 8260D
Tetrachloroethene		4.4	1.0	0.56	ug/l	SW846 8260D
JE8593-8	**BASP-H**					
Acetone [b]		531	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK) [b]		5.2 J	10	2.7	ug/l	SW846 8260D
Tetrachloroethene [b]		1.7	1.0	0.56	ug/l	SW846 8260D

Summary of Hits

Job Number: JE8593
Account: Isotec
Project: East Tremont Avenue, NY
Collected: 04/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE8593-9	**PERM-L**					
Acetone		18.5	10	3.1	ug/l	SW846 8260D
Bromomethane		3.7	2.0	1.6	ug/l	SW846 8260D
2-Butanone (MEK)		4.0 J	10	2.7	ug/l	SW846 8260D
JE8593-10	**PERM-M**					
Acetone		24.7	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)		6.2 J	10	2.7	ug/l	SW846 8260D
JE8593-11	**PERM-H**					
Acetone		36.5	10	3.1	ug/l	SW846 8260D
Bromomethane		3.1	2.0	1.6	ug/l	SW846 8260D
2-Butanone (MEK)		8.3 J	10	2.7	ug/l	SW846 8260D
JE8593-12	**BL**					
Acetone		6.5 J	6.6	2.7	ug/kg	SW846 8260D
Tetrachloroethene		1.7	1.3	0.38	ug/kg	SW846 8260D
JE8593-13	**CT**					
Acetone		12.2	7.9	3.3	ug/kg	SW846 8260D
Tetrachloroethene		1.0 J	1.6	0.46	ug/kg	SW846 8260D
JE8593-14	**MFR-L**					
Acetone		8.4 J	9.2	3.8	ug/kg	SW846 8260D
Carbon disulfide		1.4 J	1.8	0.49	ug/kg	SW846 8260D
Tetrachloroethene		0.93 J	1.8	0.54	ug/kg	SW846 8260D
JE8593-15	**MFR-M**					
Acetone		19.4	9.8	4.0	ug/kg	SW846 8260D
Carbon disulfide		1.5 J	2.0	0.52	ug/kg	SW846 8260D
Tetrachloroethene		0.91 J	2.0	0.57	ug/kg	SW846 8260D
JE8593-16	**MFR-H**					
Acetone		16.1	9.3	3.9	ug/kg	SW846 8260D
Carbon disulfide		0.74 J	1.9	0.50	ug/kg	SW846 8260D

Summary of Hits

Job Number: JE8593
Account: Isotec
Project: East Tremont Avenue, NY
Collected: 04/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE8593-17	**BASP-L**					
Acetone		17.0	11	4.7	ug/kg	SW846 8260D
Carbon disulfide		1.4 J	2.3	0.61	ug/kg	SW846 8260D
Tetrachloroethene		1.8 J	2.3	0.66	ug/kg	SW846 8260D
JE8593-18	**BASP-M**					
Acetone		31.5	15	6.1	ug/kg	SW846 8260D
Carbon disulfide		3.9	2.9	0.79	ug/kg	SW846 8260D
Tetrachloroethene		6.6	2.9	0.85	ug/kg	SW846 8260D
JE8593-19	**BASP-H**					
Acetone		89.1	12	5.0	ug/kg	SW846 8260D
Carbon disulfide		3.8	2.4	0.64	ug/kg	SW846 8260D
Tetrachloroethene		2.7	2.4	0.70	ug/kg	SW846 8260D
JE8593-20	**PERM-L**					
Acetone		12.8	7.6	3.1	ug/kg	SW846 8260D
Carbon disulfide		0.42 J	1.5	0.40	ug/kg	SW846 8260D
JE8593-21	**PERM-M**					
Acetone		24.8	9.3	3.8	ug/kg	SW846 8260D
2-Butanone (MEK)		2.6 J	9.3	2.3	ug/kg	SW846 8260D
Carbon disulfide		0.61 J	1.9	0.50	ug/kg	SW846 8260D
JE8593-22	**PERM-H**					
Acetone		46.4	11	4.5	ug/kg	SW846 8260D
2-Butanone (MEK)		5.1 J	11	2.6	ug/kg	SW846 8260D
Carbon disulfide		0.63 J	2.2	0.58	ug/kg	SW846 8260D

(a) Associated CCV outside of control limits high.
(b) (pH= 4) Sample pH did not satisfy field preservation criteria.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BL		
Lab Sample ID:	JE8593-1	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T18600.D	1	04/03/25 14:04	CF	n/a	n/a	V1T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	12.5	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BL		
Lab Sample ID:	JE8593-1	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [b]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	8.3	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CT		
Lab Sample ID:	JE8593-2	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T18601.D	1	04/03/25 14:18	CF	n/a	n/a	V2T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.9	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CT		
Lab Sample ID:	JE8593-2	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	2.4	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-L		
Lab Sample ID:	JE8593-3	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T18616.D	1	04/03/25 17:49	CF	n/a	n/a	V1T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	41.3	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-L		
Lab Sample ID:	JE8593-3	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [b]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	0.85	1.0	0.56	ug/l	J
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-M		
Lab Sample ID:	JE8593-4	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T18617.D	1	04/03/25 18:03	CF	n/a	n/a	V2T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	86.0	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	3.4	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-M		
Lab Sample ID:	JE8593-4	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-H		
Lab Sample ID:	JE8593-5	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T18618.D	1	04/03/25 18:17	CF	n/a	n/a	V1T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	225	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	4.0	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-H		
Lab Sample ID:	JE8593-5	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [b]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	95%		82-114%

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-L		
Lab Sample ID:	JE8593-6	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T18619.D	1	04/03/25 18:31	CF	n/a	n/a	V2T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.5	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	4.8	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-L		
Lab Sample ID:	JE8593-6	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	3.3	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [a]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-M		
Lab Sample ID:	JE8593-7	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T18620.D	1	04/03/25 18:44	CF	n/a	n/a	V1T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	45.1	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	4.7	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-M		
Lab Sample ID:	JE8593-7	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [b]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	4.4	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	88%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-H		
Lab Sample ID:	JE8593-8	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2T18621.D	1	04/03/25 18:58	CF	n/a	n/a	V2T467
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	531	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	5.2	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-H		
Lab Sample ID:	JE8593-8	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	1.7	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [c]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride [b]	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

(a) (pH= 4) Sample pH did not satisfy field preservation criteria.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-L		
Lab Sample ID:	JE8593-9	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A14851.D	1	04/04/25 19:48	JN	n/a	n/a	V4A413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.5	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	3.7	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	4.0	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-L		
Lab Sample ID:	JE8593-9	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-M		
Lab Sample ID:	JE8593-10	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5A14852.D	1	04/04/25 20:06	JN	n/a	n/a	V5A413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.7	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	6.2	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-M		
Lab Sample ID:	JE8593-10	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [c]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-H		
Lab Sample ID:	JE8593-11	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4A14853.D	1	04/04/25 20:24	JN	n/a	n/a	V4A413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	36.5	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	3.1	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	8.3	10	2.7	ug/l	J
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-H		
Lab Sample ID:	JE8593-11	**Date Sampled:**	04/01/25
Matrix:	AQ - Water	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene [a]	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BL		
Lab Sample ID:	JE8593-12	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	70.7
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214004.D	1	04/04/25 17:56	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	10.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	6.6	2.7	ug/kg	J
71-43-2	Benzene	ND	0.33	0.30	ug/kg	
74-97-5	Bromochloromethane	ND	3.3	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	0.28	ug/kg	
75-25-2	Bromoform [a]	ND	3.3	0.90	ug/kg	
74-83-9	Bromomethane	ND	3.3	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6.6	1.6	ug/kg	
75-15-0	Carbon disulfide	ND	1.3	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	0.41	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	0.30	ug/kg	
75-00-3	Chloroethane	ND	3.3	0.39	ug/kg	
67-66-3	Chloroform	ND	1.3	0.66	ug/kg	
74-87-3	Chloromethane	ND	3.3	1.3	ug/kg	
110-82-7	Cyclohexane	ND	1.3	0.43	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	1.3	0.46	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	0.37	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.66	0.28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.66	0.36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.66	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.66	0.33	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.3	0.48	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.66	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.66	0.31	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.66	0.43	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.66	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.66	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.3	0.31	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	0.31	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.30	ug/kg	
100-41-4	Ethylbenzene	ND	0.66	0.30	ug/kg	
76-13-1	Freon 113 [b]	ND	3.3	1.8	ug/kg	
591-78-6	2-Hexanone	ND	3.3	1.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BL		
Lab Sample ID:	JE8593-12	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	70.7
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	1.3	0.94	ug/kg	
79-20-9	Methyl Acetate	ND	3.3	0.92	ug/kg	
108-87-2	Methylcyclohexane	ND	1.3	0.58	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.66	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.3	1.5	ug/kg	
75-09-2	Methylene chloride	ND	3.3	1.7	ug/kg	
100-42-5	Styrene [a]	ND	1.3	0.27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	0.40	ug/kg	
127-18-4	Tetrachloroethene	1.7	1.3	0.38	ug/kg	
108-88-3	Toluene	ND	0.66	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.3	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	3.3	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	0.32	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.37	ug/kg	
79-01-6	Trichloroethene	ND	0.66	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.3	0.45	ug/kg	
75-01-4	Vinyl chloride	ND	1.3	0.32	ug/kg	
	m,p-Xylene	ND	0.66	0.59	ug/kg	
95-47-6	o-Xylene [a]	ND	0.66	0.30	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.66	0.30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	98%		75-133%
2037-26-5	Toluene-D8	103%		79-125%
460-00-4	4-Bromofluorobenzene	107%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CT		
Lab Sample ID:	JE8593-13	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	69.9
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y213960.D	1	04/03/25 15:12	PS	n/a	n/a	VY9237
Run #2 [a]	Y214005.D	1	04/04/25 18:18	PS	n/a	n/a	VY9238

	Initial Weight
Run #1	9.0 g
Run #2	4.5 g

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.2	7.9	3.3	ug/kg	
71-43-2	Benzene	ND	0.40	0.36	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.34	ug/kg	
75-25-2	Bromoform	ND	4.0	1.1	ug/kg	
74-83-9	Bromomethane [b]	ND	4.0	0.61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.9	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	1.6	0.43	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.49	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.36	ug/kg	
75-00-3	Chloroethane	ND	4.0	0.47	ug/kg	
67-66-3	Chloroform	ND	1.6	0.79	ug/kg	
74-87-3	Chloromethane	ND	4.0	1.6	ug/kg	
110-82-7	Cyclohexane	ND	1.6	0.52	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.6	0.55	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.45	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.79	0.33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.79	0.43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.79	0.39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.79	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.79	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.79	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.79	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.79	0.67	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.79	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.38	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.36	ug/kg	
100-41-4	Ethylbenzene	ND	0.79	0.36	ug/kg	
76-13-1	Freon 113	ND	4.0	2.1	ug/kg	
591-78-6	2-Hexanone	ND	4.0	1.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CT		
Lab Sample ID:	JE8593-13	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	69.9
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.6	1.1	ug/kg	
79-20-9	Methyl Acetate	ND	4.0	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	1.6	0.70	ug/kg	
1634-04-4	Methyl Tert Butyl Ether [c]	ND	0.79	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	4.0	2.1	ug/kg	
100-42-5	Styrene	ND	1.6	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.48	ug/kg	
127-18-4	Tetrachloroethene	1.0	1.6	0.46	ug/kg	J
108-88-3	Toluene	ND	0.79	0.42	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.38	ug/kg	
79-00-5	1,1,2-Trichloroethane [c]	ND	1.6	0.44	ug/kg	
79-01-6	Trichloroethene	ND	0.79	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	0.54	ug/kg	
75-01-4	Vinyl chloride	ND	1.6	0.38	ug/kg	
	m,p-Xylene	ND	0.79	0.71	ug/kg	
95-47-6	o-Xylene	ND	0.79	0.36	ug/kg	
1330-20-7	Xylene (total)	ND	0.79	0.36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	96%	80-124%
17060-07-0	1,2-Dichloroethane-D4	104%	95%	75-133%
2037-26-5	Toluene-D8	98%	103%	79-125%
460-00-4	4-Bromofluorobenzene	119%	107%	58-148%

(a) Sample prepped from intact soil. Confirmation run.
(b) Associated CCV outside of control limits low. No sensitivity check was provided.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-L		
Lab Sample ID:	JE8593-14	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	63.7
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214006.D	1	04/04/25 18:40	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	8.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.4	9.2	3.8	ug/kg	J
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.40	ug/kg	
75-25-2	Bromoform [a]	ND	4.6	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.6	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.2	2.2	ug/kg	
75-15-0	Carbon disulfide	1.4	1.8	0.49	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.8	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane	ND	4.6	0.55	ug/kg	
67-66-3	Chloroform	ND	1.8	0.92	ug/kg	
74-87-3	Chloromethane	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	1.8	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.92	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.92	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.92	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.92	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.67	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.92	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.92	0.43	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.92	0.60	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.92	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.92	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.92	0.42	ug/kg	
76-13-1	Freon 113 [b]	ND	4.6	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.6	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-L		
Lab Sample ID:	JE8593-14	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	63.7
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.92	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.6	2.4	ug/kg	
100-42-5	Styrene [a]	ND	1.8	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.55	ug/kg	
127-18-4	Tetrachloroethene	0.93	1.8	0.54	ug/kg	J
108-88-3	Toluene	ND	0.92	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	4.6	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.51	ug/kg	
79-01-6	Trichloroethene	ND	0.92	0.70	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.92	0.83	ug/kg	
95-47-6	o-Xylene [a]	ND	0.92	0.42	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.92	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-124%
17060-07-0	1,2-Dichloroethane-D4	93%		75-133%
2037-26-5	Toluene-D8	103%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MFR-M
Lab Sample ID: JE8593-15
Matrix: SO - Soil
Method: SW846 8260D
Project: East Tremont Avenue, NY

Date Sampled: 04/01/25
Date Received: 04/01/25
Percent Solids: 59.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214007.D	1	04/04/25 19:02	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	8.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.4	9.8	4.0	ug/kg	
71-43-2	Benzene	ND	0.49	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/kg	
75-25-2	Bromoform [a]	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.75	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.8	2.4	ug/kg	
75-15-0	Carbon disulfide	1.5	2.0	0.52	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.58	ug/kg	
67-66-3	Chloroform	ND	2.0	0.98	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.98	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.98	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.98	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.98	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.98	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.98	0.46	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.98	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.98	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.98	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	0.98	0.44	ug/kg	
76-13-1	Freon 113 [b]	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.9	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-M		
Lab Sample ID:	JE8593-15	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	59.5
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.9	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.98	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.9	2.6	ug/kg	
100-42-5	Styrene [a]	ND	2.0	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.59	ug/kg	
127-18-4	Tetrachloroethene	0.91	2.0	0.57	ug/kg	J
108-88-3	Toluene	ND	0.98	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	4.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.54	ug/kg	
79-01-6	Trichloroethene	ND	0.98	0.74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.47	ug/kg	
	m,p-Xylene	ND	0.98	0.88	ug/kg	
95-47-6	o-Xylene [a]	ND	0.98	0.45	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.98	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-124%
17060-07-0	1,2-Dichloroethane-D4	95%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	107%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-H		
Lab Sample ID:	JE8593-16	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	62.5
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214008.D	1	04/04/25 19:23	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	8.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.1	9.3	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform [a]	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	0.74	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.93	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113 [b]	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MFR-H		
Lab Sample ID:	JE8593-16	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	62.5
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene [a]	ND	1.9	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.83	ug/kg	
95-47-6	o-Xylene [a]	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	94%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-L		
Lab Sample ID:	JE8593-17	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	65.5
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214009.D	1	04/04/25 19:45	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.0	11	4.7	ug/kg	
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.49	ug/kg	
75-25-2	Bromoform [a]	ND	5.7	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.87	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.8	ug/kg	
75-15-0	Carbon disulfide	1.4	2.3	0.61	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.7	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	1.1	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.3	0.79	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.57	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.54	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	1.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.52	ug/kg	
76-13-1	Freon 113 [b]	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-L		
Lab Sample ID:	JE8593-17	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	65.5
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	2.3	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	ND	5.7	3.0	ug/kg	
100-42-5	Styrene [a]	ND	2.3	0.46	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.68	ug/kg	
127-18-4	Tetrachloroethene	1.8	2.3	0.66	ug/kg	J
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	5.7	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene [a]	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total) [a]	ND	1.1	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	94%		75-133%
2037-26-5	Toluene-D8	104%		79-125%
460-00-4	4-Bromofluorobenzene	105%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-M		
Lab Sample ID:	JE8593-18	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	64.1
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214010.D	1	04/04/25 20:07	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.5	15	6.1	ug/kg	
71-43-2	Benzene	ND	0.74	0.67	ug/kg	
74-97-5	Bromochloromethane	ND	7.4	0.82	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.63	ug/kg	
75-25-2	Bromoform [a]	ND	7.4	2.0	ug/kg	
74-83-9	Bromomethane	ND	7.4	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.6	ug/kg	
75-15-0	Carbon disulfide	3.9	2.9	0.79	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.91	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.68	ug/kg	
75-00-3	Chloroethane	ND	7.4	0.87	ug/kg	
67-66-3	Chloroform	ND	2.9	1.5	ug/kg	
74-87-3	Chloromethane	ND	7.4	2.9	ug/kg	
110-82-7	Cyclohexane	ND	2.9	0.97	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.9	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.82	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.62	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.80	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.73	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.73	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.4	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.73	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.69	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	1.5	0.96	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.90	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.70	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.70	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.67	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.67	ug/kg	
76-13-1	Freon 113 [b]	ND	7.4	3.9	ug/kg	
591-78-6	2-Hexanone	ND	7.4	3.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-M		
Lab Sample ID:	JE8593-18	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	64.1
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	2.9	2.1	ug/kg	
79-20-9	Methyl Acetate	ND	7.4	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.9	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.4	3.3	ug/kg	
75-09-2	Methylene chloride	ND	7.4	3.8	ug/kg	
100-42-5	Styrene [a]	ND	2.9	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.88	ug/kg	
127-18-4	Tetrachloroethene	6.6	2.9	0.85	ug/kg	
108-88-3	Toluene	ND	1.5	0.77	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	3.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	7.4	3.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.82	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.4	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.71	ug/kg	
	m,p-Xylene	ND	1.5	1.3	ug/kg	
95-47-6	o-Xylene [a]	ND	1.5	0.67	ug/kg	
1330-20-7	Xylene (total) [a]	ND	1.5	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-124%
17060-07-0	1,2-Dichloroethane-D4	93%		75-133%
2037-26-5	Toluene-D8	103%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-H		
Lab Sample ID:	JE8593-19	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	62.9
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214011.D	1	04/04/25 20:29	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	89.1	12	5.0	ug/kg	
71-43-2	Benzene	ND	0.60	0.55	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.67	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.52	ug/kg	
75-25-2	Bromoform [a]	ND	6.0	1.6	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.92	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	3.8	2.4	0.64	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.74	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.55	ug/kg	
75-00-3	Chloroethane	ND	6.0	0.71	ug/kg	
67-66-3	Chloroform	ND	2.4	1.2	ug/kg	
74-87-3	Chloromethane	ND	6.0	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.79	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.4	0.84	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.67	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.66	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.60	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	0.88	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.57	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	1.2	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.74	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.57	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.55	ug/kg	
76-13-1	Freon 113 [b]	ND	6.0	3.2	ug/kg	
591-78-6	2-Hexanone	ND	6.0	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BASP-H		
Lab Sample ID:	JE8593-19	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	62.9
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	6.0	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.56	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	2.7	ug/kg	
75-09-2	Methylene chloride	ND	6.0	3.1	ug/kg	
100-42-5	Styrene [a]	ND	2.4	0.48	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.72	ug/kg	
127-18-4	Tetrachloroethene	2.7	2.4	0.70	ug/kg	
108-88-3	Toluene	ND	1.2	0.63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	3.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	6.0	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.67	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.92	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.82	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.58	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene [a]	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total) [a]	ND	1.2	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-124%
17060-07-0	1,2-Dichloroethane-D4	96%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	105%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-L		
Lab Sample ID:	JE8593-20	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	64.2
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214012.D	1	04/04/25 20:50	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	10.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.8	7.6	3.1	ug/kg	
71-43-2	Benzene	ND	0.38	0.34	ug/kg	
74-97-5	Bromochloromethane	ND	3.8	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	0.32	ug/kg	
75-25-2	Bromoform [a]	ND	3.8	1.0	ug/kg	
74-83-9	Bromomethane	ND	3.8	0.58	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.6	1.8	ug/kg	
75-15-0	Carbon disulfide	0.42	1.5	0.40	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.5	0.47	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	0.35	ug/kg	
75-00-3	Chloroethane	ND	3.8	0.45	ug/kg	
67-66-3	Chloroform	ND	1.5	0.76	ug/kg	
74-87-3	Chloromethane	ND	3.8	1.5	ug/kg	
110-82-7	Cyclohexane	ND	1.5	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	1.5	0.52	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	0.42	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.76	0.32	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.76	0.41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.76	0.38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.76	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.8	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.76	0.37	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.76	0.36	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.76	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.76	0.64	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.76	0.46	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.5	0.36	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	0.36	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	0.35	ug/kg	
100-41-4	Ethylbenzene	ND	0.76	0.34	ug/kg	
76-13-1	Freon 113 [b]	ND	3.8	2.0	ug/kg	
591-78-6	2-Hexanone	ND	3.8	1.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-L		
Lab Sample ID:	JE8593-20	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	64.2
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	1.5	1.1	ug/kg	
79-20-9	Methyl Acetate	ND	3.8	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	1.5	0.66	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.76	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	3.8	2.0	ug/kg	
100-42-5	Styrene [a]	ND	1.5	0.30	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	0.45	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	0.44	ug/kg	
108-88-3	Toluene	ND	0.76	0.40	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	3.8	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	0.37	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.42	ug/kg	
79-01-6	Trichloroethene	ND	0.76	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	0.52	ug/kg	
75-01-4	Vinyl chloride	ND	1.5	0.36	ug/kg	
	m,p-Xylene	ND	0.76	0.68	ug/kg	
95-47-6	o-Xylene [a]	ND	0.76	0.35	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.76	0.35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-124%
17060-07-0	1,2-Dichloroethane-D4	90%		75-133%
2037-26-5	Toluene-D8	103%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-M		
Lab Sample ID:	JE8593-21	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	69.9
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214013.D	1	04/04/25 21:12	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	7.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.8	9.3	3.8	ug/kg	
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform [a]	ND	4.6	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.6	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	2.6	9.3	2.3	ug/kg	J
75-15-0	Carbon disulfide	0.61	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.6	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.93	ug/kg	
74-87-3	Chloromethane	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	1.9	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113 [b]	ND	4.6	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.6	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-M		
Lab Sample ID:	JE8593-21	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	69.9
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.6	2.4	ug/kg	
100-42-5	Styrene [a]	ND	1.9	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	4.6	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.51	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.83	ug/kg	
95-47-6	o-Xylene [a]	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total) [a]	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	93%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	107%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-H		
Lab Sample ID:	JE8593-22	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	63.9
Project:	East Tremont Avenue, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y214014.D	1	04/04/25 21:34	PS	n/a	n/a	VY9238
Run #2							

	Initial Weight
Run #1	7.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	46.4	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.61	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.47	ug/kg	
75-25-2	Bromoform [a]	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.83	ug/kg	
78-93-3	2-Butanone (MEK)	5.1	11	2.6	ug/kg	J
75-15-0	Carbon disulfide	0.63	2.2	0.58	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.2	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.64	ug/kg	
67-66-3	Chloroform	ND	2.2	1.1	ug/kg	
74-87-3	Chloromethane	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.71	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.2	0.75	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.61	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.54	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.54	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	0.79	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.54	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	1.1	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113 [b]	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PERM-H		
Lab Sample ID:	JE8593-22	**Date Sampled:**	04/01/25
Matrix:	SO - Soil	**Date Received:**	04/01/25
Method:	SW846 8260D	**Percent Solids:**	63.9
Project:	East Tremont Avenue, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene [a]	ND	2.2	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.4	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.95	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.4	2.8	ug/kg	
100-42-5	Styrene [a]	ND	2.2	0.44	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.65	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.63	ug/kg	
108-88-3	Toluene	ND	1.1	0.57	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	5.4	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.60	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.83	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.74	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.97	ug/kg	
95-47-6	o-Xylene [a]	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total) [a]	ND	1.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-124%
17060-07-0	1,2-Dichloroethane-D4	97%		75-133%
2037-26-5	Toluene-D8	105%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ISOTEC

CHAIN OF CUSTODY

JE8593

PAGE 1 OF 1

11 Princess Road, Suite A, Lawrenceville, NJ 08648
TEL 609-275-8500 FAX: 609-275-9608
www.isotec-inc.com

FED-EX Tracking #:

Receiving Lab: SGS-Dayton

Client / Reporting Information

Company Name: ISOTEC
Street Address: 11 Princell Road, Suite A
City: Lawrenceville State: NJ Zip: 08648
Project Contact: Yan Chin E-mail: ychin@isotec-inc.com
Phone #: 609-843-0485 Fax #:
Sampler(s) Name(s): Yan Chin Phone #: 609-843-0485

Project Information

Project Name: East Tremont Ave.
Street:
City: State: NY
Project #: 803510
Client Purchase Order #: 7811
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank EB-; Equipment Blank RB-; Rinse Blank TB-; Trip Blank

ISOTEC Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE-25	VOCs (8260B, no TICs)	LAB USE ONLY
1	BL		4/1/25	11am	YC	AQ	3	3								X	
2	CT		4/1/25	11am	YC	AQ	3	3								X	
3	MFR-L		4/1/25	11am	YC	AQ	2	2								X	
4	MFR-M		4/1/25	11am	YC	AQ	2	2								X	
5	MFR-H		4/1/25	11am	YC	AQ	2	2								X	
6	BASP-L		4/1/25	11am	YC	AQ	2	2								X	
7	BASP-M		4/1/25	11am	YC	AQ	2	2								X	
8	BASP-H		4/1/25	11am	YC	AQ	2	2								X	
9	Perm-L		4/1/25	11am	YC	AQ	2	2								X	
10	Perm-M		4/1/25	11am	YC	AQ	2	2								X	
11	Perm-H		4/1/25	11am	YC	AQ	2	2								X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Please use the lowest MDL possible.

Initial Assessment 2A NP
Label Verification

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:
1	Yan Chin	4/1/25 11am	1 Emily Batista	4-1-25 1405	2 Emily Batista	4-1-25 1838	2	
3			3		4		4	
5			5		Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice / Cooler Temp.

SGS COURIER P/U

2.1 IR50

ISOTEC

CHAIN OF CUSTODY

JE8593

PAGE 2 OF 2

11 Princess Road, Suite A, Lawrenceville, NJ 08648
TEL. 609-275-8500 FAX: 609-275-9608
www.isotec-inc.com

FED-EX Tracking #:

Receiving Lab: SGS-Dayton

Client / Reporting Information

Company Name: ISOTEC
Street Address: 11 Princell Road, Suite A
City: Lawrenceville State: NJ Zip: 08648
Project Contact: Yan Chin E-mail: ychin@isotec-inc.com
Phone #: 609-843-0485 Fax #:
Sampler(s) Name(s): Yan Chin Phone #: 609-843-0485

Project Information

Project Name: East Tremont Ave.
Street:
City: State: NY
Project #: 803510
Client Purchase Order #: 7811
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank EB-
Equipment Blank RB-
Rinse Blank TB-
Trip Blank

ISOTEC Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE 25	VOCs (8260B, no TICs)	LAB USE ONLY
12	BL		4/1/25	11am	YC	SO	4					1	2	1		X	
13	CT		4/1/25	11am	YC	SO	4					1	2	1		X	
14	MFR-L		4/1/25	11am	YC	SO	4					1	2	1		X	
15	MFR-M		4/1/25	11am	YC	SO	4					1	2	1		X	
16	MFR-H		4/1/25	11am	YC	SO	4					1	2	1		X	
17	BASP-L		4/1/25	11am	YC	SO	4					1	2	1		X	
18	BASP-M		4/1/25	11am	YC	SO	4					1	2	1		X	
19	BASP-H		4/1/25	11am	YC	SO	4					1	2	1		X	
20	Perm-L		4/1/25	11am	YC	SO	4					1	2	1		X	
21	Perm-M		4/1/25	11am	YC	SO	4					1	2	1		X	
22	Perm-H		4/1/25	11am	YC	SO	4					1	2	1		X	

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Please use the lowest MDL possible.

2nd page provided to SM 4/2/25

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:
1	Yan Chin	4/1/25 11am	1	4/1/25 1405	2 SGS Courier	4/1/25 1838	2	
3			3		4		4	
5			5		Custody Seal #	[ ] Intact [ ] Not intact	Preserved where applicable [ ]	On Ice [ ] Cooler Temp.

SGS Sample Receipt Summary

Job Number: JE8593 **Client:** ISOTEC **Project:** EAST TREMONT AVE.

Date / Time Received: 4/1/2025 6:38:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE8593: Chain of Custody
Page 3 of 3

APPENDIX F
ENVIRONMENTAL FOOTPRINT ANALYSIS AND CLIMATE VULNERABILITY ANALYSIS

Environmental, Planning, and Engineering Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

April 18, 2025

Ms. Jennifer Gonzalez
NYSDEC
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

Re: Environmental Footprint Analysis (EFA)
521 East Tremont Avenue, Bronx, NY
NYSDEC BCP Site No. C203161

Dear Ms. Gonzalez:

This Environmental Footprint Analysis (EFA) has been prepared by AKRF, Inc. (AKRF) on behalf of M521 Tremont LLC and 521 Tremont Owner LLC (the "Client") for the site [New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203161] located at the above-referenced location, also identified as New York City Tax Block 3043, Lots 72 and 77 (the "Site"). As further detailed in the November 2023 NYSDEC Memorandum, DER-31: Green and Sustainable Remediation Initiative, beginning January 1, 2024, all remedial work plans and reports submitted to NYSDEC pursuant to a remedial program under Part 375 are required to address green and sustainable remediation (GSR) in accordance with DER-31. The EFA requirement was incorporated into the NYSDEC Decision Document as a requirement for selection between the two remedy alternatives — Track 1 and Track 2/4.

This EFA focuses on the primary components of the remedy: excavation and disposal of soil, import of approved materials (stone, soil etc.) for backfill, in-situ chemical oxidation (ISCO) groundwater treatment, and installation of an active sub-slab depressurization system (SSDS). The below-ground portion of the SSDS installation will be performed using import of 450 tons of SSDS gas permeable aggregate for Track 2/4. Remedial activities also will include removal and off-site disposal of soil/fill materials, and daily use of heavy machinery.

This EFA was performed consistent with NYSDEC guidelines, the methodologies used in the Environmental Protection Agency (EPA) Spreadsheets for Environmental Footprint Analysis (SEFA) tool, and the requirements of the Climate Leadership and Community Protection Act (CLCPA).

GREENHOUSE GASES

Greenhouse gases (GHGs) are those gaseous constituents of the atmosphere, both natural and anthropogenic, that absorb and emit radiation at specific wavelengths within the spectrum of infrared radiation emitted by the Earth's surface, the atmosphere, and clouds. The general warming of the Earth's atmosphere caused by this phenomenon is known as the "greenhouse effect." The United States

Environmental Protection Agency (EPA) identifies seven types of GHGs that are relevant for GHG inventory purposes: carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), nitrogen trifluoride (NF_3), and sulfur hexafluoride (SF_6). There are no significant direct or indirect sources of HFCs, PFCs, NF_3, or SF_6 associated with the selected remedy; therefore, the GHG assessment focuses on CO_2, N_2O, and methane.

To present a complete inventory of all GHGs, component emissions are added together and presented as carbon dioxide equivalent (CO_2e) emissions—a unit representing the quantity of each GHG weighted by its effectiveness using CO_2 as a reference. This is achieved by multiplying the quantity of each GHG emitted by a factor called global warming potential (GWP). GWPs account for the lifetime and the radiative forcing[1] of each chemical over a period of 20 years (e.g., CO_2 has a much shorter atmospheric lifetime than N_2O and therefore has a much lower GWP). The GWPs for the main GHGs discussed here are presented in **Table 1**.

Table 1
Global Warming Potential (GWP) for Major GHGs

Greenhouse Gas	20-Year Horizon GWP
Carbon Dioxide (CO_2)	1
Methane (CH_4)	84
Nitrous Oxide (N_2O)	264
Source: 6 NYCRR 496.5	

Statewide GHG Inventory and Emission Limit

In July 2019, New York State enacted the CLCPA establishing statewide GHG emission limits that represent a 40 percent reduction from 1990 levels by 2030, and an 85 percent reduction from 1990 levels by 2050. Among other requirements to meet the state's emission reduction goals, the CLCPA directs state agencies to determine if their decisions are consistent with the statewide GHG emission limits established by the CLCPA in the Environmental Conservation Law (ECL) Article 75[2].

As part of the regulations adopted at 6 NYCRR Part 496 in 2020, the New York State Energy Research and Development Authority (NYSERDA) developed the 1990 baseline GHG emissions for New York State consistent with the calculation requirements specified under the CLCPA. The statewide inventory is separated into four sectors—Energy Sector, Industrial Processes and Product Use, Agriculture Forestry and Other Land Use, and Waste. The GHG emissions associated with the selected remedy would fall within the Energy Sector (including emissions from the direct fuel combustion and electricity usage), the Industrial Processes and Product Use Sector (the embodied emissions from the manufacturing process of materials brought to the Site), and the Waste Sector (emissions associated with the end of life for materials removed from the Site for disposal).

The GHG inventory performed by NYSERDA determined a statewide 1990 annual baseline emission total of 409.78 million metric tons (MMT) of CO_2e. As established in 6 NYCRR Part 496, the statewide annual CO_2e emission limits for 2030 and 2050 as 245.87 MMT and 61.47 MMT, respectively.

METHODOLOGY

On-Site Fuel Usage

[1] *Radiative forcing* is a measure of the influence a gas has in altering the balance of incoming and outgoing energy in the Earth-atmosphere system and is an index of the importance of the gas as a GHG.

[2] CLCPA Section 7(2).

Direct Emissions

Consistent with the SEFA tool, on-site fuel (i.e., direct) emissions were estimated based on the fuel consumption associated with construction equipment to be used during implementation of the remedy. On-site emissions were calculated for non-road construction engines based on specific estimates of construction activity and fuel consumption data from the NONROAD emissions module within model EPA's MOVES model. The detailed data, including the number, type, power rating, and hours of operation for all construction engines was coupled with fuel consumption rate data from EPA's MOVES model to estimate total fuel consumption throughout the duration of the construction activities.

Direct GHG emissions from Site work were calculated based on fuel consumption over the duration to complete the remedies — approximately eleven months to complete Track 1 and seven months to complete Track 2/4. The quantity of fuel was then multiplied by a unit-specific CO_2 emission factor of 10.21 kg per gallon of diesel—taken from EPA's Emission Factors for Greenhouse Gas Inventories. In order to develop CO_2e emission factors, emission factors of N_2O and CH_4 for diesel construction equipment (1.01 g/gallon and 0.94 g/gallon, respectively) were also taken from EPA's Emission Factors Hub.

Upstream Emissions

Upstream GHG emissions were also projected based upon the estimated fuel consumption required for the selected remedy. Upstream emission factors for diesel have been specified by NYSDEC for upstream and out-of-state emissions.[3]

Off-Site Fuel Usage

Consistent with the SEFA tool, GHG emissions associated with the truck and worker trips to the Site were estimated. The numbers of trucks (concrete trucks, dump trucks, and tractor trailers) and workers for each phase of construction activity were used to estimate truck and vehicle VMT. Distances for truck deliveries were developed based on estimates of the origin and destination of materials. Table 18-7 of the *CEQR Technical Manual* was used to determine the percentage of vehicle miles traveled by road type, and the most recent version of the EPA MOVES model provided an estimate of truck GHG emission factors, which were used to produce the associated emissions attributable to the selected remedy.

GHG emissions generated by the selected remedy associated with the number of vehicle trips by mode (e.g., worker cars, delivery trucks) were calculated using the estimated number vehicles traveling to the Site to develop total vehicle miles traveled (VMT). VMT was calculated using an average round-trip commute distance of 25.3 miles for construction workers in the New York City Region (based on the average trip to work distance for the New York Metropolitan Area area)[4]; and round-trip distances for truck deliveries was based on the identified origin and destination of materials and waste.

Based upon a duration of eleven months to complete Track 1, 39,094 VMT were estimated for construction worker travel. Construction/delivery truck trips were estimated to result in 686,784 VMT. In the seven months to complete Track 2/4, 26,671 VMT were estimated for construction worker travel. Construction/delivery truck trips were estimated to result in 152,193 VMT. GHG emissions were then estimated directly using CO_2e emission factors from the most recent version of the EPA MOVES model (MOVES5).

Material Emissions

---

[3] NYSDEC. Appendix A of the *2024 Statewide GHG Emission Report*. December 2024.

[4] New York State Department of Transportation (NYSDOT). *2009 NHTS, New York State Add-On*. Key Tables. Table 3: Average Travel Day Person-Trip Length by Mode and Purpose, trip-to work distance for SOV in NYMTC 10-county area. 2011.

Emissions related to the production of construction materials (embodied emissions) were estimated based on the quantity of materials to be brought to the Site along with the appropriate CO_2e emission factors used in the SEFA tool. The Track 1 remedy will import approximately 14,250 tons of soil while Track 2/4 will import approximately 1,500 tons of soil, 450 tons of aggregate, 0.3 tons of piping, 0.1 tons of filter fabric, and 2.3 tons of vapor barrier.

Waste Emissions

Emissions associated with disposed materials exported from the Site were estimated based on the quantity of materials to be removed, the description of those materials, the potential destination, and the appropriate CO_2e emission factors used in the SEFA tool. Track 1 and Track 2/4 will require export of 30,000 and 12,450 tons of non-hazardous soil, respectively. All exported materials are to be sent to hazardous or non-hazardous waste landfill facilities for disposal, as applicable. Therefore, emissions associated with both waste handling and transportation of the materials to the disposal facility were included in the off-site fuel usage estimates.

PROJECTED CARBON FOOTPRINT

The estimated GHG emissions for the selected remedy are presented in **Tables 2 and 3**. Detailed calculations can be found in Appendix A.

Table 2
Summary of GHG Emissions—Track 1
(metric tons CO2e)

Core Element	Energy Consumption (MMBtu)	Direct Emissions	Indirect Emissions	*Total*
On-Site Fuel Usage	*3,352*	*249*	*81*	*331*
Off-Site Fuel Usage	*20,008*	*0*	*1,480*	*1,480*
Material	*707*	*0*	*31*	*31*
Waste	*4,800*	*0*	*340*	*340*
Total	***28,867***	***249***	***1,932***	***2,181***
Note: Totals may not sum due to rounding. See detailed calculations in Appendix A.				

Table 3
Summary of GHG Emissions—Track 2/4
(metric tons CO2e)

Core Element	Energy Consumption (MMBtu)	Direct Emissions	Indirect Emissions	*Total*
On-Site Fuel Usage	*2,054*	*153*	*50*	*203*
Off-Site Fuel Usage	*4,536*	*0*	*335*	*335*
Material	*192*	*0*	*9*	*9*
Waste	*1,992*	*0*	*141*	*141*
Total	***8,775***	***153***	***536***	***688***
Note: Totals may not sum due to rounding. See detailed calculations in Appendix A.				

If you have any questions or require additional information, please contact me at (646) 388-9846 or Adrianna Bosco at (646) 388-9576.

Sincerely,
AKRF, Inc.



Kevin Edwards
Senior Technical Director

cc: Adrianna Bosco / AKRF

APPENDIX A
GREENHOUSE GAS EMISSION CALCULATIONS

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Construction Emissions Summary

Table B
Summary of GHG Emissions--Track 2 / 4
(metric tons CO2e)

Core Element	Energy Consumption (MMBtu)	Direct Emissions	Indirect Emissions	*Total*
On-Site Fuel Usage	2,054	*153*	*50*	*203*
Off-Site Fuel Usage	4,536	*0*	*335*	*335*
Material	192	*0*	*9*	*9*
Waste	1,992	*0*	*141*	*141*
Total	**8,775**	**153**	**536**	***688***

Note: Totals may not sum due to rounding. See detailed calculations in Attachment A.

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Construction Task Schedule

Representative Start Date 12/1/2025

Site	Task	Duration		
		Days	Start	End
521 East Tremont Ave	Export/SOE Installation	65	12/1/2025	3/1/2026
	Import	45	3/2/2026	5/1/2026
	Mob/Demob	20	5/2/2026	5/30/2026
	SSDS Installation	30	5/31/2026	7/11/2026
	Total	160	12/1/2025	7/11/2026

521 East Tremont Ave

Excavated Soil		
Non-Hazardous	12,450	ton
Lead	-	ton
TCE	-	ton
TOTAL	12,450	ton
Backfill Import	1,000	CY
	1,500	ton
Aggregate Import	300	CY
	450	ton
Piping Import	300	LF
	0.3	ton
Filter Fabric Import	5,000	SF
	0.1	ton
Vapor Barrier Import	16,600	SF
	2	ton
Disposed GW	6552000	gal
	27617	ton

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Truck Schedule

Import/Export Material Type	Material Origin/Destination	Tonnage	Total Trucks	Travel Distance (mi)
SOIL DISPOSAL				
	TOTAL	12,450	415	
	Capital Quarry - East Bangor, PA	12,450	415	78.0
	Recycling (SEFA Default)	0	0	50.0
	Non-BCP Landfill (SEFA Default)	0	0	25.0
BACKFILL IMPORT				
	TOTAL	1,500	50	
	Braen Stone - Lafayette, NJ	1,500	50	57.0
AGGREGATE IMPORT				
	TOTAL	450	15	
	Braen Stone - Lafayette, NJ	450	15	57.0
PIPING, FILTER FABRIC, VAPOR BARRIER IMPORT				
	TOTAL	3	1	
	Remediation Import (SEFA Deault)	3	1	25.0

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Worker Projections

Site	Start Date	End Date	Task	Workers Per Day	Modal Split	Auto Occupancy	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																															
	Dec-25	Mar-26	Export/SOE Installation	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	6	132	121	110	0	0	0	0	0	0	0	0	0	0	
	Mar-26	May-26	Import	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	127	6	0	0	0	0	0	0	0	
	May-26	May-26	Mob/Demob	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	0	0	0	0	0	0	0	
	May-26	Jul-26	SSDS Installation	15	143%	2.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	227	79	0	0	0	0	0	
			Monthly trips (trip/month)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**132**	**121**	**110**	**127**	**127**	**126**	**227**	**79**	**0**	**0**	**0**	**0**	**0**	

Site	Start Date	End Date	Task	One Way Trip Distance (mi)		2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Mar-26	Export/SOE Installation	12.64		0	0	0	0	0	0	0	0	0	0	139	3345	3066	2787	0	0	0	0	0	0	0	0	0	0	
	Mar-26	May-26	Import	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3205	3205	139	0	0	0	0	0	0	0	
	May-26	May-26	Mob/Demob	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2787	0	0	0	0	0	0	0	
	May-26	Jul-26	SSDS Installation	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	5747	1999	0	0	0	0	0	
			Monthly VMT (mi/month)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**139**	**3345**	**3066**	**2787**	**3205**	**3205**	**3177**	**5747**	**1999**	**0**	**0**	**0**	**0**	**0**	

Total VMT **26.671** mi

Fuel Consumption
918 gallons
115 MMBtu

Site	Start Date	End Date	Task	CO2e Emission Factor		2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Mar-26	Export/SOE Installation	306		0	0	0	0	0	0	0	0	0	0	43	1023	938	852	0	0	0	0	0	0	0	0	0	0	
	Mar-26	May-26	Import	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	980	980	43	0	0	0	0	0	0	0	
	May-26	May-26	Mob/Demob	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	852	0	0	0	0	0	0	0	
	May-26	Jul-26	SSDS Installation	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	1758	611	0	0	0	0	0	
			Monthly Emissions (kg/month)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**43**	**1.023**	**938**	**852**	**980**	**980**	**972**	**1.758**	**611**	**0**	**0**	**0**	**0**	**0**	
			Monthly Emissions (MT/month)			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**0.9**	**0.9**	**1.0**	**1.0**	**1.0**	**1.8**	**0.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	

Total Emissions
8.157 kg
8 metric ton

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Truck Emissions

Site	Start Date	End Date	Task	Origin/Destination	Total Trucks	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Mar-26	Export																											
				East Bangor, PA	415												147		281	409											
	Mar-26	May-26	Import																											
				Lafayette, NJ / SEFA Default	66																32	65	95								
	May-26	May-26	Mob/Demob																											
	May-26	Jul-26	Dewatering																											
				Monthly trips (trip/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**146.8461538**	**280.9230769**	**408.615**	**32.26666667**	**64.5333**	**95.3333**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Site	Start Date	End Date	Task	Origin/Destination	One Way Trip Distance	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Mar-26	Export																											
				East Bangor, PA	78												22,908		43,824	63,744											
	Mar-26	May-26	Import																											
				Lafayette, NJ / SEFA Default	57																3,647	7,294	10,776								
	May-26	May-26	Mob/Demob																											
	May-26	Jul-26	Dewatering																											
				Monthly VMT (mi/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22908**	**43824**	**63744**	**3647.111078**	**7294.22**	**10775.6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Total VMT
152,193 mi

Fuel Consumption
31,750 gallon
4,381 MMBtu

Site	Start Date	End Date	Task	Origin/Destination	CO2e Emission Factor	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Mar-26	Export																											
				East Bangor, PA	2,129												48,773		93,305	135,716											
	Mar-26	May-26	Import																											
				Lafayette, NJ / SEFA Default	2,129																7,765	15,530	22,942								
	May-26	May-26	Mob/Demob																											
	May-26	Jul-26	Dewatering																											
				Monthly Emissions (kg/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**48,773**	**93,305**	**135,716**	**7,765**	**15,530**	**22,942**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
				Monthly Emissions (MT/month)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**48.8**	**93.3**	**135.7**	**7.8**	**15.5**	**22.9**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	

Total Emissions
324,031 kg
324 metric ton

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Equipment Schedule

	Start Date	End Date	Equipment	Engine type	Size (hp)	Qty	Daily use	Average Use	Load	Fuel Consumption Factor (g/hp-hr) 2026	Short-Term BSFC Factor (lb/day) 2026	Fuel Consumption Factor (gal/hp-hr) 2026	Short-Term BSFC Factor (gal/day) 2026
Export/SOE Installation													
	12/1/2025	3/1/2026	Excavator	diesel	250	2	100%	100%	59%	168.2826322	875.5592289	0.052923294	124.8989737
	12/1/2025	3/1/2026	Sump Pump	diesel	20	3	100%	100%	43%	185.0655923	84.21115137	0.058201376	12.01276399
Import													
	3/2/2026	5/1/2026	Excavator	diesel	250	1	100%	100%	59%	168.2826322	437.7796145	0.052923294	62.44948684
	3/2/2026	5/1/2026	Bulldozer	diesel	200	1	100%	100%	59%	168.2828341	350.2241118	0.052923357	49.95964942
	3/2/2026	5/1/2026	Sump Pump	diesel	20	3	100%	100%	43%	185.0655923	84.21115137	0.058201376	12.01276399

Export/SOE Installation	959.7703803		136.9117377
Import	872.2148776		124.4219003

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Equipment Emissions

Site	Start Date	End Date	Task	Annual BSFC Factor (lb/day)	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																													
	Dec-25	Mar-26	Export/SOE Installation	959.7703803												23,034	21,115	19,195												
	Mar-26	May-26	Import	872.2148776															20,061	20,061	872								
	May-26	May-26	Mob/Demob	0																									
	May-26	Jul-26	SSDS Installation	0																									

Site	Start Date	End Date	Task	Annual Fuel Consumption (gal/day)	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																													
	Dec-25	Mar-26	Export/SOE Installation	136.9117377												3,286	3,012	2,738												
	Mar-26	May-26	Import	124.4219003															2,862	2,862	124								
	May-26	May-26	Mob/Demob	0																									
	May-26	Jul-26	SSDS Installation	0																									
			Monthly Fuel Consumption (gal/month)		-	-	-	-	-	-	-	-	-	-	-	3,286	3,012	2,738	2,862	2,862	124	-	-	-	-	-	-	-	-

Total Fuel Consumption
14,884 gal
2,054 MMBtu

Annual CO2 Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Mar-26	Export/SOE Installation												33548.85	30,753.11	27957.38											
	Mar-26	May-26	Import															29217.99484	29217.99	1270.348								
	May-26	May-26	Mob/Demob																									
	May-26	Jul-26	SSDS Installation																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	33,549	30,753	27,957	29,218	29,218	1,270	-	-	-	-	-	-	-	-

Annual CH4 Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Mar-26	Export/SOE Installation												1.347211	1.23	1.122676											
	Mar-26	May-26	Import															1.173298519	1.173299	0.051013								
	May-26	May-26	Mob/Demob																									
	May-26	Jul-26	SSDS Installation																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	0	-	-	-	-	-	-	-	-

Annual N2O Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Mar-26	Export/SOE Installation												0.262871	0.24	0.219059											
	Mar-26	May-26	Import															0.228936296	0.228936	0.009954								
	May-26	May-26	Mob/Demob																									
	May-26	Jul-26	SSDS Installation																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	-	-	-	-	-	-	-	-

Annual Direct CO2e Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	2026 Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																												
	Dec-25	Mar-26	Export/SOE Installation												33731.42	30,920.46	28109.51											
	Mar-26	May-26	Import															29376.99109	29376.99	1277.26								
	May-26	May-26	Mob/Demob																									
	May-26	Jul-26	SSDS Installation																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	33,731	30,920	28,110	29,377	29,377	1,277	-	-	-	-	-	-	-	-
			Monthly Emissions (MT/month)	-	-	-	-	-	-	-	-	-	-	-	33.73	30.92	28.11	29.38	29.38	1.28	-	-	-	-	-	-	-	-

Total Emissions
152,793 kg
153 metric ton

Annual Upstream CO2e Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	2026 Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																												
	Dec-25	Mar-26	Export/SOE Installation												10979.88	10,064.89	9149.899											
	Mar-26	May-26	Import															9562.474508	9562.475	415.7598								
	May-26	May-26	Mob/Demob																									
	May-26	Jul-26	SSDS Installation																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	10,980	10,065	9,150	9,562	9,562	416	-	-	-	-	-	-	-	-
			Monthly Emissions (MT/month)	-	-	-	-	-	-	-	-	-	-	-	10.98	10.06	9.15	9.56	9.56	0.42	-	-	-	-	-	-	-	-

Total Emissions
49,735 kg
50 metric ton

Emissions Summary (metric ton)

	Monthly																											Annual Total
Equipment-Direct	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**34**	**31**	**28**	**29**	**29**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**153**
Equipment-Indirect	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**10**	**9**	**10**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**50**
Trucks	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**49**	**93**	**136**	**8**	**16**	**23**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**324**
Cars	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**1**	**1**	**1**	**1**	**1**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**8**
Materials																									**9**
Waste																									**141**
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**95**	**135**	**174**	**48**	**55**	**26**	**2**	**1**	**0**	**0**	**0**	**0**	**0**	**685**

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Imported Material Emissions

							Lookup ID 3	4	5	6	7	8	
Material	**SEFA Lookup**	**Quantity**	**Unit**	**Conversion**	**Quantity**	**Unit**	**Energy Usage (MMBtu)**	**GHG (lb CO2e)**	**NOx (lb)**	**SOx (lb)**	**PM (lb)**	**HAPs (lb)**	
Backfill	Sand	1,000	CY	3000	3,000,000	lb	74	7,200	54	14	8	1	
Aggregate	Round Gravel	300	CY	3000	900,000	lb	22	2,160	16	4	2	0	
Piping	Steel	0	ton	2000	600	lb	3	660	1	1	0	0	
Filter Fabric	Other refined construction materials	0	ton	2000	281	lb	5	595	1	1	0	0	
Vapor Barrier	Other refined construction materials	2	ton	2000	4,648	lb	88	9,831	19	24	7	1	
						Total	192	20,445	91	44	18	2	lb
								10.223	0.045	0.022	0.009	0.001	ton
								9,274					kg
								9					MT

SEFA Tool Material Table

		Lookup ID 3	4	5	6	7	8	
Construction Materials	**Unit**	**Energy Usage (MMBtu/unit)**	**GHG (lb CO2e/unit)**	**NOx (lb/unit)**	**SOx (lb/unit)**	**PM (lb/unit)**	**HAPs (lb/unit)**	
Aluminum, Rolled Sheet	lb	0.0633	9.15	0.0148	0.0283	0.0088	0.00102	
Asphalt, mastic	lb	0.0412	0.85	0.00271	0.00798	0.000766	0.00107	
Asphalt, paving-grade	lb	0.5	8.58	0.0299	0.0969	0.0091	0.0133	
Ethanol, Corn, 95%	lb	0.0318	-0.0199	0.00425	0.00303	0.000469	0.0000846	
Ethanol, Corn, 99.7%	lb	0.0324	0.0591	0.00431	0.0031	0.000472	0.000087	
Ethanol, Petroleum, 99.7%	lb	0.0205	1.25	0.00199	0.00214	0.000277	0.0000589	
Gravel/Sand Mix, 65% Gravel	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Gravel/sand/clay	lb	0.000028	0.00335	0.0000165	0.000015	0.000002	2.05E-10	
HDPE	lb	0.0332	1.94	0.00325	0.00409	0.000439	0.0000641	
Photovoltaic system (installed)	W	0.0336	4.47	0.015	0.032	0.00063	0.0000029	
PVC	lb	0.0262	2.02	0.004	0.00274	0.000372	0.000375	
Portland cement, US average	lb	0.0139	1.34	0.00654	0.0104	0.00378	0.00097	
Ready-mixed concrete, 20 MPa	ft3	0.217	19.5	0.0975	0.154	0.057	0.0141	
Round Gravel	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Sand	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Stainless Steel	lb	0.0116	3.4	0.0075	0.012	0.0044	0.000144	
Steel	lb	0.0044	1.1	0.0014	0.0017	0.00056	0.000067	
Other refined construction materials	lb	0.01885	2.115	0.0040375	0.0051325	0.00144275	0.000162525	
Other unrefined construction materials	lb	0.000028	0.00335	0.0000165	0.000015	0.000002	2.05E-10	
Cheese Whey	lbs	0.0025	0.031	0.000062	0.000033	0.000002	NP	
Emulsified vegetable oil	lbs	0.0077	3.44	0.0066	0.0019	0.000033	NP	
Granular activated carbon, primary	lbs	0.0356	4.82	0.0793	0.128	0.000987	0.000657	
Granular activated carbon, regenerated	lbs	0.00873	1.7	0.00733	0.0129	0.000886	0.000671	
Hydrogen Peroxide, 50% in H2O	lbs	0.00979	1.19	0.00142	0.0024	0.000308	0.0000629	
Iron (II) Sulfate	lbs	0.00147	0.167	0.000316	0.000589	0.000103	0.000023	
Lime, Hydrated, Packed	lbs	0.00206	0.762	0.000513	0.000358	0.00013	0.00000657	
Molasses	lbs	0.0044	0.48	0.0011	0.00024	0.0000041	NP	
Phosphoric Acid, 70% in H2O	lbs	0.0067	0.882	0.00282	0.0294	0.00171	0.000163	
Potassium Permanganate	lbs	0.00981	1.16	0.00234	0.0032	0.000422	0.000122	
Sodium Hydroxide, 50% in H2O	lbs	0.00977	1.09	0.00194	0.00352	0.000403	0.000129	
Other Treatment Chemicals & Materials	lbs	0.015	1.67	0.003	0.0065	0.00061	0.000016	

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Waste Emissions

							Lookup ID 3	4	5	6	7	8	
Material	**SEFA Lookup**	**Quantity**	**Unit**	**Conversion**	**Quantity**	**Unit**	**Energy Usage (MMBtu)**	**GHG (lb CO2e)**	**NOx (lb)**	**SOx (lb)**	**PM (lb)**	**HAPs (lb)**	
Non-hazardous Soil Disposal	Off-site non-hazardous waste landfill	12,450	ton	1	12,450	ton	1,992	311,250	1,743	934	4,980	17	
						Total	1,992	311,250	1,743	934	4,980	17	lb
								155.625	0.872	0.467	2.490	0.009	ton
								141,181					kg
								141					MT

SEFA Tool Waste Table

		Lookup ID 3	4	5	6	7	8
Waste Treatment	**Unit**	**Energy Usage (MMBtu/unit)**	**GHG (lb CO2e/unit)**	**NOx (lb/unit)**	**SOx (lb/unit)**	**PM (lb/unit)**	**HAPs (lb/unit)**
Hazardous waste incineration	lb	0.00609	2.43	0.0016	0.00167	0.000209	0.000087
Off-site waste water treatment (POTW)	gal x 1000	0.015	4.4	0.016	0.015		
Off-site non-hazardous waste landfill	ton	0.16	25	0.14	0.075	0.4	0.0014
Off-site hazardous waste landfill	ton	0.18	27.5	0.154	0.0825	0.44	0.00154
Off-site Laboratory Analysis - Other	sample	0.058071029	6.85343842	0.131401957	0.303875767	0.045569824	0.033016529
Off-site Laboratory Analysis - Metals	sample	0.212	27.4693	0.6423	1.5072	0.2264	0.1643
Off-site Laboratory Analysis - Mercury	sample	0.073171472	9.325458	0.2127439	0.4982396	0.07473594	0.05423316
Off-site Laboratory Analysis - Inorganic Anions	sample	0.007402451	0.6459478	0.006768122	0.014792866	0.002202395	0.001554243
Off-site Laboratory Analysis - Alkalinity	sample	0.017439833	1.3381922	0.007010628	0.013249646	0.001940048	0.001283077
Off-site Laboratory Analysis - Perchlorate	sample	0.023884988	1.8717054	0.007980652	0.014153532	0.002054687	0.001287486
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0.033647504	4.29897	0.09545918	0.2226646	0.03350992	0.0242506
Off-site Laboratory Analysis - Sulfate	sample	0.014122473	1.4726728	0.007980652	0.013602382	0.001979731	0.001201507
Off-site Laboratory Analysis - PCBs	sample	0.0512769	5.224902	0.08333388	0.19047744	0.02843934	0.021208252
Off-site Laboratory Analysis - VOCs	sample	0.076204487	9.016814	0.10449804	0.2270738	0.03395084	0.02358922
Off-site Laboratory Analysis - SVOCs	sample	0.071560184	7.870422	0.14594452	0.3373038	0.05048534	0.03725774

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Grid Electricity Emissions

					2026												2027												
Site	**Start Date**	**End Date**	**Eletrical Equipment**	**Daily Energy Demand (kWh/day)**	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																													
	12/1/2025	7/11/2026	Mobile Office (2)	100	2,200	2,000	2,300	2,300	2,200		800																		
					2,200	**2,000**	**2,300**	**2,300**	**2,200**	-	**800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Demand
11,800 kWh
40 MMBtu

					2026												2027												
Site	**Start Date**	**End Date**	**Eletrical Equipment**	**Grid Baseload Emissions (g/kWh)**	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																													
	12/1/2025	7/11/2026	Mobile Office (2)	276.1942085	607,627	552,388	635,247	635,247	607,627		220,955																		
					607,627	**552,388**	**635,247**	**635,247**	**607,627**	-	**220,955**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					608	552	635	635	608	-	221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					0.6	0.6	0.6	0.6	0.6	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Emissions
3,259,092 g
3,259 kg
3 MT

521 East Tremont Avenue - Track 2 / 4
Environmental Footprint Analysis
Emission Factors

BSFC Emission Factors (g/hp-hr)

ID	Equipment	Engine	SCC Code	HPmin	HPmax	HP	Equipment	Load	2025	2026
	Dsl - Excavators	Diesel	2270002036	175	300	173-250	Excavator	59%	168.3	168.3
	Dsl - Crawler Tractor/Dozers	Diesel	2270002069	101	175	104	Bulldozer	59%	168.3	168.3
	Dsl - Pumps	Diesel	2270006010	17	25	24	Sump Pump	43%	185.1	185.1

*for excavator in 2006 Hpmax 300 used

Fuel Properties

Densities		kg/L	g/gal	lb/gal
	Diesel	0.84	3,179.75	7.01
	Gasoline	0.74	2,801.21	6.18
	LPG	0.54	2,044.12	4.51

BSFC Emission Factors (gal/hp-hr)

ID	Equipment	Engine	SCC Code	HPmin	HPmax	HP	Equipment	Load	2025	2026
	Dsl - Excavators	Diesel	2270002036	175	300	173-250	Excavator	59%	0.0529	0.0529
	Dsl - Crawler Tractor/Dozers	Diesel	2270002069	101	175	104	Bulldozer	59%	0.0529	0.0529
	Dsl - Pumps	Diesel	2270006010	17	25	24	Sump Pump	43%	0.0582	0.0582

EPA Fuel Emission Factors

Diesel

GWP-100	GWP-20	kg/gal	GHG	GWP-20 Equivalent Emissions		GWP-100 Equivalent Emissions		SEFA Default	
1	1	10.21	CO2	10.27	kg CO2e/gal	10.24268	kg CO2e/gal	10.20582833	kg CO2e/gal
28	84	0.00041	CH4	22.63168431	lb CO2e/gal	22.58124254	lb CO2e/gal	22.5	lb CO2e/gal
265	264	0.00008	N2O						

ghg-emission-factors-hub-2025.pdf

GWP-20 Equivalent Emissions with Upstream	
13.607092	kg CO2e/gal
29.99850086	lb CO2e/gal

Gasoline

GWP-100	GWP-20	kg/gal	GHG	GWP-20 Equivalent Emissions		GWP-100 Equivalent Emissions		SEFA Default	
1	1	8.78	CO2	8.83	kg CO2e/gal	8.81184	kg CO2e/gal	8.890410452	kg CO2e/gal
28	84	0.00038	CH4	19.47351852	lb CO2e/gal	19.42678052	lb CO2e/gal	19.6	lb CO2e/gal
265	264	0.00008	N2O						

ghg-emission-factors-hub-2025.pdf

MOVES TRUCKS FACTORS	PM2.5	PM10	CO	NOx	VOC	CO2e	SO2	
2024 - Truck Idling (g/hr)	6.71	7.30	25.14	96.40	11.5036	7746.96	0.0486427	
2024 - Truck Cruising - 5mph (g/veh)	0.24	0.26	1.49	4.36	0.327756	438.16	0.00275184	
2024 - Truck Cruising - 25mph (g/mi)	1.13	1.23	5.24	19.66	0.803909	2129.08	0.0133769	
2024 - Auto Cruising - 25mph (g/mi)	0.01	0.01	2.17	0.24	0.0458798	305.848	0.00525061	

Truck Mileage

10205.8283	g/gal
2129.08	g/mi
4.79353915	mpg
0.20861413	gal per mi
0.02878875	MMBtu/mi

Car Mileage

8890.41	g/gal
305.848	g/mi
29.06807	mpg
0.034402	gal per mi
0.0043	MMBtu/mi

Distance Traveled On-site: approximately 0.1 mile per truck

0.1 mile per truck

HHV

Diesel	0.138	mmBtu per gallon
Gasoline	0.125	mmBtu per gallon

NYSDEC Upstream Emission Factor

Table A1. 2021 Emission Rates for Upstream Out-of-State Sources (g/mmbtu)

	Diesel Fuel	
CH4	117.000	g/MMBtu
N2O	0.250	g/MMBtu
CO2	13,634	g/MMBtu
CO2e	24,214	g/MMBtu

	Diesel Fuel	
CH4	16.146	g/gal
N2O	0.035	g/gal
CO2	1,881	g/gal
CO2e	3,342	g/gal

NYSDEC, *Appendix A of the 2024 Statewide GHG Emission Report. December 2024*

eGRID Baseload Electricity Factor

Data Year	eGRID subregion acronym	eGRID subregion name	Unit	eGRID subregion annual CO2 total output emission rate	eGRID subregion annual CH4 total output emission rate	eGRID subregion annual N2O total output emission rate	eGRID subregion annual CO2 equivalent total output emission rate (GWP-100)	eGRID subregion annual CO2 equivalent total output emission rate (GWP-20)
2022	NYCW	NPCC NYC/Westchester	lb/MWh	602.088	0.056	0.008	605.872	608.904
			g/kWh	273.103	0.025	0.004	274.819	**276.194**

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Construction Emissions Summary

Table B
Summary of GHG Emissions--Track 1
(metric tons CO2e)

Core Element	Energy Consumption (MMBtu)	Direct Emissions	Indirect Emissions	*Total*
On-Site Fuel Usage	3,352	*249*	*81*	*331*
Off-Site Fuel Usage	20,008	*0*	*1,480*	*1,480*
Material	707	*0*	*31*	*31*
Waste	4,800	*0*	*340*	*340*
Total	**28,867**	**249**	**1,932**	***2,181***

Note: Totals may not sum due to rounding. See detailed calculations in Attachment A.

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Construction Task Schedule

Representative Start Date 12/1/2025

Site	Task	Duration		
		Days	Start	End
521 East Tremont Ave	Export/SOE Installation	100	12/1/2025	4/17/2026
	Import	80	4/18/2026	8/8/2026
	Mob/Demob	20	8/9/2026	9/5/2026
	Dewatering	40	9/6/2026	11/1/2026
	Total	240	12/1/2025	11/1/2026

521 East Tremont Ave

Excavated Soil		
Non-Hazardous	30,000	ton
Lead	-	ton
TCE	-	ton
TOTAL	30,000	ton
Backfill Import	9,500	CY
	14,250	ton
Disposed GW	18144000	gal
	76477	ton

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Truck Schedule

Import/Export Material Type	Material Origin/Destination	Tonnage	Total Trucks	Travel Distance (mi)
SOIL DISPOSAL				
	TOTAL	30,000	1,000	
	Capital Quarry - East Bangor, PA	30,000	1,000	78.0
	Recycling (SEFA Default)	0	0	50.0
	Non-BCP Landfill (SEFA Default)	0	0	25.0
BACKFILL IMPORT				
	TOTAL	14,250	475	
	Braen Stone - Lafayette, NJ	14,250	475	57.0

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Worker Projections

Site	Start Date	End Date	Task	Workers Per Day	Modal Split	Auto Occupancy	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																															
	Dec-25	Apr-26	Export/SOE Installation	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	6	132	121	110	127	72	0	0	0	0	0	0	0	0	0
	Apr-26	Aug-26	Import	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	121	127	127	28	0	0	0	0	0
	Aug-26	Sep-26	Mob/Demob	15	43%	1.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	22	0	0	0
	Sep-26	Nov-26	Dewatering	15	143%	2.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	217	0	0	0
			Monthly trips (trip/month)				**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**132**	**121**	**110**	**127**	**127**	**121**	**127**	**127**	**121**	**210**	**217**	**0**	**0**	

Site	Start Date	End Date	Task	One Way Trip Distance (mi)		2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Apr-26	Export/SOE Installation	12.64		0	0	0	0	0	0	0	0	0	0	139	3345	3066	2787	3205	1812	0	0	0	0	0	0	0	0	0
	Apr-26	Aug-26	Import	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1394	3066	3205	3205	697	0	0	0	0	0
	Aug-26	Sep-26	Mob/Demob	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2369	557	0	0	0	0
	Sep-26	Nov-26	Dewatering	12.64		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4748	5498	0	0	0
			Monthly VMT (mi/month)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**139**	**3345**	**3066**	**2787**	**3205**	**3205**	**3066**	**3205**	**3205**	**3066**	**5305**	**5498**	**0**	**0**	

Total VMT **39.094** mi

Fuel Consumption
1.345 gallons
168 MMBtu

Site	Start Date	End Date	Task	CO2e Emission Factor		2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Apr-26	Export/SOE Installation	306		0	0	0	0	0	0	0	0	0	0	43	1023	938	852	980	554	0	0	0	0	0	0	0	0	0
	Apr-26	Aug-26	Import	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	426	938	980	980	213	0	0	0	0	0
	Aug-26	Sep-26	Mob/Demob	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	725	170	0	0	0
	Sep-26	Nov-26	Dewatering	306		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1452	1681	0	0	0
			Monthly Emissions (kg/month)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**43**	**1.023**	**938**	**852**	**980**	**980**	**938**	**980**	**980**	**938**	**1.623**	**1.681**	**0**	**0**	
			Monthly Emissions (MT/month)			**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**1.0**	**0.9**	**0.9**	**1.0**	**1.0**	**0.9**	**1.0**	**1.0**	**0.9**	**1.6**	**1.7**	**0.0**	**0.0**	

Total Emissions
11.957 kg
12 metric ton

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Truck Emissions

Site	Start Date	End Date	Task	Origin/Destination	Total Trucks	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Apr-26	Export	East Bangor, PA	1,000												230	440	640	870	1,090									
	Apr-26	Aug-26	Import	Lafayette, NJ	475																53	178	309	439	570					
	Aug-26	Sep-26	Mob/Demob																											
	Sep-26	Nov-26	Dewatering																											
				Monthly trips (trip/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**230**	**440**	**640**	**870**	**1143.44**	**178.125**	**308.75**	**439.375**	**570**	**0**	**0**	**0**	**0**	

Site	Start Date	End Date	Task	Origin/Destination	One Way Trip Distance	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Apr-26	Export	East Bangor, PA	78												35,880	68,640	99,840	135,720	170,040									
	Apr-26	Aug-26	Import	Lafayette, NJ	57																6,092	20,306	35,198	50,089	64,980					
	Aug-26	Sep-26	Mob/Demob																											
	Sep-26	Nov-26	Dewatering																											
				Monthly VMT (mi/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**35880**	**68640**	**99840**	**135720**	**176132**	**20306.3**	**35197.5**	**50088.8**	**64980**	**0**	**0**	**0**	**0**	

Total VMT **686,784** mi

Fuel Consumption
143,273 gallon
19,772 MMBtu

Site	Start Date	End Date	Task	Origin/Destination	CO2e Emission Factor	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 East Tremont Ave																														
	Dec-25	Apr-26	Export	East Bangor, PA	2,129												76,391	146,140	212,567	288,959	362,029									
	Apr-26	Aug-26	Import	Lafayette, NJ	2,129																12,970	43,234	74,938	106,643	138,348					
	Aug-26	Sep-26	Mob/Demob																											
	Sep-26	Nov-26	Dewatering																											
				Monthly Emissions (kg/month)		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**76,391**	**146,140**	**212,567**	**288,959**	**374,999**	**43,234**	**74,938**	**106,643**	**138,348**	**0**	**0**	**0**	**0**	
				Monthly Emissions (MT/month)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**76.4**	**146.1**	**212.6**	**289.0**	**375.0**	**43.2**	**74.9**	**106.6**	**138.3**	**0.0**	**0.0**	**0.0**	**0.0**	

Total Emissions
1,462,219 kg
1,462 metric ton

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Equipment Schedule

	Start Date	End Date	Equipment	Engine type	Size (hp)	Qty	Daily use	Average Use	Load	Fuel Consumption Factor (g/hp-hr) 2026	Short-Term BSFC Factor (lb/day) 2026	Fuel Consumption Factor (gal/hp-hr) 2026	Short-Term BSFC Factor (gal/day) 2026
Export/SOE Installation													
	12/1/2025	4/17/2026	Excavator	diesel	250	2	100%	100%	59%	168.2826322	875.5592289	0.052923294	124.8989737
	12/1/2025	4/17/2026	Sump Pump	diesel	20	3	100%	100%	43%	185.0655923	84.21115137	0.058201376	12.01276399
Import													
	4/18/2026	8/8/2026	Excavator	diesel	250	1	100%	100%	59%	168.2826322	437.7796145	0.052923294	62.44948684
	4/18/2026	8/8/2026	Bulldozer	diesel	200	1	100%	100%	59%	168.2828341	350.2241118	0.052923357	49.95964942
	4/18/2026	8/8/2026	Sump Pump	diesel	20	3	100%	100%	43%	185.0655923	84.21115137	0.058201376	12.01276399

Export/SOE Installation	959.7703803		136.9117377
Import	872.2148776		124.4219003

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Equipment Emissions

Site	Start Date	End Date	Task	Annual BSFC Factor (lb/day)	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																													
	Dec-25	Apr-26	Export/SOE Installation	959.7703803												23,034	21,115	19,195	22,075	12,477									
	Apr-26	Aug-26	Import	872.2148776																8,722	19,189	20,061	20,061	4,361					
	Aug-26	Sep-26	Mob/Demob	0																									
	Sep-26	Nov-26	Dewatering	0																									

Site	Start Date	End Date	Task	Annual Fuel Consumption (gal/day)	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																													
	Dec-25	Apr-26	Export/SOE Installation	136.9117377												3,286	3,012	2,738	3,149	1,780									
	Apr-26	Aug-26	Import	124.4219003																1,244	2,737	2,862	2,862	622					
	Aug-26	Sep-26	Mob/Demob	0																									
	Sep-26	Nov-26	Dewatering	0																									
			Monthly Fuel Consumption (gal/month)		-	-	-	-	-	-	-	-	-	-	-	3,286	3,012	2,738	3,149	3,024	2,737	2,862	2,862	622	-	-	-	-	

Total Fuel Consumption
24,292 gal
3,352 MMBtu

Annual CO2 Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Apr-26	Export/SOE Installation												33548.85	30,753.11	27957.38	32150.98336	18172.29									
	Apr-26	Aug-26	Import																12703.48	27947.65	29217.99	29217.99	6351.738					
	Aug-26	Sep-26	Mob/Demob																									
	Sep-26	Nov-26	Dewatering																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	33,549	30,753	27,957	32,151	30,876	27,948	29,218	29,218	6,352	-	-	-	-	

Annual CH4 Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Apr-26	Export/SOE Installation												1.347211	1.23	1.122676	1.291077686	0.72974									
	Apr-26	Aug-26	Import																0.51013	1.122286	1.173299	1.173299	0.255065					
	Aug-26	Sep-26	Mob/Demob																									
	Sep-26	Nov-26	Dewatering																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	0	-	-	-	-	

Annual N2O Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	2026 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27
521 E Tremont Ave																												
	Dec-25	Apr-26	Export/SOE Installation												0.262871	0.24	0.219059	0.251917597	0.142388									
	Apr-26	Aug-26	Import																0.099538	0.218983	0.228936	0.228936	0.049769					
	Aug-26	Sep-26	Mob/Demob																									
	Sep-26	Nov-26	Dewatering																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	-	-	-	-	

Annual Direct CO2e Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	2026 Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																												
	Dec-25	Apr-26	Export/SOE Installation												33731.42	30,920.46	28109.51	32325.94013	18271.18									
	Apr-26	Aug-26	Import																12772.6	28099.73	29376.99	29376.99	6386.302					
	Aug-26	Sep-26	Mob/Demob																									
	Sep-26	Nov-26	Dewatering																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	33,731	30,920	28,110	32,326	31,044	28,100	29,377	29,377	6,386	-	-	-	-	
			Monthly Emissions (MT/month)	-	-	-	-	-	-	-	-	-	-	-	33.73	30.92	28.11	32.33	31.04	28.10	29.38	29.38	6.39	-	-	-	-	

Total Emissions
249,371 kg
249 metric ton

Annual Upstream CO2e Emissions (kg/month)

Site	Start Date	End Date	Task	2025 Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	2026 Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																												
	Dec-25	Apr-26	Export/SOE Installation												10979.88	10,064.89	9149.899	10522.38391	5947.434									
	Apr-26	Aug-26	Import																4157.598	9146.715	9562.475	9562.475	2078.799					
	Aug-26	Sep-26	Mob/Demob																									
	Sep-26	Nov-26	Dewatering																									
			Monthly Emissions (kg/month)	-	-	-	-	-	-	-	-	-	-	-	10,980	10,065	9,150	10,522	10,105	9,147	9,562	9,562	2,079	-	-	-	-	
			Monthly Emissions (MT/month)	-	-	-	-	-	-	-	-	-	-	-	10.98	10.06	9.15	10.52	10.11	9.15	9.56	9.56	2.08	-	-	-	-	

Total Emissions
81,173 kg
81 metric ton

Emissions Summary (metric ton)

	Monthly Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Annual Total
Equipment-Direct	0	0	0	0	0	0	0	0	0	0	0	34	31	28	32	31	28	29	29	6	0	0	0	0	0	249
Equipment-Indirect	0	0	0	0	0	0	0	0	0	0	0	11	10	9	11	10	9	10	10	2	0	0	0	0	0	81
Trucks	0	0	0	0	0	0	0	0	0	0	0	76	146	213	289	375	43	75	107	138	0	0	0	0	0	1462
Cars	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	0	0	0	12
Materials																										31
Waste																										340
Total	0	0	0	0	0	0	0	0	0	0	0	122	188	251	333	417	81	115	147	148	2	2	0	0	0	2176

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Imported Material Emissions

							Lookup ID 3	4	5	6	7	8	
Material	**SEFA Lookup**	**Quantity**	**Unit**	**Conversion**	**Quantity**	**Unit**	**Energy Usage (MMBtu)**	**GHG (lb CO2e)**	**NOx (lb)**	**SOx (lb)**	**PM (lb)**	**HAPs (lb)**	
Backfill	Sand	9,500	CY	3000	28,500,000	lb	707	68,400	513	129	74	9	
						Total	707	68,400	513	129	74	9	lb
								34.200	0.257	0.064	0.037	0.004	ton
								31,026					kg
								31					MT

SEFA Tool Material Table

		Lookup ID 3	4	5	6	7	8	
Construction Materials	**Unit**	**Energy Usage (MMBtu/unit)**	**GHG (lb CO2e/unit)**	**NOx (lb/unit)**	**SOx (lb/unit)**	**PM (lb/unit)**	**HAPs (lb/unit)**	
Aluminum, Rolled Sheet	lb	0.0633	9.15	0.0148	0.0283	0.0088	0.00102	
Asphalt, mastic	lb	0.0412	0.85	0.00271	0.00798	0.000766	0.00107	
Asphalt, paving-grade	lb	0.5	8.58	0.0299	0.0969	0.0091	0.0133	
Ethanol, Corn, 95%	lb	0.0318	-0.0199	0.00425	0.00303	0.000469	0.0000846	
Ethanol, Corn, 99.7%	lb	0.0324	0.0591	0.00431	0.0031	0.000472	0.000087	
Ethanol, Petroleum, 99.7%	lb	0.0205	1.25	0.00199	0.00214	0.000277	0.0000589	
Gravel/Sand Mix, 65% Gravel	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Gravel/sand/clay	lb	0.000028	0.00335	0.0000165	0.000015	0.000002	2.05E-10	
HDPE	lb	0.0332	1.94	0.00325	0.00409	0.000439	0.0000641	
Photovoltaic system (installed)	W	0.0336	4.47	0.015	0.032	0.00063	0.0000029	
PVC	lb	0.0262	2.02	0.004	0.00274	0.000372	0.000375	
Portland cement, US average	lb	0.0139	1.34	0.00654	0.0104	0.00378	0.00097	
Ready-mixed concrete, 20 MPa	ft3	0.217	19.5	0.0975	0.154	0.057	0.0141	
Round Gravel	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Sand	lb	0.0000248	0.0024	0.000018	0.00000452	0.00000261	0.000000308	
Stainless Steel	lb	0.0116	3.4	0.0075	0.012	0.0044	0.000144	
Steel	lb	0.0044	1.1	0.0014	0.0017	0.00056	0.000067	
Other refined construction materials	lb	0.01885	2.115	0.0040375	0.0051325	0.00144275	0.000162525	
Other unrefined construction materials	lb	0.000028	0.00335	0.0000165	0.000015	0.000002	2.05E-10	
Cheese Whey	lbs	0.0025	0.031	0.000062	0.000033	0.000002	NP	
Emulsified vegetable oil	lbs	0.0077	3.44	0.0066	0.0019	0.000033	NP	
Granular activated carbon, primary	lbs	0.0356	4.82	0.0793	0.128	0.000987	0.000657	
Granular activated carbon, regenerated	lbs	0.00873	1.7	0.00733	0.0129	0.000886	0.000671	
Hydrogen Peroxide, 50% in H2O	lbs	0.00979	1.19	0.00142	0.0024	0.000308	0.0000629	
Iron (II) Sulfate	lbs	0.00147	0.167	0.000316	0.000589	0.000103	0.000023	
Lime, Hydrated, Packed	lbs	0.00206	0.762	0.000513	0.000358	0.00013	0.00000657	
Molasses	lbs	0.0044	0.48	0.0011	0.00024	0.0000041	NP	
Phosphoric Acid, 70% in H2O	lbs	0.0067	0.882	0.00282	0.0294	0.00171	0.000163	
Potassium Permanganate	lbs	0.00981	1.16	0.00234	0.0032	0.000422	0.000122	
Sodium Hydroxide, 50% in H2O	lbs	0.00977	1.09	0.00194	0.00352	0.000403	0.000129	
Other Treatment Chemicals & Materials	lbs	0.015	1.67	0.003	0.0065	0.00061	0.000016	

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Waste Emissions

							Lookup ID 3	4	5	6	7	8	
Material	**SEFA Lookup**	**Quantity**	**Unit**	**Conversion**	**Quantity**	**Unit**	**Energy Usage (MMBtu)**	**GHG (lb CO2e)**	**NOx (lb)**	**SOx (lb)**	**PM (lb)**	**HAPs (lb)**	
Non-hazardous Soil Disposal	Off-site non-hazardous waste landfill	30,000	ton	1	30,000	ton	4,800	750,000	4,200	2,250	12,000	42	
						Total	4,800	750,000	4,200	2,250	12,000	42	lb
								375.000	2.100	1.125	6.000	0.021	ton
								340,194					kg
								340					MT

SEFA Tool Waste Table

		Lookup ID 3	4	5	6	7	8
Waste Treatment	**Unit**	**Energy Usage (MMBtu/unit)**	**GHG (lb CO2e/unit)**	**NOx (lb/unit)**	**SOx (lb/unit)**	**PM (lb/unit)**	**HAPs (lb/unit)**
Hazardous waste incineration	lb	0.00609	2.43	0.0016	0.00167	0.000209	0.000087
Off-site waste water treatment (POTW)	gal x 1000	0.015	4.4	0.016	0.015		
Off-site non-hazardous waste landfill	ton	0.16	25	0.14	0.075	0.4	0.0014
Off-site hazardous waste landfill	ton	0.18	27.5	0.154	0.0825	0.44	0.00154
Off-site Laboratory Analysis - Other	sample	0.058071029	6.85343842	0.131401957	0.303875767	0.045569824	0.033016529
Off-site Laboratory Analysis - Metals	sample	0.212	27.4693	0.6423	1.5072	0.2264	0.1643
Off-site Laboratory Analysis - Mercury	sample	0.073171472	9.325458	0.2127439	0.4982396	0.07473594	0.05423316
Off-site Laboratory Analysis - Inorganic Anions	sample	0.007402451	0.6459478	0.006768122	0.014792866	0.002202395	0.001554243
Off-site Laboratory Analysis - Alkalinity	sample	0.017439833	1.3381922	0.007010628	0.013249646	0.001940048	0.001283077
Off-site Laboratory Analysis - Perchlorate	sample	0.023884988	1.8717054	0.007980652	0.014153532	0.002054687	0.001287486
Off-site Laboratory Analysis - Nitrogen/Nitrate	sample	0.033647504	4.29897	0.09545918	0.2226646	0.03350992	0.0242506
Off-site Laboratory Analysis - Sulfate	sample	0.014122473	1.4726728	0.007980652	0.013602382	0.001979731	0.001201507
Off-site Laboratory Analysis - PCBs	sample	0.0512769	5.224902	0.08333388	0.19047744	0.02843934	0.021208252
Off-site Laboratory Analysis - VOCs	sample	0.076204487	9.016814	0.10449804	0.2270738	0.03395084	0.02358922
Off-site Laboratory Analysis - SVOCs	sample	0.071560184	7.870422	0.14594452	0.3373038	0.05048534	0.03725774

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Grid Electricity Emissions

					2026												2027												
Site	**Start Date**	**End Date**	**Eletrical Equipment**	**Daily Energy Demand (kWh/day)**	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																													
	12/1/2025	11/1/2026	Mobile Office (2)	100	2,200	2,000	2,300	2,300	2,200		2,300	2,200	2,300	2,200															
					2,200	**2,000**	**2,300**	**2,300**	**2,200**	-	**2,300**	**2,200**	**2,300**	**2,200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Demand
20,000 kWh
68 MMBtu

					2026												2027												
Site	**Start Date**	**End Date**	**Eletrical Equipment**	**Grid Baseload Emissions (g/kWh)**	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27	Jan-28
521 E Tremont Ave																													
	12/1/2025	11/1/2026	Mobile Office (2)	276.1942085	607,627	552,388	635,247	635,247	607,627		635,247	607,627	635,247	607,627															
					607,627	**552,388**	**635,247**	**635,247**	**607,627**	-	**635,247**	**607,627**	**635,247**	**607,627**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					608	552	635	635	608	-	635	608	635	608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					0.6	0.6	0.6	0.6	0.6	-	0.6	0.6	0.6	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Total Emissions
5,523,884 g
5,524 kg
6 MT

521 East Tremont Avenue - Track 1
Environmental Footprint Analysis
Emission Factors

BSFC Emission Factors (g/hp-hr)

ID	Equipment	Engine	SCC Code	HPmin	HPmax	HP	Equipment	Load	2025	2026
	Dsl - Excavators	Diesel	2270002036	175	300	173-250	Excavator	59%	168.3	168.3
	Dsl - Crawler Tractor/Dozers	Diesel	2270002069	101	175	104	Bulldozer	59%	168.3	168.3
	Dsl - Pumps	Diesel	2270006010	17	25	24	Sump Pump	43%	185.1	185.1

*for excavator in 2006 Hpmax 300 used

Fuel Properties

Densities		kg/L	g/gal	lb/gal
	Diesel	0.84	3,179.75	7.01
	Gasoline	0.74	2,801.21	6.18
	LPG	0.54	2,044.12	4.51

BSFC Emission Factors (gal/hp-hr)

ID	Equipment	Engine	SCC Code	HPmin	HPmax	HP	Equipment	Load	2025	2026
	Dsl - Excavators	Diesel	2270002036	175	300	173-250	Excavator	59%	0.0529	0.0529
	Dsl - Crawler Tractor/Dozers	Diesel	2270002069	101	175	104	Bulldozer	59%	0.0529	0.0529
	Dsl - Pumps	Diesel	2270006010	17	25	24	Sump Pump	43%	0.0582	0.0582

EPA Fuel Emission Factors

Diesel

GWP-100	GWP-20	kg/gal	GHG	GWP-20 Equivalent Emissions		GWP-100 Equivalent Emissions		SEFA Default	
1	1	10.21	CO2	10.27	kg CO2e/gal	10.24268	kg CO2e/gal	10.20582833	kg CO2e/gal
28	84	0.00041	CH4	22.63168431	lb CO2e/gal	22.58124254	lb CO2e/gal	22.5	lb CO2e/gal
265	264	0.00008	N2O						

https://www.epa.gov/system/files/documents/2025-01/ghg-emission-factors-hub-2025.pdf

GWP-20 Equivalent Emissions with Upstream	
13.607092	kg CO2e/gal
29.99850086	lb CO2e/gal

Gasoline

GWP-100	GWP-20	kg/gal	GHG	GWP-20 Equivalent Emissions		GWP-100 Equivalent Emissions		SEFA Default	
1	1	8.78	CO2	8.83	kg CO2e/gal	8.81184	kg CO2e/gal	8.890410452	kg CO2e/gal
28	84	0.00038	CH4	19.47351852	lb CO2e/gal	19.42678052	lb CO2e/gal	19.6	lb CO2e/gal
265	264	0.00008	N2O						

https://www.epa.gov/system/files/documents/2025-01/ghg-emission-factors-hub-2025.pdf

MOVES TRUCKS FACTORS	PM2.5	PM10	CO	NOx	VOC	CO2e	SO2
2024 - Truck Idling (g/hr)	6.71	7.30	25.14	96.40	11.5036	7746.96	0.0486427
2024 - Truck Cruising - 5mph (g/veh)	0.24	0.26	1.49	4.36	0.327756	438.16	0.00275184
2024 - Truck Cruising - 25mph (g/mi)	1.13	1.23	5.24	19.66	0.803909	2129.08	0.0133769
2024 - Auto Cruising - 25mph (g/mi)	0.01	0.01	2.17	0.24	0.0458798	305.848	0.00525061

Truck Mileage

10205.8283	g/gal
2129.08	g/mi
4.79353915	mpg
0.20861413	gal per mi
0.02878875	MMBtu/mi

Car Mileage

8890.41	g/gal
305.848	g/mi
29.06807	mpg
0.034402	gal per mi
0.0043	MMBtu/mi

Distance Traveled On-site: approximately 0.1 mile per truck

0.1 mile per truck

HHV

Diesel	0.138	mmBtu per gallon
Gasoline	0.125	mmBtu per gallon

NYSDEC Upstream Emission Factor

Table A1. 2021 Emission Rates for Upstream Out-of-State Sources (g/mmbtu)

	Diesel Fuel	
CH4	117.000	g/MMBtu
N2O	0.250	g/MMBtu
CO2	13,634	g/MMBtu
CO2e	24,214	g/MMBtu

	Diesel Fuel	
CH4	16.146	g/gal
N2O	0.035	g/gal
CO2	1,881	g/gal
CO2e	3,342	g/gal

NYSDEC, *Appendix A of the 2024 Statewide GHG Emission Report. December 2024*

eGRID Baseload Electricity Factor

Data Year	eGRID subregion acronym	eGRID subregion name	Unit	eGRID subregion annual CO2 total output emission rate	eGRID subregion annual CH4 total output emission rate	eGRID subregion annual N2O total output emission rate	eGRID subregion annual CO2 equivalent total output emission rate (GWP-100)	eGRID subregion annual CO2 equivalent total output emission rate (GWP-20)
2022	NYCW	NPCC NYC/Westchester	lb/MWh	602.088	0.056	0.008	605.872	608.904
			g/kWh	273.103	0.025	0.004	274.819	**276.194**

Environmental, Planning, and Engineering Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

April 18, 2025

Ms. Jennifer Gonzalez
NYSDEC
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

Re: Climate Vulnerability Analysis
521 East Tremont Avenue, Bronx, NY
NYSDEC BCP Site No. C203161

Dear Ms. Gonzalez:

This Climate Vulnerability Analysis (CVA) has been prepared by AKRF, Inc. (AKRF) on behalf of M521 Tremont LLC and 521 Tremont Owner LLC (the "Client") for the Site [New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203161] located at the above-referenced location, also identified as New York City Tax Block 3043, Lots 72 and 77 (the "Site"). As further detailed in the November 2023 NYSDEC Memorandum, DER-31: Green and Sustainable Remediation Initiative, beginning January 1, 2024, all remedial work plans and reports submitted to NYSDEC pursuant to a remedial program under Part 375 are required to address green and sustainable remediation (GSR) in accordance with DER-31. The EFA was incorporated into the NYSDEC Decision Document as a requirement for selection between the two remedy alternatives — Track 1 and Track 2/4.

This CVA focuses on the risks associated with the construction and operation of the primary components of each of the two remedy alternatives: excavation and disposal of contaminated soil, import of backfill materials, In-Situ Chemical Oxidation (ISCO) groundwater treatment, and installation of an active sub-slab depressurization system (SSDS).

POLICY CONTEXT

The New York State Sea Level Rise Task Force was created to assess potential impacts on the state's coastlines from rising seas and increased storm surge. The Task Force prepared a report of its findings and recommendations including protective and adaptive measures.[1] The recommendations are to: provide more protective standards for coastal development, wetlands protection, shoreline armoring, and post-storm recovery; implement adaptive measures for habitats; integrate climate change adaptation strategies into

[1] New York State Sea Level Rise Task Force. *Report to the Legislature*. December 2010.

state environmental plans; and amend local and state regulations or statutes to respond to climate change. The Task Force also recommended the formal adoption of projections of sea-level rise.

The New York State Climate Action Plan Interim Report identified a number of policy options and actions that could increase the climate change resilience of natural systems, the built environment, and key economic sectors—focusing on agriculture, vulnerable coastal zones, ecosystems, water resources, energy infrastructure, public health, telecommunications and information infrastructure, and transportation.[2] New York State's Community Risk and Resiliency Act (CRRA)[3] requires that applicants for certain State programs demonstrate that they have taken into account future physical climate risks from storm surges, sea-level rise and flooding, and required the NYSDEC to establish official State sea-level rise projections. In February 2017, DEC adopted a rule (6 NYCRR Part 490) defining the existing projections for use. These projections provide the basis for State adaptation decisions and are available for use by all decision makers. CRRA applies to specific State permitting, funding and regulatory decisions, including: smart growth assessments; funding for wastewater treatment plants; siting of hazardous waste facilities; design and construction of petroleum and chemical bulk storage facilities; oil and gas drilling; and State acquisition of open space. As required under the CRRA, DEC published implementation guidance and reference to climate change projections specific to New York State in August 2021.

In New York City, the Climate Change Adaptation Task Force is tasked with fostering collaboration and cooperation between public and private organizations working to build the resilience of the city's critical infrastructure against rising seas, higher temperatures, and changing precipitation patterns. The Task Force is composed of over 57 New York City and State agencies, public authorities, and companies that operate, regulate, or maintain critical infrastructure in New York City. Led by the Mayor's Office of Climate and Environmental Justice, the Task Force works together to assess risks, prioritize strategies, and examine how standards and regulations may need to be adjusted in response to a changing climate.

To assist the Task Force, the New York City Panel on Climate Change (NPCC) has prepared a set of climate change projections for the New York City region[4], which was subsequently updated,[5,6] and has suggested approaches to create an effective adaptation program for critical infrastructure. The NPCC includes leading climatologists, sea-level rise specialists, adaptation experts, and engineers, as well as representatives from the insurance and legal sectors. The climate change projections include a summary of baseline and projected climate conditions throughout the 21st century including heat waves and cold events, intense precipitation and droughts, sea-level rise, and coastal storm levels and frequency.

---

[2] NYSERDA. New York State Climate Action Plan Interim Report. November 2010.

[3] *Community Risk and Resiliency Act.* Chapter 355, NY Laws of 2014. April 9, 2013. Signed September 22, 2014.

[4] New York City Panel on Climate Change. *Climate Change Adaptation in New York City: Building a Risk Management Response*. Annals of the New York Academy of Sciences, May 2010.

[5] Braneon, C., Ortiz, L., Bader, D., Devineni, N., Orton, P., Rosenzweig, B., McPhearson, T., Smalls-Mantey, L., Gornitz, V., Mayo, T., Kadam, S., Sheerazi, H., Glenn, E., Yoon, L., Derras-Chouk, A., Towers, J., Leichenko, R., Balk, D., Marcotullio, P., & Horton, R. (2024). *NYC climate risk information 2022: Observations and projections*. Interim Report for Public Release https://climateassessment.nyc

[6] Balk, D., Braneon, C., Leichenko, R., Moss, R., Towers, J. (2024). *Climate Risk and Equity: Advancing Knowledge Toward a Sustainable Future: Introduction*. New York City Panel on Climate Change. https://climateassessment.nyc

Temperature & Urban Heat Island

The probability that New York City would experience an increase in air temperatures and relative humidity (characterized as the heat index of a given location) is considered by NPCC to be "very likely." NPCC projected that temperatures are likely to increase by up to 7.1 degrees Fahrenheit by the 2050s and that New York City would experience up to 9 heat waves per year with an average duration up to 6 days. By the end of the century, temperatures are likely to increase by up to 13.5 degrees Fahrenheit with up to 10 heat waves per year with an average duration of 10 days.

Precipitation

NPCC projected that precipitation levels are likely to increase by up to 13 percent compared to the 1971–2000 base period by the 2050s and up to 25 percent by the end of the century with up to 5 rainfall events projected to result in 2 inches or more of precipitation.

Sea Level Rise

NPCC has projected that sea levels are likely to increase by up to 23 inches by the 2050s and up to 65 inches by the end of the century (more detailed ranges and timescales are available). In general, the probability of increased sea levels is characterized by NPCC as "extremely likely," but there is uncertainty regarding the probability the various levels projected and timescale. Intense hurricanes are characterized by NPCC as "more likely than not" to increase in intensity and/or frequency, and the likelihood of changes in other large storms ("Nor'easters") are characterized by NPCC as unknown. Therefore, the projections for future 1-in-100 coastal storm surge levels for New York City include only sea-level rise at this time, and do not account for changes in storm frequency.

CLIMATE RISKS

Temperature & Urban Heat Island

Existing Conditions

The Site is identified as being vulnerable to extreme heat by the New York City Department of Health (DOH), with a Heat Vulnerability Index (HVI) of 5 out of 5—considered the highest level of risk.[7] The proposed future use of the Site includes restricted-residential and commercial uses, with some community facility space. The Site is abutted to the north by a parking lot and Bronx Charter School for Excellence 5; to the east by Third Avenue, followed by mixed-use buildings, commercial uses, and a church; to the south by East Tremont Avenue followed by commercial buildings; and to the west by a funeral home, commercial uses, followed by Bathgate Avenue. The surrounding area is predominantly residential and commercial, with some institutional uses.

Walter Gladwin Park is located southeast-adjacent to the Site, at the southeastern intersection of Third Avenue and East Tremont Avenue. The Site is located within walking distance of Crotona Park and Richman (Echo) Park.

Future Conditions

According to projections for increases in annual mean temperatures, the Site is anticipated to experience increased temperatures between 4.2 degrees Fahrenheit and 13.5 degrees Fahrenheit by the end of the

[7] NYCDOH. *Interactive Heat Vulnerability Index*. https://a816-dohbesp.nyc.gov/IndicatorPublic/beta/key-topics/climatehealth/hvi/

century.[8, 9] Additionally, by the 2080s NPCC projects that the number of days with temperatures above 90 degrees Fahrenheit would increase by 91 days (or 69 days above 95 degrees Fahrenheit). By the end of the century, NPCC projects that New York City would likely experience up to 10 heat waves per year with an average duration of 10 days.

Climate Vulnerability of the Selected Remedy

The remedy would not be affected by the projected increase in temperature or urban heat island effect. Therefore, no further assessment of heat impacts is warranted.

Precipitation

Existing Conditions

Precipitation in New York City was observed to have increased by a rate of 0.76 inch per decade with an average storm rainfall intensity of approximately 2 inches in one hour and a 10 percent chance of occurrence per year. New York City Department of Environmental Protection (NYCDEP) has identified that the Site does not experience nuisance flooding (with flood levels greater than 4 inches) or deep and continuous flooding (with flood levels greater than 1 foot).

Future Conditions

Annual precipitation levels are anticipated to increase in New York City up to 14 percent (approximately 56.7 inches per year) by the 2050s and up to 30 percent (approximately 64.6 inches per year) by the end of the century.[10]

Climate Vulnerability of the Selected and Implemented Remedy

As described in the Remedial Action Work Plan (RAWP), erosion and sedimentation control measures will be implemented for the selected remedy during construction activities at the Site. The RAWP included requirements regarding stormwater management, erosion and sediment control, and construction practices to minimize stormwater contamination. Since remediation will be completed in approximately 11 months for Track 1 and 7 months for Track 2/4, these measures are resilient to the current rainfall levels of approximately 2 inches in one hour.

Following completion, the remedy is not likely to be affected by increased future projected precipitation levels. Therefore, no further assessment of stormwater flooding impacts is warranted.

---

[8] NYSERDA. Climate Change in New York State. Updating the 2011 ClimAID Climate Risk Information Supplement to NYSERDA Report 11-18 (Responding to Climate Change in New York State). September 2014.

[9] Braneon, C., Ortiz, L., Bader, D., Devineni, N., Orton, P., Rosenzweig, B., McPhearson, T., Smalls-Mantey, L., Gornitz, V., Mayo, T., Kadam, S., Sheerazi, H., Glenn, E., Yoon, L., Derras-Chouk, A., Towers, J., Leichenko, R., Balk, D., Marcotullio, P., & Horton, R. (2024). *NYC climate risk information 2022: Observations and projections*. Interim Report for Public Release https://climateassessment.nyc

[10] As noted by the NPCC, the greatest increases in precipitation are projected to occur during the winter months with smaller increased generally projected for the summer and fall seasons. However, NPCC projects that some reductions in mean precipitation is anticipated under the low-end scenario by 2100, with the greatest decreases projected for the summer and fall seasons.

Sea Level Rise

Existing Conditions

According to current flood hazard projections,[11] the Site is not within the current 1-in-100 or the 1-in-500 coastal storm surge levels.

Note that these flood areas and elevations are likely conservatively high and may be revised in the future. On October 17, 2016, the Federal Emergency Management Agency (FEMA) and New York City Mayor de Blasio announced plans to revise the FEMA flood maps based on a 2015 New York City appeal of FEMA's flood risk calculations for New York City and the region. Therefore, it is possible that the revised FEMA current flood elevations would be lower, and the resulting future flood elevations, including sea-level rise, may also be lower than those presented here.

Future Conditions

According to NPCC data (under the NPCC high-end estimate), by the 2050s, the 1-in-100 flood levels could reach 23 inches higher due to sea-level rise. By the end of the century, the 1-in-100 flood levels could reach 65 inches higher.

Climate Vulnerability of the Selected Remedy

The completed remedy would not be affected by projected increases in sea level rise. Therefore, no further assessment of coastal flooding impacts is warranted.

CONCLUSIONS

Based on the review of potential flooding (from both sea level rise and increased precipitation) and heat impacts, the selected remedy is resilient to existing and future climate risks.

If you have any questions or require additional information, please contact me at (646) 388-9846 or Adrianna Bosco at (646) 388-9576.

Sincerely,
AKRF, Inc.



Kevin Edwards
Senior Technical Director

cc: Adrianna Bosco/AKRF

[11] FEMA. *Preliminary Flood Insurance Rate Map*. Panel 3604970236G. Release Date: 12/05/2013.