FORMER T&J SALVAGE

2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

Remedial Investigation Work Plan

NYSDEC BCP Site No.: C224362
AKRF Project Number: 220241

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
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Prepared On Behalf Of:

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MAY 2023

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CERTIFICATION

I, Stephen Malinowski, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Work Plan 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).

Stephen Malinowski		May 31, 2023
Name	*Signature*	*Date*

1.0 INTRODUCTION

This Remedial Investigation Work Plan (RIWP) has been prepared by AKRF, Inc. (AKRF) on behalf of 2647 Stillwell Avenue Property LLC (the "Applicant") for the property located at 2647 Stillwell Avenue in Brooklyn, New York, hereafter referred to as the "Site." The Site is identified by the City of New York as Borough of Brooklyn, Block 7247, Lots 200, 203, 205, 206, 211, and 213. A Site Location Map is provided as Figure 1, and a Site Plan is provided as Figure 2.

Currently, the approximately 1.87-acre Site consists of a concrete-paved yard with empty metal storage containers and a former office. The Site was most recently operated by T&J Auto Salvage, an auto salvage yard, and Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company, up until April 14, 2023. A concrete-paved roadway is located along the southern boundary of the Site adjacent to Coney Island Creek, and a portion of the roadway is encroaching approximately 22 feet onto Block 7247, Lot 1 (Coney Island Creek). Approximately 55 feet of the northern portion of the former salvage yard encroaches into an easement for the adjacent Belt Parkway. A copy of the 2015 Site Survey prepared by Gallas Surveying Group (updated August 2022) is included as Appendix A.

The Applicant applied for entry into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) in October 2022, and was accepted into the program as a Volunteer in March 2023 (BCP Site No. C224362). Based on available data collected to date, the primary contaminants of concern for the Site are petroleum-related volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) [a class of semivolatile organic compounds (SVOCs) commonly found in historic fill], and metals in soil, and petroleum-related VOCs, SVOCs, and metals in groundwater.

This RIWP describes the procedures to be used to define the nature and extent of contamination at the Site. The data compiled from the Remedial Investigation (RI), as described in this RIWP, will be used to prepare an RI Report (RIR). All work will be completed in accordance with this RIWP, which includes a Quality Assurance Project Plan (QAPP) (Appendix B), a Health and Safety Plan (HASP) (Appendix C), and a Community Air Monitoring Plan (CAMP) (Appendix D). The CAMP will be implemented during all ground intrusive activities. The drilling subcontractor will maintain water on-site for misting, as needed, during all ground-intrusive activities to suppress dust, as needed.

Contact information for the parties responsible for implementation of the work described in this RIWP is included in Table 1:

Table 1
Remedial Investigation Personnel Contact Information

Company	Individual Name	Title	Contact Number
NYSDEC	Michael Sollecito	Project Manager	(518) 402-2198
NYSDOH	Johnathan Robinson	Project Manager	(518) 402-7881
AKRF	Stephen Malinowski, QEP	Project Director	(631) 574-3724 (office)
	Adrianna Bosco	Project Manager	(646) 388-9576 (office)
	Thomas Giordano	Field Team Leader/ Site Safety Officer	(914) 602-6956 (mobile)
	Anna Brooks	Alternate Field Team Leader/Site Safety Officer	(201) 916-0925 (mobile)
2647 Stillwell Avenue Property LLC	Ryan Nelson	BCP Applicant Representative	(917) 346-5942 (office)

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description and Surrounding Land Use

The Site is currently vacant and contains empty trailers and vacant office space. Up until April 14, 2023, the Site was previously operated by T&J Auto Salvage and Stillwell Ready-Mix and Building Materials, LLC. Automotive parts and waste storage associated with the former operations were removed from the Site. Four temporary trailers located near the Site entrance Site served as an office for T&J Auto Salvage office. The office is equipped with electricity, but does not have a heating or air conditioning system. The office bathroom is reportedly connected to an on-site sanitary system, but the location is unknown. Empty storage units, construed with corrugated metal sheeting and concrete floors, are located along the southern-central Site boundary, and were previously used for dismantling auto parts.

The majority of the Site is covered with impervious surfaces, either concrete and empty storage trailers. Staining and multiple surficial spills of automotive fluids are present throughout the Site but are concentrated in the vicinity of former work areas. Five stormwater catch basins were observed in the former salvage yard during the Site inspection, which are reportedly not connected to Coney Island Creek and contain solid bottoms.

The southern and southeastern portions of the Site were previously utilized by Stillwell Ready-Mix and Building Materials, LLC for concrete truck parking and storage areas for building supplies. The surface consists of concrete with no apparent staining. There were no drums or chemical storage observed on the former Stillwell Ready-Mix and Building Materials, LLC portion of the Site.

The Site is bounded to the north by an easement area associated with the Belt Parkway, followed by the Belt Parkway (a.k.a. Shore Parkway), followed by parking lots; to the east by the Metropolitan Transit Authority (MTA) D, F, N, and Q train lines, followed by vacant land and MTA's Coney Island Yard; to the south by Coney Island Creek; and to the west by Stillwell Avenue, followed by Coney Island Creek. A Surrounding Land Use Map is provided as Figure 3.

2.2 Site Geology, Hydrogeology, and Subsurface Characteristics

Based on the ALTA/ACSM Land Title Survey of the Site prepared by Gallas Surveying Group, dated January 5, 2015 (updated August 2022), the Site slopes from approximately 11 to 12 feet above mean sea level on the northeastern portion of the Site to 10 feet ASML on the southwestern portion. The surrounding area generally slopes towards Coney Island Creek and south toward the Lower New York Bay, located approximately one mile south of the Site.

Coney Island Creek is located immediately south-adjacent to the Site. Groundwater, as measured within temporary monitoring wells, was encountered approximately 9 to 11 feet below ground surface (bgs) during a 2015 Subsurface (Phase II) Investigation conducted by AKRF. Groundwater flow is expected to follow surface topography, primarily to the south towards Coney Island Creek. Groundwater in Brooklyn is not used as a potable source.

The stratigraphy beneath the Site consists of historic fill material (comprising sand, gravel, and silt, with varying amounts of tile, metal, brick, and wood) from just below the surface to depths ranging between approximately 9 and 11 feet bgs within AKRF's 2015 soil borings. Bedrock was not encountered during AKRF's 2015 Subsurface (Phase II) Investigation.

2.3 Proposed Development Plan

Although the redevelopment plans are still being prepared, the proposed project currently includes demolition of the office trailers and existing storage building (including asbestos abatement as

applicable) and construction of new building(s) to support commercial uses, with improvement of parking areas to support the anticipated redevelopment. The anticipated future use includes logistics, trucking, and distribution. Redevelopment also contemplates the installation of a photovoltaic solar system to support community distributed solar generated electricity and/or on-site use.

The RI will be completed prior to the demolition of the Site office and storage buildings and clearing of debris and materials associated with the auto salvage and building supply businesses. If redevelopment plans change substantially following completion of the proposed fieldwork, a supplemental RI will be conducted to fill any data gaps, as necessary, in coordination with NYSDEC.

2.4 Site History

Topographical maps indicate that the Site contained marshland in 1891 and 1898 and was subsequently filled in and depicted as vacant land by 1947. Historical Sanborn maps indicate that the Site included a dwelling noted on the north-central portion of the Site and a small structure labeled "office" with a one-story structure labeled "junk" just north of the small office on the southern edge of the Site in 1930. Additionally, a portion of Canal Avenue bisected the Site through the center and occupied the southwestern portion of the Site in 1930. Sanborn maps also indicate that the Site operated as an auto salvage and wrecking yard around the 1950s, became vacant by 1966, and resumed auto salvage and wrecking operations starting in 1979 and continuing to present day. City directories reviewed as part of the Phase I Environmental Site Assessment (ESA) indicate that the Site operated as auto wrecking and salvage from 1940 to April 2023 under "Hub Auto Wrecking Co." (1940), "Johnson's Auto Glass Co." (1949), "City Wide Auto Salvage Ltd." (1976), and "T&J Salvage Corp." (1985 to 2023).

3.0 PREVIOUS ENVIRONMENTAL REPORTS

Copies of previous reports prepared for the Site are included in Appendix E and summarized below:

Subsurface (Phase II) Investigation – 2647 Stillwell Avenue, Brooklyn, New York, AKRF Inc., June 2015

AKRF conducted a Subsurface (Phase II) Investigation at the Site in May 2015 based on the findings of a January 2015 Phase I ESA. The scope of work for this investigation included the advancement of six soil borings; the installation of three permanent groundwater monitoring wells; the collection of soil and groundwater samples for laboratory analyses; and the collection of water and sediment samples from select on-site dry wells/catch basins for laboratory analysis.

Two soil samples were collected from each boring: one from the interval exhibiting the greatest contamination, and one from just above the groundwater interface. The soil samples were analyzed for VOCs by United States Environmental Protection Agency (EPA) Method 8260, SVOCs by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, and Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by EPA Method 6000/7000 series.

Six drywells/catch basins (DW-1 through DW-6) were identified and inspected at the Site. Two water samples were collected using dedicated bailers from drywells containing standing water (DW-1 and DW-2), while a sediment sample was collected from DW-4, which had appreciable amounts of sediment. Sediment and water samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA metals by EPA Method 6000/7000 series, and PCBs using EPA Method 8081.

The groundwater monitoring wells were installed approximately 5 feet below the water table, which was observed at between 8 and 11 feet bgs. The wells were developed and purged prior to sampling with dedicated sampling equipment. Groundwater samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA metals by EPA Method 6000/7000 series, and PCBs using EPA Method 8081.

The following is a summary of the findings:

Soil and Sediment Analytical Results

- The petroleum-related VOC, 1,2,4-trimethylbenzene, was detected in one or more soil samples exceeding the NYSDEC Unrestricted Use Soil Cleanup Objective (UUSCO) and in one sample (SB-4) exceeding the Commercial Use Soil Cleanup Objective (CSCO).
- Eight other VOCs were detected above the UUSCOs, but below the CSCOs in one or more soil samples including: 1,3,5-trimethylbenzene, acetone, benzene, ethylbenzene, n-propylbenzene, naphthalene, toluene, and total xylenes.
- Eight SVOCs [3-methylphenol/4-methylphenol, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] were detected in the soil samples at concentrations above the UUSCOs. Benzo(a)pyrene was also detected above the CSCO in five samples.
- Five metals were detected in soil above the UUSCOs and/or CSCOs including: arsenic [maximum concentration of 31 milligrams per kilogram (mg/kg)], barium (maximum concentration of 570 mg/kg), lead (maximum concentration of 670 mg/kg), mercury (maximum concentration of 1.3 mg/kg), and silver (maximum concentration 2.7 mg/kg). Exceedances were detected in the fill layer observed throughout the Site.
- Total PCBs were detected in two shallow samples collected from borings SB-5 and SB-6 at concentrations above the UUSCO of 0.1 mg/kg, but below the CSCO of 1 mg/kg.

Groundwater and Drywell Analytical Results

- Ten VOCs were detected in one or more groundwater samples at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs), including: 1,2,4-trimethylbenzene, 1,2,4,5-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, ethylbenzene, isopropyl benzene, methyl tertiary butyl ether (MTBE), naphthalene, total xylenes, and toluene.
- Three SVOCs were detected above the AWQSGVs in drywell/catch basin water and groundwater samples. Benzo(b)fluoranthene was detected in groundwater at a concentration of 0.1 micrograms per liter (µg/L), above its AWQSGVs of 0.002 µg/L. Bis(2-ethylhexyl) phthalate was detected in two drywell/catch basin samples at concentrations ranging from 38 (µg/L) to 120 µg/L, above its AWQSGVs of 5 µg/L. Chrysene was detected at concentrations ranging from 0.07 µg/L to 0.67 µg/L in the groundwater wells, above its AWQSGV of 0.002 µg/L.
- Lead, chromium, and barium were detected at concentrations exceeding their respective AWQSGVs in the unfiltered (total) metals analysis from drywell/catch basin and groundwater samples. No metals were detected at concentrations above the AWQSGVs in the lab filtered (dissolved) metals analysis, suggesting sediment related sources.
- No PCBs were detected above laboratory reporting limits in any of the groundwater or drywell/catch basin liquid samples.

Site Inspection Report - T&J Salvage, 2647 Stillwell Avenue, Brooklyn, New York, Weston Solutions Inc., December 2021

Weston Solutions, Inc. (Weston) conducted a Site Inspection (SI) between September 2020 and December 2021 to document conditions at the Site. At the time of the inspection, T&J Auto Salvage managed the Site under National Pollutant Discharge Elimination System (NPDES) Permit No. NYR00D555, allowing stormwater runoff to discharge to Coney Island Creek. Between 2009 and 2017, toluene, benzene, ethylbenzene, total xylenes, iron, aluminum, and lead were detected at the discharge monitoring point; however, the Weston Site Inspection Report did not include the Discharge Monitoring Reports or identify the location of the disrharg. Weston Site Assessment Team V (SAT V) performed a pre-sampling reconnaissance in March 2021 to identify potential sample locations and noted poor housekeeping within the facility, including a lack of secondary containment.

In April 2021, Weston collected 12 surface water and 63 sediment samples from Coney Island Creek and Shell Bank Creek to be analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. The laboratory data results were not included in the report; however, Weston provided a summary of the results. Contaminants in creek sediments that were detected three times higher than background conditions or greater than the highest reporting detection limit (RDL) included:

- The VOC 1,2,4- trimethylbenzene;
- The SVOCs anthracene, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, bis(2-ethylhexyl) phthalate, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene;
- The pesticides 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, cis-chlordane, and trans-chlordane; and
- The metals barium, cadmium, calcium, chromium, cyanide, lead, silver, and zinc.

In June 2021, Weston collected 22 soil samples and four groundwater samples from the Site for analysis of VOCs, SVOCs, pesticides, PCBs, and metals. A summary of the laboratory results is provided below:

- The VOC 1,2,4-trimethylbenzene was detected at a concentration of 11 mg/kg, above the UUSCO of 3.6 mg/kg but below the CSCO of 190 mg/kg. No other VOCs were detected above the UUSCOs or CSCOs.
- SVOCs, primarily PAHs, were detected above the UUSCOs at concentrations up to 5 mg/kg. Dibenzo(a,h)anthracene was detected above the CSCO of 560 mg/kg at a concentration of 600 mg/kg.
- PCBs were not detected at concentrations above the UUSCOs or CSCOs.
- The pesticides 4,4'-DDD and 4,4'-DDT were detected at concentrations up to 0.04 mg/kg, above the UUSCO of 0.0033 mg/kg but below the CSCOs.
- Barium, cadmium, lead, mercury, silver, and zinc were detected above the UUSCOs. Barium was detected above the CSCO of 400 mg/kg at concentrations up to 5,300 mg/kg. Lead was detected above the CSCO of 1,000 mg/kg at concentrations up to 5,900 mg/kg.

Groundwater sample concentrations were relatively low, and Weston indicated that the concentrations do not indicate a release of contaminants into groundwater.

Phase I Environmental Site Assessment, 2647 Stillwell Avenue, Brooklyn, New York, AKRF Inc., October 2022

AKRF prepared a Phase I ESA in September 2022. The Phase I ESA was conducted in conformance with the scope and limitations of American Society for Testing & Materials (ASTM) Practice E1527-13 but also incorporated the requirements for the new ASTM Standard E1527-21. The Phase I ESA included a visual inspection of the Site and a review of regulatory database records and historical records. The assessment identified the following Recognized Environmental Conditions (RECs) in connection with the Site:

- The Site has operated as an auto wrecking and salvage facility since approximately 1930. Common products and wastes at an auto salvage shop include motor oil, solvents and degreasers, waste oil, hydraulic fluid, anti-freeze, paints, and gasoline. Historic automotive salvage uses appear to have affected the Site subsurface environment. Previous subsurface investigations identified elevated levels of SVOCs and metals in soil above the NYSDEC CSCOs. Petroleum-related compounds and SVOCs were detected at elevated concentrations in groundwater and drywell water samples. Additionally, a test pit investigation performed by Key Environmental in 2001 revealed contamination with oil/engine fluid in the top 3 feet of soil along with the presence of buried small machine parts. Minor oil staining was observed in the vicinity of eleven 5-gallon containers of oil and two 2-gallon cans of kerosene being stored in a warehouse on the southern portion of the Site. NYSDEC Spill Nos. 0330026 and 0330015 identified free product and floating petroleum at the Site in 2010. The spills were later closed following an inspection performed by NYSDEC.
- The Site is listed on several regulatory databases, including Superfund Enterprise Management System (SEMS), Resource Conservation and Recovery Information System (RCRIS), Emergency Response Notification System (ERNS), US Aerometric Information Retrieval System Facility Subsystem (AIRS), Facility Index System/Facility Registry System (FINDS), Enforcement and Compliance History Information (ECHO), Solid Waste Facilities/Landfill Sites (SWF/LF), New York State Spills Information Database (NY Spills), and NY MANIFEST. The databases identify the Site as T&J Salvage and Stillwell Ready-Mix and Building Materials, LLC, and note suspected illegal cement dumping into Coney Island Creek and active vehicle dismantling operations. Additionally, NYSDEC identified the Site as a potential inactive hazardous waste disposal site in a letter dated April 5, 2022. If NYSDEC determines that hazardous waste has been disposed of on the Site, the Site will be listed on the Registry of Inactive Hazardous Waste Disposal Sites. However, the P-listing letter offers that the Subject Property can be entered into the New York State Brownfield Cleanup Program (the "BCP") to

investigate the Subject Property and to remediate the conditions at the Subject Property whereby the Subject Property can avoid being listed on the Registry.

- Former Brooklyn Borough Gas Works was located approximately 200 feet east (cross-gradient) of the Site between approximately 1930 through 2007. The facility was shown on historical Sanborn maps with gas holders and a tar separator, and is listed on several databases, including SHWS, State Institutional Controls/Engineering Controls, and Manufactured Gas Plant (MGP) Sites.
- The regulatory database search identified proximal facilities that have some potential to have affected the environmental integrity of the Site, including spill listings, RCRA facilities, and historical auto repair facilities.

Limited Subsurface (Phase II) Investigation, 2647 Stillwell Avenue, Brooklyn, New York, AKRF Inc., February 2023

In February 2023, AKRF performed a Limited Subsurface (Phase II) Investigation on Lots 200, 203, 205 and 211 to provide additional data to support an eligibility determination by NYSDEC and include all six tax lots in the Brownfield Cleanup Agreement (Lots 200, 203, 205, 206, 211, and 213). This data was used to supplement the October 2022 BCP Application.

The investigation included performance of a geophysical survey to search for unknown underground storage tanks (USTs), sanitary or stormwater drainage structures, and to identify potential utilities near proposed boring locations; advancement of 8 soil borings with the collection and laboratory analysis of 20 soil samples; the installation of 4 two-inch diameter permanent groundwater monitoring wells with the collection and laboratory analysis of 4 groundwater samples to evaluate groundwater quality; and the installation of 3 temporary soil vapor probes with the collection and laboratory analysis of 3 soil vapor samples.

At each boring location, one soil sample was collected from the 2-foot interval directly below existing pavement and a second sample was collected from the 2-foot interval immediately above the groundwater table (encountered between 8 and 11 feet bgs in the soil borings). Due to field-related evidence of contamination (elevated PID readings, petroleum like odors, or slight sheen) in soil borings SB-07, SB-09, SB-12, and SB-14, a third sample was collected from 9 to 11 feet bgs, 3 to 5 feet bgs, 2 to 4 feet bgs, and 2 to 4 feet bgs, respectively. Soil samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and TAL metals by EPA Method 6000/7000 series using Category B deliverables.

Four 2-inch-diameter permanent groundwater monitoring wells (MW-07 through MW-10) were installed at the Site. All groundwater monitoring wells were constructed with 10 feet of 0.020-inch slotted polyvinyl chloride (PVC) well screen installed approximately 5 feet into the observed water table. Groundwater samples were analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 using Category B deliverables.

Three temporary soil vapor points were installed to approximately 5 feet bgs. At each location, one vapor sample was collected over approximately 2 hours in a 6-Liter SUMMA® canister for VOC analysis by EPA Method TO-15.

The following is a summary of the findings:

Soil and Sediment Analytical Results

- VOCs were detected in 19 of the 20 soil samples and in all four lots. One VOC, 1,2,4-trimethylbenzene, was detected at concentrations up to 370 mg/kg in sample SB-14_2-4_20230201, above its respective CSCO.
- SVOCs were detected in all 20 of the soil samples. The SVOCs benzo(a)anthracene (maximum of 55 mg/kg), benzo(a)pyrene (maximum of 55 mg/kg), benzo(b)fluoranthene (maximum of 69 mg/kg),

dibenz(a,h)anthracene (maximum of 8 mg/kg), and indeno(1,2,3-cd)pyrene (maximum of 37 mg/kg) were detected at concentrations above their respective CSCOs. SVOC exceedances of the CSCOs were detected on each of the four lots.

- Up to 23 of the 23 TAL metals analyzed were detected in all 20 soil samples on all four lots (Lots 200, 203, 205, and 211). Of the detections, arsenic (maximum of 47 mg/kg), barium (maximum of 636 mg/kg), copper (maximum of 363 mg/kg), and lead (maximum of 3,360 mg/kg) were detected at concentrations above their respective CSCOs.

Groundwater

- VOCs were detected in all four groundwater samples. The VOCs acetone (maximum of 70 µg/L), benzene (maximum of 11 µg/L), chloroform (maximum of 7.6 µg/L), m,p-xylenes (maximum of 12 µg/L), and methyl ethyl ketone (MEK) (maximum of 65 µg/L) on two lots (Lots 200 and 203) were detected at concentrations above their respective AWQSGVs.
- SVOCs were detected in all four of the groundwater samples. The SVOCs 1,4-dioxane, 2-methylnapthalene, 4-methylphenol, naphthalene, and phenol were detected at concentrations up to 2.4 µg/L. No SVOCs were detected at concentrations above their respective AWQSGVs.

Soil Vapor

- Petroleum-related VOCs (including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-butadiene, 4-ethyltoluene, benzene, cyclohexane, ethylbenzene, m,p-xylenes, MEK, n-heptane, n-hexane, o-xylene, styrene, and toluene) were detected in the soil vapor samples at individual concentrations up to 9,700 micrograms per cubic meter ($\mu g/m^3$) from a diluted analysis (n-hexane in sample SV-09_20230201 on Lot 205).
- Other VOCs, including compounds typically associated with solvents [such as acetone, carbon disulfide, chlorobenzene, chloroform, dichlorodifluoromethane, isopropanol, tetrachloroethylene (PCE), trichloroethylene (TCE), and trichlorofluoromethane] were detected in the soil vapor samples at individual concentrations up to 200 $\mu g/m^3$ from a diluted analysis (acetone in sample SV-09_20230201 on Lot 205).

Soil concentrations above the UUSCOs and/or CSCOs from AKRF's 2015 and 2023 subsurface investigations are shown on Figure 4. Groundwater concentrations above the AWQSGVs are shown on Figure 5. Soil vapor detections are shown on Figure 6.

3.1 Areas of Concern (AOCs)

Based on the Site's history and previous reports prepared for the Site, the AOCs for the RI include:

1. The Site's former industrial use as an automotive salvage yard.
2. Elevated concentrations of petroleum-related compounds, SVOCs, PCBs, and select metals in soil samples during 2015 and 2021 environmental investigations.
3. Elevated concentrations of petroleum-related compounds, SVOCs, and select metals in groundwater and drywell samples during 2015 and 2021 environmental investigations.

4.0 FIELD PROGRAM

The RI field program will focus on collecting soil, groundwater, and soil vapor data to further define and characterize the nature and extent of Site contamination and to assist with determining the appropriate remedial action. The RI field program will be completed prior to the demolition of the Site office trailer and storage building, while the current businesses remain in operation. If redevelopment plans change substantially following completion of the proposed fieldwork, a supplemental RI will be conducted to fill in any data gaps, as necessary.

4.1 Purpose

In accordance with DER-10 3.1(c)1, the purpose of an RI is to:

- Delineate the lateral and vertical extent of contaminants in all media at or emanating from the Site;
- Determine the surface and subsurface characteristics of the Site, including topography, geology, and hydrogeology, including depth to groundwater;
- Identify the sources of contamination, the migration pathways, and actual or potential receptors of contaminants on or through air, soil, sediment, groundwater, and structures at a contaminated site, without regard to property boundaries;
- Collect and evaluate all data necessary to evaluate the actual and potential threats to public health and the environment. This includes evaluating all current and future potential public health exposure pathways (a Qualitative Human Health Exposure Assessment) as well as potential impacts to biota; and
- Collect the data necessary to evaluate any release to an environmental medium and develop remedial alternative(s) to address the release.

These requirements are the basis of the following goals for the RI:

- Characterize the lateral and vertical extent of contaminants in the BCP Area to the degree necessary to evaluate the human health and ecological risks and to develop a remedy to reduce associated risks;
- Document the sources of contaminants in the BCP Area, including a preliminary evaluation of ongoing sources of contaminants that need to be addressed so that a sustainable remedy can be developed and implemented; and
- Determine the human health and ecological risks from exposure to contaminants.

4.2 Field Program Summary

The field work scope of work (SOW) includes: the performance of a geophysical survey across the Site to locate utilities and any effluent pipes associated with the stormwater catch basins/dry wells; the advancement of 14 soil borings with the collection and laboratory analysis of two to three soil samples from each soil boring; the installation of 5 permanent groundwater monitoring wells with the collection and laboratory analysis of 9 groundwater samples (including 4 samples from monitoring wells installed in February 2023); and the installation of 6 temporary soil gas probes with the collection and laboratory analysis of 6 soil gas samples. The testing program will also include an evaluation of five on-site stormwater structures to determine their construction and points of discharge. If the structures are determined to be drywells that discharge to the earth, a bottom sediment sample will be collected from each. The proposed sample locations are shown on Figure 7.

The soil boring and temporary soil vapor point locations will be surveyed using a Global Positioning System (GPS) and will be measured off fixed points in the field. The groundwater monitoring wells will be surveyed by a New York State-licensed surveyor. Any field evidence of contamination [visual, olfactory, and/or elevated photoionization detector (PID) readings] will be recorded on logs for inclusion in the RIR. All sampling equipment will be either dedicated or decontaminated between sampling locations.

The aforementioned SOW will be conducted by AKRF and its subcontractors. Qualifications for AKRF personnel are included in Section 2.0 of Attachment B. The following sections describe the methods that will be used to complete the SOW.

4.3 Geophysical Survey

A geophysical survey, including ground-penetrating radar (GPR) and magnetometry, will be performed across the Site to investigate the presence of potential underground storage tanks (USTs) and underground utilities, and to clear the proposed sampling locations. GPR uses electromagnetic wave propagation and scattering to image and identify changes in electrical and magnetic properties in the ground. Magnetometers measure irregularities in the magnetic field in a given area. Any anomalies indicative of UST(s) will be marked in the field, measured off of fixed points in the field, and surveyed using GPS.

Additionally, the five catch basins will be investigated to determine if they are connected to the Coney Island Creek, another location, or if they are drywells that discharge to the earth. The inspection will include a visual inspection of the interior of the drainage structure with a camera and light for effluent pipes, scanning the adjacent subsurface for pipes, and tracing any pipes with a conductive duct-trancing rod. The location of any pipes will be marked on the ground surface and traced on the surface in an attempt to determine its point of discharge (POD). If a discharge to Coney Island Creek is discovered, additional inspection and sampling may be necessary and will be discussed with the NYSDEC project manager.

4.4 Outfall Inspection

If safely feasible, AKRF may further investigate any outfalls that discharge to Coney Island Creek along the southern Site boundary. AKRF will use a boat to inspect the outfalls from Coney Island Creek to identify any effluent pipes that could potentially convey stormwater runoff from the Site into Coney Island Creek.

4.5 Catch Basin/Dry Well Sediment Sampling

If no effluent pipes are observed, the catch basins will be inspected to determine their design and whether they are equipped with a solid bottom and walls, as indicated in Weston's 2021 Site Inspection Report. If it is determined that stormwater structures contain sediment bottoms and are dry wells that drain to the earth, a sediment sample will be collected from the bottom of each with a stainless-steel hand-auger for chemical analysis. The rationale for the proposed sediment sample locations is summarized in Table 2.

Table 2
Proposed Sediment Sample Rationale

Sample Location	Sample Intervals for Laboratory Analysis	On-Site Location	Rationale
CB-01	Top 6 to 12 inches of sediment at the bottom of the drain	Northwestern	To assess soil quality of the potential drainage structure, if it is determined to drain to the earth.

Table 2
Proposed Sediment Sample Rationale

Sample Location	Sample Intervals for Laboratory Analysis	On-Site Location	Rationale
CB-02	Top 6 to 12 inches of sediment at the bottom of the drain	Northcentral	To assess soil quality of the potential drainage structure, if it is determined to drain to the earth.
CB-03	Top 6 to 12 inches of sediment at the bottom of the drain	Northwestern	To assess soil quality of the potential drainage structure, if it is determined to drain to the earth.
CB-04	Top 6 to 12 inches of sediment at the bottom of the drain	Northwestern	To assess soil quality of the potential drainage structure, if it is determined to drain to the earth.
CB-05	Top 6 to 12 inches of sediment at the bottom of the drain	Northcentral	To assess soil quality of the potential drainage structure, if it is determined to drain to the earth.

Sediment samples slated for laboratory analysis will be labeled and placed in laboratory-supplied containers and shipped via courier with chain-of-custody (COC) documentation in accordance with appropriate EPA protocols to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Sediment samples will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and Target Analyte List (TAL) metals by EPA Method 6000/7000 series.

4.6 Soil Boring Advancement and Soil Sampling

A RotoSonic or Geoprobe™ direct-push drill rig will be used to advance soil borings RI-SB-01 through RI-SB-14 at the approximate locations shown on Figure 7. Geoprobe™ soil cores will be collected in 5-foot-long, 2-inch-diameter, stainless steel macrocore piston rod samplers fitted with internal, dedicated acetate liners. RotoSonic soil cores will be collected in 10-foot-long, 4-inch-diameter, stainless steel rod samplers fitted with internal new plastic core bags. Soil borings will be advanced to approximately 15 feet bgs to evaluate soil conditions above, at, and just below the groundwater interface, which is expected between 9 and 11 feet bgs. Soil samples will be inspected by AKRF field personnel for evidence of contamination (e.g., odors, staining, etc.), screened for the presence of VOCs with a calibrated PID, and logged using the modified Burmister soil classification system.

At each soil boring location, one soil sample will be collected for analysis from the upper 2 feet below existing pavement, and a second soil sample will be collected for analysis from the 2-foot interval immediately above the groundwater table (anticipated to be encountered between 9 and 11 feet bgs). A third sample will be collected from the interval displaying the greatest degree of contamination (e.g., elevated PID readings, odors, staining, etc.), if encountered. In the absence of contamination, a third sample will be collected from the middle of the fill layer. Soil samples slated for laboratory analysis will be labeled and placed in laboratory-supplied containers and shipped via courier with COC documentation in accordance with appropriate EPA protocols to a NYSDOH ELAP-certified laboratory.

Soil samples will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, TAL metals by EPA Method 6000/7000 series, cyanide by EPA Method 9012, hexavalent chromium by EPA Method 7196A, and per- and polyfluoroalkyl substances (PFAS) by EPA Method 1633 and 1,4-dioxane by EPA Method 8270 (collectively referred to as “emerging contaminants”). Emerging contaminants will

be sampled in accordance with the current NYSDEC guidance, *Sampling for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs* (November 2022).

After each boring is completed, the boreholes will be filled with on-site materials (if not noticeably contaminated) in accordance with Section 3.3(e) of DER-10. Soil cuttings displaying field evidence of contamination will be containerized in properly labeled Department of Transportation (DOT)-approved 55-gallon drums for off-site disposal at a permitted facility. Boreholes that require drill cutting disposal will be filled with bentonite chips (hydrated). Disposable sampling equipment that comes in contact with environmental media will be double bagged and disposed of as municipal trash as non-hazardous refuse.

The rationale for the proposed soil sample locations is summarized in Table 3.

Table 3
Proposed Soil Sample Rationale

Sample Location	Sample Intervals for Laboratory Analysis[1,2]	On-Site Location	Rationale
RI-SB-01	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Northern	To assess soil quality in the northern portion of the Site, adjacent to former auto maintenance staining.
RI-SB-02	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Southern central	To assess soil quality in the southern central portion of the Site, downgradient from the former auto salvage operations.
RI-SB-03	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Northeastern	To assess soil quality in the northeastern portion of the Site.
RI-SB-04	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Eastern	To assess soil quality in the eastern portion of the Site, within former car storage area.
RI-SB-05	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Southeastern	To assess soil quality in the southeastern portion of the former concrete mix facility.

Table 3
Proposed Soil Sample Rationale

Sample Location	Sample Intervals for Laboratory Analysis[1,2]	On-Site Location	Rationale
RI-SB-06	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Northern	To assess soil quality in the northern portion of the Site, near former auto staining.
RI-SB-07	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Central	To assess soil quality in the central portion of the Site, near former auto parts storage.
RI-SB-08	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Northeastern	To assess soil quality in the northeastern portion of the Site.
RI-SB-09	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Northeastern	To assess soil quality in the northeastern corner of the Site.
RI-SB-10	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Southeastern	To assess soil quality in the southeastern portion of the Site.
RI-SB-11	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Southeastern	To assess soil quality in the southeastern portion of the Site.
RI-SB-12	0-2', 2-foot interval below the water table	Southeastern	To assess soil quality in the southeastern portion of the Site.
RI-SB-13	0-2', 2-foot interval below the water table	Southeastern	To assess soil quality in the southeastern central portion of the Site.

Table 3
Proposed Soil Sample Rationale

Sample Location	Sample Intervals for Laboratory Analysis[1,2]	On-Site Location	Rationale
RI-SB-14	0-2', 2-foot interval above the water table, and the interval displaying greatest degree of contamination or middle of fill layer	Western	To assess soil quality in the western portion of the Site.

Notes:
1. Indicates sample depth below existing grade.
2. The groundwater table is anticipated to be encountered between 9 and 11 feet bgs.

4.7 Groundwater Monitoring Well Installation and Development

Five permanent monitoring wells (denoted as RI-MW-01 through RI-MW-05) will be installed using a RotoSonic or Geoprobe™ direct-push drill rig at the proposed locations shown on Figure 7. The wells will be constructed with 15 feet of 2-inch-diameter 0.002-inch slotted polyvinyl chloride (PVC) well screen set approximately 10 feet below the water table and 5 feet above the water table, which is expected to be encountered between approximately 9 and 11 feet bgs, and a 2-inch-diameter solid PVC riser installed to grade. The boreholes will be at least 6 inches in diameter to allow for a minimum 2-inch annular space surrounding the monitoring well. A No. 02 morie sandpack will be installed from the base of the well to approximately 2 feet above the well screen. The annular space around the solid well riser above the sandpack will be sealed with approximately 2 feet of bentonite followed by a non-shrinking grout/cement mixture to approximately one foot below grade. Each of the wells will be finished with a locking j-plug and flush-mounted well cover with a concrete pad. Well construction logs will be prepared and included as an appendix to the RIR.

Following installation, each groundwater monitoring well will be developed via pumping and surging to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer. Development will continue until turbidity within the well is less than 50 nephelometric turbidity units (NTUs) for three successive readings, and until water quality indicators have stabilized to within 10% for pH, temperature, and specific conductivity for three successive readings. In the event that 50 NTUs cannot be achieved, at least three well volumes will be purged from the well. Well development details will be noted on groundwater development logs, included as an appendix to the RIR.

The rationale for the proposed groundwater sample locations is summarized in Table 4.

Table 4
Proposed Groundwater Sample Rationale

Groundwater Monitoring Well ID	On-Site Location	Rationale
RI-MW-01	Northern	To assess groundwater quality on the northern portion of the Site, adjacent to former auto maintenance staining, , and determine Site-specific groundwater flow direction and elevation.

Table 4
Proposed Groundwater Sample Rationale

Groundwater Monitoring Well ID	On-Site Location	Rationale
RI-MW-02	Southern central	To assess groundwater quality on the southern central portion of the Site, downgradient of the former auto salvage operations, and determine Site-specific groundwater flow direction and elevation.
RI-MW-03	Northeastern	To assess groundwater quality on the northern portion of the Site, downgradient of off-site wrecked car storage, and determine Site-specific groundwater flow direction and elevation.
RI-MW-04	Eastern	To assess groundwater quality on the eastern portion of the Site, and determine Site-specific groundwater flow direction and elevation.
RI-MW-05	Southeastern	To assess groundwater quality on the southeastern portion of the Site, within the former concrete mix operaitons, and determine Site-specific groundwater flow direction and elevation.

4.8 Groundwater Elevation Survey

The groundwater monitoring wells will be surveyed by a New York State-licensed surveyor to determine their accurate location and elevation. Two elevation measurements will be taken at each well location—the at-grade elevation and the elevation of the top of PVC casing (north side at marking)—to facilitate preparation of a groundwater contour map and to determine the direction of groundwater flow. The elevation datum for the sampling points will be based on North American Vertical Datum of 1988 (NAVD88). The groundwater elevation survey will be included as an appendix to the RIR.

4.9 Groundwater Sampling

In accordance with EPA low-flow sampling protocols, the wells will be sampled one to two weeks following their development. Prior to sampling, an electronic interface meter will be used to measure water levels and a bailer will be used to measure any separate phase liquid. The purge water will be monitored for turbidity and water quality indicators [i.e., pH, dissolved oxygen, oxidation-reduction potential (ORP), temperature, and specific conductivity] with measurements collected approximately every five minutes. The criteria for stabilization will be three successive readings within ±10% for pH, temperature, and specific conductivity. Purge water displaying field evidence of contamination will be containerized in properly labeled, DOT-approved 55-gallon drums for off-site disposal at a permitted facility.

Groundwater samples slated for laboratory analysis will be placed in laboratory-supplied containers and shipped in accordance with appropriate EPA protocols to a NYSDOH ELAP-certified laboratory. The samples will be analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, total and dissolved TAL metals by EPA Method 6000/7000 series, cyanide by EPA Method 9012, PFAS by EPA Method 1633, and 1,4-Dioxane by EPA Method 8270 selected ion monitoring (SIM) using Category B deliverables. Groundwater samples will also be collected from four monitoring wells previously installed during AKRF's February 2023 Limited Subsurface (Phase II) Investigation.

Filtering will occur in the field. Sampling for emerging contaminants will be conducted in accordance with the June 2021 NYSDEC-issued sampling protocol, with the exception that a low-density polyethylene (LDPE) bladder will be used as no industry-approved high-density

polyethylene (HDPE) alternative currently exists. Well sampling details will be noted on groundwater sampling logs, included as an appendix to the RIR.

4.10 Soil Vapor Sampling

The temporary soil vapor points will be installed by advancing an expendable drive point using either a direct-push drilling rig, a slide hammer, or a hammer drill to the target sampling depth of approximately 2 feet above the water table. At each monitoring point, a 6-inch stainless steel screen implant connected to Teflon tubing will be installed by hand or through the drilling rods and threaded into the drive point. The sampling tubing will extend from the end of the screen to above grade. The push probe rods will then be removed and the boring will be backfilled with clean silica sand to 3 to 6 inches above the screen. Hydrated bentonite will be used to fill the remaining void around the sampling tubing to the ground surface.

Soil vapor samples RI-SV-01 through RI-SV-06 will be collected over a 2-hour time period from each monitoring point or location using a 6-Liter, batch-certified SUMMA® canister equipped with a vacuum gauge and flow regulator set at a maximum rate of 0.2 liter per minute.

Prior to sample collection, the sampling points will be purged of three sample volumes using a GilAir low-flow air sampling pump. During purging, a shroud will be placed over the sampling point and helium gas will be introduced to saturate the atmosphere around the sample port with helium gas. Purged vapors will be collected into a Tedlar™ bag and field-screened for organic vapors using a PID. The purged air will also be monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. If the purged soil vapor contains greater than 10% helium, additional bentonite will used to enhance the surface seal, and the point will be retested.

Following purging, a soil vapor sample will be collected using the vacuum from the SUMMA® canister. Immediately after opening the flow control valve equipped with a two-hour regulator, the initial SUMMA® canister vacuum (inches of mercury) will be noted. After two hours, the flow controller valve will be closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory. The soil vapor samples will be analyzed for VOCs by EPA Method TO-15 by a NYSDOH ELAP-certified laboratory with Category B deliverables. Samples will be shipped to the laboratory with appropriate COC documentation. The rationale for the proposed soil vapor samples is summarized in Table 5.

Table 5
Proposed Soil Vapor Sample Rationale

Vapor Point ID	Sample Location	Rationale
RI-SV-01	Northern	To determine concentrations of VOCs on the northern portion of the Site, determine if there is a potential vapor intrusion concern, and to support the QHHEA.
RI-SV-02	Southern central	To determine concentrations of VOCs on the southern central portion of the Site, evaluate the potential for off-site exposure to the south, and determine if there is a potential vapor intrusion concern for a new structure. To determine off-site conditions and support the QHHEA.
RI-SV-03	Northeastern	To determine concentrations of VOCs on the central northeastern of the Site, evaluate the potential for off-site exposure to the north, and determine if there is a potential vapor intrusion concern. To determine off-site conditions and support the QHHEA.

Table 5
Proposed Soil Vapor Sample Rationale

Vapor Point ID	Sample Location	Rationale
RI-SV-04	Eastern	To determine concentrations of VOCs on the eastern portion of the Site, and determine if there is a potential vapor intrusion concern.
RI-SV-05	Southeastern	To determine concentrations of VOCs on the southeastern portion of the Site, evaluate the potential for off-site exposure to the east, and determine if there is a potential vapor intrusion concern.
RI-SV-06	South central	To determine concentrations of VOCs on the south central portion of the Site, evaluate the potential for off-site exposure to the south, and determine if there is a vapor intrusion concern. To determine off-site conditions and support the QHHEA.

4.11 Quality Assurance/Quality Control (QA/QC)

The analytical results will be reported using Category B deliverables. As required by the Category B sampling techniques, additional analysis will be included for QC measures. The QA/QC samples for soil and groundwater will include one field blank, one trip blank, one matrix spike/matrix spike duplicate (MS/MSD), and one blind duplicate sample at a frequency of at least one sample per 20 field samples per media. The field blank, blind duplicate, and MS/MSD samples will be analyzed for the same analyte list as the accompanying field samples. The laboratory-prepared trip blanks will be submitted for analysis of VOCs only to determine the potential for cross-contamination. QA/QC samples accompanying the soil and groundwater samples will also be analyzed for PFAS by EPA Method 1633 and 1,4-dioxane by EPA Method 8270 (SIM analysis will be used for groundwater samples). Additionally, one equipment blank will be collected for each day of soil and groundwater sampling and analyzed for PFAS by EPA Method 1633 only.

Upon receipt of the analytical data from the laboratory, it will be reviewed by a third-party data validator, who will prepare a Data Usability summary Report (DUSR). The QAPP, included as Appendix B, describes the QA/QC protocols and procedures that will be followed during implementation of this RIWP.

4.12 Decontamination Procedures

All non-dedicated sampling equipment will be decontaminated between sampling locations using the following procedure:

1. Scrub equipment with a bristle brush using a tap water/Alconox® solution.
2. Rinse with tap water.
3. Scrub again with a bristle brush using a tap water/Alconox® solution.
4. Rinse with tap water.
5. Rinse with distilled water.
6. Air-dry the equipment.

Non-dedicated equipment used for soil and groundwater sampling of emerging contaminants will be decontaminated with laboratory-certified PFAS-free water.

4.13 Management of Investigation-Derived Waste (IDW)

IDW that does not exhibit field evidence of contamination will be used to backfill the corresponding borehole that generated it to within 12 inches of the surface. Soil IDW exhibiting evidence of gross contamination will be containerized in DOT-approved 55-gallon drums. All purge and development groundwater will be containerized in 55-gallon drums. The drums will be sealed at the end of each workday and labeled with the date, the well or boring number(s), the type of waste (i.e., drill cuttings, decontamination fluids, development water, or purge water), and the name of an AKRF point-of-contact. All drums will be labeled "pending analysis" until laboratory data is available. All boreholes will be restored after backfill. Handling of IDW and backfilling of boreholes will be conducted in accordance with Section 3.3(e) of DER-10. It is estimated that the IDW will remain on-site for no more than 90 days after it is generated.

5.0 REPORTING REQUIREMENTS

5.1 Remedial Investigation Report (RIR)

Upon completion of all field work and receipt of laboratory analytical results, an RIR will be prepared in compliance with Section 3.14 of DER-10 that will: document field activities; present field and laboratory data; evaluate exposure pathways in an exposure assessment; identify and characterize the source(s) of contamination; offer a summary of the overall nature and extent of contamination using the applicable standards, criteria, and guidance; and discuss conclusions and recommendations drawn from the results of the RI. The RIR will also include a summary of the laboratory analytical results collected during AKRF's 2015 Subsurface (Phase II) Investigation. A third-party data validator will review the 2015 Subsurface (Phase II) Investigation data and a DUSR will be prepared for the already completed testing.

5.1.1 Description of Field Activities

The RIR will include a section that describes the field methods used to characterize the Site conditions, including: sampling techniques; field screening equipment; drilling and excavation equipment; monitoring well installation procedures; and management of IDW. This section will also include descriptions of hydrogeologic factors of the Site.

5.1.2 Sediment Assessment

The RIR will include a section that presents field and laboratory data for any sediment samples collected from stormwater structures that are determined to be dry wells. The section will include a description of sediment characteristics and figures will be provided that illustrate dry well locations. Field and laboratory analytical results will be presented in the body of the report, summarized in tables and figures, and the detected concentrations will be compared to regulatory standards and/or guidance values. Category B deliverables will be provided by the laboratory and a third-party DUSR will be prepared and discussed.

5.1.3 Soil Assessment

The RIR will include a section that presents field and laboratory data for soil results. The section will include a description of soil characteristics and figures will be provided that illustrate soil boring locations. Field and laboratory analytical results will be presented in the body of the report, summarized in tables and figures, and the detected concentrations will be compared to regulatory standards and/or guidance values. Soil boring logs and laboratory analytical reports will be provided as attachments. Category B deliverables will be provided by the laboratory and a third-party DUSR will be prepared and discussed.

5.1.4 Groundwater Assessment

The RIR will include a section that presents field and laboratory data from the groundwater monitoring results. The section will include a description of groundwater characteristics and figures will be provided that illustrate monitoring well locations. Well survey data and water level measurements will be used to create a groundwater elevation contour map and determine the inferred groundwater flow direction. Field and laboratory analytical results will be presented and compared with regulatory standards and/or guidance values. Well construction, well development, and groundwater sampling logs, and laboratory analytical reports will be provided as attachments. Category B deliverables will be provided by the laboratory and a third-party DUSR will be prepared and discussed.

5.1.5 Soil Vapor Assessment

The RIR will include a section that presents field and laboratory data from the soil vapor results. The section will include a description of soil vapor characteristics. Figures will be provided that illustrate the soil vapor point locations. Field and laboratory analytical results will be presented and compared with regulatory standards and/or guidance values. Soil vapor logs and laboratory analytical reports will be provided as attachments. Category B deliverables will be provided by the laboratory and a third-party DUSR will be prepared and discussed.

5.1.6 Qualitative Human Health Exposure Assessment (QHHEA)

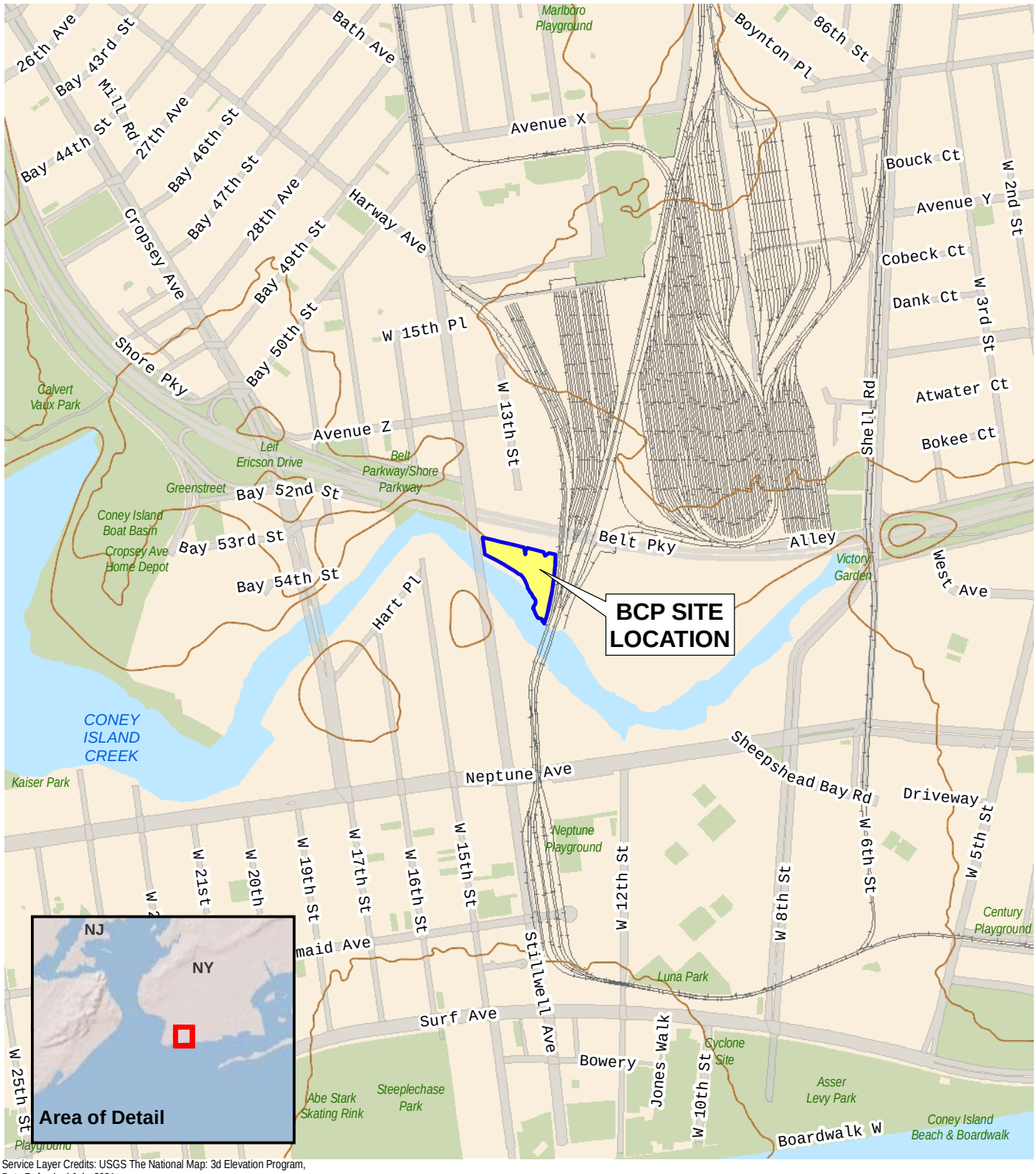
The RIR will include a QHHEA, which will be performed in accordance with DER-10 Section 3.3(c)4 and Appendix 3B.

6.0 PROPOSED PROJECT SCHEDULE

Table 5
Proposed Project Schedule

Task	Time to Complete
Preparation and Submittal of Brownfield Cleanup Program (BCP) Application and Draft Remedial Investigation Work Plan (RIWP) to NYSDEC	October 2022
NYSDEC 30-Day Completeness Review	November 2022
Update BCP application and 30-Day Public Comment Period for BCP Application and RIWP/Distribute Fact Sheet	December 2022
NYSDEC Executes Brownfield Cleanup Agreement (BCA)	March 2023
Submittal of Community Participation Plan (CPP)	March 2023
NYSDEC Issues Comments on Draft RIWP	April 2023
Final RIWP issued to NYSDEC	May 2023
NYSDEC Approval of RIWP	May 2023
Conduct Remedial Investigation (RI) Field Work	May 2023
Preparation and Submittal of Draft RI Report (RIR) to NYSDEC	July 2023
NYSDEC Review of Draft RIR	July-August 2023
Preparation and Submittal of Draft Remedial Action Work Plan (RAWP)	August-September 2023
NYSDEC Review of Draft RAWP	September-October 2023
Finalize RIR and RAWP and Distribute Fact Sheet/45-day Public Comment Period	November 2023
Begin Redevelopment (Construction) with Implementation of RAWP	January 2024
Draft Final Engineering Report (FER), Site Management Plan (SMP), and Fact Sheet	August 2024
NYSDEC Review of Draft FER and SMP	September 2024
Finalize FER and SMP to Address any NYSDEC Comments	October 2024
NYSDEC Issues Certificate of Completion and Fact Sheet	December 2024

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 800 1,600

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

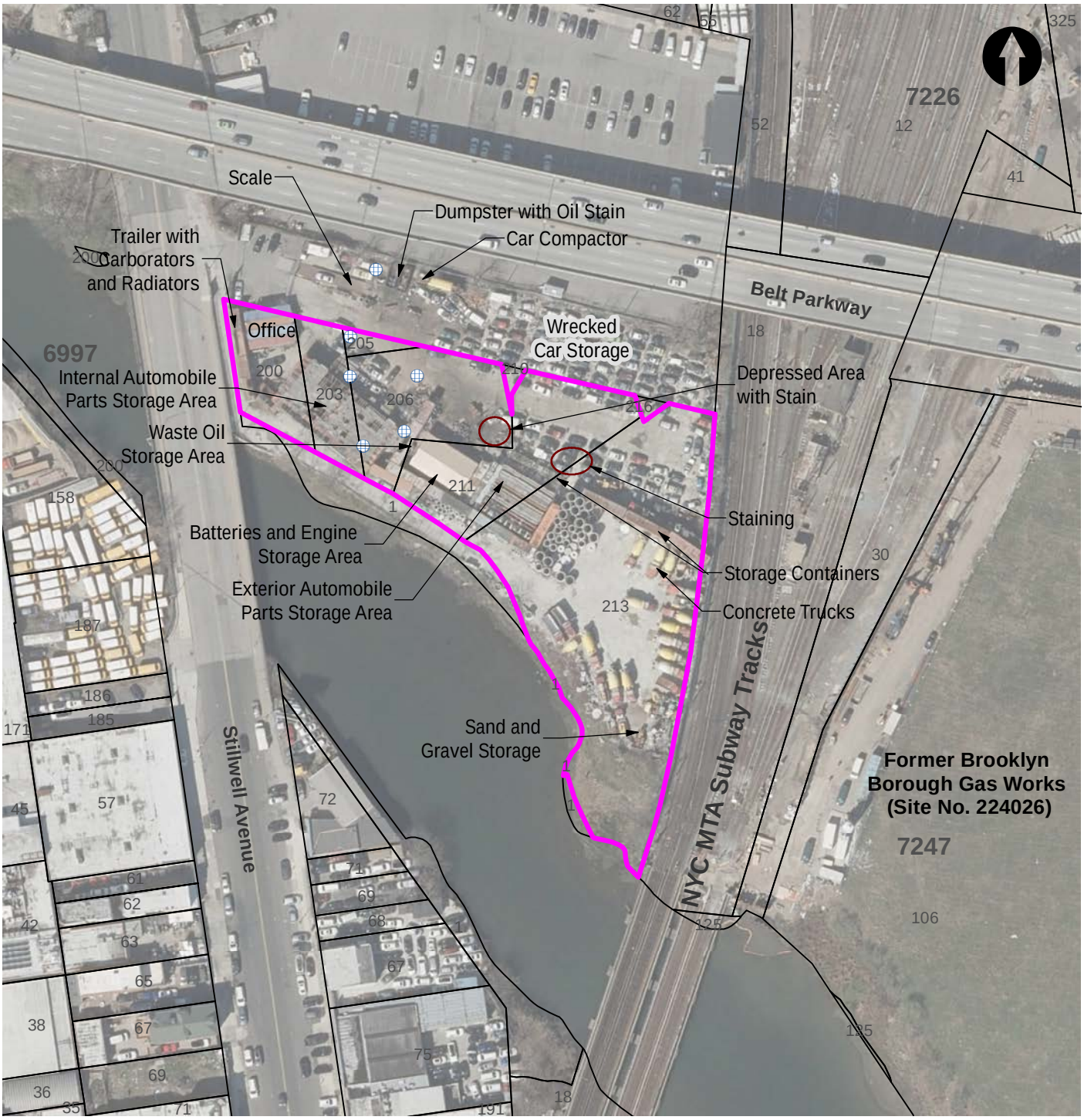
2647 Stillwell Avenue
Brooklyn, New York

BCP SITE LOCATION

DATE
9/27/2022

PROJECT NO.
220241

FIGURE
1



LEGEND

- PROJECT SITE BOUNDARY
- 213 LOT BOUNDARY AND TAX LOT NUMBER
- 7247 BLOCK NUMBER
- CATCH BASIN/DRYWELL

Aerial Source:
2020 New York State ITS GIS Orthoimagery.

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

0 125 250
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

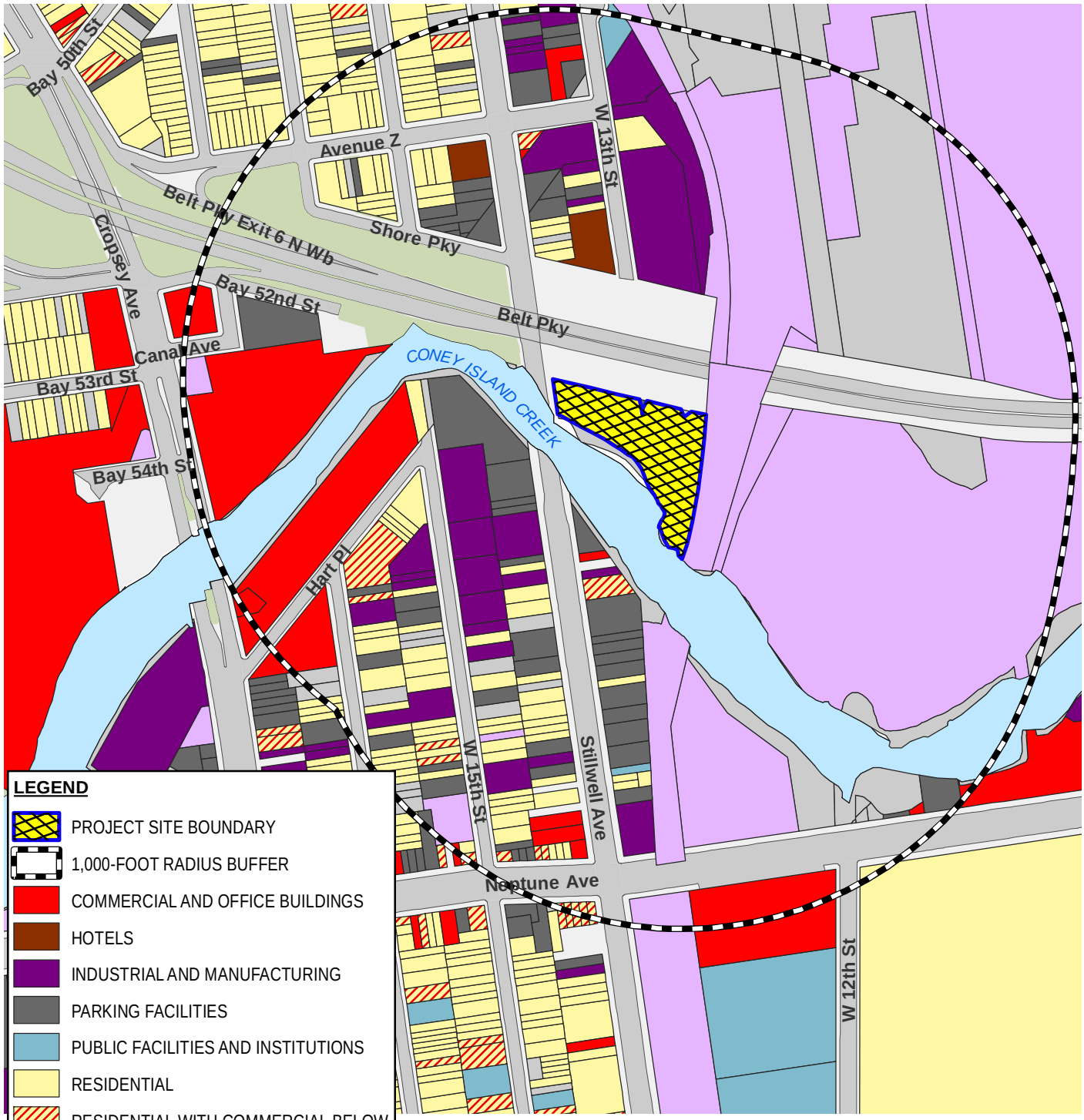
2647 Stillwell Avenue
Brooklyn, New York

SITE PLAN

DATE
5/5/2023

PROJECT NO.
220241

FIGURE
2



LEGEND

- PROJECT SITE BOUNDARY
- 1,000-FOOT RADIUS BUFFER
- COMMERCIAL AND OFFICE BUILDINGS
- HOTELS
- INDUSTRIAL AND MANUFACTURING
- PARKING FACILITIES
- PUBLIC FACILITIES AND INSTITUTIONS
- RESIDENTIAL
- RESIDENTIAL WITH COMMERCIAL BELOW
- TRANSPORTATION AND UTILITY
- VACANT LAND
- VACANT BUILDING
- UNDER CONSTRUCTION
- OPEN SPACE
- HYDROGRAPHY - WATER

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

0 400 800
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

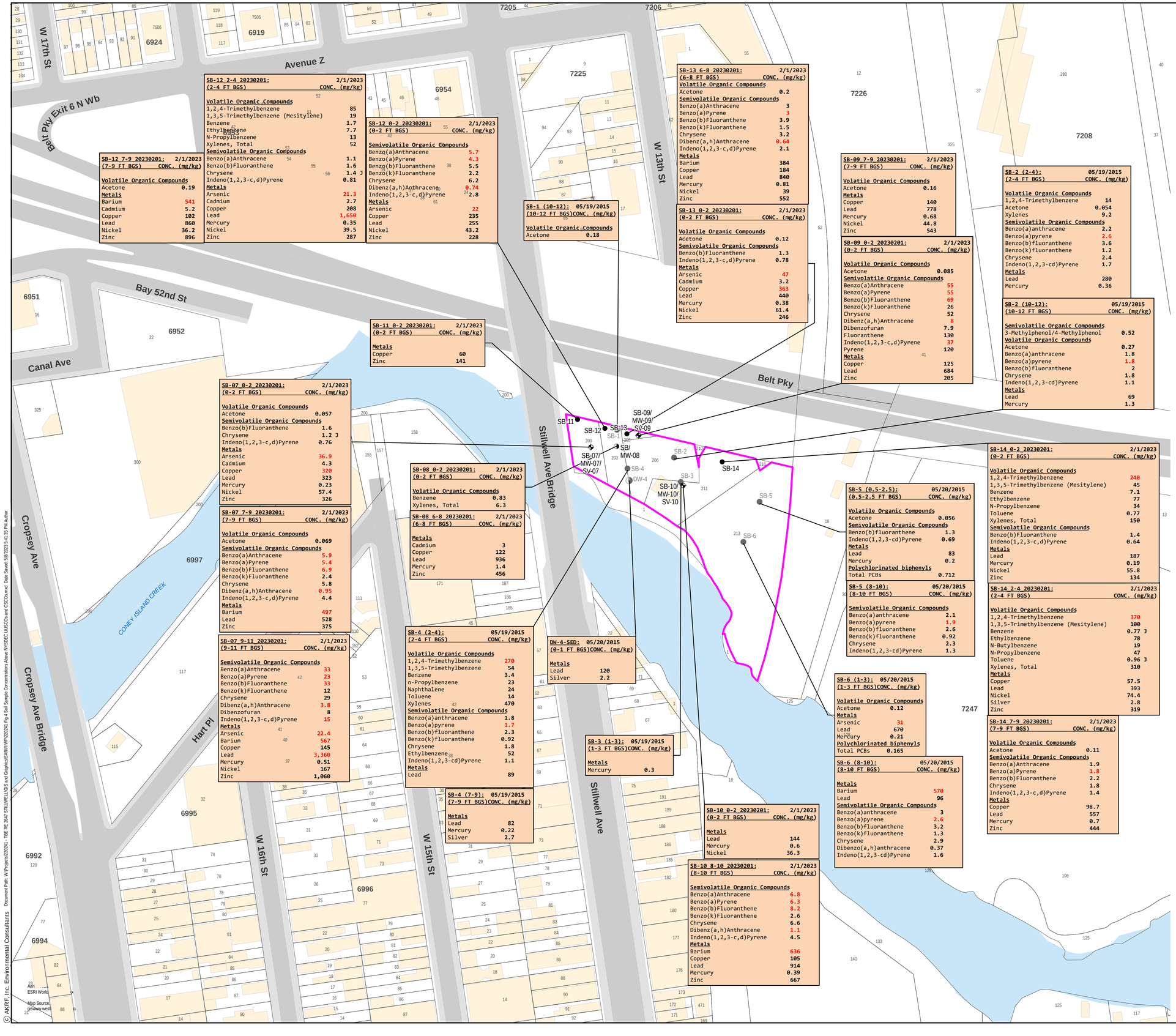
2647 Stillwell Avenue
Brooklyn, New York

SURROUNDING LAND USE

DATE
10/7/2022

PROJECT NO.
220241

FIGURE
3



SB-12 2-4 20230201: 2/1/2023 (2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	85
1,3,5-Trimethylbenzene (Mesitylene)	19
Benzene	1.7
Ethylbenzene	7.7
N-Propylbenzene	13
Xylenes, Total	52
Semivolatile Organic Compounds	
Benzo(a)Anthracene	1.1
Benzo(b)Fluoranthene	1.6
Chrysene	1.4 J
Indeno(1,2,3-c,d)Pyrene	0.81
Metals	
Arsenic	21.3
Cadmium	2.7
Copper	208
Lead	1,658
Mercury	0.35
Nickel	39.5
Zinc	287

SB-12 7-9 20230201: 2/1/2023 (7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.19
Metals	
Barium	541
Cadmium	5.2
Copper	102
Lead	860
Nickel	36.2
Zinc	896

SB-12 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	5.7
Benzo(a)Pyrene	4.3
Benzo(b)Fluoranthene	5.5
Benzo(k)Fluoranthene	2.2
Chrysene	6.2
Dibenz(a,h)Anthracene	0.74
Indeno(1,2,3-c,d)Pyrene	2.8
Metals	
Arsenic	22
Copper	235
Lead	255
Nickel	43.2
Zinc	228

SB-1 (10-12): 05/19/2015 (10-12 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.18

SB-13 6-8 20230201: 2/1/2023 (6-8 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.2
Semivolatile Organic Compounds	
Benzo(a)Anthracene	3
Benzo(a)Pyrene	3
Benzo(b)Fluoranthene	3.9
Benzo(k)Fluoranthene	1.5
Chrysene	3.2
Dibenz(a,h)Anthracene	0.64
Indeno(1,2,3-c,d)Pyrene	2.1
Metals	
Barium	384
Copper	184
Lead	840
Mercury	0.81
Nickel	39
Zinc	552

SB-13 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.12
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.3
Indeno(1,2,3-c,d)Pyrene	0.78
Metals	
Arsenic	47
Cadmium	3.2
Copper	363
Lead	440
Mercury	0.38
Nickel	61.4
Zinc	246

SB-09 7-9 20230201: 2/1/2023 (7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.16
Metals	
Copper	140
Lead	778
Mercury	0.68
Nickel	44.8
Zinc	543

SB-09 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.085
Semivolatile Organic Compounds	
Benzo(a)Anthracene	55
Benzo(a)Pyrene	55
Benzo(b)Fluoranthene	69
Benzo(k)Fluoranthene	26
Chrysene	52
Dibenz(a,h)Anthracene	8
Dibenzofuran	7.9
Fluoranthene	130
Indeno(1,2,3-c,d)Pyrene	37
Pyrene	120
Metals	
Copper	125
Lead	684
Zinc	205

SB-2 (2-4): 05/19/2015 (2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	14
Acetone	0.054
Xylenes	9.2
Semivolatile Organic Compounds	
Benzo(a)anthracene	2.2
Benzo(a)pyrene	2.6
Benzo(b)fluoranthene	3.6
Benzo(k)fluoranthene	1.2
Chrysene	2.4
Indeno(1,2,3-cd)Pyrene	1.7
Metals	
Lead	280
Mercury	0.36

SB-2 (10-12): 05/19/2015 (10-12 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
3-Methylphenol/4-Methylphenol	0.52
Volatile Organic Compounds	
Acetone	0.27
Benzo(a)anthracene	1.8
Benzo(a)pyrene	1.8
Benzo(b)fluoranthene	2
Chrysene	1.8
Indeno(1,2,3-cd)Pyrene	1.1
Metals	
Lead	69
Mercury	1.3

SB-11 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Metals	
Copper	60
Zinc	141

SB-07 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.057
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.6
Chrysene	1.2 J
Indeno(1,2,3-c,d)Pyrene	0.76
Metals	
Arsenic	36.9
Cadmium	4.3
Copper	320
Lead	323
Mercury	0.23
Nickel	57.4
Zinc	326

SB-07 7-9 20230201: 2/1/2023 (7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.069
Semivolatile Organic Compounds	
Benzo(a)Anthracene	5.9
Benzo(a)Pyrene	5.4
Benzo(b)Fluoranthene	6.9
Benzo(k)Fluoranthene	2.4
Chrysene	5.8
Dibenz(a,h)Anthracene	0.95
Indeno(1,2,3-c,d)Pyrene	4.4
Metals	
Barium	497
Lead	528
Zinc	375

SB-07 9-11 20230201: 2/1/2023 (9-11 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	33
Benzo(a)Pyrene	23
Benzo(b)Fluoranthene	33
Benzo(k)Fluoranthene	12
Chrysene	29
Dibenz(a,h)Anthracene	3.8
Dibenzofuran	8
Indeno(1,2,3-c,d)Pyrene	15
Metals	
Arsenic	22.4
Barium	567
Copper	145
Lead	3,360
Mercury	0.51
Nickel	167
Zinc	1,060

SB-08 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Benzene	0.83
Xylenes, Total	6.3

SB-08 6-8 20230201: 2/1/2023 (6-8 FT BGS) CONC. (mg/kg)

Metals	
Cadmium	3
Copper	122
Lead	936
Mercury	1.4
Zinc	456

SB-4 (2-4): 05/19/2015 (2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	270
1,3,5-Trimethylbenzene	54
Benzene	3.4
n-Propylbenzene	23
Naphthalene	24
Toluene	14
Xylenes	470
Semivolatile Organic Compounds	
Benzo(a)anthracene	1.8
Benzo(a)pyrene	1.7
Benzo(b)fluoranthene	2.3
Benzo(k)fluoranthene	0.92
Chrysene	1.8
Ethylbenzene	52
Indeno(1,2,3-cd)Pyrene	1.1
Metals	
Lead	89

SB-4 (7-9): 05/19/2015 (7-9 FT BGS) CONC. (mg/kg)

Metals	
Lead	82
Mercury	0.22
Silver	2.7

DW-4-SED: 05/20/2015 (0-1 FT BGS) CONC. (mg/kg)

Metals	
Lead	120
Silver	2.2

SB-3 (1-3): 05/19/2015 (1-3 FT BGS) CONC. (mg/kg)

Metals	
Mercury	0.3

SB-10 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Metals	
Lead	144
Mercury	0.6
Nickel	36.3

SB-10 8-10 20230201: 2/1/2023 (8-10 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	6.8
Benzo(a)Pyrene	6.3
Benzo(b)Fluoranthene	8.2
Benzo(k)Fluoranthene	2.6
Chrysene	6.6
Dibenz(a,h)Anthracene	1.1
Indeno(1,2,3-c,d)Pyrene	4.5
Metals	
Barium	636
Copper	105
Lead	914
Mercury	0.39
Zinc	667

SB-14 0-2 20230201: 2/1/2023 (0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	240
1,3,5-Trimethylbenzene (Mesitylene)	45
Benzene	7.1
Ethylbenzene	77
N-Propylbenzene	34
Toluene	0.77
Xylenes, Total	150
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.4
Indeno(1,2,3-c,d)Pyrene	0.64
Metals	
Lead	187
Mercury	0.19
Nickel	55.8
Zinc	134

SB-14 2-4 20230201: 2/1/2023 (2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	370
1,3,5-Trimethylbenzene (Mesitylene)	100
Benzene	0.77 J
Ethylbenzene	78
N-Butylbenzene	19
N-Propylbenzene	47
Toluene	0.96 J
Xylenes, Total	310
Metals	
Copper	57.5
Lead	393
Nickel	74.4
Silver	2.8
Zinc	319

SB-14 7-9 20230201: 2/1/2023 (7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.11
Semivolatile Organic Compounds	
Benzo(a)Anthracene	1.9
Benzo(a)Pyrene	1.8
Benzo(b)Fluoranthene	2.2
Chrysene	1.8
Indeno(1,2,3-c,d)Pyrene	1.4
Metals	
Copper	98.7
Lead	557
Mercury	0.7
Zinc	444

SB-5 (0.5-2.5): 05/20/2015 (0.5-2.5 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.056
Semivolatile Organic Compounds	
Benzo(b)fluoranthene	1.3
Indeno(1,2,3-cd)Pyrene	0.69
Metals	
Lead	83
Mercury	0.2
Polychlorinated biphenyls	
Total PCBs	0.712

SB-5 (8-10): 05/20/2015 (8-10 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)anthracene	2.1
Benzo(a)pyrene	1.9
Benzo(b)fluoranthene	2.6
Benzo(k)fluoranthene	0.92
Chrysene	2.3
Indeno(1,2,3-cd)Pyrene	1.3

SB-6 (1-3): 05/20/2015 (1-3 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.12
Metals	
Arsenic	31
Lead	670
Mercury	0.21
Polychlorinated biphenyls	
Total PCBs	0.165

SB-6 (8-10): 05/20/2015 (8-10 FT BGS) CONC. (mg/kg)

Metals	
Barium	570
Lead	96
Semivolatile Organic Compounds	
Benzo(a)anthracene	3
Benzo(a)pyrene	2.6
Benzo(b)fluoranthene	3.2
Benzo(k)fluoranthene	1.3
Chrysene	2.9
Dibenzo(a,h)anthracene	0.37
Indeno(1,2,3-cd)Pyrene	1.6

LEGEND

- PROJECT SITE BOUNDARY
- 213 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- BUILDING
- 2015 SOIL BORING LOCATION
- 2015 DRYWELL LOCATION
- 2023 PHASE II SOIL BORING LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT

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

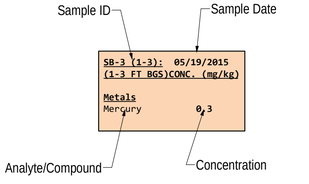
Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Commercial Soil Cleanup Objectives (CSCOs) are presented in red.

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

J: The concentration given is an estimated value.

	PART 375 COMMERCIAL	PART 375 UNRESTRICTED
	mg/kg	mg/kg
Volatile Organic Compounds		
1,2,4-Trimethylbenzene	190	3.6
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4
Acetone	500	0.05
Benzene	44	0.06
Ethylbenzene	390	1
Naphthalene	500	12
N-Butylbenzene	500	12
N-Propylbenzene	500	3.9
Toluene	500	0.7
Xylenes, Total	500	0.26
Semivolatile Organic Compounds		
3-Methylphenol (M-Cresol)	500	0.33
Benzo(a)Anthracene	5.6	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	5.6	1
Benzo(k)Fluoranthene	56	0.8
Chrysene	56	1
Dibenz(a,h)Anthracene	0.56	0.33
Dibenzofuran	350	7
Fluoranthene	500	100
Indeno(1,2,3-c,d)Pyrene	5.6	0.5
Pyrene	500	100
PCBs		
Total PCBs	1	0.1
Metals		
Arsenic	16	13
Barium	400	350
Cadmium	9.3	2.5
Copper	270	50
Lead	1000	63
Mercury	2.8	0.18
Nickel	310	30
Silver	1,500	2
Zinc	10,000	109



0 40 80 160
SCALE IN FEET

SOIL EXCEEDANCES ABOVE UUSCOs AND CSCOs

2647 Stillwell Avenue
Brooklyn, New York

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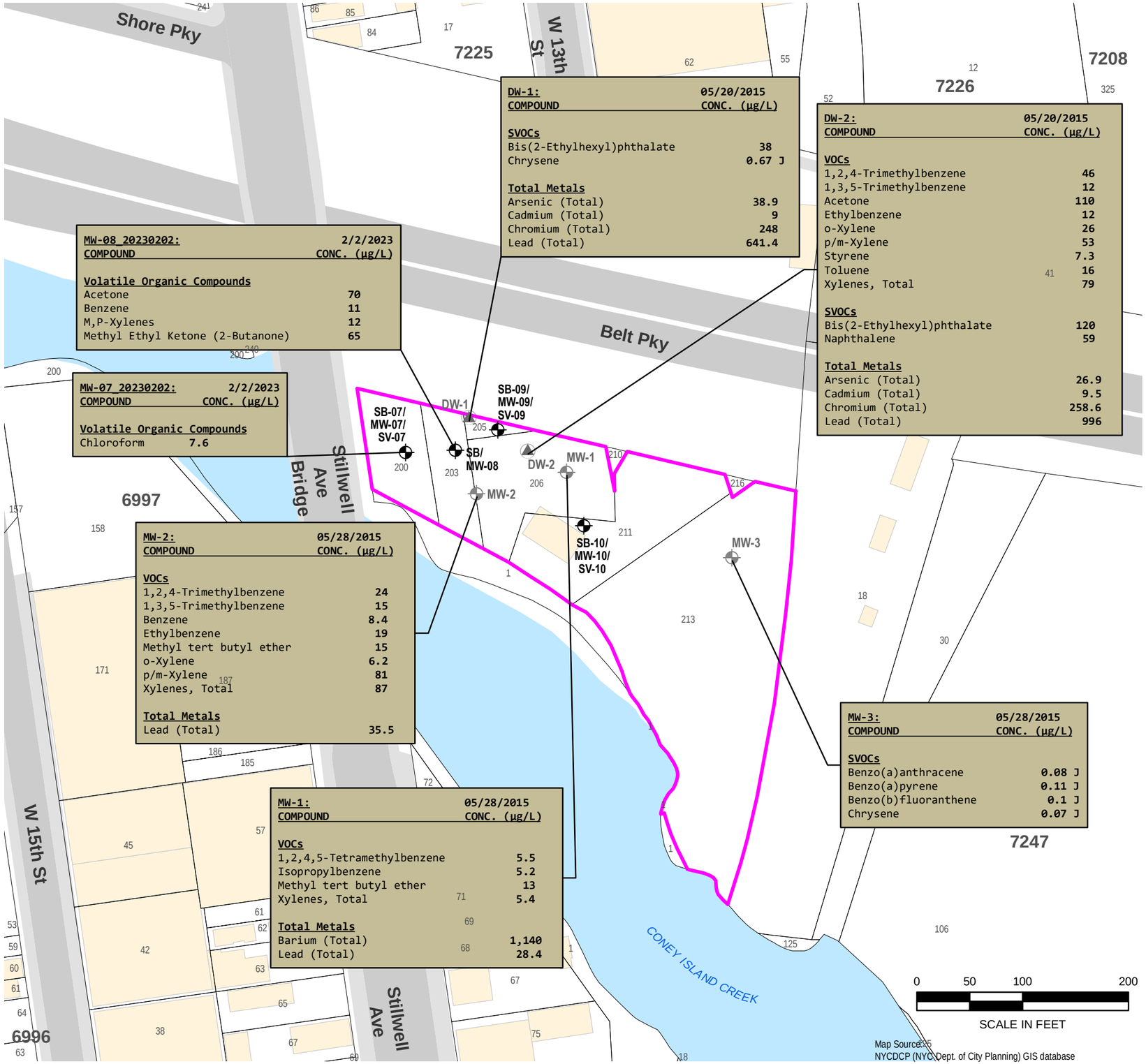
440 Park Avenue South, New York, NY 10016

DATE
5/8/2023

PROJECT NO.
220241

FIGURE
4



DW-1: 05/20/2015

COMPOUND	CONC. (µg/L)
SVOCs	
Bis(2-Ethylhexyl)phthalate	**38**
Chrysene	**0.67 J**
Total Metals	
Arsenic (Total)	**38.9**
Cadmium (Total)	**9**
Chromium (Total)	**248**
Lead (Total)	**641.4**

DW-2: 05/20/2015

COMPOUND	CONC. (µg/L)
VOCs	
1,2,4-Trimethylbenzene	**46**
1,3,5-Trimethylbenzene	**12**
Acetone	**110**
Ethylbenzene	**12**
o-Xylene	**26**
p/m-Xylene	**53**
Styrene	**7.3**
Toluene	**16**
Xylenes, Total	**79**
SVOCs	
Bis(2-Ethylhexyl)phthalate	**120**
Naphthalene	**59**
Total Metals	
Arsenic (Total)	**26.9**
Cadmium (Total)	**9.5**
Chromium (Total)	**258.6**
Lead (Total)	**996**

MW-08 20230202: 2/2/2023

COMPOUND	CONC. (µg/L)
Volatile Organic Compounds	
Acetone	**70**
Benzene	**11**
M,P-Xylenes	**12**
Methyl Ethyl Ketone (2-Butanone)	**65**

MW-07 20230202: 2/2/2023

COMPOUND	CONC. (µg/L)
Volatile Organic Compounds	
Chloroform	**7.6**

MW-2: 05/28/2015

COMPOUND	CONC. (µg/L)
VOCs	
1,2,4-Trimethylbenzene	**24**
1,3,5-Trimethylbenzene	**15**
Benzene	**8.4**
Ethylbenzene	**19**
Methyl tert butyl ether	**15**
o-Xylene	**6.2**
p/m-Xylene	**81**
Xylenes, Total	**87**
Total Metals	
Lead (Total)	**35.5**

MW-1: 05/28/2015

COMPOUND	CONC. (µg/L)
VOCs	
1,2,4,5-Tetramethylbenzene	**5.5**
Isopropylbenzene	**5.2**
Methyl tert butyl ether	**13**
Xylenes, Total	**5.4**
Total Metals	
Barium (Total)	**1,140**
Lead (Total)	**28.4**

MW-3: 05/28/2015

COMPOUND	CONC. (µg/L)
SVOCs	
Benzo(a)anthracene	**0.08 J**
Benzo(a)pyrene	**0.11 J**
Benzo(b)fluoranthene	**0.1 J**
Chrysene	**0.07 J**

LEGEND

- PROJECT SITE BOUNDARY
- 211 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- BUILDING
- 2015 MONITORING WELL LOCATION
- 2015 DRYWELL LOCATION
- 2023 PHASE II MONITORING WELL LOCATION

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):

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

J: The concentration given is an estimated value.

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

	AWQSGVs ug/L
Volatile Organic Compounds	
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Acetone	50
Benzene	1
Ethylbenzene	5
Isopropylbenzene	5
Methyl tert butyl ether	10
o-Xylene	5
p/m-Xylene	5
Styrene	5
Toluene	5
Xylenes, Total	5
Semivolatile Organic Compounds	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Bis(2-Ethylhexyl)phthalate	5
Chrysene	0.002
Naphthalene	10
Metals	
Arsenic	25
Barium	1000
Cadmium	5
Chromium	50
Lead	25

Sample ID — Sample Date

MW-3: 05/28/2015

COMPOUND	CONC. (µg/L)
SVOCs	
Benzo(a)anthracene	**0.08 J**
Benzo(a)pyrene	**0.11 J**
Benzo(b)fluoranthene	**0.1 J**
Chrysene	**0.07 J**

Analyte/Compound — Concentration

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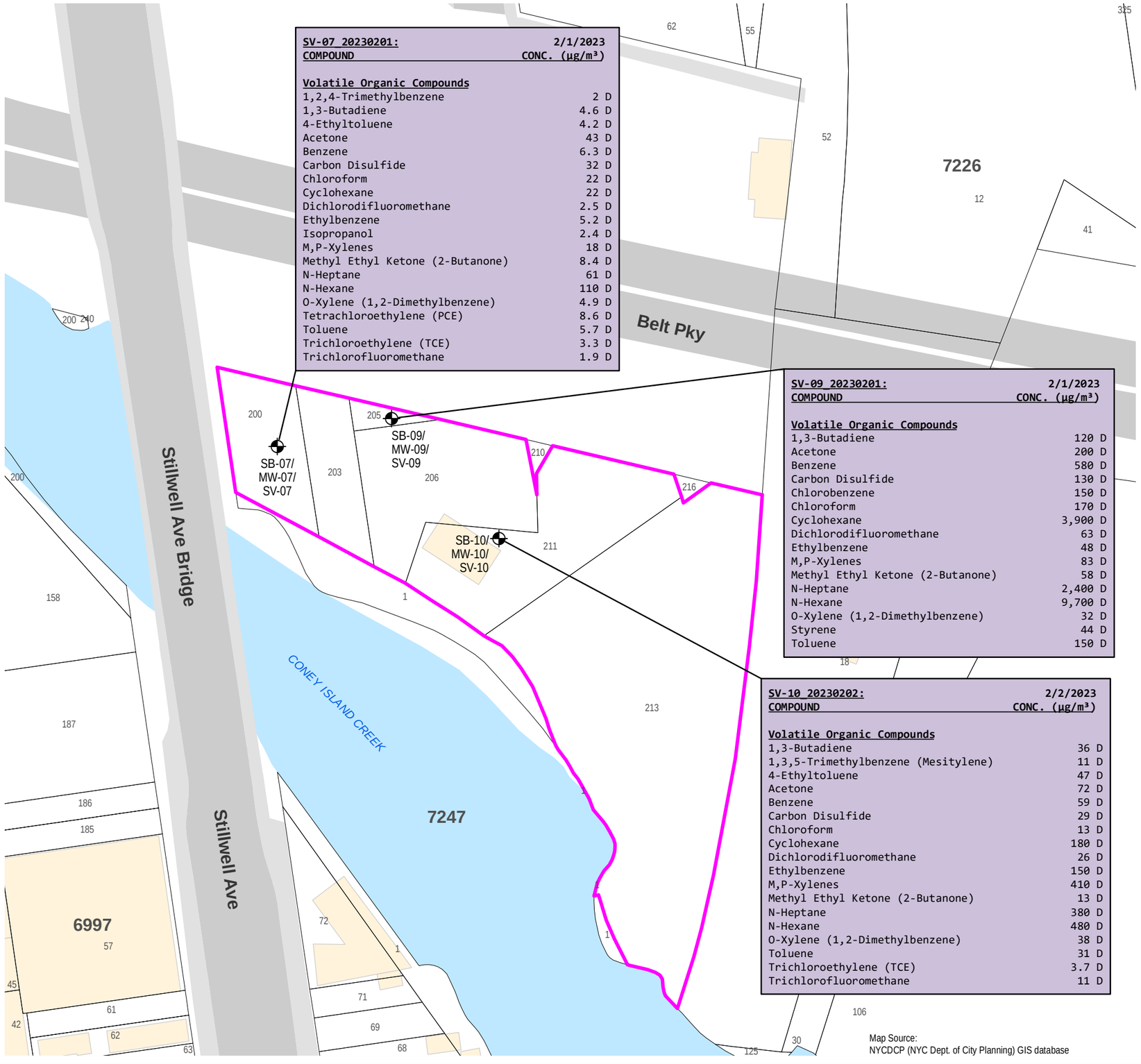
GROUNDWATER EXCEEDANCES ABOVE AWQSGVs

DATE
5/8/2023

PROJECT NO.
220241

FIGURE
5



SV-07_20230201: COMPOUND	2/1/2023 CONC. (µg/m³)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	2 D
1,3-Butadiene	4.6 D
4-Ethyltoluene	4.2 D
Acetone	43 D
Benzene	6.3 D
Carbon Disulfide	32 D
Chloroform	22 D
Cyclohexane	22 D
Dichlorodifluoromethane	2.5 D
Ethylbenzene	5.2 D
Isopropanol	2.4 D
M,P-Xylenes	18 D
Methyl Ethyl Ketone (2-Butanone)	8.4 D
N-Heptane	61 D
N-Hexane	110 D
O-Xylene (1,2-Dimethylbenzene)	4.9 D
Tetrachloroethylene (PCE)	8.6 D
Toluene	5.7 D
Trichloroethylene (TCE)	3.3 D
Trichlorofluoromethane	1.9 D

SV-09_20230201: COMPOUND	2/1/2023 CONC. (µg/m³)
Volatile Organic Compounds	
1,3-Butadiene	120 D
Acetone	200 D
Benzene	580 D
Carbon Disulfide	130 D
Chlorobenzene	150 D
Chloroform	170 D
Cyclohexane	3,900 D
Dichlorodifluoromethane	63 D
Ethylbenzene	48 D
M,P-Xylenes	83 D
Methyl Ethyl Ketone (2-Butanone)	58 D
N-Heptane	2,400 D
N-Hexane	9,700 D
O-Xylene (1,2-Dimethylbenzene)	32 D
Styrene	44 D
Toluene	150 D

SV-10_20230202: COMPOUND	2/2/2023 CONC. (µg/m³)
Volatile Organic Compounds	
1,3-Butadiene	36 D
1,3,5-Trimethylbenzene (Mesitylene)	11 D
4-Ethyltoluene	47 D
Acetone	72 D
Benzene	59 D
Carbon Disulfide	29 D
Chloroform	13 D
Cyclohexane	180 D
Dichlorodifluoromethane	26 D
Ethylbenzene	150 D
M,P-Xylenes	410 D
Methyl Ethyl Ketone (2-Butanone)	13 D
N-Heptane	380 D
N-Hexane	480 D
O-Xylene (1,2-Dimethylbenzene)	38 D
Toluene	31 D
Trichloroethylene (TCE)	3.7 D
Trichlorofluoromethane	11 D

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

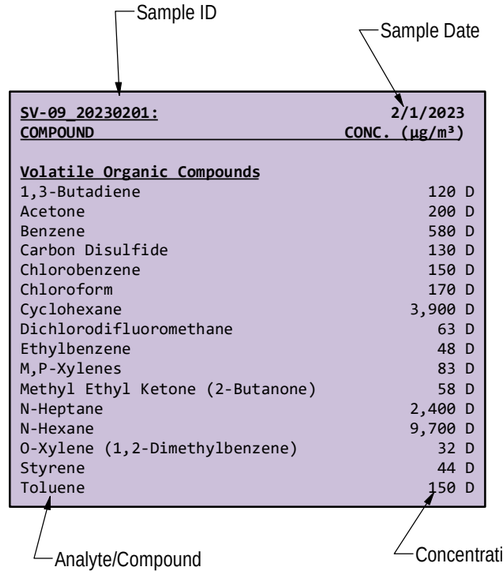
LEGEND

- PROJECT SITE BOUNDARY
- 211 LOT BOUNDARY AND TAX LOT
- 7247 BLOCK NUMBER
- BUILDING
- 2023 PHASE II SOIL VAPOR POINT LOCATIONS

SOIL VAPOR

µg/m³- micrograms per cubic meter

D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.



0 40 80 160
SCALE IN FEET

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Brooklyn, New York

SOIL VAPOR DETECTIONS

DATE
5/5/2023

PROJECT NO.
220241

FIGURE
6

LEGEND

- PROJECT SITE BOUNDARY
- 213 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- 2015 PHASE II SOIL BORING LOCATION
- 2015 PHASE II MONITORING WELL LOCATION
- CATCH BASIN/DRYWELL LOCATION
- 2023 PHASE II SOIL BORING LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT
- PROPOSED RI SOIL BORING LOCATION
- PROPOSE RI SOIL BORING/MONITORING WELL LOCATION
- PROPOSED RI SOIL VAPOR POINT LOCATION

0 60 120
SCALE IN FEET

Aerial Source:
2020 New York State ITS GIS Orthoimagery.

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

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Brooklyn, New York

PROPOSED SAMPLING PLAN

DATE
5/8/2023

PROJECT NO.
220241

APPENDIX
7

APPENDIX A
SITE SURVEY

NOTES:

1. PROPERTY KNOWN AND DESIGNATED AS LOTS 200, 203, 205, 206, 211 & 213, BLOCK 7247 AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP WITH AN EFFECTIVE DATE OF 07/23/2019.

2. AREA: 81,535± S.F. OR 1.8718± AC.

3. THE LOCATION OF UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.

4. **THIS SURVEY WAS PREPARED WITH REFERENCE A TITLE COMMITMENT REPORT PREPARED BY KENSINGTON VANGUARD NATIONAL LAND SERVICES OF NY, LLC, AGENT FOR STEWART TITLE INSURANCE COMPANY, TITLE NO. 5120777-S-NY-MP-MSC, HAVING AN EFFECTIVE DATE OF MAY 13, 2022 WHERE THE FOLLOWING SURVEY RELATED ITEMS APPEAR IN SCHEDULE B:**

   (5) SEWER DRAINAGE MAPS FILED RECORDED IN JANUARY 26, 1977 **[MAP NOT PROVIDED, NOT REVIEWED]**

   (6) DECLARATION OF ZONING LOT RESTRICTIONS RECORDED FEBRUARY 18, 2010 AS CRFN 2010000056330 **[BLANKET, NOT PLOTTABLE]**

   (7) POLICY WILL EXCEPT ANY LOSS OR DAMAGE BY REASON OF THE COVENANT CONTAINED IN THE DEED GIVEN BY THE CITY OF NEW YORK DECEMBER 28, 1977 RECORDED IN REEL 967, PAGE 80, (LOT 211), WHICH LIMITS ANY CONDEMNATION AWARD TO $1.00 FOR A TAKING OF A PORTION OF THE PREMISES LYING IN THE BED OF ANY STREET ABUTTING THE PREMISES, AS SHOWN ON THE PRESENT CITY MAP **[BLANKET, NOT PLOTTABLE]**

   (8) POLICY WILL EXCEPT ANY LOSS OR DAMAGE BY REASON OF THE COVENANT CONTAINED IN THE DEED GIVEN BY THE CITY OF NEW YORK JULY 28, 1976 RECORDED IN REEL 861, PAGE 1843, (LOT 213), WHICH LIMITS ANY CONDEMNATION AWARD TO $1.00 FOR A TAKING OF A PORTION OF THE PREMISES LYING IN THE BED OF ANY STREET ABUTTING THE PREMISES, AS SHOWN ON THE PRESENT CITY MAP **[BLANKET, NOT PLOTTABLE]**

   (9) NO TITLE IS INSURED TO ANY LAND LYING BELOW THE HIGH WATER LINE OF CONEY ISLAND CREEK , ITS ARMS, BRANCHES AND TRIBUTARIES BY WHATEVER NAME CALLED, AS THE SAME NOW EXISTS OR FORMERLY EXISTED **[BLANKET, NOT PLOTTABLE]**

   (10) EXCEPT THE RIGHTS OF THE UNITED STATES GOVERNMENT, THE STATE OF NEW YORK AND THE CITY OF NEW YORK OR ANY OF THEIR DEPARTMENTS OR AGENCIES TO REGULATE AND CONTROL THE USE OF THE PIERS, BULKHEAD, LAND UNDER WATER AND LAND ADJACENT THERETO **[BLANKET, NOT PLOTTABLE]**

   (11) VARIATIONS BETWEEN TAX MAP AND RECORD DESCRIPTION **[BLANKET STATEMENT BY TITLE COMPANY]**

5. BY GRAPHIC PLOTTING, PROPERTY IS PARTIALLY LOCATED IN FLOOD HAZARD ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD) AND PARTIALLY LOCATED IN FLOOD HAZARD ZONE AE (SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1 % ANNUAL CHANCE FLOOD, HAVING A BASE FLOOD ELEVATION OF 10 IN NGVD 29 DATUM (ELEVATION 9 IN NAVD 88 DATUM) AS IDENTIFIED ON NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP (FIRM) NO. 3604970353F. MAP REVISED SEPTEMBER 5, 2007.

   PRELIMINARY FLOOD MAP 3604970353G, DATED JANUARY 30, 2015 HAS THE PROPERTY ALSO BEING PARTIALLY LOCATED IN FLOOD HAZARD ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD) AND PARTIALLY LOCATED IN FLOOD HAZARD ZONE AE, HAVING A BASE FLOOD ELEVATION OF 11 IN NAVD 88 DATUM.

6. THE LOCATION AND EXTENTS OF UNDERGROUND VAULTS & TANKS, IF ANY EXIST, HAVE NOT BEEN DETERMINED BY THE SURVEYOR.

7. FILED MAP LOT LINES SHOWN PER REFERENCE MAP NO. 2 AND TITLE REPORT AND FURTHER REFER TO A MAP ENTITLED "AMENDED MAP OF SOUTH PART OF OCEAN PARK, PROPERTY OF THE LOWER BAY VIEW REALTY CO., E.W. LISTER, C.E. & L.S., FILED IN THE REGISTERS OFFICE OF THE COUNTY OF KINGS ON 12/29/1909 AS MAP #1112B, MAP NOT PROVIDED BY THE TITLE COMPANY.

8. SITE IS UTILIZED AS A SALVAGE YARD AND AREA FOR STORAGE MATERIALS. ACCESS WAS LIMITED.

9. **APPROXIMATELY 55 FEET OF THE AREA TO THE NORTH IS BEING UTILIZED BY THE SALVAGE AREA AND ENCROACHES ONTO THE LANDS OF THE BELT PARKWAY.**

   ADDITIONALLY, APPROXIMATELY 22'± FEET OF THE AREA TO THE SOUTH (DRIVE AREA) IS BEING UTILIZED BY THE CONCRETE YARD AND ENCROACHES ONTO LOT 1, BLOCK 7247 (CONEY ISLAND CREEK).

10. THERE ARE 9 PARKING SPACES, 8 OF WHICH ARE LOCATED WITHIN THE BELT PARKWAY RIGHT OF WAY.

REFERENCES:

1. BOROUGH OF BROOKLYN, BOROUGH PRESIDENTS OFFICE, TOPOGRAPHICAL BUREAU, FINAL SECTION MAP #109, DATED 3/24/1977.

2. SURVEY OF BLOCK 7247, LOTS 200, 203, 205, 206, 211, 213, PREPARED BY McELROY & EATON, LAND SURVEYORS, DATED JULY 14, 1993.

3. HISTORICAL TAX MAPS PROVIDED BY TITLE COMPANY, UNDATED.

SCHEDULE A DESCRIPTION

AS TO LOTS 200, 203, 205 AND 206:

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF BROOKLYN, COUNTY OF KINGS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS;

BEGINNING AT A POINT ON THE EASTERLY SIDE OF STILLWELL AVENUE, WHERE IT IS INTERSECTED BY THE SOUTHERLY SIDE OF SHORE PARKWAY;

RUNNING THENCE SOUTHERLY ALONG THE EASTERLY SIDE OF STILLWELL AVENUE, 96.67 FEET TO THE SOUTHWESTERLY CORNER OF LOT 51 AS SHOWN ON A CERTAIN MAP ENTITLED, AMENDED MAP OF SOUTH PART OF OCEAN PARK, PROPERTY OF THE LOWER BAY VIEW REALTY CO., E.W. LISTER, C.E. & C.S., FILED IN REGISTERS OFFICE, KINGS COUNTY, 12/29/1909, AS MAP # 1112B;

THENCE SOUTHEASTERLY ALONG THE SOUTHERLY SIDE OF LOTS 51, 50, 49, 48, 47, 46 AND 45 IN BLOCK 7225, AS SHOWN ON SAID MAP 151.18 FEET TO THE SOUTHEASTERLY SIDE OF LOT 46;

THENCE NORTHEASTERLY ALONG THE SOUTHERLY SIDE OF LOT 45 IN BLOCK 7225, 50.00 FEET;

THENCE EASTERLY, AND STILL ALONG THE SOUTHERLY SIDE OF LOT 45, 60.96 FEET TO THE WESTERLY SIDE OF WEST 13TH STREET;

THENCE EASTERLY, 30 FEET TO THE CENTER LINE OF WEST 13TH STREET;

THENCE NORTHERLY ALONG SAID CENTER LINE OF WEST 13TH STREET, 62.78 FEET TO THE SOUTHERLY SIDE OF SHORE PARKWAY;

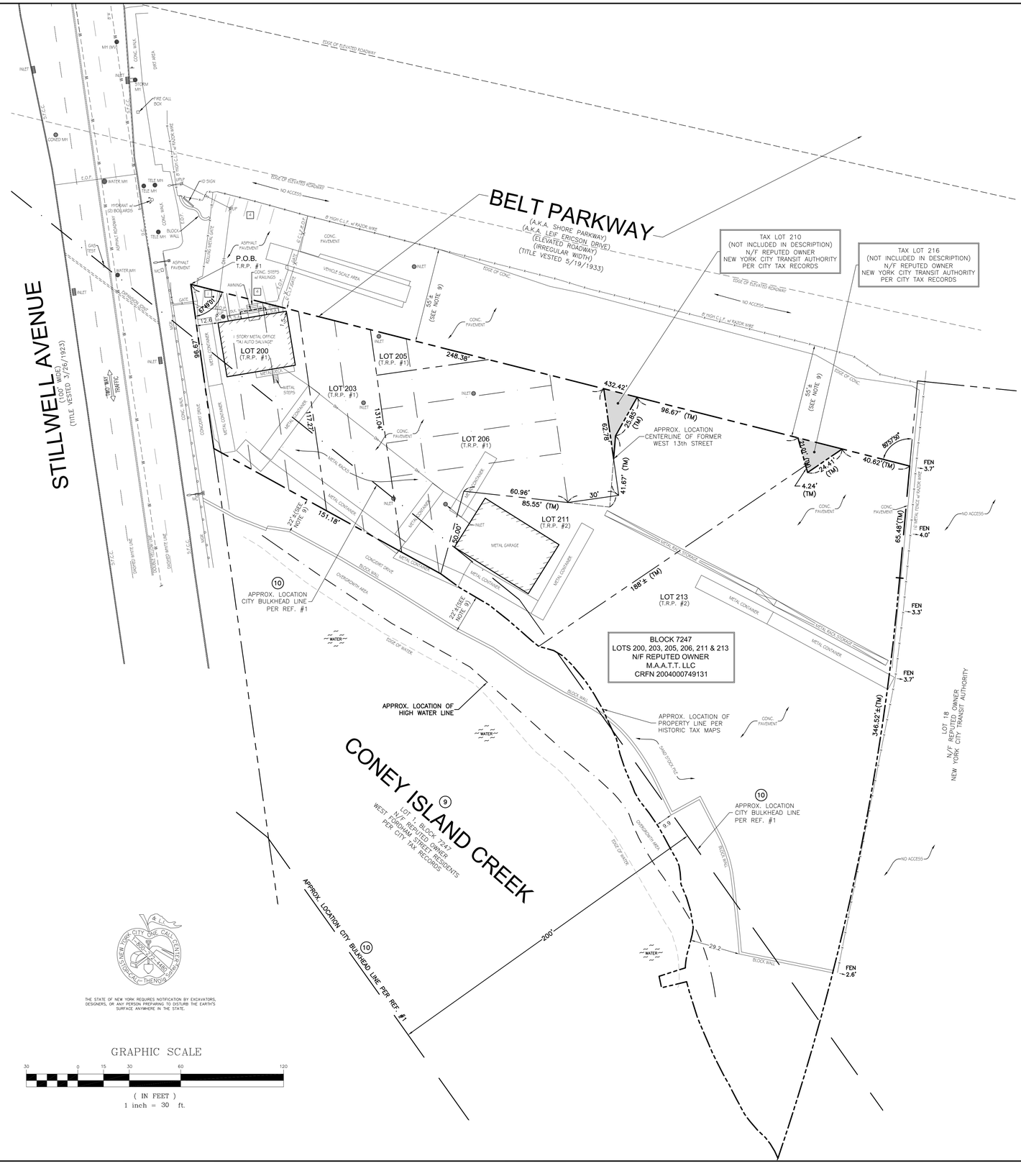
THENCE NORTHWESTERLY ALONG THE SOUTHERLY SIDE OF SHORE PARKWAY, 248.38 FEET TO THE EASTERLY SIDE OF STILLWELL AVENUE, TO THE POINT OR PLACE OF BEGINNING.

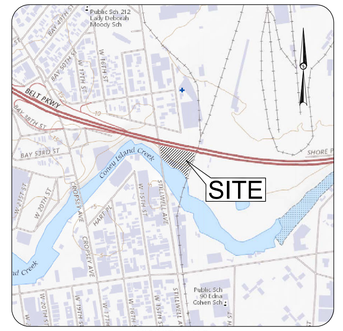
EXCEPT SUCH PARTS OF LAND DESCRIBED HEREIN AS WAS TAKEN FOR THE OPENING OF THE SHORE PARKWAY ALL DISTANCES BEING MORE OR LESS.

AS TO LOTS 211 AND 213:

ALL THAT CERTAIN LOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF BROOKLYN, CITY AND STATE OF NEW YORK DESIGNATED ON THE TAX MAP OF THE CITY OF NEW YORK FOR THE BOROUGH OF BROOKLYN IN BLOCK 7247 LOTS 211 AND 213 AS SAID TAX MAP EXISTED ON SEPTEMBER 28,1953.

EXCLUDED ARE ALL LANDS OUTSHORE OF THE BULKHEAD LINE OF CONEY ISLAND CREEK AND ALL LANDS OUT SHORE OF THE HIGH WATERLINE OF SAID CREEK.





VICINITY MAP

MAP LEGEND

	APPROX. LOCATION PROPERTY LINE
	FILED MAP LOT LINE (SEE NOTE 9)
—X—X—X—	FENCE
	EXIST. BUILDING FOOTPRINT AT GROUND LEVEL & DOORWAY
65.48' (TM)	TAX MAP DISTANCE
[FM LOT 41]	FILED MAP LOT NUMBER (SEE NOTE 9)
—OH—	OVERHEAD WIRES
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	INLET
	MANHOLE
	SIGN
	HYDRANT
D.C.	DEPRESSED CURB
E.O.P.	EDGE OF PAVEMENT
	BOLLARD
L.S.A.	LANDSCAPED AREA
4	PARKING SPACE COUNT
C.L.F.	CHAIN LINK FENCE
MC	METAL COVER
S.F.C.C.	STEEL FACED CONC. CURB
MGR	METAL GUIDE RAIL
T.R.P.	TITLE REPORT PARCEL
1.0'	DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
(10)	TITLE REPORT EXCEPTION NUMBER

THE STATE OF NEW YORK REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

No.	DESCRIPTION OF REVISION	DRAWN:	DATE

ALTA/NSPS LAND TITLE SURVEY

LOTS 200, 203, 205, 206, 211 & 213, BLOCK 7247

2647 STILLWELL AVENUE @ BELT PARKWAY
BOROUGH OF BROOKLYN
COUNTY OF KINGS
CITY & STATE OF NEW YORK

GALLAS SURVEYING GROUP
2865 U.S. ROUTE 1
NORTH BRUNSWICK, NJ 08902
TELE: 732-422-6700
FAX: 732-940-8786
www.gallassurvey.com

DATE	SCALE	DRAWN:	CHECKED:
01-05-2015	1"=30'	R.S.E./J.L.A.S.	G.S.G.

FIELD DATE	FIELD BOOK	PAGE	FIELD CREW
12-08-2014 08-18-2022	38 39 -	90 100 -	J.V./M.C./P.P. K.C./C.M.

FILE NO.:	DRAWING NAME/SHEET NO.
G14242	G14242.01.DWG 1 OF 1

TO:

- TBE RE ACQUISITION CO II LLC, A DELAWARE LIMITED LIABILITY COMPANY
- STEWART TITLE INSURANCE COMPANY
- KENSINGTON VANGUARD NATIONAL LAND SERVICES OF NY, LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 8, 9, 13 & 14 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 18, 2022.

STATE OF NEW YORK
GREGORY S. GALLAS
LICENSED No. 50124
LAND SURVEYOR

NOT VALID UNLESS EMBOSSED WITH LICENSEE'S SEAL OR BLUE INK SEAL

08-29-2022

GREGORY S. GALLAS — DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #50124

APPENDIX B

QUALITY ASSURANCE PROJECT PLAN

2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

QUALITY ASSURANCE PROJECT PLAN

NYSDEC BCP Site Number: C224362
AKRF Project Number: 220241

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
Albany, New York 12233

Prepared On Behalf Of:

2647 Stillwell Avenue Property LLC
% Turnbridge Equities
4 Bryant Park, Suite 200
New York, NY 10018

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

MAY 2023

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ATTACHMENTS

1.0 INTRODUCTION

This Quality Assurance Project Plan (QAPP) describes the protocols and procedures that will be followed during implementation of the Remedial Investigation Work Plan (RIWP) for the 2647 Stillwell Avenue site located at 2647 Stillwell Avenue in the Coney Island section of Brooklyn, New York, hereafter referred to as the "Site." The Site is identified by the City of New York as Borough of Brooklyn, Block 7247, Lots 200, 203, 205, 206, 211, and 213. The objective of this QAPP is to provide for Quality Assurance (QA) and maintain Quality Control (QC) of environmental investigative and sampling activities conducted under the New York State Department of Environmental Conservation (NYSDEC) oversight in the Brownfield Cleanup Program (BCP) (BCP Site No. C224362). Adherence to this QAPP will ensure that defensible data will be obtained during environmental work at the Site.

Currently, the approximately 1.87-acre Site consists of a concrete-paved yard with empty metal storage containers and a former office. The Site was most recently operated by T&J Auto Salvage, an auto salvage yard, and Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company, up until April 14, 2023. A concrete-paved roadway is located along the southern boundary of the Site adjacent to Coney Island Creek, and a portion of the roadway is encroaching approximately 22 feet onto Block 7247, Lot 1 (Coney Island Creek). Approximately 55 feet of the northern portion of the former salvage yard encroaches into an easement for the adjacent Belt Parkway. A site location map is provided as Figure 1.

The Applicant applied for entry into the NYSDEC BCP in October 2022, and was accepted into the program as a Volunteer in March 2023. Based on available data collected to date, the primary contaminants of concern for the Site are petroleum-related volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) [a class of semivolatile organic compounds (SVOCs) commonly found in historic fill], and metals in soil, and petroleum-related VOCs, SVOCs, and metals in groundwater.

The field work scope of work (SOW) includes: the performance of a geophysical survey across the Site to locate utilities and any effluent pipes associated with the stormwater catch basins/dry wells; the advancement of 14 soil borings with the collection and laboratory analysis of two to three soil samples from each soil boring; the installation of 5 permanent groundwater monitoring wells with the collection and laboratory analysis of 9 groundwater samples (including 4 samples from monitoring wells installed in February 2023); and the installation of 6 temporary soil gas probes with the collection and laboratory analysis of six soil gas samples. The testing program will also include an evaluation of five on-site stormwater structures to determine their construction and points of discharge. If the structures are determined to be drywells that discharge to the earth, a bottom sediment sample will be collected from each. The goal of the program is to determine the vertical and horizontal extent of the contaminants of concerns at the Site, so a remedy can be developed for approval by NYSDEC and NYSDOH. The proposed sample locations are shown on Figure 2.

2.0 PROJECT TEAM

The project team will be drawn from AKRF professional and technical personnel, and AKRF's subcontractors. All field personnel and subcontractors will have completed a 40-hour training course and updated 8-hour refresher course that meet the Occupational Safety and Health Administration (OSHA) requirements of 29 CFR Part 1910. The following sections describe the key project personnel and their responsibilities.

2.1 Quality Assurance/Quality Control Officer

Mr. Stephen Malinowski, QEP, will serve as the quality assurance/quality control (QC/QC) officer and will be responsible for adherence to the QAPP including QA/QC. The QA/QC officer will review the procedures with all personnel prior to commencing any fieldwork and will conduct periodic Site visits to assess implementation of the procedures. Mr. Malinowski will also be responsible for reviewing the Data Usability Summary Reports (DUSRs) prepared by a third-party data validator for soil, groundwater, and soil vapor analytical results. Mr. Malinowski's resume is included in Attachment A.

2.2 Project Manager

The project manager will be responsible for directing and coordinating all elements of the RIWP. The project manager will prepare reports and participate in meetings with the Site owner/BCP Volunteer, and/or the NYSDEC. Adrianna Bosco will serve as the project manager for the RIWP. Ms. Bosco's resume is included in Attachment A.

2.3 Field Team Leader, Field Technician, Site Safety Officer (SSO), and Alternates

The field team leader will be responsible for supervising the daily sampling and health and safety activities in the field and will ensure adherence to the work plan and Health and Safety Plan (HASP), included as Appendix A of the RIWP. The field team leader will also act as the field technician and Site Safety Officer (SSO) and will report to the project manager or project manager alternate on a regular basis regarding daily progress and any deviations from the work plan. The field team leader will be a qualified and responsible person able to act professionally and promptly during environmental work at the Site. Ms. Jessica Holms will be the field team leader. Mr. Michael Bates will be the field team leader alternate. Ms. Holms' and Mr. Bates' resumes are included in Attachment A.

2.4 Laboratory Quality Assurance/Quality Control (QA/QC) Officer

The laboratory QA/QC officer will be responsible for quality control procedures and checks in the laboratory and ensuring adherence to laboratory protocols. The QA/QC officer will track the movement of samples from the time they are checked in at the laboratory to the time that analytical results are issued, and will conduct a final check on the analytical calculations and sign off on the laboratory reports. The laboratory QA/QC officer will be Carl Ambruster of Eurofins TestAmerica Laboratories (TestAmerica), the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory being employed for all environmental sampling at the Site.

2.5 Thirty-Party Data Validator

The third-party data validator will be responsible for reviewing the final data packages for soil, groundwater, and soil vapor and preparing a DUSR that will provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the laboratory analyses for the investigation. The third-party data validator will be

Lori Beyer of L.A.B. Validation Corporation of East Northport, New York. Ms. Beyer's resume is included in Attachment A.

3.0 STANDARD OPERATING PROCEDURES (SOPS)

The following sections describe the SOPs for the remedial activities included in the RIWP. During these activities, safety monitoring will be performed as described in the HASP, included as Appendix B of the RIWP.

3.1 Decontamination of Sampling Equipment

All sampling equipment (augers, drilling rods, split spoon samplers, probe rods, pumps, etc.) will be either dedicated or decontaminated between sampling locations. Decontamination will be conducted on plastic sheeting (or equivalent) that is bermed to prevent discharge to the ground. The decontamination procedure will be as follows:

1. Scrub using tap water/Alconox® mixture and bristle brush.
2. Rinse with tap water.
3. Scrub again with tap water/Alconox® mixture and bristle brush.
4. Rinse with tap water.
5. Rinse with distilled water.
6. Air-dry the equipment, if possible.

3.2 Management of Investigation-Derived Waste (IDW)

IDW will be containerized in New York State Department of Transportation (NYSDOT)-approved 55-gallon drums. The drums will be sealed at the end of each workday and labeled with the date, the excavation grid(s), the type of waste (i.e., drill cuttings), and the name and phone number of an AKRF point-of-contact. All IDW exhibiting field evidence of contamination will be disposed of or treated according to applicable local, state, and federal regulations.

4.0 SAMPLING AND LABORATORY PROCEDURES

4.1 Soil Sampling

Soil sampling will be conducted according to the following procedures:

- Characterize the sample according to the modified Burmister soil classification system.
- Field screen the sample for evidence of contamination (e.g., odors, staining, etc.) using visual and olfactory methods and screen for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 electron Volt (eV) lamp.
- Collect an aliquot of soil from each proposed sample location, place in laboratory-supplied glassware, label the sample in accordance with Section 4.6.1, and place in an ice-filled cooler for shipment to the laboratory. Samples analyzed for the emerging contaminants, per- and polyfluorinated compounds (PFAS), should be contained in a separate cooler and the sample containers should be labeled with ballpoint pen, not permanent marker.
- Complete the proper chain of custody (COC) paperwork and seal the cooler.
- Record sample location, sample depth, and sample observations (evidence of contamination, PID readings, soil classification, etc.) in field log book and boring log data sheet, if applicable.
- Decontaminate any soil sampling equipment between sample locations as described in Section 3.1 of this QAPP.

4.2 Groundwater Sampling

Groundwater sampling will be conducted according to the following procedures:

- Field-screen the sample for evidence of contamination (e.g., odors, staining, etc.) using visual and olfactory methods and screen the well headspace for VOCs using a PID equipped with a 10.6 eV lamp.
- Collect the groundwater sample from each proposed sample location in laboratory-supplied glassware, label the sample in accordance with Section 4.6.1, and place in an ice-filled cooler for shipment to the laboratory. Samples analyzed for the emerging contaminants, PFAS, should be contained in a separate cooler and the sample containers should be labeled with ballpoint pen, not permanent marker.
- Complete the proper COC paperwork and seal the cooler.
- Record sample location, sample depth, and sample observations (evidence of contamination, PID readings, free phase liquid, etc.) in field logbook and boring log data sheet, if applicable.
- Decontaminate any groundwater sampling equipment between sample locations as described in Section 3.1 of this QAPP.

4.3 Soil Vapor Sampling

Soil vapor sampling will be conducted according to the following procedures:

- Field-screen the sample for evidence of contamination (e.g., odors, etc.) using olfactory methods and screen the purged vapors for VOCs using a PID equipped with an 10.6 eV lamp.

- Collect the soil vapor samples from each proposed sample locations in laboratory-supplied SUMMA® canisters, label the sample in accordance with Section 4.6.1, and place in shipment container for shipment to the laboratory.
- Complete the proper COC paperwork and seal the shipment container.
- Record sample location, sample depth, and sample observations (odors, PID readings, etc.) in field logbook and boring log data sheet, if applicable.

4.4 Laboratory Methods

Table 1 summarizes the laboratory methods that will be used to analyze field samples and the sample container type, preservation, and applicable holding times. TestAmerica of Edison, New Jersey, a NYSDOH ELAP-certified laboratory subcontracted to AKRF, will be used for all chemical analyses in accordance with the Division of Environmental Remediation (DER)-10 2.1(b) and 2.1(f) with Category B Deliverables.

Table 1
Laboratory Analytical Methods for Analysis Groups

Matrix	Analysis	EPA Method	Bottle Type	Preservative	Hold Time
Soil and Soil QA/QC	Volatile Organic Compounds (VOCs)	8260C	EnCore® samplers (3) and 2 oz. plastic jar	≤ 4 ºC	48 hours to extract; 14 days to analyze
	Semivolatile Organic Compounds (SVOCs)	8270D	8 oz. Glass Jar	≤ 4 ºC	14 days to extract; 40 days to analyze
	1,4-Dioxane	8270D; 0.1 mg/kg RL	4 oz. Glass Jar	≤ 4 ºC	14 days to extract; 40 days to analyze
	Total Analyte List (TAL) Metals, and Hexavalent Chromium	6000/7000 Series, 6010C, and 7196A	8 oz. Glass Jar	≤ 4 ºC	6 months holding time; Mercury 28 days holding time; Hexavalent chromium 30 days to extract, 7 days to analyze
	Pesticides	8081B	8 oz. Glass Jar	≤ 4 ºC	14 days to extract; 40 days to analyze
	Polychlorinated Biphenyls (PCBs)	8082A	8 oz. Glass Jar	≤ 4 ºC	14 days to extract; 40 days to analyze
	Per- and Polyfluorinated Compounds (PFAS)	1633	4 oz. HDPE Plastic Container	≤ 4 ºC	90 days to extract; 28 days to analyze
Groundwater and Groundwater QA/QC	VOCs	8260C	5 40 mL Glass Vials	HCl to pH < 2 and ≤ 4 ºC	48 hours to extract; 14 days to analyze
	SVOCs	8270D	2,000 mL Amber Jar	≤ 4 ºC	7 days to extract; 40 days to analyze
	1,4-Dioxane	8270D plus Selective Ion Monitoring (SIM); 0.35 µg/L RL	1 L Amber Jar	≤ 4 ºC	7 days to extract; 40 days to analyze
	TAL Metals	6000/7000 Series	2,000 mL Amber Jar	HNO_3 to pH < 2	6 months for metals; 28 days for mercury; 24 hours for hex. chromium
	Pesticides	8081B	2,000 mL Amber Jar	≤ 4 ºC	7 days to extract; 40 days to analyze
	PCBs	8082A	2,000 mL Amber Jar	≤ 4 ºC	7 days to extract; 40 days to analyze
	Per- and Polyfluorinated Compounds (PFAS)	1633	3 x 250 mL HDPE Bottles	≤ 4 ºC, Trizma	14 days to analyze
Soil Vapor/ Ambient Air	VOCs	TO-15	6L SUMMA® Canister	None	14 days

Notes:
QA/QC samples will be analyzed for the same parameters as the parent sample, with the exception of the trip blank(s), which will be analyzed for VOCs by EPA Method 8260C only.
EPA – Environmental Protection Agency
mg/kg – milligrams per kilogram (parts per million)
µg/L – parts per billion
ng/L – parts per trillion

4.5 Quality Control (QC) Sampling

In addition to the laboratory analysis of the soil and groundwater samples, additional analysis will be included for QC measures, as required by the Category B sampling techniques. These samples will include a field blank, trip blank, matrix spike/matrix spike duplicate (MS/MSD), and blind duplicate samples at a frequency of one sample per 20 field samples collected or per sample delivery group (SDG). QC samples will be analyzed for the same parameters as the accompanying samples, with the exception of any trip blanks, which will be analyzed for the VOC list only. Additionally, one equipment blank will be collected per day per sampling media for analysis of PFAS only.

Table 2
Field Sample and QA/QC Sample Quantities

Sample Type	Parameters	EPA Method[1]	Field Samples	QA/QC Samples				
				Duplicate[2]	MS/MSD[2]	Field Blank[2]	Trip Blank[2]	Equipment Blank[3]
Soil/Sediment	VOCs	EPA 8260C	45	1/20 (3)	1/20 (3)	1/20 (3)	3 (Laboratory-Supplied)	NA
	SVOCs (+1,4-Dx), TAL Metals, Hex. Chromium, PCBs, Pesticides, and PFAS	EPA 8270D, 6010C/7471B, 8082A, 8081B, and 1633	45	1/20 (3)	1/20 (3)	1/20 (3)	NA	1 per day for PFAS analysis only
Groundwater	VOCs	EPA 8260C	9	1/20 (1)	1/20 (1)	1/20 (1)	1 (Laboratory-Supplied)	NA
	SVOCs (+1,4-Dx), Total/Dissolved, TAL Metals, PCBs, Pesticides, and PFAS	EPA 8270D, 6010C/7471B, 8082A, 8081B, and 1633	9	1/20 (1)	1/20 (1)	1/20 (1)	NA	1 per day for PFAS analysis only
Soil Vapor	VOCs	TO-15	6	NA	NA	NA	NA	NA

Notes:
MS/MSD - matrix spike/matrix spike duplicate
NA – Not Applicable
[1] - NYSDEC July 2005 ASP Category B deliverables
[2] - One MS/MSD, Duplicate, field blank, and trip blank sample per twenty field samples per media
[3] - One Equipment Blank will be collected per day per media for PFAS analysis only

4.6 Sample Handling

4.6.1 Sample Identification

All samples will be consistently identified in all field documentation, chain-of-custody (COC) documents, and laboratory reports. Soil, groundwater, and soil vapor samples collected during the RI will be identified with “RI-” and “SB-” for soil borings “MW-”

for groundwater monitoring wells, and "SV-" for soil vapor points, and the soil boring, groundwater monitoring well number, or soil vapor point sample number. All samples will be amended with the collection date at the end of the sample name in a year, month, day (YYYYMMDD) format. Blind duplicate sample nomenclature will consist of the sample type, followed by an "X"; MS/MSD samples nomenclature will consist of the parent sample name only, but triplicate sample volume will be collected and the COC comment section will explain that the additional volume is for running the MS/MSD; and trip and field blanks will consist of "TB-" and "FB-", respectively, followed by "S" for soil and "GW" for groundwater, and a sequential number of the trip/field blanks collected within the sample digestion group (SDG). Special characters, including primes/apostrophes ('), will not be used for sample nomenclature. Table 3 provides examples of the sampling identification scheme for samples collected during the RI.

Table 3
Remedial Investigation Sample Nomenclature

Sample Description	Sample Designation
Groundwater sample collected from groundwater monitoring well RI-MW-01 on April 12, 2023	RI-MW-01_20230412
Blind duplicate sample of groundwater sample collected from groundwater monitoring well RI-MW-01 on April 12, 2023	RI-MW-X_20230412
Second field blank collected during the RI on April 12, 2023 with the soil samples	RI-FB-S-02_20230412
Soil sample collected from soil boring RI-SB-01 between 0 and 2 feet below grade on April 12, 2023	RI-SB-01_0-2_20230412
Second blind duplicate soil sample of SDG collected from soil boring RI-SB-05 between 0 and 2 feet below grade on April 14, 2023	RI-SB-X2_0-2_20230414
Soil vapor sample collected from temporary soil vapor point RI-SV-01 on April 14, 2023	RI-SV-01_20230414

Sample Labeling and Shipping

All sample containers will be provided with labels containing the following information:

- Project identification, including Site name, BCP Site number, Site address
- Sample identification
- Date and time of collection
- Analysis(es) to be performed
- Sampler's initials

Once the samples are collected and labeled, they will be placed in chilled coolers and stored in a cool area away from direct sunlight to await shipment to the laboratory. All samples will be shipped to the laboratory at least twice per week. At the start and end of each workday, field personnel will add ice to the cooler(s) as needed.

The samples will be prepared for shipment by placing each sample in laboratory-supplied glassware, then wrapping each container in bubble wrap to prevent breakage, and adding freezer packs and/or fresh ice in sealable plastic bags. The COC form will be properly completed by the sampler in ink, and all sample shipment transactions will be documented with signatures, and the date and time of custody transfer. Samples will be

shipped overnight (e.g., Federal Express) or transported by a laboratory courier. All coolers shipped to the laboratory will be sealed with mailing tape and a COC seal to ensure that the samples remain under strict COC protocol.

Sample Custody

Field personnel will be responsible for maintaining the sample coolers in a secured location until they are picked up and/or sent to the laboratory. The record of possession of samples from the time they are obtained in the field to the time they are delivered to the laboratory or shipped off-site will be documented on COC forms. The COC forms will contain the following information: project name; names of sampling personnel; sample number; date and time of collection and matrix; and signatures of individuals involved in sample transfer, and the dates and times of transfers. Laboratory personnel will note the condition of the custody seal and sample containers at sample check-in.

4.7 Field Instrumentation

Field personnel will be trained in the proper operation of all field instruments at the start of the field program. Instruction manuals for the equipment will be on file at the Site for referencing proper operation, maintenance, and calibration procedures. The equipment will be calibrated according to manufacturer specifications at the start of each day of fieldwork. If an instrument fails calibration, the project manager or QA/QC officer will be contacted immediately to obtain a replacement instrument. A calibration log will be maintained to record the date of each calibration, any failure to calibrate and corrective actions taken. The PID will be equipped with an 10.6 eV lamp and will be calibrated each day using 100 parts per million (ppm) isobutylene standard gas in accordance with the manufacturer's standards.

4.8 Quality Assurance (QA)

All soil, groundwater, and soil vapor laboratory analytical data will be reviewed by a third-party validator and a Data Usability Summary Report (DUSR) will be prepared to document the usability and validity of the data. The Remedial Investigation Report (RIR) will include a detailed description of endpoint sampling activities, data summary tables, concentration map showing sample locations and concentrations, DUSR, and laboratory reports.

ATTACHMENT A

RESUMES OF QA/QC OFFICER AND PROJECT DIRECTOR, PROJECT MANAGER, AND FIELD TEAM LEADER/FIELD TECHNICIAN/SITE SAFETY OFFICER/ALTERNATE

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

Stephen Malinowski, QEP is a Senior Vice President with experience in assessment, investigation, and remediation of environmental contamination-related issues. Stephen manages all aspects of environmental projects with multi-disciplinary teams, including public agencies, developers, property owners, architects, and construction managers to navigate regulatory programs efficiently and achieve project objectives. His projects fall under the regulatory oversight of the United States Environmental Protection Agency, New York State Department of Environmental Conservation, New York City Department of Environmental Protection and New York City Office of Environmental Remediation including the Federal and New York State Superfund, New York State Brownfield Cleanup Program (BCP) and petroleum spills, RCRA/IUC closures, New York City Voluntary Cleanup Program (VCP) and E-Designation program, and Nassau and Suffolk County regulatory programs. His proficiency in the development of custom scopes of work and accurate cost estimates coupled with his field-experience, knowledge of regulations, and excellent rapport with regulatory personnel allow him to provide turnkey environmental consulting for site assessment, investigation and remediation projects associated with development, infrastructure improvement, and coastal resiliency projects.
Stephen experience includes the design, implementation, and management of environmental assessment, investigation and remediation projects on Long Island and across the New York Metropolitan Area including soil groundwater investigation, monitoring, and sampling programs, Brownfield and hazardous waste site investigations; underground storage tank studies, including soil contamination delineation, classification, waste removal and disposal. He has overseen and conducted hundreds of Phase I Environmental Site Assessments (ESAs) and Phase II investigations in a variety of environmental settings ranging from industrial sites to sites in challenging urban areas, many of them in conjunction with site redevelopment and property transaction related activities. In addition, Stephen has designed and implemented indoor air and soil vapor intrusion surveys at industrial, commercial, municipal, and residential properties in accordance with New York State Department of Health protocols, some requiring sub-slab depressurization or soil vapor extraction systems.

BACKGROUND

Education
BA, State University of New York at Plattsburgh, Environmental Science, 1992

Licenses/Certifications
Professional Geologist, NY - 000422
Certified Brownfield Professional, New York City Office of Environmental Remediation
Health and Safety Operations at Hazardous Materials Sites 29 CFR 1910.120
NYSDEC Erosion and Sediment Control Inspector
OSHA 10 Hour Construction Safety & Health Course
OSHA 8 Hour Refresher
Qualified Environmental Professional, Institute of Professional Environmental Practice

Professional Memberships
Member, Long Island Association of Professional Geologists
Member, Institute of Professional Environmental Practice
Committee Member - Policy Innovation Network, Citizens Housing Planning Council
Member, New York State Council of Professional Geologists

Years of Experience
30 years in the industry

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

10 years with AKRF

RELEVANT EXPERIENCE

Gowanus Canal First Street Turn Basin, New York, NY

AKRF performed professional services for the remedial design for restoration of the Filled-in Former First Street Turning Basin adjacent to the Gowanus Canal in Brooklyn, New York. The remediation is being conducted as part of an Order of Consent between the City of New York and USEPA for the Gowanus Canal Superfund Site. The remedial design will include removal of fill and sediment within the filled-in turning basin in an approximately 475-foot by 50-foot area and the creation of a wetland shelf. Design considerations include geotechnical concerns related to adjacent buildings and new and existing bulkheads; soil and water management; landscape design; and access/construction logistics. The project design is anticipated to be completed in 2020.

Stephen Malinowski is responsible for coordination of a multidisciplinary team to evaluate existing structural and environmental conditions associated with the site and the immediate surrounding area. Stephen is overseeing the implementation of underwater bulkhead inspections and multi-beam sounding surveys in the Gowanus Canal, as well as environmental and geotechnical investigations, surveys, structural and existing condition evaluations of nearby properties. He is responsible for all reporting and communications for the project, and is working with nearby property owners to initiate access agreements for work on their properties. Stephen is also assisting the DDC with presentations at the Gowanus Community Action Group and is working closely with the USEPA to implement an archaeology monitoring plan during subsurface disturbance activities.

Peerless - Empire, Brooklyn, NY

AKRF was contracted by a private landowner of a 17-acre site along the Newtown Creek waterfront located above the 55-acre 20-million gallon underground petroleum plume. The site is located on property formerly utilized for petroleum refining and storage, and the property owner requested assistance understanding the impacts, negotiating investigation and cleanup activities with ExxonMobil and NYSDEC, to protect employees and limit disturbances to business operations.

Stephen Malinowski was responsible for evaluating the impacts and assessing the alternative analysis evaluation to select a remedy that protected site personnel and cleaned up the property. Since ExxonMobil was remediating a portion of the property and the surrounding neighborhood and Texaco, Inc. was responsible for the waterfront parcel, Stephen's role also involved discussions with ExxonMobil, Texaco, and NYSDEC to ensure the cleanup strategies were coordinated to address the potential of additional petroleum migrating onto the property.

In addition to reviewing, overseeing and advising on the investigation and cleanup activities, he has prepared Phase I Environmental Site Assessments for the property, reviewed historic maps and documents on the refining history of Newtown Creek, initiated indoor air monitoring programs, arranged for the removal of underground oil tanks, designed and installed sub-slab depressurization systems, and responded to ongoing work inquiries by the oil companies. Stephen also managed the development of and implementation of a Stormwater Pollution Prevention Plan to comply with a NYSDEC Order on Consent and conducted waste classification and disposal for hazardous fill material encountered during construction of the stormwater treatment system. Stephen's work for this client remains ongoing.

Flushing Commons Mixed-Use Development, Flushing, NY

AKRF prepared the Environmental Impact Statement pursuant to CEQR requirements for Flushing Commons, a 1.8 million square-foot, mixed-use urban development on a five-acre site in Downtown Flushing, Queens. As a result of the EIS, a Restrictive Declaration was assigned to the property.

Stephen Malinowski prepared a Remedial Investigation Work Plan and oversaw the implementation of a Remedial Investigation (RI), which included soil, groundwater, and soil vapor samples. Upon approval of the RAWP, Stephen helped enroll the project into OER's Voluntary Cleanup Program (VCP) to capitalize on additional community involvement provided by OER. Under his direction, AKRF also conducted extensive waste characterization testing of the soil to pre-classify the material for disposal, provided construction oversight, and implemented a Community Air Monitoring Program (CAMP) during 11 months of excavation.

Stephen coordinated participation in OER's Clean Soil Bank program, which led to the reuse of approximately 14,000 cubic yards of material to nearby local areas affected by Super Storm Sandy and 20,000 cubic yards of soil to a recycling plant for reuse as concrete mix. These efforts eliminated more than 1,500 truck trips to regional disposal locations outside of NYC, effectively reducing the carbon footprint of the redevelopment, and provided for the reuse of material on-site and elsewhere in NYC.

New York City Department of Design & Construction, Large Infrastructure Retainer, Various locations, NY

AKRF was awarded one of three DDC Large Infrastructure Engineering Requirements Contracts (HWDRKR02L) for capital improvements projects in Brooklyn and Staten Island. As the prime consultant for HWDRKR02L, AKRF is responsible for managing the overall contract and numerous task orders issued, including those earmarked to receive federal funding administered by NYSDOT, to provide a variety of engineering services including roadway and intersection improvements design, utility improvements and upgrades, stormwater management and green infrastructure practices design and feasibility studies, as well as traffic impact and analysis studies to support proposed designs and improvements and to identify potential impacts and proposed mitigation to implement these improvements projects.

Stephen Malinowski was in charge of all aspects of the management and implementation of the field investigation including access coordination, permitting, and reporting. He was also responsible for interpretation of a wide-range of data, providing critical cost and health/safety advice to the design team, and preparation of technical reports for NYCDEP in order to satisfy City Environmental Quality Review (CEQR) requirements.

Front and York and Magnolia DUMBO at 85 Jay Street, Brooklyn, NY

AKRF served as site assessment/remediation consultant for 85 Jay Street in Brooklyn, a 1.1-million-square-foot residential development in Brooklyn with a pair of 21-story buildings that rise from a multi-level retail podium. Front & York comprises 408 condominiums from CIM Group and LIVWRK, and Magnolia DUMBO comprises 320 rental units from RXR Realty.

Stephen Malinowski was responsible for preparation and implementation of a NYSDEC-approved Remedial Action Work Plan for this approximately three-acre former industrial site that encompasses an entire city-block. The remediation was conducted under the NYSDEC Brownfield Cleanup Program, primarily due to high levels of lead associated with former smelting operations. His responsibilities included overseeing an in-situ soil pre-characterization testing program to obtain pre-approval from the disposal of approximately 170,000 cubic yards of soil during the foundation excavation. He assisted with the review and procurement of bids for the off-site transport and disposal of multiple soil waste streams. As part of the approval process, he oversaw extensive testing to delineate the extent of lead and other hot spot areas of contamination.

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

Stephen was responsible for preparation and implementation of a NYSDEC-approved Remedial Action Work Plan for this approximately three-acre former industrial site that encompasses an entire city-block. The remediation is being conducted under the NYSDEC Brownfield Cleanup Program, primarily due to high levels of lead associated with former smelting operations. His responsibilities included overseeing an in-situ soil pre-characterization testing program to obtain pre-approval from the disposal of approximately 170,000 cubic yards of soil during the foundation excavation. As part of the approval process, he oversaw extensive testing to delineate the extent of lead and other hot spot areas of contamination.

The testing program included the development of a bench-scale study to condition the lead in-situ with a patented product to reduce its leachability from the soil and lower disposal costs. Based on the results of the bench tests, a Soil Stabilization Plan detailing an in-situ pilot study followed by wide-scale implementation was prepared and approved by NYSDEC. Upon receipt of the pilot test results, the soil conditioning program was approved for implementation for 40,000 tons of lead contaminated material. Stephen assisted with the review and procurement of bids for the off-site transport and disposal of multiple soil waste streams and oversaw a soil conditioning program, the excavation monitoring with community and work-zone air monitoring, and the daily and monthly reporting obligation to NYSDEC. He was responsible for preparation of the Final Engineering Report (FER). The FER was approved by NYSDEC and the project received a certificate of completion in December 2019 for a Track I cleanup.

Windsor Fuel Oil - 45 Charles Street, Glen Cove, NY

AKRF assisted with the decommissioning and investigation of the Former Windsor Fuel Terminal, which had not been functioning for 20 years, to facilitate the sale of the property as part of the Garvies Point Waterfront Development. The decommissioning included the removal of a 620,000-gallon tank and the fuel loading rack, followed by a subsurface soil investigation under the auspices of the New York State Department of Environmental Conservation (NYSDEC) Region I Spill Unit. AKRF's investigation included test pit excavations and soil sampling across the site to determine the vertical and lateral extent of the petroleum impacts. The investigation was conducted in accordance with a work plan prepared by AKRF and approved by the NYSDEC.

AKRF also performed oversight, and peer review, while the Prospective Purchaser conducted a Phase II Site Investigation to further evaluate site-wide conditions for soil, groundwater, and soil vapor conditions. Based on the results from the AKRF investigation and the Prospective Purchaser's Phase II, AKRF prepared a Remedial Action Plan (RAP) to address soil and groundwater contamination and obtain closure of an on-site spill from NYSDEC. Upon approval of the RAP from NYSDEC, AKRF prepared a remedial estimate to initiate a waterfront soil excavation program and conduct post-remedial groundwater treatment and monitoring at the Site. In addition, AKRF's Engineering group prepared an Erosion and Sedimentation Control Plan to support an excavation permit request from the Village of Glen Cove.

Stephen Malinowski developed and implemented the scope of work, which included test pit excavations and soil sampling across the site to determine the vertical and lateral extent of the petroleum impacts. The investigation was conducted in accordance with a work plan prepared under Stephen's direction and approved by the NYSDEC.

He also performed oversight, and peer review, while a Prospective Purchaser conducted a Phase II Site Investigation to further evaluate site-wide conditions for soil, groundwater, and soil vapor conditions. Based on the results from the AKRF investigation and the Prospective Purchaser's Phase II, Stephen prepared a Remedial Action Plan (RAP) to address soil and groundwater contamination and obtain closure of an on-site spill from NYSDEC. Upon approval of the RAP from NYSDEC, he prepared a remedial estimate to initiate a waterfront soil excavation program and conduct post-remedial groundwater treatment and monitoring at the Site. In addition, he coordinated the efforts of AKRF's Civil

engineering team to prepare a Grading and Erosion and Sedimentation Control Plan to support an excavation permit request from the Village of Glen Cove.

Stephen designed and implemented a soil waste classification program to allow direct loading of approximately 10,000 tons of petroleum-contaminated soil from the former fuel storage areas. Since the excavation required excavation in the shallow groundwater table adjacent to a marine bulkhead, he coordinated the efforts of contractors and engineers to conduct local dewatering and to ensure the structural integrity of the bulkhead was not compromised. During the remediation. Stephen was the main point of contact for NYSDEC and was responsible for modifying the scope of work with DEC to ensure the project achieved all regulatory objectives. He is also responsible for the preparation of the spill cleanup report to NYSDEC, which will be submitted to NYSDEC in March 2020.

Manhattan West - The Eugene, New York, NY

AKRF provided site assessment/remediation services for The Eugene, the first residential building to be completed at Manhattan West in West Midtown Manhattan. The Eugene is a 62-story, 730-foot-tall luxury glass tower containing 844 residential units with a portion designated for inclusionary housing. Manhattan West sits directly across Tenth Avenue from Hudson Yards. Stephen Malinowski served as Project Manager.

Manhattan West - Two Manhattan West, New York, NY

AKRF is providing site assessment/remediation services for Two Manhattan West, a new 58-story, 1.9 million-square-foot office tower at Manhattan West in West Midtown Manhattan. Manhattan West sits directly across Tenth Avenue from Hudson Yards. Stephen Malinowski served as Project Manager.

East Side Coastal Resiliency (ESCR) Preliminary & Final Design, New York, NY

AKRF is leading a multidisciplinary design team that was selected by the New York City agency partnership of NYCDDC, New York City Department of Parks and Recreation (NYC Parks), New York City Department of Transportation, and the Mayor's Office of Recovery and Resiliency (ORR) to provide engineering, planning, landscape architecture, urban design and community engagement services for the Preliminary and Final Design Services for East Side Coastal Resiliency (ESCR).

Stephen Malinowski worked with the design team to identify additional data needs based on advances in the design and developed a Supplemental Subsurface Investigation Work Plan for NYCDEP-approval. He leads all aspects of the management and implementation of the supplemental field investigation including access coordination, utility locating, permitting and reporting. Stephen is responsible for the interpretation of a wide-range of data, and to provide critical cost and health/safety direction to the design team. He is also responsible for preparation of all reports (EIS, cost reports, Soil and Groundwater Management Plan, and presentations to the NYC team.)

Stephen has led extensive geology and hydrogeological studies to evaluate the impacts of the flood protection structure on the groundwater flow and transport of MGP-related wastes. He is currently supporting the City team with the coordination of remedial efforts pertains to MGP contaminants with NYSDEC, Con Ed and the various public and private entities that have a stake in the project. Once the preliminary design is released, he will prepare environmental specifications for the project to be used during the procurement of contractor bids.

Waterview at Greenpoint, Brooklyn, NY

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

AKRF provided environmental consulting services in connection with the proposed affordable housing development at 77 Commercial Street as part of ongoing revitalization of the Greenpoint waterfront. The project comprises the redevelopment of an approximately 110,000-squarefoot former industrial parcel into a mixed-use commercial/residential development including public waterfront esplanade, affordable housing, and three interconnected buildings ranging from 2 to 40 stories. The site is being remediated under the New York City Mayor's Office of Environmental Remediation (OER), and is listed with an E-Designation for Hazardous Materials, Air Quality, and Noise.

Stephen Malinowski oversaw the preparation of a Remedial Investigation Work Plan and implementation of a Remedial Investigation (RI) which included 38 soil samples, 6 groundwater samples, and 11 soil vapor samples. Based on the results of the RI, he oversaw the preparation of a Remedial Action Work Plan (RAWP) that included excavation of approximately 90,000 tons of soil, removal of underground oil tanks, installation of a vapor barrier beneath the entire building, and design drawings for a sub-slab depressurization system. Upon approval of the RAWP, Stephen helped enroll the project into OER's Voluntary Cleanup Program (VCP) to enable an exemption from hazardous waste disposal taxes and to capitalize on additional community involvement provided by OER. AKRF, OER, and community leaders developed proactive measures to limit the potential disturbances from construction and to help keep concerned community members informed of planned activities. He also designed and conducted an extensive in-situ testing of soil to pre-classify the material for disposal.

Stephen managed the associated E-Designation work for Air Quality and Noise (E-138) to render the site protective of Air Quality and Noise impacts. The work included a site-specific noise study and evaluation of proposed fuel types, mechanical equipment, and emission stack locations to prepare an Air Quality and Noise Remedial Action Plan (RAP). All documents were approved by OER and the project is awaiting groundbreaking and start of construction.

J2 at 147-25 94th Avenue, Queens, NY

AKRF is providing site assessment/remediation, civil engineering, and E-Designation services related to noise and hazardous materials for J2, a 25-story residential and retail building at 147-25 94th Avenue in Jamaica, Queens. The 550,000-square-foot building will include 543 residential units, including affordable housing, and is located adjacent to the Jamaica Station transit hub. Construction of J2 broke ground in March 2020. A Certificate of Completion for participation in New York State's Brownfield Cleanup Program was issued by NYSDEC in December 2020. The project is currently under construction.

Stephen Malinowski directed all Phases of this NYS Brownfield Cleanup Program (BCP) project located within the Jamaica Brownfield Opportunity Area. He has been responsible for overseeing the implementation of a Phase I Environmental Site Assessment and asbestos survey of this former industrial property adjacent to the Long Island Rail Road tracks. Since the site had an E-Designation for hazardous materials, noise and air quality, Stephen coordinated with the New York City Office of Environmental Remediation (NYCOER) to ensure that all technical deliverables would also satisfy NYCOER's predevelopment requirements in order to obtain a Notice to Proceed from the NYC Department of Buildings. In doing so, he designed a scope of work for the Remedial Investigation that would satisfy both OER and the NYSDEC BCP.

Upon the receipt of results indicating the presence of contaminated soil and soil vapor beneath the site, the client decided to apply for the NYS BCP. Stephen was responsible for preparation and submission of a BCP Application simultaneously with the Remedial Investigation Report and a Remedial Action Work Plan (RAWP) to expedite the approval process and enable implementation of the remediation concurrently with construction. He prepared a remedial estimate for the activities required by the RAWP, allowing the client to obtain financing for construction. Stephen designed a testing program to pre-characterize approximately 15,000 cubic yards of soil underlying the existing building for disposal during the remedial excavation. The disposal testing identified a hotspot containing hazardous levels of lead,

which he coordinated with the EPA to remediate at the onset of construction. The remedial excavation was completed during the height of the COVID outbreak with Stephen's team providing environmental oversight, community air monitoring with NYSDEC. Upon completion of the work, he prepared a Final Engineering report and the Client received a Certificate of Completion from NYSDEC in 2020. A Notice of Satisfaction is anticipated from NYCOER after installation of the windows and façade are complete.

J2 at 147-25 94th Avenue, Queens, NY

This historical meat refrigeration facility is enrolled in the Brownfield Cleanup Program to remediate the property and construct a 23-story affordable residential building. Although the site has an E-Designation for hazardous materials, noise, and air quality, AKRF assisted with applying for entry into the NYSDEC Brownfield Cleanup Program, due to the presence of contaminated soil and soil vapor beneath the site. Stephen Malinowski served as Project Manager.

Garden City Union Free School District Environmental Consulting Services, Garden City, NY

AKRF was retained by the Garden City Union Free School District (UFSD) to provide environmental consulting services pertaining to a United States Environmental Protection Agency (EPA) Superfund Site, known as the Old Roosevelt Field Contaminated Groundwater Area Site or Old Roosevelt Airfield. Concern was raised as to whether contamination associated with the Old Roosevelt Airfield had the potential to impact public school facilities within the Garden City UFSD. The Old Roosevelt Airfield was historically operated by the United States Army and Navy between approximately 1911 and 1951 as a facility to receive, refuel, crate, and ship army aircrafts. Previous investigations conducted within the footprint of the Old Roosevelt Airfield identified elevated levels of the chlorinated solvents tetrachloroethene (PCE) and trichloroethene (TCE) in a deep groundwater plume.

AKRF reviewed publicly available records and reports to understand the nature and extent of contamination and to determine if any testing was warranted to further protect the health and safety of the students and faculty at public school facilities. AKRF conducted a Soil Vapor Intrusion (SVI) assessment at two public schools to evaluate whether chlorinated solvents associated with the regional deep groundwater affected indoor air quality. The SVI assessment included a pre-sampling inspection and analysis of sub-slab soil vapor, indoor air, and ambient air conditions. AKRF prepared a presentations to the School Board and community members detailing the testing methodologies and to present the findings.

Stephen Malinowski assisted the Garden City Union Free School District (UFSD) by providing environmental consulting services pertaining to a United States Environmental Protection Agency (EPA) Superfund Site, known as the Old Roosevelt Field Contaminated Groundwater Area Site or Old Roosevelt Airfield. A concerned community member raised a concern as to whether contamination associated with the Old Roosevelt Airfield had the potential to impact public school facilities within the Garden City UFSD. Stephen lead an AKRF team of scientist and engineers to review publicly available records and reports to understand the nature and extent of contamination and to determine if any testing was warranted to further protect the health and safety of the students and faculty at public school facilities.

Previous investigations conducted within the footprint of the Old Roosevelt Airfield identified elevated levels of the chlorinated solvents tetrachloroethene (PCE) and trichloroethene (TCE) in a deep groundwater plume. Stephen also oversaw the development and implementation of a Soil Vapor Intrusion (SVI) assessment at two public schools to evaluate whether chlorinated solvents associated with the regional deep groundwater affected indoor air quality. The SVI assessment included a pre-sampling inspection and analysis of samples sub-slab soil vapor, indoor air, and ambient air samples for volatile organic compounds to assess conditions in accordance with NYSDOH protocols. The SVI survey also included the collection of samples for radon from the lowest levels of both facilities. He was responsible for the interpretation of results and presenting the findings to the School Board and community.

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

Waste Management Newtown Creek Site

AKRF was contracted by two separate litigation groups to identify historic ownership, waterfront landfilling activities, and land use practices from the earliest period of development through the present for an approximately 300,000-squarefoot area along the Newtown Creek waterfront. The project site had a long history of industrial activity including coal and petroleum refining, chemical storage and manufacturing, and petroleum recycling.

Stephen Malinowski worked with AKRF's historians to review data gathered from various resources, such as historic maps, historic photographs, historic conveyance records, newspaper articles, local histories, and readily available records such as historic aerial photographs, Sanborn fire insurance maps, historic topographical maps, historic city directories, and transcripts and exhibits from depositions conducted in litigation.

3363-3365 Third Avenue Passive House, Bronx, NY

AKRF is providing environmental consulting services in connection with the proposed affordable housing development at 3363-3365 Third Avenue. The proposed project consists of a residential building with a basement and approximately 30 affordable housing units. The Remedial Investigation included soil, soil vapor, groundwater and ambient air sampling. AKRF also prepared a Remedial Action Work Plan (RAWP) and conducted which includes the design of a sub-slab depressurization system (SSDS) and vapor barrier system to prevent potential soil vapor intrusion. AKRF conducted waste disposal testing to characterization approximately 4,500 tons of soil for off-site disposal and is currently conducting environmental monitoring during excavation of the site soils and installation of the SSDS and vapor barrier. The site is enrolled in NYCOER's Voluntary Cleanup Program and the client is anticipating receiving the maximum allowable Brownfield Incentive Grant for this affordable housing project.

Stephen Malinowski oversaw the preparation of Phase I ESA for due diligence purposes and to support an application to the New York City Acquisition Fund. The Phase I identified recognized environmental conditions as well as an E-Designation from the Morrisania Rezoning Action. Stephen is assisting the client with satisfying the E-Designation and has prepared and implemented a Remedial Investigation Work Plan under the regulatory oversight of the New York City Mayor's Office of Environmental Remediation (NYCOER).

2264 Morris Avenue, Bronx, NY

AKRF is providing environmental hazardous materials and consulting services in connection with the proposed affordable housing development at 2264-2272 Morris Avenue. The proposed 11-story building is expected to include 94 much-needed units of new affordable and supportive housing.

Stephen Malinowski oversaw the preparation of hazardous materials reports for the project site including a Phase I ESA and Phase II site investigation for pre-purchase due diligence purposes. Stephen oversaw the preparation of a Remedial Action Plan (RAP) for NYCDEP approval which includes the removal of underground storage tanks (USTs), characterization and disposal of approximately 5,000 tons of soil, and the installation of a vapor barrier. AKRF is currently overseeing the implementation of the RAP and under Stephen's direction has removed the USTs, cleaned up a petroleum spill to the satisfaction of the NYSDEC, and is conducting community air monitoring during the foundation excavation.

Elton Crossing - Melrose Commons North Site C, Bronx, NY

AKRF provided environmental consulting services in connection with the purchase and redevelopment of the Elton Crossing site at 899 Elton Avenue in the Bronx, NY. The work initially involved the preparation of a Phase II

subsurface investigation including soil and soil vapor testing to determine if the site would be eligible for the New York State Brownfield Cleanup Program (NYSBCP). Upon completion of the investigation, AKRF prepared a NYCBCP Application and the site was accepted into the NYSBCP. AKRF managed all aspects of the brownfield cleanup including; development of Investigation Work Plans, performing Remedial Investigations and Reports, preparation of Phase I ESAs, preparation of a Citizen Participation Plan, distribution of public notices, preparation and implementation of a Remedial Action Work Plan (RAWP), design of a sub-slab depressurization system, preparation of the Final Engineering Report and Site Management Plan, and sampling and management of soil disposal. AKRF is in the midst of implementing the Site Management Plan.

Stephen Malinowski was responsible for overseeing the implementation of the NYSDEC-approved Remedial Action Work Plan for this former industrial property. His responsibilities included the in-situ testing of all site soil to obtain pre-approval from facilities for 15,000 tons of soil disposal during the foundation excavation. Stephen secured approval and procured bids for the off-site transport and disposal for six different classifications of soil. During excavation, he coordinated the transport and disposal of excavated material with the foundation contractor, while on-site personnel working under his direction managed the excavation and manifests for each truckload leaving the site. Stephen was the regulatory and technical lead for the remediation, which involved providing guidance for the closure of two petroleum spills; the registration, removal, and closure of five petroleum storage tanks encountered during excavation; and the delineation of soil contaminants, including hazardous lead, petroleum, and pesticides. His efforts prior to construction and his strong communication skills allowed the foundation excavation to advance with minimal delays from environmental matters.

Additionally, Stephen oversaw the implementation of the Community Air Monitoring Program (CAMP) during soil excavation activities and developed a soil-testing program that allowed the client to reuse certain material on-site, avoiding delays and soil import fees. The site was remediated to achieve Track 4 site-specific cleanup criteria and received a Certificate of Completion in 2016.

Gibbons Review Avenue Lic

AKRF was contracted by two separate litigation groups to identify historic ownership, waterfront landfilling activities, and land use practices from the earliest period of development through the present for an approximately 300,000-squarefoot area along the Newtown Creek waterfront. The project site had a long history of industrial activity including coal and petroleum refining, chemical storage and manufacturing, and petroleum recycling.

Stephen Malinowski worked with AKRF's historians to review data gathered from various resources, such as historic maps, historic photographs, historic conveyance records, newspaper articles, local histories, and readily available records such as historic aerial photographs, Sanborn fire insurance maps, historic topographical maps, historic city directories, and transcripts and exhibits from depositions conducted in litigation.

Manhattan West - Pendry Manhattan West, New York, NY

AKRF is providing site assessment/remediation services for Pendry Manhattan West, a new 21-story, 164-room luxury hotel and condominium tower at Four Manhattan West in Manhattan. Manhattan West sits directly across Tenth Avenue from Hudson Yards. Stephen Malinowski serves as Project Manager.

Gas Station Closure and Property Transfer, Hewlett, NY

On behalf of a private property owner, AKRF provided third party oversight for closure of a filling station by a major national gasoline retailer and assisted with environmental matters which complicated the sale of the property to a

commercial developer. The remedial work conducted by the gasoline retailer included the removal of three active and five improperly abandoned underground storage tanks and pump islands and the three hydraulic lifts. AKRF maintained direct communication with the New York State Department of Environmental Conservation (NYSDEC) to ensure that the on-site soil was excavated to the furthest extent possible and that a post-remedial groundwater monitoring plan was promptly initiated so the property could be promptly redeveloped. Additional investigation activities conducted by the purchaser revealed the presence of chlorinated solvents in the groundwater above NYSDEC groundwater standards which further complicated the pending transaction. AKRF conducted research of the surrounding area and contacted the United States Environmental Protection Agency (EPA) regarding a well-documented nearby solvent plume. AKRF's efforts expedited the closure of the fuel spill and our communications with NYSDEC and EPA provided a level of comfort to the Purchaser that allowed the property transaction to proceed. Stephen Malinowski served as Project Manager.

Wyandanch Rising - 1 Washington, Wyandanch, NY

AKRF performed a Phase II subsurface investigation for the Albanese Organization to support the construction of Building B for the Wyandanch Rising project located on the Long Island Rail Road (LIRR) and Town of Babylon parking areas immediately located north of the Wyandanch train station. Prior to beginning the work, AKRF obtained a rail road protective liability insurance policy for the project and a Site Entry Permit from LIRR. The work consisted of the advancement of soil and groundwater borings as well as the inspection and sampling of 13 stormwater drywells and five sanitary leaching structures under the oversight of the Suffolk County Department of Health Services (SCDHS). Based on these results, the SCDHS issued a "no further action" letter and the client was able to obtain financing for the project.

Stephen Malinowski designed the scope of work based on recognized environmental conditions identified in a prior Phase I Environmental Site Assessment prepared by AKRF for the Wyandanch Brownfield opportunity Area.

ABCO 33 Central Avenue, Hauppauge, NY

AKRF assisted the ABCO Refrigeration Company with a real estate transaction complicated by stormwater drywells contaminated with semi-volatile organic compounds. AKRF notified the Suffolk County Department of Health Services (SCDHS) and performed further investigation activities to test the sanitary system for contamination and utilized a remote camera to locate additional drywells buried beneath the asphalt pavement. The remedial work included characterizing the sediments for disposal approval at a New York State-approved disposal facility and obtaining liquid waste disposal approval from the Suffolk County Department of Public Works (SCDPW). The remediation was conducted using a high-powered vacuum truck under the oversight of SCDHS and included the disposal of approximately 5,000 gallons of liquid and 42 tons of soil from four drywells servicing the property. Post-remedial sediment samples were collected from the base of the drainage structures to document the soil quality. Based on these results, the SCDHS issued a "no further action" letter and the property transaction proceeded on schedule.

Stephen Malinowski assisted the ABCO Refrigeration Company with a real estate transaction complicated by stormwater drywells contaminated with semi-volatile organic compounds. AKRF notified the Suffolk County Department of Health Services (SCDHS) and performed further investigation activities to test the sanitary system for contamination and utilized a remote camera to locate additional drywells buried beneath the asphalt pavement.

Alvista Towers at 147-36 94th Avenue, Queens, NY

Stephen Malinowski was responsible for directing the assessment and preconstruction investigation activities for a former industrial property with an E-Designation for Hazardous Materials and Noise located within the Jamaica

Brownfield Opportunity Area (BOA). Stephen was responsible for designing the scope of the Remedial Investigation to satisfy the hazardous materials E-Designation, as well as for coordinating the pre-demolition asbestos survey and the noise survey to obtain the Notice to Proceed from the Mayor's Office of Environmental Remediation's (OER).

The Remedial Investigation revealed the presence of contaminated soil and soil vapor beneath the site, and the developer entered the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) through NYCOER's JumpStart program. The remediation consisted of soil excavation and the removal of seven underground storage tanks. The site achieved an unrestricted use Track 2 cleanup and was the first project to receive a Certificate of Completion under the post-2015 amendment BCP.

Alvista Towers at 147-36 94th Avenue, Queens, NY

Alvista Towers at 147-36 94th Avenue in Jamaica, Queens, opened in 2018 with 380 affordable and mixed-income residential units, 105 parking spaces, and resident amenities. AKRF provided hazardous materials E-Designation services and conducted a pre-demolition asbestos survey for the 25-story building. The site was remediated under New York State's Brownfield Cleanup Program (soil excavation and the removal of seven underground storage tanks) and achieved an unrestricted-use Track 2 cleanup. This was the first project to receive a Certificate of Completion under the post-2015 amended program. Stephen Malinowski served as Deputy Project Manager.

Wyandanch Rising - 1 Washington, Wyandanch, NY

AKRF performed a Phase II subsurface investigation for the Albanese Organization to support the construction of Building B for the Wyandanch Rising project located on the Long Island Rail Road (LIRR) and Town of Babylon parking areas immediately located north of the Wyandanch train station. Prior to beginning the work, AKRF obtained a rail road protective liability insurance policy for the project and a Site Entry Permit from LIRR. The work consisted of the advancement of soil and groundwater borings as well as the inspection and sampling of 13 stormwater drywells and five sanitary leaching structures under the oversight of the Suffolk County Department of Health Services (SCDHS). Based on these results, the SCDHS issued a "no further action" letter and the client was able to obtain financing for the project.

Stephen Malinowski served as Project Manager and designed the scope of work based on recognized environmental conditions identified in a prior Phase I Environmental Site Assessment prepared by AKRF for the Wyandanch Brownfield opportunity Area.

Suffolk County Environmental Site Assessment, Suffolk County, NY

AKRF managed the environmental assessment and investigation of five commercial/industrial parcels across Suffolk County for a confidential client as part of a long-term lease agreement for power distribution purposes.

As part of the environmental due diligence process, Stephen Malinowski oversaw Phase I Environmental Site Assessment (ESA) for each parcel in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-13. The Phase I's included a reconnaissance of the Property, an evaluation of numerous historical reports obtained from the Suffolk County Department of Health Services and/or local building departments and select environmental databases to identify Recognized Environmental Conditions (RECs) associated with each parcel that could affect it reuse and/or present a risk. Based on the results, Stephen prepared custom scope of works for Phase II Site Investigations of each parcel to evaluate soil, groundwater and soil vapor conditions that could affect the reuse and to establish baseline conditions. He was responsible for the data interpretation and analysis and oversaw the

STEPHEN T. MALINOWSKI, QEP, NYSPG

SENIOR VICE PRESIDENT- SITE ASSESSMENT AND REMEDIATION

preparation of the Phase II Subsurface Investigation report detailing the findings, as well as providing cost estimating services to support the proposed site redevelopment.

ADRIANNA BOSCO

ENVIRONMENTAL ENGINEER

Adrianna Bosco is an environmental engineer experienced in the assessment, investigation, and remedial practices required to redevelop former industrial and manufacturing sites under New York State's Brownfield Cleanup Program.

BACKGROUND

Education
BS, Manhattan College, Environmental Engineering, 2011

Licenses/Certifications
OSHA 10 Hour Construction Safety & Health Course
OSHA 40 Hour HAZWOPER
OSHA 8 Hour Refresher

Professional Memberships
Committee Member - Policy Innovation Network, Citizens Housing Planning Council

Years of Experience
11 years in the industry
8 years with AKRF

RELEVANT EXPERIENCE

The Greenpoint at 21 India Street, Brooklyn, NY

AKRF provided site assessment/remediation services for The Greenpoint, a residential development along Brooklyn's East River waterfront. Investigation and remediation of the site was conducted under the NYSDEC Brownfield Cleanup Program.

Adrianna Bosco served as Deputy Project Manager and conducted a supplemental remedial investigation, including soil and groundwater sampling, and several rounds of waste characterization soil sampling. She performed remedial oversight during activities such as soil excavation and off-site disposal, underground storage tank (UST) removal, SSDS piping installation and testing, and routine air monitoring. Adrianna aided in the preparation of the Final Engineering Report (FER) and Site Management Plan (SMP).

22-60 46th Street, Queens, NY

Redevelopment plans are underway for 22-60 46th Street in the Ditmars-Steinway section of Astoria, Queens. The development program includes 173,000 square feet of affordable and market-rate rentals, retail space, and a performance venue for the Cyprian and Hellenic communities. AKRF is providing site assessment/remediation services and filed a Brownfield Cleanup Program application for this project. Adrianna Bosco serves as Project Manager.

J2 at 147-25 94th Avenue, Queens, NY

AKRF is providing site assessment/remediation, civil engineering, and E-Designation services related to noise and hazardous materials for J2, a 25-story residential and retail building at 147-25 94th Avenue in Jamaica, Queens. The

550,000-square-foot building will include 543 residential units, including affordable housing, and is located adjacent to the Jamaica Station transit hub. Construction of J2 broke ground in March 2020. A Certificate of Completion for participation in New York State's Brownfield Cleanup Program was issued by NYSDEC in December 2020. The project is currently under construction.

Adrianna Bosco prepared the Brownfield Cleanup Program application and Remedial Work Plan. She managed field activities associated with the Remedial Investigation to determine the vertical and horizontal extent of on-site contamination. Once construction begins, she will manage the on-site remediation and prepare NYSDEC-required submittals and reports.

The Wilfrid at 1888 Bathgate, Bronx, NY

AKRF is providing environmental consulting services in connection to the investigation and remediation of an approximately 36,000-square foot parcel enrolled in the Brownfield Cleanup Program. This former steel door manufacturing facility is contaminated with chlorinated solvents, including tetrachloroethene. The selected remedy included site-wide excavation of soil and bedrock, continuous air monitoring, collection of post-excavation endpoint samples, and implementation of an in-situ groundwater treatment program.

Adrianna Bosco managed various field efforts, including a Remedial Design Investigation to develop the groundwater treatment program and implementation of the Remedial Action Work Plan. Upon completion of the remediation, she prepared the Final Engineering Report and Site Management Plan for submission to the NYSDEC.

2350 Fifth Avenue - 141st Street & Fifth Avenue, New York, NY

Remedial investigation has included evaluation of soil, groundwater, soil vapor, indoor air, and building materials. Interim remediation included the removal of contaminated building materials and operation of an innovative sub-slab vapor extraction system retrofitted into the existing building. Phase 1 of the Remedial Action Work Plan consisted of further removal of contaminated building materials. Phase 2 of the remediation included a sub-slab depressurization system (SSDS) retrofitted into the existing building, soil vapor extraction (SVE) system, and chemical oxidation injection.

Adrianna Bosco served as the Environmental Scientist of the only New York State Department of Environmental Conservation's (NYSDEC) listed inactive hazardous waste (State Superfund) site in Manhattan, a former laundry/dry cleaning plant in Harlem. Remedial investigation included evaluation of soil, groundwater, soil vapor, indoor air, and building materials. Interim remediation included the removal of contaminated building materials and operation of an innovative sub-slab vapor extraction system retrofitted into the existing building. She performed remedial action oversight, including SSDS piping installation inspections and Health and Safety Plan (HASP) air monitoring for volatiles and particulates. Remedial action work was completed in 2014 and documented in a Final Engineering Report. NYSDEC issued Certificate of Completion in January 2015 and the site has been reclassified to a "Class 4" site (site properly closed – requires continued management). Ongoing activities continue under the NYSDEC-approved Site Management Plan, including operations, maintenance and monitoring of the SSDS and SVE system.

New York City School Construction Authority, On-Call Environmental Consulting, New York, NY

For new school sites, initial due diligence involves conducting Phase I environmental site assessments (ESAs) and multi-media sampling of soil, groundwater, and soil vapor to determine the suitability of a site for development as a school and remediation requirements and associated costs. Once design for a school is underway, AKRF would prepare remediation plans and construction specifications and oversee the construction activities. For existing school sites, the work can

involve conducting Phase I ESAs and indoor air quality testing, preparation of specifications, supervision of storage tank removals, investigation and remediation of spills, and development of remediation cost estimates.

Adrianna Bosco worked on the following assignments under this contract:

- Grace Nursery School (Brooklyn)
- PS 340X
- SCA ERC Hazmat CS

OER On-Call Contract, Various Locations, NY

The work has included conducting Phase I environmental site assessments (ESAs) and multi-media sampling of soil, groundwater, and soil vapor for various sites funded by EPA grants. The work plans and investigation reports were completed in accordance with OER and EPA requirements. AKRF also implemented a remedial plan for capping a park site in Staten Island. In addition, AKRF provided support to OER and an affordable housing developer to expedite an application for entry into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP), as well as preparation and implementation of the remedial investigation and remedial plan. Adrianna Bosco served as Deputy Project Manager.

Elton Crossing - Melrose Commons North Site C, Bronx, NY

AKRF provided environmental consulting services in connection with the purchase and redevelopment of the Elton Crossing site at 899 Elton Avenue in the Bronx, NY. The work initially involved the preparation of a Phase II subsurface investigation including soil and soil vapor testing to determine if the site would be eligible for the New York State Brownfield Cleanup Program (NYSBCP). Upon completion of the investigation, AKRF prepared a NYCBCP Application and the site was accepted into the NYSBCP. AKRF managed all aspects of the brownfield cleanup including; development of Investigation Work Plans, performing Remedial Investigations and Reports, preparation of Phase I ESAs, preparation of a Citizen Participation Plan, distribution of public notices, preparation and implementation of a Remedial Action Work Plan (RAWP), design of a sub-slab depressurization system, preparation of the Final Engineering Report and Site Management Plan, and sampling and management of soil disposal. AKRF is in the midst of implementing the Site Management Plan.

Adrianna Bosco provided remedial oversight during soil excavation, confirmatory endpoint sampling, SSDS piping installation and inspections, vapor barrier installation, and air monitoring for particulates and volatile organic compounds (VOCs).

Northeast Bronx YMCA, Bronx, NY

The firm was asked to assist the YMCA of Greater New York in its response to a request for proposals by the Economic Development Corporation for the development of a site in the Edenwald section of the Bronx into a community center. AKRF had provided earlier hazardous materials and site-civil engineering due diligence services on the site. The YMCA was successful in winning the development rights, and AKRF prepared an Environmental Assessment for the site. Adrianna Bosco served as Environmental Scientist.

The Crossing at Jamaica Station, Jamaica, NY

ADRIANNA BOSCO

ENVIRONMENTAL ENGINEER

AKRF is assisting BRP Properties with a massive construction project next to the Jamaica Train Station that would result in an approximately 755,000-gsf mixed use development containing approximately 578,000 gsf of residential use (580 affordable housing units, of which 194 units would be reserved for families earning 40 to 60 percent of area median income [AMI]); approximately 14,660 gsf of community facility use; approximately 104,800 gsf of retail use (including commercial storage and loading dock); and approximately 56,900 gsf for parking, loading, and mechanical space. The site, which has an E-designation for hazardous materials, was entered into the NYSDEC's Voluntary Cleanup Program (VCP). Adrianna Bosco serves as Environmental Scientist.

American Museum of Natural History Gilder Center Expansion, New York, NY

AKRF is preparing this Environmental Impact Statement (EIS) to assess the potential environmental impacts associated with an approximately 220,000 square-foot expansion of the American Museum of Natural History. This expansion would largely take the form of a new building, the Richard Gilder Center for Science, Education, and Innovation, located on the Columbus Avenue side of the Museum campus.

Edwin's Place at 833 Howard Avenue, Brooklyn, NY

AKRF provided CEQR environmental planning and site assessment/remediation services for Edwin's Place, a new 125-unit affordable and supportive housing building on the corner of Livonia Avenue and Grafton Street in Brownsville, Brooklyn, that opened in July 2021. We prepared the Environmental Assessment Statement and hazardous materials reports for the project site, including a Phase I environmental site assessment and Phase II subsurface investigation. The New York City Department of Housing Preservation and Development was Lead Agency under CEQR for the project that included such discretionary approvals as zoning map amendments, a special permit, mayoral zoning overrides, and the disposition of city-owned property by NYCHPD. Housing is set aside for formerly homeless families and low-income New Yorkers, and amenities include a ground-floor community facility, sunken garden courtyard, computer lab, and other facilities. Adrianna Bosco served as Environmental Scientist.

On-Call for Professional Services for EAS, New York, NY

AKRF worked with DDC, DOT, and NYSDOT on a full roadway and sidewalk reconstruction project along Main Street between 38th Avenue and 40th Road in Downtown Flushing, Queens. The goal of the project was focused on formalizing a DOT pilot program for improving pedestrian circulation and safety in an area that experiences some of the highest pedestrian traffic in New York City given its proximity to the terminus of the 7-train subway line at Flushing Main Street station and Long Island Railroad (LIRR) Flushing Main Street station as well as numerous bus routes, in conjunction with traffic study and analysis, and environmental impact analysis for the proposed widening of sidewalks within the project limits. This unique project tied together the interconnected relationship between the proposed reconstruction engineering and the balance of improving pedestrian accommodation, flow, and safety with maintaining modified vehicular flow and acceptable level of service along Main Street which experiences notably high volumes of intermodal pedestrian, train, bus, and vehicular traffic. Design scope included reconstruction of the roadway and curb to widen sidewalks, traffic study and analysis, and environmental impact assessment including Design Approval Document and Plans, Specifications and Estimate (PS&E) submission to NYSDOT for review and approval associated with Federal funding allocated for the project. AKRF developed the preliminary design and final design plans for the reconstruction project. Adrianna Bosco served as Environmental Scientist.

Garden City Union Free School District Environmental Consulting Services, Garden City, NY

AKRF was retained by the Garden City Union Free School District (UFSD) to provide environmental consulting services pertaining to a United States Environmental Protection Agency (EPA) Superfund Site, known as the Old

Roosevelt Field Contaminated Groundwater Area Site or Old Roosevelt Airfield. Concern was raised as to whether contamination associated with the Old Roosevelt Airfield had the potential to impact public school facilities within the Garden City UFSD. The Old Roosevelt Airfield was historically operated by the United States Army and Navy between approximately 1911 and 1951 as a facility to receive, refuel, crate, and ship army aircrafts. Previous investigations conducted within the footprint of the Old Roosevelt Airfield identified elevated levels of the chlorinated solvents tetrachloroethene (PCE) and trichloroethene (TCE) in a deep groundwater plume.

AKRF reviewed publicly available records and reports to understand the nature and extent of contamination and to determine if any testing was warranted to further protect the health and safety of the students and faculty at public school facilities. AKRF conducted a Soil Vapor Intrusion (SVI) assessment at two public schools to evaluate whether chlorinated solvents associated with the regional deep groundwater affected indoor air quality. The SVI assessment included a pre-sampling inspection and analysis of sub-slab soil vapor, indoor air, and ambient air conditions. AKRF prepared a presentations to the School Board and community members detailing the testing methodologies and to present the findings.

Adrianna Bosco served as Deputy Project Manager.

56 North Moore Street, New York, NY

AKRF is providing site assessment/remediation services for the construction of a three-story infill and addition at 56 North Moore Street in Manhattan's Tribeca West Historic District. Adrianna Bosco serves as Deputy Project Manager.

Twin Parks Terrace, Bronx, NY

AKRF provided site assessment/remediation services on behalf of NYCHA in connection with a joint application for conversion of assistance under HUD's Rental Assistance Demonstration and Section 18 disposition programs. We then supported the public/private partnership formed between NYCHA and Highbridge Affordable Group for leasing, financing, capital rehabilitation, operation, property management, and social service delivery at several public housing developments in the Bronx, including Twin Parks West (Sites 1 and 2). AKRF proceeded to work on behalf of Settlement Housing Fund for Twin Parks Terrace, the proposed redevelopment of a parking lot adjacent to Twin Parks West (Sites 1 and 2). Twin Parks Terrace will be a 14-story building with 182 units of affordable housing, 10,000 square feet of commercial space, and 1,800 square feet of community facility space. Social services will be provided by BronxWorks. Adrianna Bosco served as Project Manager.

East Side Coastal Resiliency (ESCR) Preliminary & Final Design, New York, NY

AKRF is leading a multidisciplinary design team that was selected by the New York City agency partnership of NYCDDC, New York City Department of Parks and Recreation (NYC Parks), New York City Department of Transportation, and the Mayor's Office of Recovery and Resiliency (ORR) to provide engineering, planning, landscape architecture, urban design and community engagement services for the Preliminary and Final Design Services for East Side Coastal Resiliency (ESCR).

Adrianna Bosco conducted a portion of the 2016 subsurface investigation. The ESCR subsurface exploration program involved a review of available utility plans and environmental reports involving manufactured gas plant (MGP) and petroleum-related contamination. Responsibilities included groundwater sampling, soil boring and temporary well installation, and compliance with the Supplemental Subsurface Investigation Work Plan.

New York City School Construction Authority, On-Call Environmental Consulting, New York, NY

ADRIANNA BOSCO

ENVIRONMENTAL ENGINEER

AKRF's on-call hazardous materials consulting contract with the New York City School Construction Authority (NYCSCA). In addition to conducting Phase I and Phase II Environmental Site Assessments, AKRF performed lead in drinking water sampling in about 160 schools during two three-month periods. AKRF continues to provide lead sampling, reporting and remedial recommendations, as new plumbing is installed. AKRF also oversees plumbing disinfection work, which is required prior to new plumbing being placed into service. The assignments involve reviewing and commenting on disinfection plans, supervision of the disinfection and confirmation testing, and preparation of reports documenting the work was conducted in accordance with the specifications and applicable requirements. Due to the sensitivity of school sites, work under this contract is often conducted on short notice and during non-school hours.

Adrianna Bosco worked on the following assignments under this contract:

- PS 153Q - Construction
- PS 108K - Water Disinfection
- PS 195K - Addition
- PS 58K
- 8501 5th Avenue Brooklyn
- PS 1K Annex
- Midwood HS Boiler
- 980 Atlantic Ave Brooklyn
- 1223 Coney Island Ave Brooklyn
- PS 97X
- PS 19Q Phase I Update
- 6901 34th Ave Queens
- PS 75M - Ust Closure
- 67-69 Schermerhorn Avenue
- St Vincent Ferrer
- Our Lady of Help
- 131 Union Street
- 621 86th Street
- Our Lady of Mercy
- 335 Adams Street
- SCA Potable Water Sampling
- City-Wide Water Sampling
- 141 Conover Street
- 21-31 and 35 Delavan Street

JESSICA HOLM

SENIOR PROFESSIONAL/ENVIRONMENTAL SCIENTIST – SITE ASSESSMENT AND REMEDIATION

Jessica Holm is an Environmental Scientist in AKRF's Site Assessment and Remediation group, with experience conducting environmental sampling and monitoring, subsurface and vapor intrusion investigations, potable drinking water and indoor environmental testing, remediation system operation and maintenance, and technical reporting.

EDUCATION

B.S. Environmental Science, Susquehanna University, 2015

CERTIFICATIONS

OSHA 40-hour HAZWOPER Certified
OSHA 30-hour Construction Safety Training
OSHA 10-hour Construction Industry
USEPA/NJDOH Lead-Based Paint Risk Assessor

YEARS OF EXPERIENCE

8 years in the industry
1 year at AKRF

RELEVANT EXPERIENCE – AKRF

New York City School Construction Authority On-Call Contracts for Environmental Consulting Services, Various Sites, NY

AKRF has undertaken various assignments under five consecutive hazardous materials on-call contracts, including environmental assessment, remedial design, construction support, plumbing disinfection, and potable water (lead) sampling consulting tasks. For potential new school sites, assignments include initial due diligence, Phase I environmental site assessments, and subsurface investigation of soil, groundwater, and soil vapor to determine the suitability of a site for development as a school, likely remediation requirements, and associated costs. For sites undergoing design and development, assignments include preparation of remediation plans, design of sub-slab depressurization systems and contract specifications, and construction oversight. The work also includes conducting indoor air quality testing, vapor intrusion assessments, preparation of specifications and construction management for petroleum storage tank removals, and investigation and remediation of spills for existing schools. Under the most recent contract, Jessica Holm helped to complete a Phase I Environmental Site Assessment for the site of a proposed annex for John Bowne High School in Queens.

Remedial Action – MGD South Portland, Brooklyn, New York

AKRF performed a Remedial Action at the MGD South Portland Site as part of the NYC Voluntary Cleanup Program. Jessica Holm assisted in preparing the Remedial Action Report for submittal to the NYC Office of Environmental Remediation (OER).

Phase I ESA – 2955 West 29th Street, Brooklyn, New York

Jessica Holm completed a Phase I Environmental Site Assessment (ESA) in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-13 and E1527-21, which included documentary

research to determine past uses on the Property, a site inspection, interviews, review of regulatory databases and preparing the final report.

Remedial Action – Pyne Residence, Far Hills, New Jersey

AKRF performed a Remedial Action which included the in-situ treatment of contaminated groundwater using bio-stimulation and bio-augmentation to reduce the contaminant mass in the overburden aquifer at the Site. Jessica Holm supervised the system decommissioning, after the groundwater monitoring program was complete, indicating the treatment system was effective in reducing the contaminants to below applicable NJDEP Groundwater Quality Standards. Additionally, Ms. Holm prepared the Remedial Action Report for submittal to the New Jersey Department of Environmental Protection (NJDEP).

Remedial Action – PSEG Target Range, Lower Alloways Creek, New Jersey

AKRF performed a Remedial Action at the PSEG Target Range for the remediation of lead in soils by implementing in-situ soil stabilization at the Site. Jessica Holm performed air monitoring, oversaw remedial activities and collected appropriate end-point and composite samples to document the soil stabilization process was effective in compliance with the NJDEP regulations.

Remedial Investigation – NYSDOT Livingston Avenue Bridge, Albany, New York

Jessica Holm performed oversight and collected sediment samples for selected analytical parameters during the installation of geotechnical borings within the Hudson River for this project.

RELEVANT EXPERIENCE – TECTONIC ENGINEERING, MOUNTAINSIDE, NJ

Jersey City Public Schools Environmental Consulting Services – Jersey City, New Jersey

Jessica Holm conducted a multitude of environmental projects for the district including drinking water testing, performing right-to-know surveys, soil and groundwater sampling related to existing underground storage tanks (USTs), indoor air sampling, assistance with indoor environmental health assessments (IEHA), and technical reporting.

Passaic Board of Education Environmental Consulting Services - Passaic, New Jersey

Jessica Holm conducted drinking water testing at various schools within the district as well as assisted in the asbestos monitoring program inspection and reporting pursuant to the Asbestos Hazardous Emergency Response Act (AHERA).

Preliminary Assessments for Various Child Care Centers in New Jersey

Jessica Holm conducted multiple Phase I ESAs/Preliminary Assessments (PAs) including site review, data research and final reporting for various childcare centers in New Jersey.

RELEVANT EXPERIENCE – BOSWELL ENGINEERING, SOUTH HACKENSACK, NJ

Remedial Investigation/Remedial Action - G.I. Auto Salvage, Montville, New Jersey

Jessica Holm conducted remedial investigation and oversaw remedial actions as part of the development of a Site-Specific Remediation Standard and Classification Exception Area (CEA) for groundwater contamination present at the Site. Her work included: preparation of the Site Implementing Plan (SIP) for submittal to the United States Environmental Protection Agency (USEPA) for polychlorinated biphenyl (PCB) soil contamination; oversight of in-situ chemical oxidation (ISCO) injections for contaminated groundwater; oversight of soil excavation at multiple areas of concern (AOC); collection of post excavation samples pursuant to the SIP or Remedial Action Workplan (RAWP); and oversight of monitoring well installations and decommissioning.

Site Investigation/Remedial Investigation – Woodport Road, Sparta, New Jersey

Jessica Holm worked on the delineation of groundwater contamination in accordance with NJDEP requirements through the installation of monitoring wells and subsequent groundwater sampling as well as related indoor air sampling as part of the monitoring program. She provided an in-depth review and interpretation of laboratory data and previously performed remedial activities as part of the preparation of the Site and Remedial Investigation (SI/RI) technical reports for submittal to the NJDEP.

MICHAEL BATES

GEOLOGIST – SITE ASSESSMENT AND REMEDIATION

Michael Bates is a Geologist/Environmental Professional II in AKRF's Site Assessment and Remediation group, with experience in environmental sampling and monitoring during site remediation, subsurface and vapor intrusion investigations, remediation system operation and maintenance, and technical reporting.

BACKGROUND

Role in Project
Junior Environmental Scientist

EDUCATION

B.A. Geology, SUNY Geneseo, May 2017

CERTIFICATIONS

OSHA 40-hour Hazardous Waste Operations and Emergency Response Training
OSHA 30-hour Construction Safety Training
EPA Lead Risk Assessor
NY Certified Asbestos Inspector

YEARS OF EXPERIENCE

2 years in the industry

6 months with AKRF

RELEVANT EXPERIENCE

New York City School Construction Authority On-Call Contracts for Environmental Consulting Services, Various Sites, NY

AKRF has undertaken various assignments under five consecutive hazardous materials on-call contracts, including environmental assessment, remedial design, construction support, plumbing disinfection, and potable water (lead) sampling consulting tasks. For potential new school sites, assignments include initial due diligence, Phase I environmental site assessments, and subsurface investigation of soil, groundwater, and soil vapor to determine the suitability of a site for development as a school, likely remediation requirements, and associated costs. For sites undergoing design and development, assignments include preparation of remediation plans, design of sub-slab depressurization systems and contract specifications, and construction oversight. The work also includes conducting indoor air quality testing, vapor intrusion assessments, preparation of specifications and construction management for petroleum storage tank removals, and investigation and remediation of spills for existing schools. Under the most recent contract, Michael Bates has completed waste characterization sampling for planned improvements at an existing school facility (K597) and conducted environmental oversight and community air monitoring during construction of a new school facility (X468).

Phipps Houses, Atlantic Chestnut, Brooklyn, NY

AKRF was retained to provide environmental consulting services in connection with the purchase and redevelopment of former burned manufacturing buildings encompassing an entire city block in Brooklyn, New York. AKRF conducted due diligence prior to acquisition, and facilitated entry into the New York State Brownfield Cleanup Program (NYSBCP) to delineate contamination in soil, groundwater, and soil vapor; and remediate the lots during redevelopment. AKRF designed and implemented several rounds of investigations and remedies. The first phase of the project received NYSDEC sign off in 2022 and the second phase of the project is currently being remediated and redeveloped. The remedies include groundwater injections and treatment, fuel oil recovery and tank closure, management of soil disposal, excavation and disposal of hazardous and non-hazardous waste streams, installation and operation of soil vapor extraction systems and sub-slab depressurization systems, and long-term groundwater and vapor monitoring and reporting to ensure compliance with the NYSBCP. Michael Bates served as an on-site environmental during the complex beginning stages of the second phase of remediation, and completed hazardous waste delineation sampling.

Newtown Creek Bud Site - North Block, Queens, NY

AKRF is providing environmental planning and site assessment/remediation services for a 575-unit, 34-story apartment building at 55-01 Second Street and an 812-unit, 39-story building at 2-10 54th Avenue in Long Island City. The buildings will total 1.43 million square feet. The site was investigated and is being remediated under the NYS Brownfield Cleanup Program. Michael Bates served as an on-site environmental monitor during construction to ensure compliance with the Remedial Action Work Plan. His duties included community and work zone air monitoring, soil disposal and import tracking, inspection of the sub-slab depressurization system installation, and associated reporting.

1100 Myrtle Avenue, Brooklyn, NY

AKRF prepared a Remedial Investigation Work Plan (RIWP) for New York City Mayor's Office of Environmental Remediation (OER) and performed the associated Remedial Investigation. Following, the site was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP), after which AKRF conducted additional investigation and prepared a Remedial Action Work Plan (RAWP). Michael Bates conducted inspections during start-up of the sub-slab depressurization system and soil vapor extraction system, which were installed under the new building in accordance with the RAWP and associated design documents.

221 Glenmore Avenue, Brooklyn, New York

AKRF is conducting a large-scale Remedial Investigation at a former lighting company facility in support of a NYSDEC Brownfield Cleanup Program application and anticipated remediation. Michael Bates performed groundwater sampling of newly installed and existing monitoring wells at the Site in accordance with EPA low-flow sampling protocols and preformed soil vapor sampling from nested vapor points to determine the vertical distribution of chlorinated solvent contamination in the subsurface.

BESS, Astoria, Queens, New York

AKRF prepared and is implementing a Construction Health and Safety Plan (CHASP, approved by the New York Power Authority) during construction of a stand-alone new battery energy storage system at a Con Edison facility in Astoria Queens. Michael Bates served as an on-site environmental monitor during construction to ensure compliance with the CHASP. His duties included community and work zone air monitoring during utility clearance and waste characterization sampling.

PREVIOUS EXPERIENCE

As a Staff Geologist at two previous environmental consulting firms, Michael Bates conducted subsurface investigations, low-flow groundwater sampling, and soil vapor sampling, and prepared associated technical reports. He also conducted routine O&M and monitoring of large groundwater and soil vapor treatment

systems and sub-slab depressurization systems, and oversaw installation/rehabilitation of recovery wells for system upgrades.

Lori A. Beyer

SUMMARY: General Manager/Laboratory Director with a solid technical background combined with Management experience in environmental testing industry. Outstanding organizational, leadership, communication and technical skills. Customer focused, quality oriented professional with consistently high marks in customer/employee satisfaction.

EXPERIENCE:

1998-Present L.A.B. Validation Corporation, 14 West Point Drive, East Northport, NY
President

- Perform Data Validation activities relating to laboratory generated Organic and Inorganic Environmental Data.

1998-Present American Analytical Laboratories, LLC. 56 Toledo Street, Farmingdale, NY
Laboratory Director/Technical Director

- Plan, direct and control the operation, development and implementation of programs for the entire laboratory to meet AAL's financial and operational performance standards.
- Ensures that all operations follow AAL's QA manual and other appropriate regulatory requirements.
- Actively maintains a safe and healthy working environmental that is demanded by local laws/regulations.
- Monitors and manages group's performance with respect to data quality, on time delivery, safety, analyst development/goal achievement and any other key performance indices.
- Reviews work for accuracy and completeness prior to release of results to customers.

1996-1998 Nytest Environmental, Inc. (NEI) Port Washington, New York
General Manager

- Responsible for controlling the operation of an 18,000-square foot facility to meet NEI's financial and operational performance standards.
- Management of 65 FTEs including Sales and Operations
- Ensure that all operations follow NEI's QA procedures
- Ensures that productivity indicators, staffing levels and other cost factors are held within established guidelines
- Maintains a quantified model of laboratory's capacity and uses this model as the basis for controlling the flow of work into and through the lab to ensure that customer requirements and lab's revenue and contribution targets are achieved.

1994-1996 Nytest Environmental, Inc. (NEI) Port Washington, New York
Technical Project Manager

- Responsible for the coordination and implementation of environmental testing programs requirements between NEI and their customers
- Supervise Customer Service Department
- Assist in the development of major proposals
- Complete management of all Federal and State Contracts and assigned commercial contracts
- Provide technical assistance to the customer, including data validation and interpretation
- Review and implement Project specific QAPP's.

1995 Nytest Environmental, Inc. (NEI) Port Washington, New York
Corporate QA/QC Officer

- Responsible for the implementation of QA practices as required in the NJDEP and EPA Contracts
- Primary contact for NJDEP QA/QC issues including SOP preparation, review and approval
- Responsible for review, verification and adherence to the Contract requirements and NEI QA Plan

1992-1994 Nytest Environmental, Inc. (NEI) Port Washington, New York
Data Review Manager

- Responsible for the accurate compilation, review and delivery of analytical data to the company's customers. Directly and effectively supervised a department of 22 personnel.
- Managed activities of the data processing software including method development, form creation, and production
- Implement new protocol requirements for report and data management formats
- Maintained control of data storage/archival areas as EPA/CLP document control officer

1987-1991 Nytest Environmental, Inc. (NEI) Port Washington, New York
Data Review Specialist

- Responsible for the review of GC, GC/MS, Metals and Wet Chemistry data in accordance with regulatory requirements
- Proficient with USEPA, NYSDEC, NJDEP and NEESA requirements
- Review data generated in accordance with SW846, NYSDEC ASP, EPA/CLP and 40 CFR Methodologies

1986-1987 Nytest Environmental, Inc (NEI) Port Washington, New York
GC/MS VOA Analyst

EDUCATION:

1982-1985 State University of New York at Stony Brook, New York; BS Biology/Biochemistry
1981-1982 University of Delaware; Biology/Chemistry
5/91 Rutgers University; Mass Spectral Data Interpretation Course, GC/MS Training
8/92 Westchester Community College; Organic Data Validation Course
9/93 Westchester Community College; Inorganic Data Validation Course

APPENDIX C

HEALTH AND SAFETY PLAN

2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

HEALTH AND SAFETY PLAN

NYSDEC BCP Site No: C224362
AKRF Project Number: 220241

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
Albany, New York 12233

Prepared On Behalf Of:

2647 Stillwell Avenue Property LLC
% Turnbridge Equities
4 Bryant Park, Suite 200
New York, NY 10018

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

MAY 2023

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ATTACHMENTS

1.0 INTRODUCTION

This environmental Health and Safety Plan (HASP) has been developed for the implementation of a Remedial Investigation (RI) by AKRF, Inc. (AKRF) personnel and its subcontractors at the 2647 Stillwell Avenue site located at 2647 Stillwell Avenue in the Coney Island section of Brooklyn, New York, hereafter referred to as the "Site." The Site is identified by the City of New York as Borough of Brooklyn, Block 7247, Lots 200, 203, 205, 206, 211, and 213.

Currently, the approximately 1.87-acre Site consists of a concrete-paved yard with empty metal storage containers and a former office. The Site was most recently operated by T&J Auto Salvage, an auto salvage yard, and Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company, up until April 14, 2023. A concrete-paved roadway is located along the southern boundary of the Site adjacent to Coney Island Creek, and a portion of the roadway is encroaching approximately 22 feet onto Block 7247, Lot 1 (Coney Island Creek). Approximately 55 feet of the northern portion of the former salvage yard encroaches into an easement for the adjacent Belt Parkway.

The Site is bounded to the north by as easement area that appears to be associated with the Belt Parkway, followed by the Belt Parkway (a.k.a. Shore Parkway), followed by parking lots; to the east by the Metropolitan Transit Authority (MTA) D, F, N, and Q train lines, followed by vacant land and MTA's Coney Island Yard; to the south by Coney Island Creek; and to the west by Stillwell Avenue, followed by Coney Island Creek. The surrounding area comprises predominantly industrial and commercial uses. A Site Location Map is provided as Figure 1.

Based on available data collected to date, the primary contaminants of concern for the Site are petroleum-related volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) [a class of semivolatile organic compounds (SVOCs) commonly found in historic fill], and metals in soil, and petroleum-related VOCs, SVOCs, and metals in groundwater.

This HASP does not discuss routine health and safety issues common to general construction and excavation, including, but not, limited to slips, trips, falls, shoring, and other physical hazards. All AKRF employees are directed that all work must be performed in accordance with the AKRF's Generic HASP and all Occupation Safety and Health Administration (OSHA)-applicable regulations for the work activities required for the project. This HASP also includes supplemental requirements to minimize potential exposure related to COVID-19 (see Attachment D). All project personnel are furthermore directed that they are not permitted to enter Permit Required Confined Spaces (as defined by OSHA). For issues unrelated to contaminated materials, all non-AKRF employees are to be bound by all applicable OSHA regulations as well as any more stringent requirements specified by their employer in their corporate HASP or otherwise. AKRF is not responsible for providing oversight for issues unrelated to contaminated materials for non-employees. This oversight shall be the responsibility of the employer of that worker or other official designated by that employer.

2.0 HEALTH AND SAFETY GUIDELINES AND PROCEDURES

2.1 Hazard Evaluation

2.1.1 Hazards of Concern

Hazards of concern include: organic and inorganic chemicals, and heat and/or cold stress.

2.1.2 Physical Characteristics

Physical characteristics of the hazards of concern include solid, aqueous, and vapor states.

2.1.3 Hazardous Materials

The Site-specific hazardous materials that may be encountered during RI implementation include: historical fill material, solvent-related VOCs, SVOCs, petroleum, polychlorinated biphenyls (PCBs), and/or metals.

2.1.4 Chemicals of Concern

Chemical	REL/PEL/STEL	Health Hazards
Arsenic	REL C: 0.002 mg/m^3 PEL: 0.010 mg/m^3	Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen].
Barium	REL/PEL: 0.5 mg/m^3	Irritation eyes, skin, upper respiratory system; skin burns; gastroenteritis; muscle spasm; slow pulse, extrasystoles; hypokalemia
Benzene	REL: 0.1 ppm N STEL: 1 ppm PEL: 1 ppm O STEL: 5 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen].
Bis(2-ethylhexyl)phthalate Di(2-ethylhexyl)phthalate	REL: 5 mg/m^3 N STEL: 10 mg/m^3 PEL: 5 mg/m^3	Irritation eyes, mucous membrane; In Animals: liver damage; teratogenic effects; [potential occupational carcinogen].
Cadmium	PEL: 0.005 mg/m^3	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen].
DDD, DDE, & DDT	REL: 0.5 mg/m^3 PEL: 1 mg/m^3	Irritation eyes, skin; paresthesia tongue, lips, face; tremor; anxiety, dizziness, confusion, malaise (vague feeling of discomfort), headache, lassitude (weakness, exhaustion); convulsions; paresis hands; vomiting; [potential occupational carcinogen].

Chemical	REL/PEL/STEL	Health Hazards
Ethylbenzene	REL: 100 ppm N STEL: 125 ppm PEL: 100 ppm	Irritation eyes, nose, respiratory system; headache, lassitude (weakness, exhaustion), dizziness, confusion, malaise (vague feeling of discomfort), drowsiness, unsteady gait; narcosis; defatting dermatitis; possible liver injury; reproductive effects.
Fuel Oils	REL: 100 mg/m^3	Irritation eyes, skin, nose, throat; burning sensation in chest; headache, nausea, lassitude (weakness, exhaustion), restlessness, incoordination, confusion, drowsiness; vomiting, diarrhea; dermatitis; chemical pneumonitis (aspiration liquid).
Isopropyl benzene	REL/PEL: 50 ppm	Irritation eyes, skin, mucous membrane; dermatitis; headache, narcosis, coma
Lead	REL: 0.050 mg/m^3 PEL:0.050 mg/m^3	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension.
Mercury	REL: 0.05 mg/m^3 REL C: 0.1 mg/m^3 PEL: 0.1 mg/m^3	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria.
Methyl Tert-Butyl Ether	PEL: 50 ppm	Drowsiness, dizziness, headache, weakness, unconsciousness; redness of skin and eyes; Acute ingestion: Nausea, vomiting, abdominal pain; chemical pneumonitis (by aspiration).
Naphthalene	REL: 10 ppm N STEL: 15 ppm PEL: 10 ppm	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage.

Chemical	REL/PEL/STEL	Health Hazards
PAHs	REL: 0.1 mg/m^3 PEL: 0.2 mg/m^3	Effects reported from occupational exposure to PAHs include chronic bronchitis, chronic cough irritation, bronchogenic cancer, dermatitis, cutaneous photosensitization, and pilosebaceous reactions. Reported health effects associated with chronic exposure to coal tar and its by-products (e.g., PAHs): Skin: erythema, burns, and warts on sun-exposed areas with progression to cancer. The toxic effects of coal tar are enhanced by exposure to ultraviolet light. Eyes: irritation and photosensitivity. Respiratory system: cough, bronchitis, and bronchogenic cancer. Gastrointestinal system: leukoplakia, buccal-pharyngeal cancer, and cancer of the lip. Hematopoietic system: leukemia (inconclusive) and lymphoma. Genitourinary system: hematuria and kidney and bladder cancers.
PCBs	REL: 0.001 mg/m^3 PEL: 0.5 mg/m^3	Irritation eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen].
Tetrachloroethylene	PEL: 100 ppm PEL C: 200 ppm; max peak: 300 ppm	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen].
Trichloroethylene	PEL: 100 ppm PEL C: 200 ppm; 5-min max peak: 300 ppm	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen].
Trimethylbenzene	REL: 25 ppm	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)
Toluene	REL: 100 ppm N STEL: 150 ppm PEL: 200 ppm PEL C: 300 ppm; 10-min max peak: 500 ppm	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage.
Xylene	REL: 100 ppm N STEL: 150 ppm PEL: 100 ppm	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.

Chemical	REL/PEL/STEL	Health Hazards
Zinc	REL: 5 mg/m^3 REL C: 15 mg/m^3 N STEL: 10 mg/m^3 PEL: 5 mg/m^3 (ZnO fume); 15 mg/m^3 (ZnO dust)	Chills, elevated body temperature, myalgia, cough, fatigue, chest pain, stomach cramps, nausea, anemia, changes in cholesterol levels, and vomiting.
Notes: REL: Recommended exposure limit (NIOSH) PEL: Permissable exposure limits (OSHA) STEL: Short-term exposure limit N: NIOSH O: OSHA C: Ceiling		

The potential health effects from these known and suspected on-site contaminants are provided in Attachment A.

2.2 Designated Personnel

AKRF will appoint one of its on-site personnel as the Site Safety Officer (SSO). This individual will be responsible for the implementation of the HASP. The SSO will work under the direction of a Qualified Environmental Professional (QEP) and will be experienced in the implementation of air monitoring and hazardous materials sampling programs. Health and safety training required for the SSO and all field personnel are outlined in Section 2.3 of this HASP.

2.3 Training

All personnel who enter the work area while intrusive activities are being performed will have completed a 40-hour training course that meets OSHA requirements of 29 CFR Part 1910, Occupational Safety and Health Standards. In addition, all personnel will have up-to-date 8-hour refresher training. The training will allow personnel to recognize and understand the potential hazards to health and safety. All field personnel must attend a training program, whose purpose is to:

- Make them aware of the potential hazards they may encounter;
- Provide the knowledge and skills necessary for them to perform the work with minimal risk to health and safety;
- Make them aware of the purpose and limitations of safety equipment; and
- Ensure that they can safely avoid or escape from emergencies.

Each member of the field crew will be instructed in these objectives before work begins. A Site safety meeting will be conducted at the start of the project work. Additional meetings shall be conducted, as necessary, for new personnel working at the Site.

2.4 Medical Surveillance Program

All AKRF and subcontractor personnel performing field work involving subsurface disturbance at the Site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120 (f). A physician's medical release for work will be confirmed by the SSO before an employee can begin Site activities. The medical release shall consider the type of work to be performed and the required personal protective equipment (PPE). The medical examination will, at a minimum, be provided annually and upon termination of hazardous waste Site work.

2.5 Site Work Zones

During any activities involving subsurface disturbance, the work area must be divided into various zones to prevent the spread of any contamination, ensure that proper PPE is donned, and provide an area for decontamination.

The Exclusion Zone is defined as the area where exposure to impacted media could be encountered. The Contamination Reduction Zone (CRZ) is the area where decontamination procedures take place and is located next to the Exclusion Zone. The Support is the zone area where support facilities such as vehicles, fire extinguisher, and first aid supplies are located. The emergency staging area (part of the Support Zone) is the area where all workers on-site would assemble in the event of an emergency. A summary of these areas is provided below. These zones may be changed by the SSO, depending on that day's activities. All field personnel will be informed of the location of these zones before work begins. The exclusion zone and CRZ are 10 and 25 feet from the drill rig during the RI, respectively. Control measures such as caution tape and/or traffic cones will be placed around the perimeter of the work area when needed.

2.6 Personal Protection Equipment (PPE)

The PPE required for various kinds of investigation tasks are based on 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, Appendix B, "General Description and Discussion of the Levels of Protection and Protective Gear."

AKRF field personnel and other site personnel shall wear, at a minimum, Level D PPE. The protection will be based on the air monitoring described in Section 2.6.

Level D PPE includes donning of the following during drilling and sampling:

- Steel Toed Boots
- Hard Hat
- Work Gloves
- Safety Glasses
- Ear Plugs
- Nitrile Gloves
- Tyvek Suit [if non-aqueous phase liquid (NAPL) is present]

If photoionization detector (PID) readings exceed 5 parts per million (ppm) in the breathing zone, personnel will don Level C PPE, which includes Level D PPE and a half- or full-face respirator with a dual organic and particulate cartridge.

2.7 General Work Practices

To protect the health and safety of the field personnel, field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance:

- Eating, drinking, chewing gum or tobacco, and smoking are prohibited, except in designated areas on the Site. These areas will be designated by the SSO.
- Workers must wash their hands thoroughly on leaving the work area and before eating, drinking, or any other such activity.
- The workers should shower as soon as possible after leaving the Site. Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat/cold stress.

3.0 WORK ZONE AIR MONITORING

3.1 Work Zone/On-Site Worker Air Monitoring

3.1.1 Volatile Organic Compound (VOC) Monitoring

Continuous monitoring for VOCs will be conducted using roving hand-held equipment to monitor worker air levels during all ground-intrusive activities, including soil boring advancement and groundwater monitoring well installation. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background concentrations. VOCs will be monitored continuously at the downwind perimeter of the exclusion zone. Monitoring will be conducted with a photoionization detector (PID) equipped with a 10.6 electron Volt (eV) lamp capable of calculating 15-minute running average concentrations. More frequent intervals of monitoring will be conducted if required as determined by the SSO. All PID readings will be recorded and available for the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) personnel to review. Instantaneous readings will also be recorded.

3.1.2 Airborne Particulate Monitoring

A DustTrak® or equivalent would be used to measure real-time concentrations of total particulates 10 micrometers or less (PM10). Measurements for particulates will be taken prior to commencement of the work and during the work in areas and near the breathing zone of workers, where contaminated soil would be disturbed. The action levels listed in Table 1 are based on 15-minute averages of the monitoring data. The measurements will be made at the breathing height of the workers and as close to their location as practicable. The SSO will set up the equipment and confirm that it is working properly. His/her qualified designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish background levels. The final measurement for the day will be performed after the end of work. The action levels for particulates and VOCs and required responses are listed in Table 1 and are applicable for on-site workers only, who are directly involved with the RI scope.

Table 1
Work Zone Action Levels and Required Responses

Monitoring	Action Level[1]	Response Action
Particulate	Less than 0.125 mg/m^3 above background	**Level D or D-Modified** (Requires coveralls and steel toe boots) (As applicable: Chemical resistant gloves, chemical resistant boot covers, hard hat, safety glasses, face shield, or escape mask)
	Between 0.125 mg/m^3 and 0.150 mg/m^3 above background	**Level C** (Requires full face or half face respirator, hooded chemical resistant two-piece Tyvek suit or overalls, chemical resistant inner and outer gloves, chemical resistant boot covers, steel toe and shank boots) (As applicable: hard hat, face shield, or escape mask) Apply dust suppression measures. Resume work or upgrade.
	Greater than 0.150 mg/m^3 above background	Stop work. Apply additional dust suppression measures. Resume work when less than 0.150 mg/m^3 and maintain Level C.
Volatile Organic Compound (VOC)	Less than 5 ppm in breathing zone	**Level D or D-Modified**
	Between 5 and 50 ppm	**Level C**
	More than 50 ppm	Stop work. Resume work when source of vapors is abated and readings are less than 50 ppm above background.

Notes:
[1] - 15-minute time-weighted average
parts per million = ppm
milligrams per cubic meter = mg/m^3

4.0 EMERGENCY PROCEDURES AND EMERGENCY RESPONSE PLAN

The field crew will be equipped with emergency equipment, such as a first aid kit and disposable eye washes. In the case of a medical emergency, the SSO will determine the nature of the emergency and he/she will have someone call for an ambulance, if needed. If the nature of the injury is not serious, i.e., the person can be moved without expert emergency medical personnel, he/she should be taken to a hospital by on-site personnel. Directions to the hospital are provided below, and a Hospital Location Map showing the more direct route to the hospital is included as Figure 2.

4.1 Hospital Information

Hospital Name:	NYC Health and Hospitals/Coney Island
Phone Number:	(718) 960-9000
Address:	4422 3rd Avenue, Bronx, NY 10457
Directions:	1. Take W 13th Street out of the site 2. Turn LEFT onto Avenue Z 3. Turn LEFT onto Stillwell Avenue. 4. Turn LEFT onto Neptune Avenue. 5. Turn LEFT onto Shell Road 6. Keep RIGHT on Shell Road as it becomes Shore Parkway 7. Turn LEFT onto Ocean Parkway The emergency room will be on the RIGHT on Ocean Parkway. The entrance is the driveway just before the building.

4.2 Emergency Contacts

Company	Individual Name	Title	Contact Number
AKRF	Stephen Malinowski	Project Director, QEP	(631) 574-3724
	Adrianna Bosco	Project Manager	(646) 388-9576
	Jessica Holm	Field Team Leader/Site Safety Officer (SSO)	(646) 388-9784
	Michael Bates	Alternate Field Team Leader/SSO	(914) 355-0693 (cell)
2647 Stillwell Avenue Property LLC	Ryan Nelson	BCP Applicant's Representative	(917) 346-5942 (office)
Ambulance, Fire Department & Police Department	-	-	911
NYSDEC Spill Hotline	-	-	800-457-7362

5.0 APPROVAL & ACKNOWLEDGMENTS OF HASP

5.1 Approval

Signed: _____ Date: _____

AKRF Project Manager

Signed: _____ Date: _____

AKRF Health and Safety Officer

Below is an affidavit that must be signed by all workers who enter the site. A copy of the HASP must be on-site at all times and will be kept by the SSO.

5.2 Affidavit

I have read the Health and Safety Plan (HASP) for the project located at the 2647 Stillwell Avenue site located at 2647 Stillwell Avenue in Brooklyn, New York. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

Signed: _____ Company: _____ Date: _____
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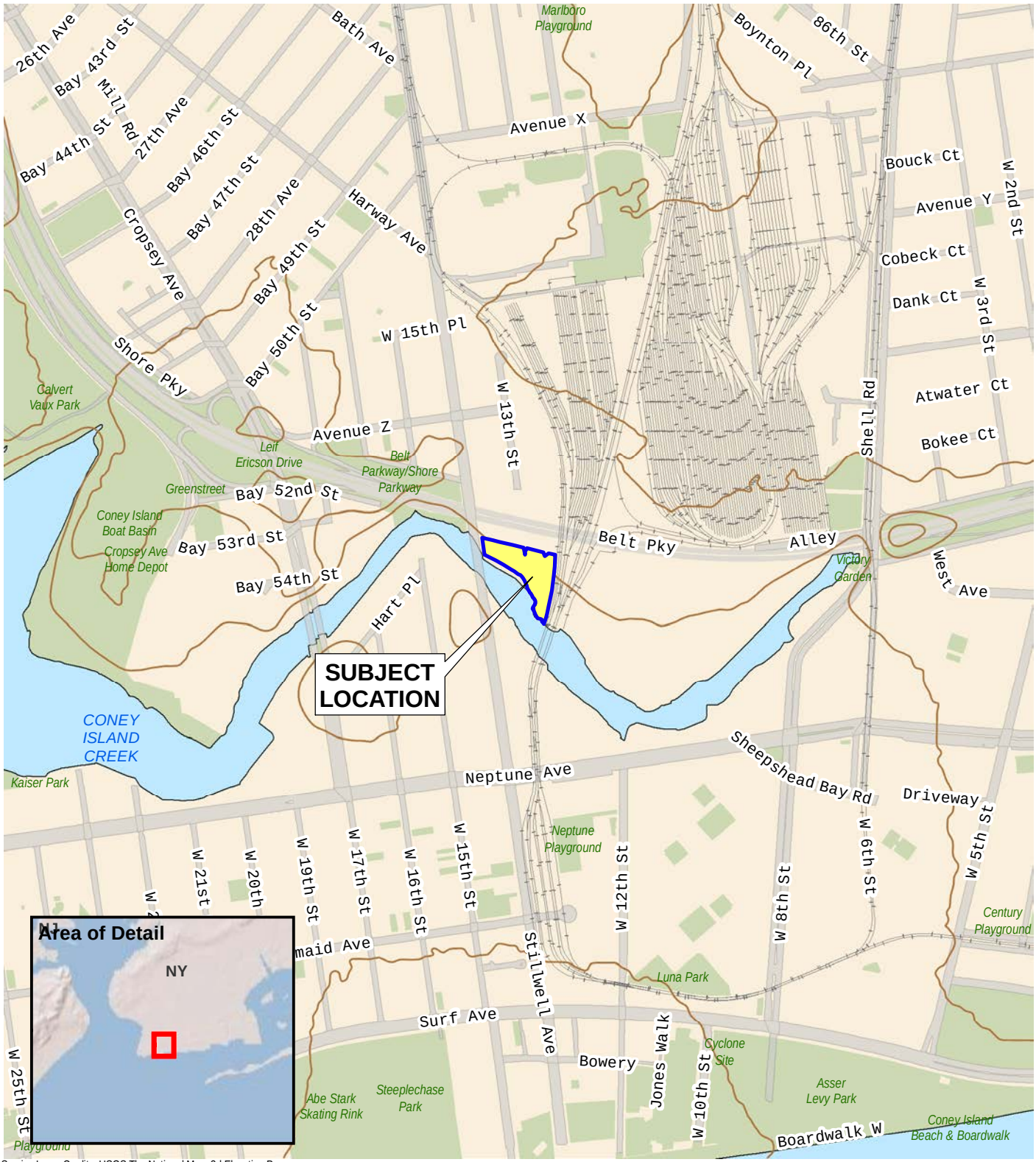
FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 800 1,600

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

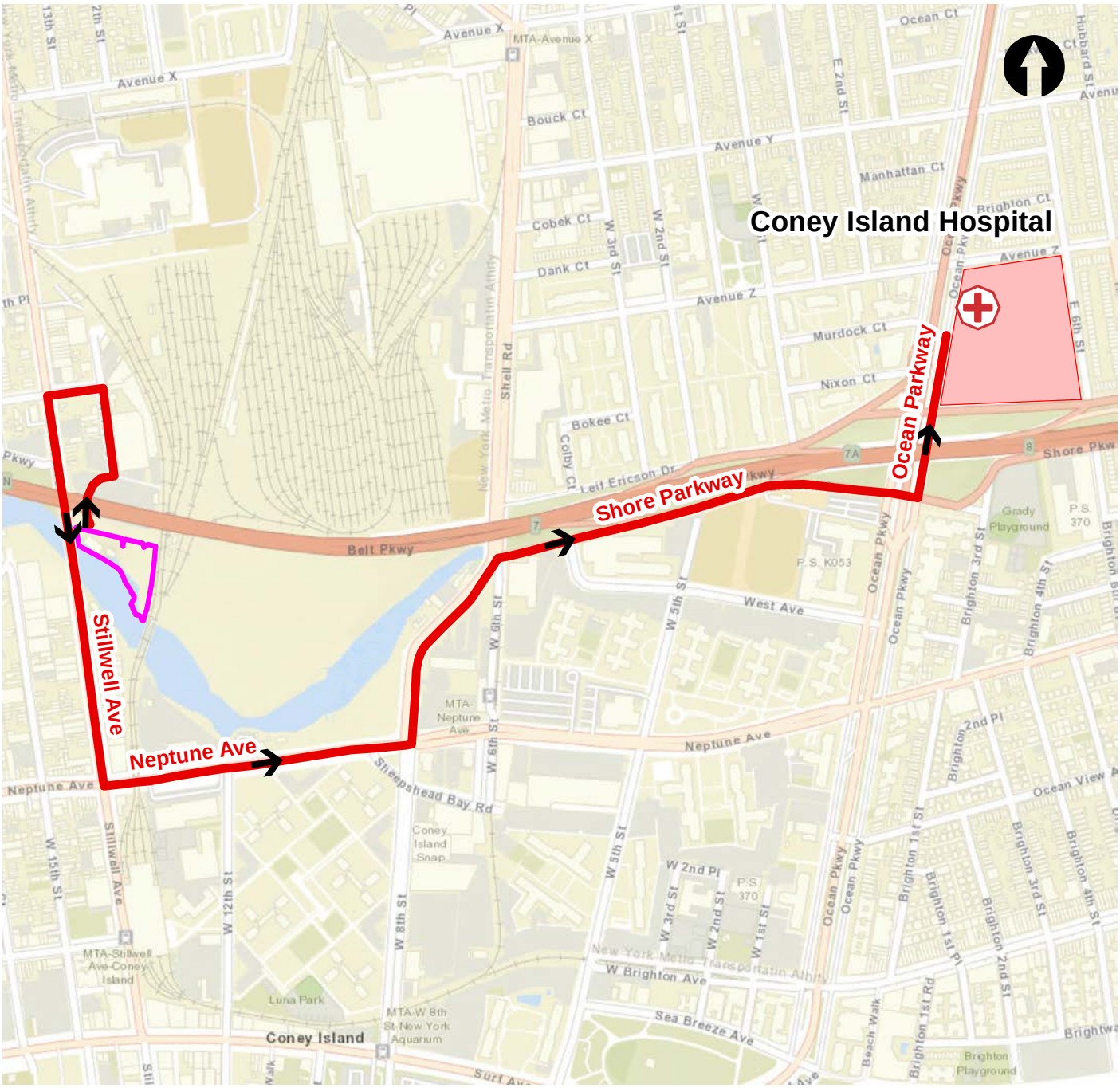
2647 Stillwell Avenue
Brooklyn, New York

SUBJECT PROPERTY LOCATION

DATE
9/5/2022

PROJECT NO.
220241

FIGURE
1



Service Layer Credits: ESRI World Street Map 2021

LEGEND

- PROJECT SITE BOUNDARY
- HOSPITAL LOCATION
- ROUTE TO HOSPITAL

Coney Island Hospital
2601 Ocean Parkway
Brooklyn, NY 11235
(718) 918-5000

0 800 1,600
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

HOSPITAL ROUTE MAP

DATE
9/29/2022

PROJECT NO.
220241

FIGURE
2

ATTACHMENT A

POTENTIAL HEALTH EFFECTS FROM ON-SITE CONTAMINANTS

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

ARSENIC
CAS # 7440-38-2

Division of Toxicology ToxFAQs™ December 2003

This fact sheet answers the most frequently asked health questions (FAQs) about arsenic. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to higher than average levels of arsenic occurs mostly in the workplace, near hazardous waste sites, or in areas with high natural levels. At high levels, inorganic arsenic can cause death. Exposure to lower levels for a long time can cause a discoloration of the skin and the appearance of small corns or warts. Arsenic has been found at 1,014 of the 1,598 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is arsenic?

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds.

Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides, primarily on cotton plants.

What happens to arsenic when it enters the environment?

❑ Arsenic cannot be destroyed in the environment. It can only change its form.
❑ Arsenic in air will settle to the ground or is washed out of the air by rain.
❑ Many arsenic compounds can dissolve in water.
❑ Fish and shellfish can accumulate arsenic, but the arsenic in fish is mostly in a form that is not harmful.

How might I be exposed to arsenic?

❑ Eating food, drinking water, or breathing air containing arsenic.
❑ Breathing contaminated workplace air.
❑ Breathing sawdust or burning smoke from wood treated with arsenic.
❑ Living near uncontrolled hazardous waste sites containing arsenic.
❑ Living in areas with unusually high natural levels of arsenic in rock.

How can arsenic affect my health?

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs. Ingesting high levels of inorganic arsenic can result in death. Lower levels of arsenic can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet.

Ingesting or breathing low levels of inorganic arsenic for a long time can cause a darkening of the skin and the

appearance of small "corns" or "warts" on the palms, soles, and torso.

Skin contact with inorganic arsenic may cause redness and swelling.

Organic arsenic compounds are less toxic than inorganic arsenic compounds. Exposure to high levels of some organic arsenic compounds may cause similar effects as inorganic arsenic.

How likely is arsenic to cause cancer?

Several studies have shown that inorganic arsenic can increase the risk of lung cancer, skin cancer, bladder cancer, liver cancer, kidney cancer, and prostate cancer. The World Health Organization (WHO), the Department of Health and Human Services (DHHS), and the EPA have determined that inorganic arsenic is a human carcinogen.

How can arsenic affect children?

We do not know if exposure to arsenic will result in birth defects or other developmental effects in people. Birth defects have been observed in animals exposed to inorganic arsenic.

It is likely that health effects seen in children exposed to high amounts of arsenic will be similar to the effects seen in adults.

How can families reduce the risk of exposure to arsenic?

❑ If you use arsenic-treated wood in home projects, you should wear dust masks, gloves, and protective clothing to decrease exposure to sawdust.
❑ If you live in an area with high levels of arsenic in water or soil, you should use cleaner sources of water and limit contact with soil.

Is there a medical test to show whether I've been exposed to arsenic?

There are tests to measure the level of arsenic in blood, urine, hair, or fingernails. The urine test is the most reliable test for arsenic exposure within the last few days. Tests on hair and fingernails can measure exposure to high levels or arsenic over the past 6-12 months. These tests can determine if you have been exposed to above-average levels of arsenic. They cannot predict how the arsenic levels in your body will affect your health.

Has the federal government made recommendations to protect human health?

EPA has set limits on the amount of arsenic that industrial sources can release to the environment and has restricted or canceled many uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.

The Occupational Safety and Health Administration has set limits of 10 μg arsenic per cubic meter of workplace air (10 $\mu g/m^3$) for 8 hour shifts and 40 hour work weeks.

Source of Information

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for Arsenic. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is http://www.atsdr.cdc.gov/toxfaq.html . ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

Di(2-ethylhexyl) phthalate (DEHP)

CAS # 117-81-7

This fact sheet answers the most frequently asked health questions (FAQs) about di(2-ethylhexyl) phthalate (DEHP). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Di(2-ethylhexyl) phthalate (DEHP) is found in many plastics. Exposure to DEHP is generally very low. Increased exposures may come from intravenous fluids delivered through plastic tubing, and from ingesting contaminated foods or water. DEHP is not toxic at the low levels usually present in the environment. In animals, high levels of DEHP damaged the liver and kidney and affected the ability to reproduce. DEHP has been found in at least 733 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is di(2-ethylhexyl) phthlate?

Di(2-ethylhexyl) phthlate (DEHP) is a manufactured chemical that is commonly added to plastics to make them flexible. DEHP is a colorless liquid with almost no odor.

DEHP is present in plastic products such as wall coverings, tablecloths, floor tiles, furniture upholstery, shower curtains, garden hoses, swimming pool liners, rainwear, baby pants, dolls, some toys, shoes, automobile upholstery and tops, packaging film and sheets, sheathing for wire and cable, medical tubing, and blood storage bags.

What happens to DEHP when it enters the environment?

❏ DEHP is everywhere in the environment because of its use in plastics, but it does not evaporate easily or dissolve in water easily.
❏ DEHP can be released in small amounts to indoor air from plastic materials, coatings, and flooring.
❏ It dissolves faster in water if gas, oil, or paint removers are present.
❏ It attaches strongly to soil particles.
❏ DEHP in soil or water can be broken down by microorganisms into harmless compounds.
❏ DEHP does not break down easily when it is deep in the soil or at the bottom of lakes or rivers.
❏ It is in plants, fish, and other animals, but animals high on the food chain are able to break down DEHP, so tissue levels are usually low.

How might I be exposed to DEHP?

DEHP is usually present at very low levels in:
❏ Medical products packaged in plastic such as blood products.
❏ Some foods packaged in plastics, especially fatty foods like milk products, fish or seafood, and oils.
❏ Well water near waste sites.
❏ Workplace air or indoor air where DEHP is released, but usually not at levels of concern.
❏ Fluids from plastic intravenous tubing if used extensively as for kidney dialysis.

How can DEHP affect my health?

At the levels found in the environment, DEHP is not expected to cause harmful health effects in humans. Most of what we know about the health effects of DEHP comes from studies of rats and mice given high amounts of DEHP.

Di(2-ethylhexyl) phthalate (DEHP)
CAS # 117-81-7

Harmful effects in animals generally occurred only with high amounts of DEHP or with prolonged exposures. Moreover, absorption and breakdown of DEHP in humans is different than in rats or mice, so the effects seen in rats and mice may not occur in humans.

Rats that breathed DEHP in the air showed no serious harmful effects. Their lifespan and ability to reproduce were not affected.

Brief oral exposure to very high levels of DEHP damaged sperm in mice. Although the effect reversed when exposure ceased, sexual maturity was delayed in the animals.

High amounts of DEHP damaged the liver of rats and mice. Whether or not DEHP contributes to human kidney damage is unclear.

Skin contact with products containing DEHP will probably cause no harmful effects because it cannot be taken up easily through the skin.

How likely is DEHP to cause cancer?

The Department of Health and Human Services (DHHS) has determined that DEHP may reasonably be anticipated to be a human carcinogen. The EPA has determined that DEHP is a probable human carcinogen. These determinations were based entirely on liver cancer in rats and mice. The International Agency for Research on Cancer (IARC) has stated that DEHP cannot be classified as to its carcinogenicity to humans.

How can DEHP affect children?

Children can be exposed to DEHP in the same manner as adults. In addition, small children can be exposed by sucking on or skin contact with plastic toys and pacifiers that contain DEHP, but there is no conclusive evidence of adverse health effects after such exposures. Nonetheless, because of concern for children's health, many toy manufacturers have discontinued use of DEHP in their products. In pregnant rats and mice exposed to high amounts of DEHP, researchers observed birth defects and fetal deaths.

How can families reduce the risk of exposure to DEHP?

❑ It is almost impossible to completely avoid contact with some DEHP because it is commonly found in plastics.
❑ Prevent babies and small children from chewing on plastic objects not designed for that purpose.

Is there a medical test to show whether I've been exposed to DEHP?

There is a test available that measures a breakdown product of DEHP called mono(2-ethylhexyl) phthalate (MEHP) in your urine or blood. This test can only detect recent exposure because DEHP is rapidly broken down and eliminated from your body. This test is not routinely available at the doctor's office because it requires special equipment.

Has the federal government made recommendations to protect human health?

The EPA limits the amount of DEHP that may be present in drinking water to 6 parts of DEHP per billion parts of water (6 ppb).

The Occupational Safety and Health Administration (OSHA) sets a maximum average of 5 milligrams of DEHP per cubic meter of air (5 mg/m^3) in the workplace during an 8-hour shift. The short-term (15-minute) exposure limit is 10 mg/m^3.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for Di(2-ethylhexyl) phthlate (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

CHROMIUM

CAS # 7440-47-3

Division of Toxicology and Environmental Medicine ToxFAQs™ **September 2008**

This fact sheet answers the most frequently asked health questions (FAQs) about chromium. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to chromium occurs from ingesting contaminated food or drinking water or breathing contaminated workplace air. Chromium(VI) at high levels can damage the nose and cause cancer. Ingesting high levels of chromium(VI) may result in anemia or damage to the stomach or intestines. Chromium(III) is an essential nutrient. Chromium has been found in at least 1,127 of the 1,669 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is chromium?

Chromium is a naturally occurring element found in rocks, animals, plants, and soil. It can exist in several different forms. Depending on the form it takes, it can be a liquid, solid, or gas. The most common forms are chromium(0), chromium(III), and chromium(VI). No taste or odor is associated with chromium compounds.

The metal chromium, which is the chromium(0) form, is used for making steel. Chromium(VI) and chromium(III) are used for chrome plating, dyes and pigments, leather tanning, and wood preserving.

What happens to chromium when it enters the environment?

❑ Chromium can be found in air, soil, and water after release from the manufacture, use, and disposal of chromium-based products, and during the manufacturing process.
❑ Chromium does not usually remain in the atmosphere, but is deposited into the soil and water .
❑ Chromium can easily change from one form to another in water and soil, depending on the conditions present.
❑ Fish do not accumulate much chromium in their bodies from water.

How might I be exposed to chromium?

❑ Eating food containing chromium(III).
❑ Breathing contaminated workplace air or skin contact during use in the workplace.
❑ Drinking contaminated well water .
❑ Living near uncontrolled hazardous waste sites containing chromium or industries that use chromium.

How can chromium affect my health?

Chromium(III) is an essential nutrient that helps the body use sugar, protein, and fat.

Breathing high levels of chromium(VI) can cause irritation to the lining of the nose, nose ulcers, runny nose, and breathing problems, such as asthma, cough, shortness of breath, or wheezing. The concentrations of chromium in air that can cause these effects may be different for different types of chromium compounds, with effects occurring at much lower concentrations for chromium(VI) compared to chromium(III).

The main health problems seen in animals following ingestion of chromium(VI) compounds are irritation and ulcers in the stomach and small intestine and anemia. Chromium(III) compounds are much less toxic and do not appear to cause these problems.

Sperm damage and damage to the male reproductive system have also been seen in laboratory animals exposed to chromium(VI).

Skin contact with certain chromium(VI) compounds can cause skin ulcers. Some people are extremely sensitive to chromium(VI) or chromium(III). Allergic reactions consisting of severe redness and swelling of the skin have been noted.

How likely is chromium to cause cancer?

The Department of Health and Human Services (DHHS), the International Agency for Reseach on Cancer (IARC), and the EPA have determined that chromium(VI) compounds are known human carcinogens. In workers, inhalation of chromium(VI) has been shown to cause lung cancer. Chromium(VI) also causes lung cancer in animals. An increase in stomach tumors was observed in humans and animals exposed to chromium(VI) in drinking water.

How can chromium affect children?

It is likely that health effects seen in children exposed to high amounts of chromium will be similar to the effects seen in adults.

We do not know if exposure to chromium will result in birth defects or other developmental effects in people. Some developmental effects have been observed in animals exposed to chromium(VI).

How can families reduce the risks of exposure to chromium?

❏ Children should avoid playing in soils near uncontrolled hazardous waste sites where chromium may have been discarded.

❏ Chromium is a component of tobacco smoke. Avoid smoking in enclosed spaces like inside the home or car in order to limit exposure to children and other family members.

❏ Although chromium(III) is an essential nutrient, you should avoid excessive use of dietary supplements containing chromium.

Is there a medical test to determine whether I've been exposed to chromium?

Since chromium(III) is an essential element and naturally occurs in food, there will always be some level of chromium in your body. Chromium can be measured in hair, urine, and blood.

Higher than normal levels of chromium in blood or urine may indicate that a person has been exposed to chromium. However, increases in blood and urine chromium levels cannot be used to predict the kind of health effects that might develop from that exposure.

Has the federal government made recommendations to protect human health?

The EPA has determined that exposure to chromium in drinking water at concentrations of 1 mg/L for up to 10 days is not expected to cause any adverse effects in a child.

The FDA has determined that the chromium concentration in bottled drinking water should not exceed 1 mg/L.

The Occupational Health and Safety Administration (OSHA) has limited workers' exposure to an average of 0.0005 mg/m^3 chromium(VI), 0.5 mg/m^3 chromium(III), and 1.0 mg/m^3 chromium(0) for an 8-hour workday, 40-hour workweek.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2008. Toxicological Profile for Chromium (Draft for Public Comment). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
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POLYCHLORINATED BIPHENYLS

Division of Toxicology ToxFAQs™ **February 2001**

This fact sheet answers the most frequently asked health questions (FAQs) about polychlorinated biphenyls. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Polychlorinated biphenyls (PCBs) are a mixture of individual chemicals which are no longer produced in the United States, but are still found in the environment. Health effects that have been associated with exposure to PCBs include acne-like skin conditions in adults and neurobehavioral and immunological changes in children. PCBs are known to cause cancer in animals. PCBs have been found in at least 500 of the 1,598 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are polychlorinated biphenyls?

Polychlorinated biphenyls are mixtures of up to 209 individual chlorinated compounds (known as congeners). There are no known natural sources of PCBs. PCBs are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor in air. PCBs have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by the trade name Aroclor.

PCBs have been used as coolants and lubricants in transformers, capacitors, and other electrical equipment because they don't burn easily and are good insulators. The manufacture of PCBs was stopped in the U.S. in 1977 because of evidence they build up in the environment and can cause harmful health effects. Products made before 1977 that may contain PCBs include old fluorescent lighting fixtures and electrical devices containing PCB capacitors, and old microscope and hydraulic oils.

What happens to PCBs when they enter the environment?

❑ PCBs entered the air, water, and soil during their manufacture, use, and disposal; from accidental spills and leaks during their transport; and from leaks or fires in products containing PCBs.

❑ PCBs can still be released to the environment from hazardous waste sites; illegal or improper disposal of industrial wastes and consumer products; leaks from old electrical transformers containing PCBs; and burning of some wastes in incinerators.

❑ PCBs do not readily break down in the environment and thus may remain there for very long periods of time. PCBs can travel long distances in the air and be deposited in areas far away from where they were released. In water, a small amount of PCBs may remain dissolved, but most stick to organic particles and bottom sediments. PCBs also bind strongly to soil.

❑ PCBs are taken up by small organisms and fish in water. They are also taken up by other animals that eat these aquatic animals as food. PCBs accumulate in fish and marine mammals, reaching levels that may be many thousands of times higher than in water.

How might I be exposed to PCBs?

❑ Using old fluorescent lighting fixtures and electrical devices and appliances, such as television sets and refrigerators, that were made 30 or more years ago. These items may leak small amounts of PCBs into the air when they get hot during operation, and could be a source of skin exposure.

❑ Eating contaminated food. The main dietary sources of PCBs are fish (especially sportfish caught in contaminated lakes or rivers), meat, and dairy products.

❑ Breathing air near hazardous waste sites and drinking contaminated well water.

❑ In the workplace during repair and maintenance of PCB transformers; accidents, fires or spills involving transformers, fluorescent lights, and other old electrical devices; and disposal of PCB materials.

How can PCBs affect my health?

The most commonly observed health effects in people exposed to large amounts of PCBs are skin conditions such as acne and rashes. Studies in exposed workers have shown changes in blood and urine that may indicate liver damage. PCB exposures in the general population are not likely to result in skin and liver effects. Most of the studies of health effects of PCBs in the general population examined children of mothers who were exposed to PCBs.

Animals that ate food containing large amounts of PCBs for short periods of time had mild liver damage and some died. Animals that ate smaller amounts of PCBs in food over several weeks or months developed various kinds of health effects, including anemia; acne-like skin conditions; and liver, stomach, and thyroid gland injuries. Other effects

of PCBs in animals include changes in the immune system, behavioral alterations, and impaired reproduction. PCBs are not known to cause birth defects.

How likely are PCBs to cause cancer?

Few studies of workers indicate that PCBs were associated with certain kinds of cancer in humans, such as cancer of the liver and biliary tract. Rats that ate food containing high levels of PCBs for two years developed liver cancer. The Department of Health and Human Services (DHHS) has concluded that PCBs may reasonably be anticipated to be carcinogens. The EPA and the International Agency for Research on Cancer (IARC) have determined that PCBs are probably carcinogenic to humans.

How can PCBs affect children?

Women who were exposed to relatively high levels of PCBs in the workplace or ate large amounts of fish contaminated with PCBs had babies that weighed slightly less than babies from women who did not have these exposures. Babies born to women who ate PCB-contaminated fish also showed abnormal responses in tests of infant behavior. Some of these behaviors, such as problems with motor skills and a decrease in short-term memory, lasted for several years. Other studies suggest that the immune system was affected in children born to and nursed by mothers exposed to increased levels of PCBs. There are no reports of structural birth defects caused by exposure to PCBs or of health effects of PCBs in older children. The most likely way infants will be exposed to PCBs is from breast milk. Transplacental transfers of PCBs were also reported In most cases, the benefits of breast-feeding outweigh any risks from exposure to PCBs in mother's milk.

How can families reduce the risk of exposure to PCBs?

❑ You and your children may be exposed to PCBs by eating fish or wildlife caught from contaminated locations. Certain states, Native American tribes, and U.S. territories have issued advisories to warn people about PCB-contaminated fish and fish-eating wildlife. You can reduce your family's exposure to PCBs by obeying these advisories.

❑ Children should be told not play with old appliances, electrical equipment, or transformers, since they may contain PCBs.

❑ Children should be discouraged from playing in the dirt near hazardous waste sites and in areas where there was a transformer fire. Children should also be discouraged from eating dirt and putting dirty hands, toys or other objects in their mouths, and should wash hands frequently.

❑ If you are exposed to PCBs in the workplace it is possible to carry them home on your clothes, body, or tools. If this is the case, you should shower and change clothing before leaving work, and your work clothes should be kept separate from other clothes and laundered separately.

Is there a medical test to show whether I've been exposed to PCBs?

Tests exist to measure levels of PCBs in your blood, body fat, and breast milk, but these are not routinely conducted. Most people normally have low levels of PCBs in their body because nearly everyone has been environmentally exposed to PCBs. The tests can show if your PCB levels are elevated, which would indicate past exposure to above-normal levels of PCBs, but cannot determine when or how long you were exposed or whether you will develop health effects.

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 0.0005 milligrams of PCBs per liter of drinking water (0.0005 mg/L). Discharges, spills or accidental releases of 1 pound or more of PCBs into the environment must be reported to the EPA. The Food and Drug Administration (FDA) requires that infant foods, eggs, milk and other dairy products, fish and shellfish, poultry and red meat contain no more than 0.2-3 parts of PCBs per million parts (0.2-3 ppm) of food. Many states have established fish and wildlife consumption advisories for PCBs.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological profile for polychlorinated biphenyls (PCBs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs™ Internet address is http://www.atsdr.cdc.gov/toxfaq.html . ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

SILVER
CAS # 7440-22-4

This fact sheet answers the most frequently asked health questions (FAQs) about silver. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Silver is an element found naturally in the environment. At very high levels, it may cause argyria, a blue-gray discoloration of the skin and other organs. This chemical has been found in at least 27 of the 1,177 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What is silver?

(Pronounced sĭl′vər)

Silver is a naturally occurring element. It is found in the environment combined with other elements such as sulfide, chloride, and nitrate. Pure silver is "silver" colored, but silver nitrate and silver chloride are powdery white and silver sulfide and silver oxide are dark-gray to black. Silver is often found as a by-product during the retrieval of copper, lead, zinc, and gold ores.

Silver is used to make jewelry, silverware, electronic equipment, and dental fillings. It is also used to make photographs, in brazing alloys and solders, to disinfect drinking water and water in swimming pools, and as an antibacterial agent. Silver has also been used in lozenges and chewing gum to help people stop smoking.

What happens to silver when is enters the environment?

- Silver may be released into the air and water through natural processes such as the weathering of rocks.
- Human activities such as the processing of ores, cement manufacture, and the burning of fossil fuel may release silver into the air.
- It may be released into water from photographic processing.
- Rain may wash silver out of soil into the groundwater.
- Silver does not appear to concentrate to a significant extent in aquatic animals.

How might I be exposed to silver?

- Breathing low levels in air.
- Swallowing it in food or drinking water.
- Carrying out activities such as jewelry-making, soldering, and photography.
- Using anti-smoking lozenges or other medicines containing it.

How can silver affect my health?

Exposure to high levels of silver for a long period of time may result in a condition called arygria, a blue-gray discoloration of the skin and other body tissues. Lower-level exposures to silver may also cause silver to be deposited in the skin and other parts of the body; however, this is not known to be harmful. Argyria is a permanent effect, but it appears to be a cosmetic problem that may not be otherwise harmful to health.

Exposure to high levels of silver in the air has resulted in breathing problems, lung and throat irritation, and stomach pains. Skin contact with silver can cause mild allergic reactions such as rash, swelling, and inflammation in some people.

Animal studies have shown that swallowing silver results in the deposit of silver in the skin. One study in mice found that the animals exposed to silver in drinking water were less active than unexposed animals.

No studies are available on whether silver affects reproduction or causes developmental problems in people.

How likely is silver to cause cancer?

No studies are available on whether silver may cause cancer in people. The only available animal studies showed both positive and negative results when silver was implanted under the skin.

The EPA has determined that silver is not classifiable as to human carcinogenicity.

Is there a medical test to show whether I've been exposed to silver?

Silver can be measured in the blood, urine, feces, and body tissues of exposed people. Silver builds up in the body, and the best way to learn if past exposure has occurred is to look for silver in samples of skin. Tests for silver are not commonly done at a doctor's office because they require special equipment. Although doctors can find out if a person has been exposed to silver by doing these tests, they cannot tell whether any health effects will occur.

Has the federal government made recommendations to protect human health?

The EPA recommends that the concentration of silver in drinking water not exceed 0.10 milligrams per liter of water (0.10 mg/L) because of the skin discoloration that may occur.

The EPA requires that spills or accidental releases of 1,000 pounds or more of silver be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) limits silver in workplace air to 0.01 milligrams per cubic meter (0.01 mg/m^3) for an 8-hour workday, 40-hour workweek. The National Institute of Occupational Safety and Health (NIOSH) also recommends that workplace air contain no more that 0.01 mg/m^3 silver.

The American Conference of Governmental Industrial Hygienists (ACGIH) recommends that workplace air contain no more than 0.1 mg/m^3 silver metal and 0.01 mg/m^3 soluble silver compounds.

The federal recommendations have been updated as of July 1999.

Glossary

Carcinogenicity: Ability to cause cancer.

CAS: Chemcial Abstracts Service.

Milligram (mg): One thousandth of a gram.

National Priorities List: A list of the nation's worst hazardous waste sites.

Soluble: Capable of being dissolved in water.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1990. Toxicological profile for silver. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

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ATTACHMENT B

REPORT FORMS

WEEKLY SAFETY REPORT FORM

Week Ending: _____ Project Name/Number: **2647 Stillwell /220241**

Report Date: _____ Project Manager Name: _____

Summary of any violations of procedures occurring that week:

Summary of any job related injuries, illnesses, or near misses that week:

Summary of air monitoring data that week (include and sample analyses, action levels exceeded, and actions taken):

Comments:

Name: _____ Company: _____

Signature: _____ Title: _____

INCIDENT REPORT FORM

Date of Report: _____

Injured: _____

Employer: _____

Site: _____ Site Location: **2647 Stillwell Avenue, Brooklyn, NY**

Report Prepared By: _____ _____
Signature Title

ACCIDENT/INCIDENT CATEGORY (check all that applies)

___Injury	___ Illness	___ Near Miss
__ Property Damage	___ Fire	___ Chemical Exposure
__ On-site Equipment	___ Motor Vehicle	___ Electrical
__ Mechanical	___ Spill	___ Other

DATE AND TIME OF ACCIDENT/INCIDENT: Narrative report of Accident/Incident: Identify: 1) actions leading to or contributing to the accident/incident; 2) the accident/incident occurrence; and 3) actions following the accident/incident.

_____

_____

_____

_____

_____

_____

_____

_____

_____

WITNESS TO ACCIDENT/INCIDENT:

Name:	_____	Company:	_____
Address:	_____	Address:	_____
Phone No.:	_____	Phone No.:	_____
Name:	_____	Company:	_____
Address:	_____	Address:	_____
Phone No.:	_____	Phone No.:	_____

INJURED - ILL:

Name: _____ SSN: _____

Address: _____ Age: _____

Length of Service: _____ Time on Present Job: _____

Time/Classification: _____

SEVERITY OF INJURY OR ILLNESS:

____ Disabling ___ Non-disabling ___ Fatality

____ Medical Treatment ___ First Aid Only

ESTIMATED NUMBER OF DAYS AWAY FROM JOB: _____

NATURE OF INJURY OR ILLNESS: _____

_____

_____

_____

CLASSIFICATION OF INJURY:

__ Abrasions _____ Dislocations ____ Punctures

__ Bites _____ Faint/Dizziness ____ Radiation Burns

__ Blisters _____ Fractures ____ Respiratory Allergy

__ Bruises _____ Frostbite ____ Sprains

__ Chemical Burns _____ Heat Burns ____ Toxic Resp. Exposure

__ Cold Exposure _____ Heat Exhaustion ____ Toxic Ingestion

__ Concussion _____ Heat Stroke ____ Dermal Allergy

__ Lacerations

Part of Body Affected: _____

Degree of Disability: _____

Date Medical Care was Received: _____

Where Medical Care was Received: _____

Address (if off-site): _____

(If two or more injuries, record on separate sheets)

PROPERTY DAMAGE:

Description of Damage: _____

_____

Cost of Damage: $ _____

ACCIDENT/INCIDENT LOCATION: _____

ACCIDENT/INCIDENT ANALYSIS: Causative agent most directly related to accident/incident (Object, substance, material, machinery, equipment, conditions)

_____

_____

_____

_____

Was weather a factor?:_____

_____

Unsafe mechanical/physical/environmental condition at time of accident/incident (Be specific):

_____

_____

_____

Personal factors (Attitude, knowledge or skill, reaction time, fatigue):

_____

_____

ON-SITE ACCIDENTS/INCIDENTS:

Level of personal protection equipment required in Site Safety Plan:

_____

_____

Modifications:

_____

Was injured using required equipment?:

_____

_____

If not, how did actual equipment use differ from plan?:

_____

_____

ACTION TAKEN TO PREVENT RECURRENCE: (Be specific. What has or will be done? When will it be done? Who is the responsible party to insure that the correction is made?

_____

_____

_____

_____

_____

ACCIDENT/INCIDENT REPORT REVIEWED BY:

_____ _____

SSO Name Printed SSO Signature

OTHERS PARTICIPATING IN INVESTIGATION:

_____ _____

Signature Title

_____ _____

Signature Title

_____ _____

Signature Title

ACCIDENT/INCIDENT FOLLOW-UP: Date: _____

Outcome of accident/incident: _____

_____

_____

_____

Physician's recommendations: _____

_____

_____

_____

Date injured returned to work: _____

Follow-up performed by:

_____ _____

Signature Title

ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM

ATTACHMENT C

EMERGENCY HAND SIGNALS

EMERGENCY SIGNALS

In most cases, field personnel will carry portable radios for communication. If this is the case, a transmission that indicates an emergency will take priority over all other transmissions. All other site radios will yield the frequency to the emergency transmissions.

Where radio communications is not available, the following air-horn and/or hand signals will be used:

EMERGENCY HAND SIGNALS

OUT OF AIR, CAN'T BREATHE!

Hand gripping throat

LEAVE AREA IMMEDIATELY, NO DEBATE!

(No Picture) Grip partner's wrist or place both hands around waist

NEED ASSISTANCE!

Hands on top of head

OKAY! – I'M ALL RIGHT!

- I UNDERSTAND!

Thumbs up

NO! - NEGATIVE!

Thumbs down

ATTACHMENT D

SPECIAL REQUIREMENTS FOR COVID-19

ATTACHMENT E

ON-SITE AND OFF-SITE PROCEDURES TO LIMIT CONTAMINATION AND POTENTIAL SPREAD OF COVID-19

Sources: **CDC - COVID-19 Spread and Prevention Information; OSHA - Workplace Preparation Guidance; CDC - Guidance on Extended Use/Limited Reuse of Respiratory Protection**

1) Maintain minimum 6-foot separation from others whenever possible (social distancing). The virus is thought to spread mainly from person-to-person, between people who are in close contact, through respiratory droplets produced when an infected person coughs or sneezes.

2) Wash your hands frequently with soap and water. Wash for at least 20 seconds and, if no soap is present, use a hand sanitizer that contains at least 60% alcohol.

3) Wear nitrile gloves whenever possible and be especially mindful of touching common surfaces.

4) Disinfect commonly touched surfaces frequently, and items frequently used in public immediately upon returning home.

5) Face Coverings and Masks:

   a) On-site: Wear a cloth face covering or mask at all times when there is no issue with maintaining social distancing. N95/KN95 masks or respirators should be reserved for situations where social distancing on-site is difficult or impossible. Appropriate circumstances for donning an N95/KN95 mask or respirator on-site include, but are not necessarily limited to, going inside the Site trailer; and/or entering, exiting, or traversing the Site if proper social distancing cannot be achieved. This tiered approach will help maintain the supply of N95/KN95 masks so they are available for the highest risk scenarios.

   b) Off-site During Work-related Commute: The CDC now recommends wearing cloth face coverings in public settings where other social distancing measures are difficult to maintain (https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover.html). A mask or cloth face covering should worn during your commute to and from the site if you are unable to achieve proper social distancing. Appropriate times to wear a mask or cloth face covering include, but are not necessarily limited to, walking on crowded sidewalks, traveling in a shared vehicle, and/or if you are required to enter an occupied indoor space to acquire supplies for the site.

6) Wear safety glasses or goggles at all times while on-site and some form of eye covering (e.g., sunglasses, prescription and non-prescription glasses, or safety glasses) should be considered when commuting.

7) Avoid touching your face (eyes, nose, and mouth).

8) Cover your nose and mouth when coughing, sneezing, etc./ cough into elbow.

9) Do not spit.

10) Try to take your temperature regularly.

11) Talk to your supervisor if you, your friends or family members that you live with or spend time with have displayed symptoms of COVID-19, tested positive, or are afflicted with even the common cold/flu.

12) Talk to your supervisor if anyone you know at the site tested positive for the COVID-19.

13) Follow any additional health & safety protocols required at the site or elsewhere.

APPENDIX D

COMMUNITY AIR MONITORING PLAN

2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

COMMUNITY AIR MONITORING PLAN

NYSDEC BCP Site No: C224362
AKRF Project Number: 220241

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
Albany, New York 12233

Prepared On Behalf Of:

2647 Stillwell Avenue Property LLC
% Turnbridge Equities
4 Bryant Park, Suite 200
New York, NY 10018

Prepared by:

AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

MAY 2023

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FIGURES

1.0 INTRODUCTION

This Community Air Monitoring Plan (CAMP) has been developed for the implementation of a Remedial Investigation (RI) by AKRF, Inc. (AKRF) personnel and its subcontractors at the 2647 Stillwell Avenue site located at 2647 Stillwell Avenue in the Coney Island section of Brooklyn, New York, hereafter referred to as the "Site." The Site is identified by the City of New York as Borough of Brooklyn, Block 7247, Lots 200, 203, 205, 206, 211, and 213. A Site Location Map is provided as Figure 1.

Currently, the approximately 1.87-acre Site consists of a concrete-paved yard with empty metal storage containers and a former office. The Site was most recently operated by T&J Auto Salvage, an auto salvage yard, and Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company, up until April 14, 2023. A concrete-paved roadway is located along the southern boundary of the Site adjacent to Coney Island Creek, and a portion of the roadway is encroaching approximately 22 feet onto Block 7247, Lot 1 (Coney Island Creek). Approximately 55 feet of the northern portion of the former salvage yard encroaches into an easement for the adjacent Belt Parkway.

The Site is bounded to the north by as easement area that appears to be associated with the Belt Parkway, followed by the Belt Parkway (a.k.a. Shore Parkway), followed by parking lots; to the east by the Metropolitan Transit Authority (MTA) D, F, N, and Q train lines, followed by vacant land and MTA's Coney Island Yard; to the south by Coney Island Creek; and to the west by Stillwell Avenue, followed by Coney Island Creek. The surrounding area comprises predominantly industrial and commercial uses.

Based on available data collected to date, the primary contaminants of concern for the Site are petroleum-related volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) [a class of semivolatile organic compounds (SVOCs) commonly found in historic fill], and metals in soil, and petroleum-related VOCs, SVOCs, and metals in groundwater.

2.0 AIR MONITORING PROGRAM

The purpose of the air monitoring program is to identify any exposure of the community to potential environmental hazards in the soil and groundwater. Air Monitoring will be conducted in accordance with the New York State Department of Health (NYSDOH) and New York State Department of Environmental Conservation (NYSDEC) guidance. Results of the air monitoring will be used to determine the appropriate response action, if needed. Field personnel will be trained in the proper operation of all field instruments at the start of the field program. The equipment will be calibrated according to manufacturer specifications at the start of each day of fieldwork. If an instrument fails calibration, the project manager will be contacted immediately to obtain a replacement instrument and arrange for repairs.

2.1 Perimeter Community Air Monitoring

Fixed air monitoring stations will be set up at the upwind and downwind perimeters of the exclusion zone during all ground intrusive activities and will continuously log volatile organic compound (VOC) and particulate levels for the protection of off-site receptors including residences, businesses, and workers not directly involved with the RI activities. Each fixed monitoring station will be fully enclosed and equipped with the following:

- A photoionization detector (PID) equipped with a 10.6 eV lamp capable of calculating 15-minute running average VOC concentrations;
- A TSI 8530 DustTrak II or equivalent dust monitor capable of measuring the concentration of airborne respirable particulates less than 10 micrometers in size (PM10) and calculating 15-minute running average particulate concentrations; and
- A Netronix™ Thiamus™ ICU-820 or equivalent Global System for Mobile Communication (GSM)/Global Positioning System (GPS) device capable of recording air monitoring and location data.
- Each monitoring station will be capable of sending e-mail alerts to the SSO to indicate an exceedance of action levels. Additionally, the SSO will conduct an inspection of the monitoring stations on at least an hourly basis. Upon completion of Site activities, all air monitoring data will be available to download via the iEnvironet® website. All air monitoring data recorded at the fixed monitoring stations will be available for NYSDOH and NYSDEC review and will be included in the Remedial Investigation Report (RIR).

2.1.1 Perimeter Community Air Monitoring Action Levels

VOC Action Levels

The following actions will be taken based on organic vapor levels measured:

If total organic vapor levels exceed 5 parts per million (ppm) above background for the 15-minute average at the exclusion zone perimeter, work activities will be temporarily halted and monitoring continued. If levels readily decrease (per instantaneous readings) below 5 ppm above background, work activities will resume with continued monitoring.

If total organic vapor levels at the downwind perimeter of the exclusion zone persist at levels in excess of 5 ppm above background, but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the hot zone or half the distance to the

nearest potential receptor or residential/commercial structure, whichever is less – but in no case less than 20 feet – is below 5 ppm above background for the 15-minute average.

If the total organic vapor level is above 25 ppm at the perimeter of the exclusion zone, activities will be shutdown.

Particulate Action Levels

The following actions will be taken based on particulate levels measured:

If the downwind particulate concentrations are greater than 100 micrograms per cubic meter ($\mu g/m^3$) above background (upwind concentrations), and no other obvious source is apparent, then it will be assumed that the elevated particulate concentrations are a result of site activities. In such instances, dust suppression measures will be implemented and monitoring will be continued. Work will be allowed to continue with dust suppression if downwind particulate levels do not exceed 150 $\mu g/m^3$ above the background (upwind concentration) and provided that no visible dust is migrating from the work area.

If particulate levels persist at 150 $\mu g/m^3$ above the background, work must be stopped until dust suppression measures bring particulate levels to below 150 $\mu g/m^3$ above background.

2.2 Major Vapor Emission Response Plan

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work Site, or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted or vapor controls must be implemented.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the exclusion zone, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If either of the following criteria is exceeded in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be implemented:

- Sustained organic vapor levels approaching 1 ppm above background for a period of more than 30 minutes; or
- Organic vapor levels greater than 5 ppm above background for any time period.

Upon activation, the following activities shall be undertaken as part of the Major Vapor Emission Response Plan:

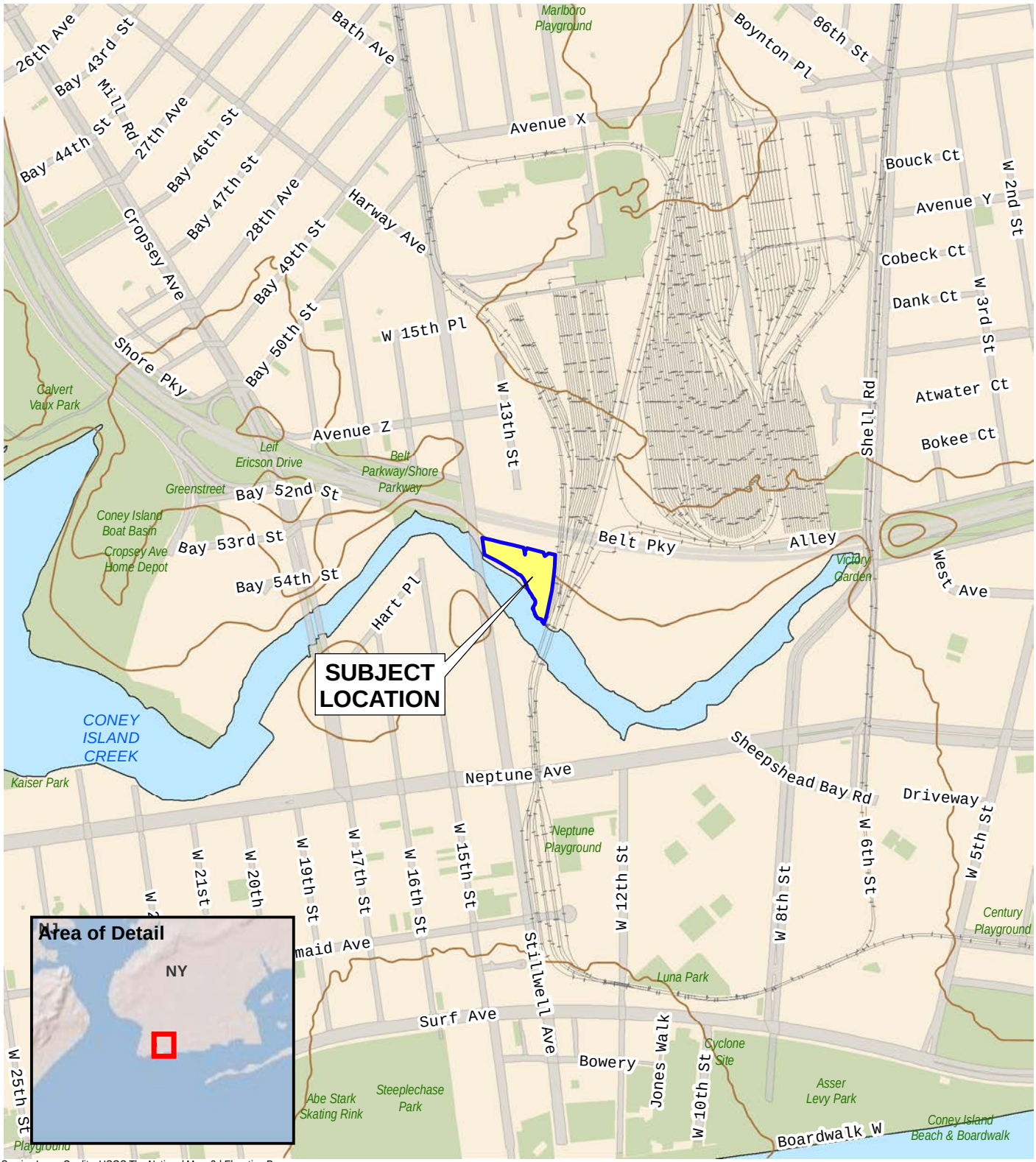
- The NYSDEC, NYSDOH, and local police authorities will be immediately contacted by the SSO and advised of the situation;
- Frequent air monitoring will be conducted at 30-minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Site Health and Safety Officer; and
- All Emergency contacts will go into effect as appropriate.
- All readings will be recorded and be available for NYSDEC and NYSDOH personnel to review.

2.3 Reporting

In the event there is an action level exceedance or complaint, NYSDEC and NYSDOH will be notified within 24 hours (same day to the extent possible) of the exceedance or complaint. The

notification will include a description of the exceedance or complaint, the cause of the exceedance, and any corrective actions taken. All recorded CAMP data will be included in the RIR.

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 800 1,600

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

SUBJECT PROPERTY LOCATION

DATE
9/5/2022

PROJECT NO.
220241

FIGURE
1

APPENDIX E
PREVIOUS REPORTS

2647 Stillwell Avenue

BROOKLYN, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 12103

Prepared for:

Storage Deluxe Realty
26 West 17th Street, Suite 801
New York, NY 10011

Prepared by:

AKRF

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

JUNE 2015

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TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at the property located at 2647 Stillwell Avenue (Tax Block 7247, Lots 200, 203, 205, 206, 211, and 213) (the Property) in the Coney Island neighborhood of Brooklyn, New York, as shown on Figure 1. The Property consists of an approximately 83,000-square foot tax lot containing a concrete paved auto salvage yard, a concrete paved supply yard, a one-story office building, and multiple metal storage containers used for shop space. The scope of this investigation was based on a review of previous environmental investigations conducted at the Property (as described in Section 2.0) and the proposed redevelopment.

AKRF's Phase II investigation was conducted on May 19, 20, and 28, 2015 and included: the advancement of six soil borings, three of which were completed as permanent, two-inch diameter PVC groundwater monitor wells; the collection of soil and groundwater samples for laboratory analyses; and the collection of water and sediment samples from select on-site dry wells for laboratory analyses. This report describes the methods and results of the investigation.

2.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Phase I and Initial Phase II Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, Key Environmental, October 2001

At the time of the 2001 Phase I Environmental Site Assessment (ESA), the Property was occupied by T&J Auto Salvage. The Phase I ESA completed by Key Environmental identified the following:

- Potential petroleum contamination from automotive waste fluids due to the building's history of over 60 years as an auto salvage facility. Standing oil was noted in puddles in areas where automobile demolition was taking place.
- Reported releases of petroleum products reported in the regulatory database at proximal facilities and others in the surrounding area may have affected the groundwater at the Property.
- Multiple containers for waste oil were observed on the Property.
- Historical land use maps indicated that the surrounding area has a long history of auto-related and industrial use including a one million gallon aboveground storage tank (AST), with some potential to have affected the Property.
- During the Phase I ESA, two test pits were excavated to depths of five and eight feet that identified oil-contaminated soil.
- During the initial Phase II ESA, five test pits were excavated and soil samples were analyzed for volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and metals. Oil and engine fluids were observed in soil from one to three feet below grade in the front portion of the yard, though none was observed to have reached the water table. At that time, concrete pavement was only located at the front gate. Groundwater was observed at approximately seven feet below grade, which was the same elevation as Coney Island Creek. The top three feet of soil were reported to be heavily soaked with oil and inundated with small machine parts at the working areas of the crusher (off-site) and two active disassembly areas (no plan was included showing these two locations). The report indicated that the top foot of oil-soaked soil in the front ⅓ of the yard (possibly off-site) was considered hazardous waste and the remaining two feet was considered "non-hazardous oil waste". No significant concentrations of PCBs were reported in the analyzed samples; the operator had indicated that no transformers or electrical components that could contain PCBs had been disposed of on-site. No tabulated analytical data or laboratory reports were provided with the report.

Phase II Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, Key Environmental, February 2005

On October 27, 2004, Key Environmental performed a subsurface investigation. Fourteen soil borings were advanced to depths extending to 12 feet below grade. One soil sample from each boring and groundwater samples collected from two borings were submitted for laboratory analyses.

On December 29, 2004, at the request of the New York State Department of Environmental Conservation (NYDEC), Key Environmental advanced five additional borings at specified locations and collected five soil samples, though the rationale for the additional borings was not provided in the report. No additional groundwater samples were collected. One of the samples contained xylenes above the Technical and Administrative Guidance Memorandum #4046 (TAGM) guidance value (the regulatory standards used at that time); the samples were collected from one foot below grade near the storage warehouse. Based on samples taken from other boring locations, the report stated that the contamination of the affected media appeared to be concentrated at the storage warehouse. No remedial action was recommended since the contamination was not expected to migrate. The remainder of the results identified trace VOCs and semivolatile organic compounds (SVOCs) attributed to the historical fill, which was noted to extend from 1 to 10 feet below grade throughout the site.

Phase I Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, AKRF, Inc., January 2015

AKRF conducted a Phase I ESA of the Property in January 2015, which identified known and potential sources of contamination, including the following Recognized Environmental Conditions (RECs):

- Common products and wastes at an auto salvage shop include motor oil, solvents and degreasers, waste oil, hydraulic fluid, anti-freeze, paints, and gasoline. Historic automotive uses may have affected the Property subsurface. As previously noted and summarized in AKRF's 2015 Phase I report, the October 2001 test pit investigation conducted by Key Environmental reported oil and engine fluids were observed in soil from one to three feet below grade in the front portion of the yard (potentially off-site). In addition, the top three feet of soil were reported to be heavily soaked with oil and inundated with small machine parts at the working areas of the crusher (off-site) and two active disassembly areas (no plan was included showing these two locations). The report indicated that the top foot of oil-soaked soil in the front ⅓ of the yard (possibly off-site) was considered hazardous waste and the remaining two feet was considered "non-hazardous oil waste". No tabulated analytical data or laboratory reports were provided with the report. Based on the history of the site, such contamination may be present in areas not previously investigated.
- Eleven five-gallon containers of oil (waste oil, hydraulic oil and other fuels) and two two-gallon cans of kerosene were observed in the warehouse on the southern portion of the Property during the reconnaissance. Minor oil staining was observed on the floor in the vicinity of these containers.
- The Property was listed in the NY Spills database with two closed status spills (Spill #0330026 consolidated under #0330015) (together, the "2003 Spills") issued in 2003 due for surficial releases of apparent automotive fluids and motor oils throughout the Property. A limited subsurface investigation conducted at the Property in 2004 to address the spill incidents identified xylenes above the Technical and Administrative Guidance Memorandum #4046 (TAGM) guidance value (the regulatory standards used at that time) in one soil sample collected from one foot below grade near the storage warehouse. Based on samples taken from other boring locations, the report stated that the contamination of the affected media appeared to be concentrated at this location and no remedial action was recommended. The remainder of the results identified trace volatile and semivolatile organic compounds (VOCs and SVOCs) and metals attributed to the historical fill, which was noted to extend to 1 to 10 feet below grade throughout the site. The spill was closed on April 28, 2010, after the NYSDEC case manager reviewed the 2004 report and conducted a site visit. Historical City

Directories and Sanborn maps identified multiple automotive uses in the surrounding area from 1966 to the present, including multiple auto repair shops and an auto painting shop south of the Property. The regulatory databases included listings for surrounding properties on the NY Spills database. Documented/undocumented releases from surrounding industrial, manufacturing and automotive-related facilities could have affected subsurface conditions beneath the Property.

The Phase I ESA also identified the following on-site Environmental Concerns:

- Based on the structures' ages, fluorescent lighting fixtures and electrical equipment may contain PCBs. Hydraulic lifts and machinery may have included equipment containing PCBs. Evidence of leaks and stains were observed near the machinery, but appear to be from auto parts, not from the equipment itself.
- Suspect asbestos-containing materials (ACM) are present in the office/shop and warehouse buildings.
- Based on the age of the office/shop building, warehouse building, and storage containers, lead-based paint may be present on indoor and/or outdoor surfaces.
- Historic Sanborn maps, city directories and topographic maps indicated that the Property comprised marshland between 1891 and 1898, which was subsequently filled by 1940 for use as an automotive salvage/wrecking yard. Extensive filling of marshland at the Property and adjacent areas may have affected subsurface conditions (naturally occurring methane may also be present beneath the Property).
- Historical City Directories and Sanborn maps identified the Brooklyn Union Gas Company, containing one 2,000,000- and one 10,000,000-cubic foot tanks, operated east-adjacent to the Property.
- Railroad tracks were noted immediately east of the Property, including rail yards. Rail yards and train tracks have been known to contaminate surrounding soil with creosote, which is chemical treatment for wood used in railway construction. Impacts from rail yards may also include spills from diesel and other petroleum products.

3.0 PHYSICAL SETTING AND PROPOSED DEVELOPMENT

The Property was occupied by an auto salvage yard operated as T&J Auto Salvage. Office trailers and two buildings (including one shop and one warehouse) were present on the western portion of the Property. The central portion of the Property contained metal racks of car parts and other storage containers. The eastern portion of the Property contained additional storage containers, concrete truck parking (a tenant on the eastern side of the Property), and associated storage areas for sand and gravel. The Property was covered with concrete pavement. The northern portion of the Property along Belt Parkway utilized by the salvage yard is not part of the Property and is considered an off-site abutter.

The surrounding area was mixed-use, including residential and auto-related (auto repair shops and parking lots) uses. Coney Island Creek abuts the majority of the southern limit of the Property aside from the upland access driveway situated immediately southwest of the Property. The Belt Parkway and easement were north-adjacent to the Property, beyond which were a large asphalt parking lot and an industrial warehouse. Cars were parked on Stillwell Avenue, west-adjacent to the Property, followed by Coney Island Creek. MTA subway tracks were east-adjacent, followed by a vacant property, which was a former manufactured gas plant. The surrounding blocks were primarily residential and auto-related uses with some commercial buildings. Current uses included a bus depot to the northwest; warehouses and auto repair to the south; and a commercial shopping area to the west across Stillwell Avenue.

According to the ALTA/ACSM Land Title Survey of the Property, prepared by Gallas Surveying Group, dated January 5, 2015, the Property slopes from approximately 11 to 12 feet above mean sea level (AMSL) on the northeastern portion of the Property to 10 feet AMSL on the southwestern portion. The surrounding area generally slopes toward Coney Island Creek and south toward the Lower New York Bay, located approximately one mile south of the Property. Surface conditions are classified by New York City Reconnaissance Soil Survey as Pavement and Buildings primarily with slopes of 0-8 percent. Subsurface conditions include layers of clay, gravel and sand above bedrock, which is located approximately 650 feet below grade. Groundwater was encountered at approximately 10 feet below grade at the Property during this subsurface investigation. Groundwater flow is expected to follow surface topography, primarily to the south towards Coney Island Creek. Groundwater in Brooklyn is not used as a potable source.

AKRF understands that the proposed project would entail the demolition of the existing structures, followed by the construction of a new self-storage facility with no basement in the eastern portion of the Property. In addition, the redevelopment will require an on-site septic system, which is proposed in the north-central portion of the Property along the northern property line. It is assumed that the existing on-site septic system will be excavated and the proposed system will require excavation of fill material to allow for adequate drainage conditions. Dewatering is not anticipated to be necessary for the proposed project. The proposed redevelopment schematic is shown on Figure 2.

4.0 FIELD ACTIVITIES

The initial field activities were conducted on May 19 and 20, 2015 by AKRF personnel and Eastern Environmental Solutions, Inc. (Eastern) of Manorville, New York. AKRF personnel returned to the Property on May 28, 2015 to complete groundwater sampling activities.

The scope of work conducted by AKRF included: the advancement of six borings, three of which were completed as permanent, two-inch diameter PVC groundwater monitor wells; the collection of soil and groundwater samples for laboratory analyses; and the collection of water and sediment samples from existing on-site drywells. Sampling locations are depicted on Figure 2. A photographic log depicting the field activities is included as Appendix A.

4.1 Soil Sampling and Analysis

Six soil borings (SB-1 through SB-6) were advanced at exterior portions of the Property to groundwater or the depth of the interface between fill materials and apparent native soil, whichever was deeper. The boring locations are depicted on Figure 2.

The soil borings were advanced using a track-mounted Geoprobe® direct push probe (DPP) unit operated by Eastern. Two soil samples were collected from each of the six borings. One soil sample was collected from the interval exhibiting the greatest contamination (e.g., odors, staining or elevated PID readings) and one sample was collected from just above the groundwater interface. Soil cores were collected from the Geoprobe borings using five-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. Soil was field-screened using a photoionization detector (PID), which measures relative concentrations of VOCs. At each boring location, AKRF field personnel recorded and documented subsurface conditions. Soil boring logs are provided in Appendix B.

Soil samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with EPA protocols. The soil samples were analyzed by Alpha Labs of Westborough, Massachusetts (Alpha Labs), a New York State Department of Health (NYSDOH) ELAP-

certified laboratory, for VOCs by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082 and Resource Conservation and Recovery Act (RCRA) 8 Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).

4.2 Drywell Inspection and Sampling

Six drywells (DW-1 through DW-6) were identified throughout the northwestern and central portions of the Property, as shown on Figure 2. Approximately two feet of water was present within drywells DW-1 and DW-2. No water was present within drywells DW-3 through DW-6. Sediment was present in all of the drywells, with measurable amounts ranging from 2 inches at DW-5 to 48 inches at DW-4. Water samples were collected from drywells DW-1 and DW-2 using dedicated PVC bailers. Due to the appreciable amount of sediment in DW-4, a sediment sample was collected from DW-4 using dedicated sampling equipment. Sediment and water samples were submitted to Alpha Labs and analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA 8 metals (both total and dissolved for water) and PCBs using EPA Method 8081.

4.3 Groundwater Sample Collection and Analysis

Three of the soil borings (SB-2/MW-1, SB-4/MW-2, and SB-5/MW-3) were completed as permanent 2-inch Schedule 40, threaded, flush-joint PVC wells. Based on the observed groundwater table, five-foot monitor well screen sections were installed across the water table at depths of approximately 10 to 15 feet (MW-1), and 8 to 13 feet (MW-2 and MW-3) below ground surface and backfilled with clean Morie #1 sand. A bentonite seal was placed above the sand pack and the monitoring wells were completed using locking gate boxes, flush with grade. Monitor well construction logs are provided in Appendix C.

Following installation, each monitor well was developed via over-pumping, or surging and pumping, until at least three well volumes were evacuated and the purge water was clear. A 2-inch submersible pump and dedicated tubing were used at each monitoring well during development. The purge water was containerized in a 55-gallon drum and label accordingly pending off-site disposal.

One week after well development, groundwater samples were collected from newly installed monitor wells (MW-1 through MW-3). The wells were sampled using low flow sampling techniques in accordance with NYSDEC guidelines, and dedicated, pre-cleaned sampling equipment. Prior to collecting groundwater samples, the depth to groundwater and the total well depth were measured in each well using a multi-parameter interface probe attached to a measuring tape accurate to 0.01 feet. No free phase product was detected in any of the monitor wells during the sampling event. Purging of the wells continued until turbidity of the water decreased and groundwater quality parameters stabilized. The groundwater samples collected from each of the three permanent wells were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, RCRA 8 metals (both total and dissolved) and PCBs using EPA Method 8081. The monitor well sampling logs associated with the sampling event are provided in Appendix D.

4.4 Field Observations

Soil and Groundwater Sampling

Urban fill materials (including sand, gravel, silt, tile, metal, brick, ash, wood, cloth, coal, coal slag, and asphalt) were observed from just below the surface to depths ranging from

approximately 9 to 11 feet below grade within the soil borings. PID concentrations ranging from 0.4 parts per million (ppm) [SB-3 (3'-4')] to 558 ppm [SB-5 (1'-2')] were detected in all the borings, with the highest detections from 511 ppm to 558 ppm observed in the upper fill layer (0 to 5 feet below grade). Petroleum and/or creosote-like odors were observed on soil in the upper fill layer at all of the soil boring locations with the exception of SB-1 and SB-3. Evidence of petroleum-like odors and contamination appeared to dissipate toward the groundwater table in all borings, which was encountered at approximately 10 feet below grade throughout the majority of the Property.

No free phase product was detected in any of the monitor wells during the sampling event. A slight petroleum-like sheen and odors were noted on groundwater in monitor wells MW-1 and MW-2 during sampling. Soil descriptions, observations, and PID readings were recorded on the soil boring logs provided in Appendix B. Monitor well sampling logs are provided in Appendix D.

Drywell Inspection and Sampling

Approximately two feet of water was present within drywells DW-1 and DW-2. No water was present within drywells DW-3 through DW-6. No free phase petroleum product was detected with the multi-parameter interface probe in DW-1 or DW-2; however, a petroleum-like sheen and odors were detected on the water samples collected from both drywells. Sediment with petroleum-like odors and/or sheen was present in drywells DW-2 (approximately 12-inches of sediment), DW-3 (approximately 6-inches of sediment), and DW-4 (approximately 48-inches of sediment). The drywell locations are depicted on Figure 2.

5.0 ANALYTICAL RESULTS

5.1 Soil and Sediment Sampling Results

Soil and sediment laboratory analyses were performed by Alpha Analytical Laboratories of Westborough, Massachusetts, a NYSDOH-ELAP certified laboratory. Soil laboratory analysis results are summarized in Tables 1 to 4. Analytical results were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Part 375 Soil Cleanup Objectives for Restricted – Commercial Use (CSCOs). The complete laboratory analytical data reports are included in Appendix E.

Volatile Organic Compounds

The petroleum-related constituent 1,2,4-trimethylbenzene was detected in soil samples SB-4 (2'-4') at a concentrations of 270 milligrams per kilogram (mg/kg), exceeding both the NYSDEC USCO and CSCO. 1,2,4-trimethylbenzene was also detected in soil sample SB-2 (2'-4') at a concentration of 14 mg/kg, exceeding the USCO, but below the CSCO. Additional petroleum-related VOCs detected in soil sample SB-4 (2'-4') at concentrations exceeding their respective USCOs included 1,3,5-trimethylbenzene, benzene, ethylbenzene, n-propylbenzene, naphthalene, toluene, and o-xylene, p/m-xylene, and total xylenes. O-xylene, p/m-xylene, and total xylene were detected at concentrations exceeding their respective USCOs in soil sample SB-2 (2'-4'). None of these VOC detections exceeded their respective NYSDEC CSCOs. Acetone was detected in soil samples SB-1 (10'-12'), SB-2 (2'-4'), SB-2 (10'-12'), SB-5 (0.5'-2.5'), and SB-6 (1'-3') at concentrations ranging from 0.054 mg/kg to 0.27 mg/kg, exceeding the NYSDEC USCO of 0.05 mg/kg. Soil analytical results for VOCs are presented in Table 1.

Semi-Volatile Organic Compounds

The SVOCs benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected in soil samples SB-2 (2'-4'), SB-2 (10'-12'), SB-4 (2'-4'), SB-5 (8'-10'), and SB-6 (8'-10') at concentrations exceeding their respective NYSDEC USCOs. The concentrations of benzo(a)pyrene in these samples also exceeded the CSCO. Benzo(b)fluoranthene was also detected above the USCO in soil sample SB-5 (0.5'-2.5').

The SVOC benzo(k)fluroanthene was detected in soil samples SB-2 (2'-4'), SB-4 (2'-40'), and SB-6 (8'-10') at concentrations ranging from 0.92 mg/kg to 1.3 mg/kg, slightly exceeding the NYSDEC USCO of 0.8 mg/kg.

The SVOC chrysene was detected in soil samples SB-2 (2'-4'), SB-2 (10'-12'), SB-4 (2'-4'), SB-5 (8'-10'), and SB-6 (8'-10') at concentrations ranging from 1.8 mg/kg to 2.9 mg/kg, exceeding the USCO of 1 mg/kg,

The SVOC indeno(1,2,3-cd)pyrene was detected in soil samples SB-2 (2'-4'), SB-2 (10'-12'), SB-4 (2'-4'), SB-5 (0.5'-2.5'), SB-5 (8'-10'), and SB-6 (8'-10') at concentrations ranging from 0.69 to 1.7 mg/kg, exceeding the USCO of 0.5 mg/kg.

The SVOC 3-methylphenol/4-methylphenol was detected in soil sample SB-2 (10'-12') at a concentration of 0.52 mg/kg, exceeding the USCO of 0.33 mg/kg.

The SVOC dibenzo(a,h)anthracene was deteceted in soil sample SB-6 (8'-10') at a concentration of 0.37 mg/kg, exceeding the USCO of 0.33 mg/kg. Soil analytical results for SVOCs are presented in Table 2.

Metals

Several metals were detected at concentrations exceeding their respective NYSDEC Soil Cleanup Objectives in soil samples collected during the investigation. Detected metals that exceeded USCOs and/or CSCOs included the following:

- Lead was detected in eight of the soil samples at concentrations ranging from 69 mg/kg [SB-2 (10'-12')] to 670 mg/kg [SB-6 (1'-3')], exceeding the USCO of 63 mg/kg, but below the CSCO of 1,000 mg/kg.
- Mercury was detected in six of the soil samples at concentrations ranging from 0.18 mg/kg [SB-4 (2'-4')] to 1.3 mg/kg [(SB-2 (10'12')], exceeding the USCO of 0.18 mg/kg, but below the CSCO of 2.8 mg/kg.
- Chromium was detected in soil sample SB-4 (2'-4') and sediment sample DW-4-SED at concentrations of 84 mg/kg and 140 mg/kg respectively, exceeding the USCO of 30 mg/kg, but below the CSCO of 1,500 mg/kg.
- Barium was detected in soil sample SB-6 (8'-10') at a concentration of 570 mg/kg, exceeding its USCO of 350 mg/kg and its CSCO of 400 mg/kg.
- Arsenic was detected in soil sample SB-6 (1'-3') at a concentration of 31 mg/kg, exceeding its USCO of 13 mg/kg and its CSCO of 16 mg/kg.
- Silver was detected in soil sample SB-4 (7'-9') and sediment sample DW-4-SED at concentrations of 2.7 mg/kg and 2.2 mg/kg, respectively, exceeding the USCO of 2 mg/kg, but below the CSCO of 1,500 mg/kg.

The samples that exhibited metals exceedances were collected within the fill layer throughout the Property. Soil analytical results for metals are presented in Table 3.

Polychlorinated Biphenyls (PCBs)

The PCB aroclor 1268 was detected at a concentration of 0.618 mg/kg in soil sample SB-5 (0.5'-2.5'). Total PCBs were detected in this soil sample at an estimated concentration of 0.712 mg/kg. Both of these detections in this soil sample are above the NYSDEC USCO of 0.1 mg/kg, but below the CSCO of 1 mg/kg. Total PCBs were detected at a concentration of 0.165 mg/kg in soil sample SB-6(1'-3'), above the USCO of 0.1 mg/kg (but below the CSCO of 1 mg/kg). No other PCBs were detected above the USCOs or CSCOs in the soil samples analyzed as part of the investigation. Soil analytical results for PCBs are presented in Table 4.

5.2 Groundwater and Drywell Water Sampling Results

During the May 20, 2015 sampling event, drywells DW-1 and DW-2 were gauged and water samples were collected from within each drywell with dedicated bailers. During the May 28, 2015 sampling event, groundwater monitor wells MW-1, MW-2, and MW-3 were gauged, purged, and sampled using low flow sampling techniques in accordance with NYSDEC guidelines. Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS). Groundwater sample analytical results for all groundwater samples are included in Tables 5 through 8. Groundwater laboratory analytical data reports are included in Appendix E.

Volatile Organic Compounds

Petroleum-related VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, xylenes, and methyl tert butyl ether (MTBE) were detected in groundwater sample MW-2 at concentrations above their respective AWQS. The petroleum-related VOCs 1,2,4,5-trimethylbenzene, isopropylbenzene, and MTBE were also detected in groundwater sample MW-1 above their respective AWQS. VOCs, including 1,2,4-trimethylbenzene, acetone, ethylbenzene, naphthalene, xylenes, and toluene, were detected in drywell water sample DW-2 above their respective AWQS. Naphthalene reported as a VOC was detected in groundwater sample MW-3, but at a concentration below the AWQS. Groundwater analytical results for VOCs are presented in Table 5.

Semi-Volatile Organic Compounds

Bis(2-ethylhexyl)phthalate was detected in drywell water samples DW-1 and DW-2 at concentrations of 38 micrograms per liter (µg/L) and 120 µg/L, respectively, exceeding the AWQS of 5 µg/L. Phenol and naphthalene were also detected in drywell water sample DW-2 at concentrations above their respective AWQS.

Chrysene was detected in groundwater sample MW-3 and drywell water sample DW-2 at concentrations of 0.07 µg/L and 0.67 µg/L, respectively, exceeding the AWQS of 0.002 µg/L.

Benzo(b)fluoranthene was detected in groundwater sample MW-3 at a concentration of 0.1 µg/L, exceeding the AWQS of 0.002 µg/L. Groundwater analytical results for SVOCs are presented in Table 6.

Metals

Metals were detected in both unfiltered and filtered groundwater samples analyzed as part of the investigation. Lead was detected at concentrations exceeding the Class GA standard in the unfiltered drywell water samples DW-1 and DW-2, and in groundwater samples MW-1 and MW-2 at concentrations ranging from 35.5 µg/L (MW-2) to 996 µg/L (DW-2), exceeding the AWQS of 25 µg/L. Chromium was detected in the unfiltered drywell water samples DW-1 and DW-2 at

concentrations of 248 µg/L and 259 µg/L, respectively, exceeding the AWQS of 50 µg/L. Barium was detected in the unfiltered groundwater sample MW-1 at a concentration of 1,140 µg/L, exceeding the AWQS of 1,000 µg/L.

The detected concentrations of metals in the lab filtered samples were all below their respective AWQS for all of the samples analyzed as part of the investigation. The analytical results suggest that the higher metals concentrations in the unfiltered samples were due to suspended sediments entrained in the collected samples. Groundwater analytical results for metals are presented in Table 7.

PCBs

No PCBs were detected above laboratory reporting limits in any of the groundwater or drywell water samples. Groundwater analytical results for PCBs are presented in Table 8.

6.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at the property located at 2647 Stillwell Avenue (Tax Block 7247, Lots 200, 203, 205, 206, 211, and 213) (the Property) in the Coney Island neighborhood of Brooklyn, as shown on Figure 1. The scope of this investigation was based on a review of previous environmental investigations conducted at the Property (as described in Section 2.0) and the proposed redevelopment.

AKRF's Phase II investigation was conducted on May 19, 20, and 28, 2015 and included the following:

- The advancement of six borings, three of which were completed as permanent, two-inch diameter PVC groundwater monitor wells;
- The collection of soil and groundwater samples for laboratory analyses; and
- The collection of water and sediment samples from select on-site dry wells for laboratory analyses.

Urban fill materials (including sand, gravel, silt, tile, metal, brick, ash, wood, cloth, coal, coal slag, and asphalt) were observed within the soil borings from just below the surface to depths ranging from approximately 9 to 11 feet below grade. PID concentrations ranging from 0.4 parts per million (ppm) [SB-3 (3'-4')] to 558 ppm [SB-5 (1'-2')] were detected in all the borings, with the highest detections from 511 ppm to 558 ppm observed in the upper fill layer (0 to 5 feet below grade). Petroleum and/or creosote-like odors were observed on soil in the upper fill layer at all of the soil boring locations with the exception of SB-1 and SB-3. Petroleum-like odors and contamination appeared to dissipate toward the groundwater table in all borings, which was encountered at approximately 10 feet below grade throughout the majority of the Property.

No free phase product was detected in any of the monitor wells using the multi-parameter interface probe during the sampling event. A slight petroleum-like sheen and odors were noted on groundwater in monitor wells MW-1 and MW-2 during sampling.

Approximately two feet of water was present within drywells DW-1 and DW-2. No water was present within drywells DW-3 through DW-6. No free phase petroleum product was detected using the multi-parameter interface in DW-1 or DW-2; however, a petroleum-like sheen and odors were detected on the water samples collected from both drywells. Sediment with petroleum-like odors and/or sheen was present in drywells DW-2 (approximately 12 inches of sediment), DW-3 (approximately 6 inches of sediment), and DW-4 (approximately 48 inches of sediment). Sample locations are shown on Figure 2.

6.1 Conclusions

A summary of the analytical results for soil and sediment samples based on a comparison to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Part 375 Soil Cleanup Objectives for Restricted – Commercial Use (CSCOs) is as follows:

- The VOC 1,2,4-trimethylbenzene was detected in soil sample SB-4 (2'-4') located in the western portion of the Property at a concentration exceeding both the USCO and CSCO. The petroleum-related VOCs 1,3,5-trimethylbenzene, benzene, ethylbenzene, n-propylbenzene, naphthalene, toluene, and o-xylene, p/m-xylene, and total xylenes were also detected in soil sample SB-4 (2'-4') at concentrations exceeding their respective USCOs (but below CSCOs). 1,2,4-trimethylbenzene, o-xylene, p/m-xylene, and total xylenes were detected at concentrations exceeding their respective USCOs in soil sample SB-2 (2'-4'). Acetone was detected in all of the submitted soil samples and exceeded the USCO in samples SB-1 (10'-12'), SB-2 (2'-4'), SB-2 (10'-12'), SB-5 (0.5'-2.5'), and SB-6 (1'-3').

- The SVOCs benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected in soil samples SB-2 (2'-4'), SB-2 (10'-12'), SB-4 (2'-4'), SB-5 (8'-10'), and SB-6 (8'-10') at concentrations exceeding their respective USCOs. The concentrations of benzo(a)pyrene in these samples also exceeded the CSCO. Benzo(b)fluoranthene was also detected above the USCO in soil sample SB-5 (0.5'-2.5'). The SVOCs benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were also detected at concentrations exceeding respective USCOs (but below CSCOs) in shallow and deep fill material throughout the Property. The majority of the SVOCs detected at concentrations exceeding respective USCOs or CSCOs are polycyclic aromatic hydrocarbons (PAHs), a class of compounds found in some petroleum products and coal tar, coal ash, and other combustion products commonly found in urban fill. The detected PAH concentrations are at least in part attributable to fill materials identified in each of the borings advanced during the investigation.
- Several metals were detected at concentrations exceeding their respective USCOs in one or more of the soil samples. Lead was detected in eight soil samples and mercury was detected in six of the soil samples exceeding their respective USCOs (but below respective CSCOs). Arsenic [SB-6 (1'-3')] and barium [SB-6 (8'-10')] were detected at concentrations exceeding both respective USCOs and CSCOs. Chromium was detected at concentrations exceeded the USCO in soil sample SB-4 (2'-4') and sediment sample DW-4-SED. Silver was detected in soil sample SB-4 (7'-9') and sediment sample DW-4-SED at concentrations exceeding the USCO (but below the CSCO). The metal detections are likely attributable to urban fill materials and do not indicate a release at the Property.

A summary of the analytical results for drywell water and groundwater samples based on a comparison to the NYSDEC Class GA Ambient Water Quality Standards (AWQS) is as follows:

- Several petroleum-related VOCs were detected at concentrations exceeding AWQS, most notably in groundwater samples MW-1 and MW-2 and drywell water sample DW-2. These results indicate the presence of residual petroleum-related groundwater contamination associated with historic operations and the closed status spills reviewed by NYSDEC.
- The SVOC bis(2-ethylhexyl)phthalate was detected in drywell water samples DW-1 and DW-2 (located in the western portion of the Property) at concentrations exceeding the AWQS. Phenol and naphthalene were also detected in drywell water sample DW-2 at concentrations above their respective AWQS. Chrysene was detected in groundwater sample MW-3 and drywell water sample DW-2 at concentrations exceeding the AWQS. Benzo(b)fluoranthene was detected in groundwater sample MW-3 at a concentration slightly exceeding the AWQS.
- Metals were detected in both unfiltered and filtered groundwater samples analyzed as part of the investigation. Lead was detected at concentrations exceeding the Class GA standard in the unfiltered drywell water samples DW-1 and DW-2, and in groundwater samples MW-1 and MW-2. Chromium was detected in the unfiltered drywell water samples DW-1 and DW-2 exceeding the AWQS, and barium was detected in unfiltered groundwater sample MW-1 at a concentration exceeding the AWQS. The detected concentrations of metals in the laboratory-filtered samples were all below their respective AWQS for all of the samples analyzed. The analytical results suggest that the metals concentrations in the unfiltered samples were due to suspended sediments entrained in the collected samples.

Based on field observations and the analytical results for soil, sediment, and groundwater samples collected during the investigation, residual petroleum contamination remains within localized areas of the shallow fill layer (between approximately one to four feet below grade) and shallow groundwater table in the western portion of the Property.

6.2 Recommendations

AKRF understands that the proposed redevelopment of the Property would entail the demolition of the existing structures, followed by the construction of a new self-storage facility with no basement in the eastern portion of the Property. In addition, the Property will require an on-site septic system, which is proposed in the north-central portion of the Property along the property line. It is assumed that the existing on-site septic system will be excavated and the proposed system will require excavation of fill material to allow for adequate drainage conditions. Dewatering is not anticipated to be necessary for the proposed project.

Based on a review of previous environmental investigation reports compiled at the Property, and the findings of the Phase II investigation, AKRF recommends the following measures be followed during completion of the redevelopment:

- Waste characterization soil/fill samples should be collected and analyzed in accordance with disposal facility requirements for all soil/fill to be removed from the Property during completion of the redevelopment. Soil and fill materials excavated as part of redevelopment activities should be properly segregated, handled and managed in accordance with applicable regulations, as discussed in Section 8.0. Transportation of material leaving the Property for off-site disposal (including any material potentially excavated during additional investigation or waste characterization activities) must be done in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- The existing septic system, and all existing drywells and drainage structures should be properly removed and/or abandoned during completion of the redevelopment.
- If underground storage tanks (USTs) are encountered during redevelopment, such tanks should be registered with NYSDEC and/or the NYC Fire Department, if required, and closed and removed along with any contaminated soil in accordance with all applicable regulations.
- A vapor barrier should be installed as part of the waterproofing system for the proposed new construction. The barrier should be installed along the foundation walls and below the lowest level horizontal slab. The barrier will serve to mitigate potential vapors from entering the new construction.
- Prior to any renovation or demolition activities with the potential to disturb suspect ACM in the existing structures, an asbestos survey should be conducted. If these materials prove to contain asbestos, they should be properly removed and disposed of in accordance with all local, state, and federal regulations prior to any renovation or demolition that would disturb those materials.
- Unless there is labeling or test data that indicates that fluorescent lights, hydraulic equipment and other electrical equipment are not mercury- and/or PCB-containing, if disposal is required, it should be performed in accordance with applicable federal, state and local regulations and guidelines.
- Any activities (such as renovation or demolition) with the potential to disturb lead-based paint must be performed in accordance with applicable requirements (including federal Occupational Safety and Health Administration regulation 29 CFR 1926.62 - Lead Exposure in Construction).
- If disposal of any chemicals or automotive fluids is required, it should be conducted in accordance with applicable regulations.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Storage Deluxe. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. Phase I and Phase II Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, Key Environmental, October 2001.
2. Phase II Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, Key Environmental, February 2005.
3. Phase I Environmental Site Assessment – 2647 Stillwell Avenue, Brooklyn, NY, AKRF, Inc., January 2015.
4. ALTA/ACSM Land Title Survey – Lots 200, 203, 205, 206, 211 & 213, Block 7247, 2647 Stillwell Avenue @ Belt Parkway, Borough of Brooklyn, County of Kings, City and State of New York, Gallas Surveying Group, January 5, 2015
5. U.S. Geological Survey, *Coney Island, New York – New Jersey Quadrangle*, 7.5 minute Series (Topographic), Scale 1:24,000, 1966, Photorevised 1995.
6. 6 NYCRR Section 375-6: *Remedial Program Soil Cleanup Objectives (SCOs)*, December 14, 2006.
7. NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, March 1998.

TABLES

Table 1
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-1 (1'-3')	SB-1 (10'-12')	SB-2 (2'-4')	SB-2 (10'-12')	SB-3 (1'-3')	SB-3 (9'-11')
Lab Sample ID	Part 375	Part 375	L1510925-01	L1510925-02	L1510925-03	L1510925-04	L1510925-05	L1510925-06
Date Sampled	Unrestricted	Commercial	5/19/2015	5/19/2015	5/19/2015	5/19/2015	5/19/2015	5/19/2015
Dilution	SCO	SCO	1	1	1/50*	1	1	1
mg/kg	mg/kg	mg/kg						
1,1,1,2-Tetrachloroethane	NS	NS	0.00035 U	0.00039 U	0.0004 U	0.00069 U	0.00037 U	0.00038 U
1,1,1-Trichloroethane	0.68	500	0.00012 U	0.00014 U	0.00014 U	0.00024 U	0.00013 U	0.00013 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00011 U	0.00012 U	0.00012 U	0.00022 U	0.00012 U	0.00012 U
1,1,2-Trichloroethane	NS	NS	0.00033 U	0.00037 U	0.00038 U	0.00066 U	0.00035 U	0.00036 U
1,1-Dichloroethane	0.27	240	0.00009 U	0.0001 U	0.00011 U	0.00019 U	0.0001 U	0.0001 U
1,1-Dichloroethene	0.33	500	0.00029 U	0.00032 U	0.00032 U	0.00057 U	0.0003 U	0.00031 U
1,1-Dichloropropene	NS	NS	0.00016 U	0.00017 U	0.00018 U	0.00031 U	0.00016 U	0.00017 U
1,2,3-Trichlorobenzene	NS	NS	0.00016 U	0.00018 U	0.00018 U	0.00032 U	0.00017 U	0.00018 U
1,2,3-Trichloropropane	NS	NS	0.00018 U	0.0002 U	0.0002 U	0.00035 U	0.00019 U	0.00019 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.002 J	0.00016 U	0.25	0.018	0.0004 J	0.00015 U
1,2,4-Trichlorobenzene	NS	NS	0.0002 U	0.00022 U	0.00022 U	0.0004 U	0.00021 U	0.00022 U
1,2,4-Trimethylbenzene	3.6	190	0.0038 J	0.00017 U	**14**	0.0029 J	0.00016 U	0.00017 U
1,2-Dibromo-3-chloropropane	NS	NS	0.00044 U	0.00048 U	0.00049 U	0.00086 U	0.00046 U	0.00047 U
1,2-Dibromoethane	NS	NS	0.00019 U	0.00021 U	0.00022 U	0.00038 U	0.0002 U	0.00021 U
1,2-Dichlorobenzene	1.1	500	0.00017 U	0.00019 U	0.00019 U	0.00033 U	0.00018 U	0.00018 U
1,2-Dichloroethane	0.02	30	0.00012 U	0.00014 U	0.00014 U	0.00025 U	0.00013 U	0.00013 U
1,2-Dichloroethene, Total	NS	NS	0.00016 U	0.00017 U	0.00018 U	0.00031 U	0.00016 U	0.00017 U
1,2-Dichloropropane	NS	NS	0.00025 U	0.00028 U	0.00028 U	0.0005 U	0.00026 U	0.00027 U
1,3,5-Trimethylbenzene	8.4	190	0.0017 J	0.00018 U	4.4	0.00031 U	0.00016 U	0.00017 U
1,3-Dichlorobenzene	2.4	280	0.00015 U	0.00016 U	0.00017 U	0.00029 U	0.00016 U	0.00016 U
1,3-Dichloropropane	NS	NS	0.00016 U	0.00018 U	0.00018 U	0.00032 U	0.00017 U	0.00017 U
1,3-Dichloropropene, Total	NS	NS	0.00013 U	0.00014 U	0.00015 U	0.00026 U	0.00014 U	0.00014 U
1,4-Dichlorobenzene	1.8	130	0.00015 U	0.00017 U	0.00017 U	0.0003 U	0.00016 U	0.00016 U
1,4-Dioxane	0.1	130	0.016 U	0.018 U	0.018 U	0.031 U	0.017 U	0.017 U
2,2-Dichloropropane	NS	NS	0.00025 U	0.00028 U	0.00028 U	0.00049 U	0.00026 U	0.00027 U
2-Butanone	0.12	500	0.0054 J	0.03	0.068	0.059	0.0089 J	0.00032 U
2-Hexanone	NS	NS	0.00073 U	0.00081 U	0.00083 U	0.0014 U	0.00077 U	0.00079 U
4-Methyl-2-pentanone	NS	NS	0.00027 U	0.0003 U	0.0003 U	0.00053 U	0.00028 U	0.00029 U
Acetone	0.05	500	0.027	**0.18**	**0.054**	**0.27**	0.034	0.0046 J
Acrylonitrile	NS	NS	0.00056 U	0.00063 U	0.00064 U	0.0011 U	0.00059 U	0.00061 U
Benzene	0.06	44	0.00084 J	0.00014 U	0.028	0.00026 U	0.00014 U	0.00014 U
Bromobenzene	NS	NS	0.00023 U	0.00025 U	0.00026 U	0.00045 U	0.00024 U	0.00025 U
Bromochloromethane	NS	NS	0.0003 U	0.00034 U	0.00034 U	0.0006 U	0.00032 U	0.00033 U
Bromodichloromethane	NS	NS	0.00019 U	0.00021 U	0.00022 U	0.00038 U	0.0002 U	0.0002 U
Bromoform	NS	NS	0.00026 U	0.00029 U	0.00029 U	0.00051 U	0.00027 U	0.00028 U
Bromomethane	NS	NS	0.00037 U	0.00041 U	0.00042 U	0.00073 U	0.00039 U	0.0004 U
Carbon disulfide	NS	NS	0.0012 U	0.0013 U	0.0014 U	0.0024 U	0.0013 U	0.0013 U
Carbon tetrachloride	0.76	22	0.00023 U	0.00026 U	0.00026 U	0.00046 U	0.00024 U	0.00025 U
Chlorobenzene	1.1	500	0.00038 U	0.00042 U	0.00043 U	0.00076 U	0.0004 U	0.00041 U
Chloroethane	NS	NS	0.00035 U	0.00038 U	0.00039 U	0.00069 U	0.00036 U	0.00037 U
Chloroform	0.37	350	0.00041 U	0.00045 U	0.00046 U	0.0008 U	0.00043 U	0.00044 U
Chloromethane	NS	NS	0.00032 U	0.00036 U	0.00036 U	0.00064 U	0.00034 U	0.00035 U
cis-1,2-Dichloroethene	0.25	500	0.00016 U	0.00017 U	0.00018 U	0.00031 U	0.00016 U	0.00017 U
cis-1,3-Dichloropropene	NS	NS	0.00013 U	0.00014 U	0.00015 U	0.00026 U	0.00014 U	0.00014 U
Dibromochloromethane	NS	NS	0.00017 U	0.00019 U	0.00019 U	0.00033 U	0.00018 U	0.00018 U
Dibromomethane	NS	NS	0.00018 U	0.0002 U	0.0002 U	0.00036 U	0.00019 U	0.00019 U
Dichlorodifluoromethane	NS	NS	0.00021 U	0.00023 U	0.00024 U	0.00041 U	0.00022 U	0.00023 U
Ethyl ether	NS	NS	0.00028 U	0.00032 U	0.00032 U	0.00056 U	0.0003 U	0.00031 U
Ethylbenzene	1	390	0.0067	0.00016 U	0.19	0.00028 U	0.00015 U	0.00015 U
Hexachlorobutadiene	NS	NS	0.00025 U	0.00028 U	0.00028 U	0.0005 U	0.00026 U	0.00027 U
Isopropylbenzene	NS	NS	0.00011 U	0.00013 U	0.022	0.007	0.00012 U	0.00012 U
Methyl tert butyl ether	0.93	500	0.0018 J	0.0001 U	0.09	0.0024 J	0.0029	0.0001 U
Methylene chloride	0.05	500	0.0012 U	0.0013 U	0.0014 U	0.0024 U	0.0013 U	0.0013 U
Naphthalene	12	500	0.0038 J	0.00017 U	5.1	0.0003 U	0.00087 J	0.00016 U
n-Butylbenzene	12	500	0.00013 U	0.00014 U	0.035	0.00025 U	0.00013 U	0.00014 U
n-Propylbenzene	3.9	500	0.00012 U	0.00013 U	0.074	0.00024 U	0.00013 U	0.00013 U
o-Chlorotoluene	NS	NS	0.00018 U	0.0002 U	0.0002 U	0.00035 U	0.00018 U	0.00019 U
o-Xylene	0.26	500	0.0016 J	0.00021 U	**0.27**	0.00037 U	0.0002 U	0.0002 U
p/m-Xylene	0.26	500	0.0025	0.00024 U	**8.9**	0.0016 J	0.00079 J	0.00023 U
p-Chlorotoluene	NS	NS	0.00014 U	0.00016 U	0.00016 U	0.00029 U	0.00015 U	0.00016 U
p-Diethylbenzene	NS	NS	0.0047	0.0002 U	7.8	0.00035 U	0.00018 U	0.00019 U
p-Ethyltoluene	NS	NS	0.0025 J	0.00015 U	9.1	0.00027 U	0.00034 J	0.00015 U
p-Isopropyltoluene	NS	NS	0.00014 U	0.00015 U	0.013	0.00027 U	0.00014 U	0.00015 U
sec-Butylbenzene	11	500	0.00013 U	0.00015 U	0.01	0.0018 J	0.00014 U	0.00014 U
Styrene	NS	NS	0.0021 J	0.00049 U	0.0032	0.00087 U	0.00046 U	0.00048 U
tert-Butylbenzene	5.9	500	0.00015 U	0.00016 U	0.00017 U	0.00029 U	0.00016 U	0.00016 U
Tetrachloroethene	1.3	150	0.00015 U	0.00017 U	0.00017 U	0.0003 U	0.00016 U	0.00017 U
Toluene	0.7	500	0.00094 J	0.00024 U	0.069	0.00042 U	0.00022 U	0.00023 U
trans-1,2-Dichloroethene	0.19	500	0.00023 U	0.00026 U	0.00026 U	0.00046 U	0.00024 U	0.00025 U
trans-1,3-Dichloropropene	NS	NS	0.00013 U	0.00015 U	0.00015 U	0.00026 U	0.00014 U	0.00014 U
trans-1,4-Dichloro-2-butene	NS	NS	0.00043 U	0.00048 U	0.00049 U	0.00085 U	0.00045 U	0.00046 U
Trichloroethene	0.47	200	0.00014 U	0.00015 U	0.00016 U	0.00027 U	0.00014 U	0.00015 U
Trichlorofluoromethane	NS	NS	0.00043 U	0.00047 U	0.00048 U	0.00084 U	0.00045 U	0.00046 U
Vinyl acetate	NS	NS	0.00014 U	0.00016 U	0.00016 U	0.00029 U	0.00015 U	0.00016 U
Vinyl chloride	0.02	13	0.00013 U	0.00014 U	0.00014 U	0.00026 U	0.00014 U	0.00014 U
Xylenes, Total	0.26	500	0.0041 J	0.00021 U	**9.2**	0.0016 J	0.00079 J	0.0002 U

*** Dilution factor varies**

Table 1
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-4 (2'-4') L1510925-07 5/19/2015 200/2000*	SB-4 (7'-9') L1510925-08 5/19/2015 1	SB-5 (0.5'-2.5') L1511058-04 5/20/2015 1	SB-5 (8'-10') L1511058-05 5/20/2015 1	SB-6 (1'-3') L1511058-06 5/20/2015 1	SB-6 (8'-10') L1511058-07 5/20/2015 1	DW-4-SED L1511058-08 5/20/2015 1
1,1,1,2-Tetrachloroethane	NS	NS	0.073 U	0.00048 U	0.00034 U	0.00038 U	0.00036 U	0.00037 U	0.00052 U
1,1,1-Trichloroethane	0.68	500	0.025 U	0.00016 U	0.00012 U	0.00013 U	0.00013 U	0.00013 U	0.00018 U
1,1,2,2-Tetrachloroethane	NS	NS	0.023 U	0.00015 U	0.00011 U	0.00012 U	0.00011 U	0.00012 U	0.00016 U
1,1,2-Trichloroethane	NS	NS	0.07 U	0.00045 U	0.00033 U	0.00036 U	0.00035 U	0.00036 U	0.0005 U
1,1-Dichloroethane	0.27	240	0.02 U	0.00013 U	0.00009 U	0.0001 U	0.0001 U	0.0001 U	0.00014 U
1,1-Dichloroethene	0.33	500	0.06 U	0.00039 U	0.00028 U	0.00031 U	0.0003 U	0.00031 U	0.00043 U
1,1-Dichloropropene	NS	NS	0.032 U	0.00021 U	0.00015 U	0.00017 U	0.00016 U	0.00016 U	0.00023 U
1,2,3-Trichlorobenzene	NS	NS	0.034 U	0.00022 U	0.00016 U	0.00018 U	0.00017 U	0.00017 U	0.00024 U
1,2,3-Trichloropropane	NS	NS	0.037 U	0.00024 U	0.00018 U	0.00019 U	0.00018 U	0.00019 U	0.00027 U
1,2,4,5-Tetramethylbenzene	NS	NS	19	0.00054 J	0.048	0.00015 U	0.0011 J	0.00015 U	0.067
1,2,4-Trichlorobenzene	NS	NS	0.042 U	0.00027 U	0.0002 U	0.00022 U	0.00021 U	0.00021 U	0.0003 U
1,2,4-Trimethylbenzene	3.6	190	270	0.002 J	0.2	0.00017 U	0.0024 J	0.00016 U	0.07
1,2-Dibromo-3-chloropropane	NS	NS	0.091 U	0.00059 U	0.00043 U	0.00047 U	0.00045 U	0.00046 U	0.00065 U
1,2-Dibromoethane	NS	NS	0.04 U	0.00026 U	0.00019 U	0.00021 U	0.0002 U	0.0002 U	0.00029 U
1,2-Dichlorobenzene	1.1	500	0.035 U	0.00023 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U	0.00025 U
1,2-Dichloroethane	0.02	30	0.026 U	0.00017 U	0.00012 U	0.00013 U	0.00013 U	0.00013 U	0.00019 U
1,2-Dichloroethene, Total	NS	NS	0.033 U	0.00021 U	0.00016 U	0.00017 U	0.00016 U	0.00017 U	0.00023 U
1,2-Dichloropropane	NS	NS	0.052 U	0.00034 U	0.00025 U	0.00027 U	0.00026 U	0.00027 U	0.00037 U
1,3,5-Trimethylbenzene	8.4	190	54	0.0024 J	0.12	0.00017 U	0.00016 U	0.00017 U	0.11
1,3-Dichlorobenzene	2.4	280	0.031 U	0.0002 U	0.00015 U	0.00016 U	0.00015 U	0.00016 U	0.00022 U
1,3-Dichloropropane	NS	NS	0.033 U	0.00022 U	0.00016 U	0.00017 U	0.00016 U	0.00017 U	0.00024 U
1,3-Dichloropropene, Total	NS	NS	0.027 U	0.00018 U	0.00013 U	0.00014 U	0.00013 U	0.00014 U	0.00019 U
1,4-Dichlorobenzene	1.8	130	0.032 U	0.00021 U	0.00015 U	0.00016 U	0.00016 U	0.00016 U	0.00023 U
1,4-Dioxane	0.1	130	3.3 U	0.022 U	0.016 U	0.017 U	0.016 U	0.017 U	0.024 U
2,2-Dichloropropane	NS	NS	0.052 U	0.00034 U	0.00024 U	0.00027 U	0.00026 U	0.00026 U	0.00037 U
2-Butanone	0.12	500	0.062 U	0.0037 J	0.014	0.00032 U	0.018	0.00032 U	0.00045 U
2-Hexanone	NS	NS	0.15 U	0.001 U	0.00072 U	0.00079 U	0.00076 U	0.00078 U	0.0011 U
4-Methyl-2-pentanone	NS	NS	0.056 U	0.00036 U	0.00026 U	0.00029 U	0.00028 U	0.00028 U	0.0004 U
Acetone	0.05	500	0.24 U	0.027	0.056	0.015	0.12	0.012	0.048
Acrylonitrile	NS	NS	0.12 U	0.00077 U	0.00056 U	0.00061 U	0.00058 U	0.0006 U	0.00084 U
Benzene	0.06	44	3.4	0.00018 U	0.00013 U	0.00014 U	0.00013 U	0.00014 U	0.0043
Bromobenzene	NS	NS	0.048 U	0.00031 U	0.00023 U	0.00025 U	0.00024 U	0.00024 U	0.00034 U
Bromochloromethane	NS	NS	0.063 U	0.00041 U	0.0003 U	0.00033 U	0.00031 U	0.00032 U	0.00045 U
Bromodichloromethane	NS	NS	0.04 U	0.00026 U	0.00019 U	0.0002 U	0.0002 U	0.0002 U	0.00028 U
Bromoform	NS	NS	0.054 U	0.00035 U	0.00026 U	0.00028 U	0.00027 U	0.00028 U	0.00039 U
Bromomethane	NS	NS	0.077 U	0.0005 U	0.00037 U	0.0004 U	0.00038 U	0.0004 U	0.00056 U
Carbon disulfide	NS	NS	0.25 U	0.0016 U	0.0012 U	0.0013 U	0.0024 J	0.0013 U	0.0018 U
Carbon tetrachloride	0.76	22	0.048 U	0.00031 U	0.00023 U	0.00025 U	0.00024 U	0.00024 U	0.00034 U
Chlorobenzene	1.1	500	0.08 U	0.00052 U	0.00038 U	0.00041 U	0.0004 U	0.00041 U	0.00057 U
Chloroethane	NS	NS	0.072 U	0.00047 U	0.00034 U	0.00037 U	0.00036 U	0.00037 U	0.00052 U
Chloroform	0.37	350	0.085 U	0.00055 U	0.0004 U	0.00044 U	0.00042 U	0.00043 U	0.00061 U
Chloromethane	NS	NS	0.067 U	0.00044 U	0.00032 U	0.00035 U	0.00033 U	0.00034 U	0.00048 U
cis-1,2-Dichloroethene	0.25	500	0.033 U	0.00021 U	0.00016 U	0.00017 U	0.00016 U	0.00017 U	0.00023 U
cis-1,3-Dichloropropene	NS	NS	0.027 U	0.00018 U	0.00013 U	0.00014 U	0.00013 U	0.00014 U	0.00019 U
Dibromochloromethane	NS	NS	0.035 U	0.00023 U	0.00017 U	0.00018 U	0.00017 U	0.00018 U	0.00025 U
Dibromomethane	NS	NS	0.037 U	0.00024 U	0.00018 U	0.00019 U	0.00019 U	0.00019 U	0.00027 U
Dichlorodifluoromethane	NS	NS	0.044 U	0.00028 U	0.00021 U	0.00023 U	0.00022 U	0.00022 U	0.00031 U
Ethyl ether	NS	NS	0.059 U	0.00039 U	0.00028 U	0.00031 U	0.0003 U	0.0003 U	0.00043 U
Ethylbenzene	1	390	52	0.00019 U	0.0095	0.00015 U	0.0011	0.00015 U	0.016
Hexachlorobutadiene	NS	NS	0.052 U	0.00034 U	0.00025 U	0.00027 U	0.00026 U	0.00027 U	0.00037 U
Isopropylbenzene	NS	NS	13	0.00016 U	0.0032	0.00012 U	0.00012 U	0.00012 U	0.0043
Methyl tert butyl ether	0.93	500	0.63	0.00013 U	0.00009 U	0.0001 U	0.0001 U	0.0001 U	0.00014 U
Methylene chloride	0.05	500	0.25 U	0.0016 U	0.0012 U	0.0013 U	0.0012 U	0.0013 U	0.0018 U
Naphthalene	12	500	24	0.00021 U	0.037	0.0022 J	0.00016 U	0.0088	0.01
n-Butylbenzene	12	500	6.2	0.00017 U	0.0046	0.00014 U	0.00013 U	0.00013 U	0.00019 U
n-Propylbenzene	3.9	500	23	0.00016 U	0.008	0.00013 U	0.00012 U	0.00013 U	0.0081
o-Chlorotoluene	NS	NS	0.036 U	0.00024 U	0.00017 U	0.00019 U	0.00018 U	0.00019 U	0.00026 U
o-Xylene	0.26	500	48	0.00026 U	0.052	0.0002 U	0.0034	0.0002 U	0.079
p/m-Xylene	0.26	500	420	0.0003 U	0.035	0.00023 U	0.0023	0.00023 U	0.074
p-Chlorotoluene	NS	NS	0.03 U	0.0002 U	0.00014 U	0.00016 U	0.00015 U	0.00016 U	0.00022 U
p-Diethylbenzene	NS	NS	58	0.0026 J	0.14	0.00019 U	0.00018 U	0.00019 U	0.22
p-Ethyltoluene	NS	NS	240	0.00075 J	0.14	0.00034 J	0.00014 U	0.00014 U	0.13
p-Isopropyltoluene	NS	NS	1.6	0.00019 U	0.0035	0.00015 U	0.00014 U	0.00015 U	0.0055
sec-Butylbenzene	11	500	2.2	0.00018 U	0.0016	0.00014 U	0.00014 U	0.00014 U	0.0021
Styrene	NS	NS	0.17 J	0.0006 U	0.00044 U	0.00048 U	0.00046 U	0.00047 U	0.00066 U
tert-Butylbenzene	5.9	500	0.031 U	0.0002 U	0.00015 U	0.00016 U	0.00015 U	0.00016 U	0.00022 U
Tetrachloroethene	1.3	150	0.032 U	0.00021 U	0.00015 U	0.00017 U	0.00016 U	0.00016 U	0.14
Toluene	0.7	500	14	0.00029 U	0.0013 J	0.00023 U	0.00022 U	0.00023 U	0.09
trans-1,2-Dichloroethene	0.19	500	0.048 U	0.00032 U	0.00023 U	0.00025 U	0.00024 U	0.00025 U	0.00035 U
trans-1,3-Dichloropropene	NS	NS	0.028 U	0.00018 U	0.00013 U	0.00014 U	0.00014 U	0.00014 U	0.0002 U
trans-1,4-Dichloro-2-butene	NS	NS	0.09 U	0.00058 U	0.00043 U	0.00046 U	0.00045 U	0.00046 U	0.00064 U
Trichloroethene	0.47	200	0.029 U	0.00019 U	0.00014 U	0.00015 U	0.00014 U	0.00015 U	0.0002 U
Trichlorofluoromethane	NS	NS	0.089 U	0.00058 U	0.00042 U	0.00046 U	0.00044 U	0.00045 U	0.00064 U
Vinyl acetate	NS	NS	0.03 U	0.0002 U	0.00014 U	0.00016 U	0.00015 U	0.00015 U	0.00022 U
Vinyl chloride	0.02	13	0.027 U	0.00018 U	0.00013 U	0.00014 U	0.00013 U	0.00014 U	0.00019 U
Xylenes, Total	0.26	500	470	0.00026 U	0.087	0.0002 U	0.0057	0.0002 U	0.15

*** Dilution factor varies**

Table 2
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-1 (1'-3') L1510925-01 5/19/2015 1	SB-1 (10'-12') L1510925-02 5/19/2015 1	SB-2 (2'-4') L1510925-03 5/19/2015 1	SB-2 (10'-12') L1510925-04 5/19/2015 1	SB-3 (1'-3') L1510925-05 5/19/2015 1	SB-3 (9'-11') L1510925-06 5/19/2015 1
1,2,4,5-Tetrachlorobenzene	NS	NS	0.055 U	0.062 U	0.062 U	0.11 U	0.058 U	0.06 U
1,2,4-Trichlorobenzene	NS	NS	0.058 U	0.066 U	0.066 U	0.12 U	0.062 U	0.064 U
1,2-Dichlorobenzene	1.1	500	0.058 U	0.066 U	0.066 U	0.12 U	0.062 U	0.064 U
1,3-Dichlorobenzene	2.4	280	0.056 U	0.063 U	0.063 U	0.11 U	0.059 U	0.061 U
1,4-Dichlorobenzene	1.8	130	0.054 U	0.061 U	0.061 U	0.11 U	0.057 U	0.059 U
2,4,5-Trichlorophenol	NS	NS	0.058 U	0.065 U	0.065 U	0.12 U	0.061 U	0.063 U
2,4,6-Trichlorophenol	NS	NS	0.034 U	0.038 U	0.038 U	0.068 U	0.035 U	0.037 U
2,4-Dichlorophenol	NS	NS	0.058 U	0.065 U	0.065 U	0.12 U	0.061 U	0.063 U
2,4-Dimethylphenol	NS	NS	0.053 U	0.06 U	0.06 U	0.11 U	0.056 U	0.058 U
2,4-Dinitrophenol	NS	NS	0.24 U	0.27 U	0.28 U	0.49 U	0.26 U	0.27 U
2,4-Dinitrotoluene	NS	NS	0.038 U	0.043 U	0.043 U	0.077 U	0.04 U	0.042 U
2,6-Dinitrotoluene	NS	NS	0.046 U	0.051 U	0.052 U	0.092 U	0.048 U	0.05 U
2-Chloronaphthalene	NS	NS	0.058 U	0.065 U	0.066 U	0.12 U	0.061 U	0.063 U
2-Chlorophenol	NS	NS	0.054 U	0.06 U	0.061 U	0.11 U	0.057 U	0.059 U
2-Methylnaphthalene	NS	NS	0.058 J	0.064 U	1.8	0.11 U	0.06 U	0.062 U
2-Methylphenol	0.33	500	0.057 U	0.064 U	0.065 U	0.12 U	0.06 U	0.063 U
2-Nitroaniline	NS	NS	0.05 U	0.056 U	0.057 U	0.1 U	0.053 U	0.055 U
2-Nitrophenol	NS	NS	0.055 U	0.062 U	0.063 U	0.11 U	0.059 U	0.061 U
3,3'-Dichlorobenzidine	NS	NS	0.047 U	0.053 U	0.054 U	0.095 U	0.05 U	0.052 U
3-Methylphenol/4-Methylphenol	0.33	500	0.058 U	0.066 U	0.12 J	**0.52**	0.062 U	0.064 U
3-Nitroaniline	NS	NS	0.049 U	0.055 U	0.056 U	0.099 U	0.052 U	0.054 U
4,6-Dinitro-o-cresol	NS	NS	0.065 U	0.073 U	0.074 U	0.13 U	0.069 U	0.071 U
4-Bromophenyl phenyl ether	NS	NS	0.041 U	0.046 U	0.046 U	0.082 U	0.043 U	0.045 U
4-Chloroaniline	NS	NS	0.047 U	0.053 U	0.053 U	0.094 U	0.05 U	0.051 U
4-Chlorophenyl phenyl ether	NS	NS	0.054 U	0.061 U	0.061 U	0.11 U	0.057 U	0.059 U
4-Nitroaniline	NS	NS	0.048 U	0.054 U	0.054 U	0.097 U	0.051 U	0.052 U
4-Nitrophenol	NS	NS	0.058 U	0.065 U	0.065 U	0.12 U	0.061 U	0.063 U
Acenaphthene	20	500	0.037 U	0.041 U	0.17	0.14 J	0.039 U	0.04 U
Acenaphthylene	100	500	0.033 U	0.037 U	0.038 U	0.15 J	0.035 U	0.036 U
Acetophenone	NS	NS	0.055 U	0.062 U	0.062 U	0.11 U	0.058 U	0.06 U
Anthracene	100	500	0.089 J	0.27	0.39	0.42	0.038 J	0.032 U
Benzo(a)anthracene	1	5.6	0.35	0.62	**2.2**	**1.8**	0.12	0.055 J
Benzo(a)pyrene	1	1	0.39	0.49	**2.6**	**1.8**	0.12 J	0.056 J
Benzo(b)fluoranthene	1	5.6	0.52	0.56	**3.6**	**2**	0.15	0.066 J
Benzo(ghi)perylene	100	500	0.28	0.24	0.042 U	1.1	0.077 J	0.04 U
Benzo(k)fluoranthene	0.8	56	0.18	0.24	**1.2**	0.78	0.053 J	0.037 U
Benzoic Acid	NS	NS	0.18 U	0.2 U	0.2 U	0.36 U	0.19 U	0.2 U
Benzyl Alcohol	NS	NS	0.055 U	0.062 U	0.062 U	0.11 U	0.058 U	0.06 U
Biphenyl	NS	NS	0.059 U	0.066 U	0.066 U	0.12 U	0.062 U	0.064 U
Bis(2-chloroethoxy)methane	NS	NS	0.054 U	0.061 U	0.061 U	0.11 U	0.057 U	0.059 U
Bis(2-chloroethyl)ether	NS	NS	0.05 U	0.056 U	0.056 U	0.1 U	0.053 U	0.054 U
Bis(2-chloroisopropyl)ether	NS	NS	0.062 U	0.07 U	0.071 U	0.12 U	0.066 U	0.068 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.96	0.052 U	6.4	0.094 U	0.049 U	0.051 U
Butyl benzyl phthalate	NS	NS	0.035 U	0.039 U	0.039 U	0.07 U	0.037 U	0.038 U
Carbazole	NS	NS	0.038 U	0.059 J	0.23	0.077 U	0.04 U	0.042 U
Chrysene	1	56	0.39	0.56	**2.4**	**1.8**	0.13	0.054 J
Dibenzo(a,h)anthracene	0.33	0.56	0.07 J	0.067 J	0.32	0.24	0.036 U	0.038 U
Dibenzofuran	7	350	0.059 U	0.067 U	0.089 J	0.13 J	0.063 U	0.065 U
Diethyl phthalate	NS	NS	0.038 U	0.042 U	0.042 U	0.076 U	0.04 U	0.041 U
Dimethyl phthalate	NS	NS	0.045 U	0.051 U	0.051 U	0.091 U	0.048 U	0.049 U
Di-n-butylphthalate	NS	NS	0.034 U	0.039 U	0.039 U	0.069 U	0.036 U	0.038 U
Di-n-octylphthalate	NS	NS	0.044 U	0.049 U	0.049 U	0.088 U	0.046 U	0.048 U
Fluoranthene	100	500	0.68	1.3	5.5	2.9	0.22	0.092 J
Fluorene	30	500	0.051 U	0.057 U	0.27	0.18 J	0.054 U	0.056 U
Hexachlorobenzene	0.33	6	0.033 U	0.037 U	0.038 U	0.067 U	0.035 U	0.036 U
Hexachlorobutadiene	NS	NS	0.05 U	0.056 U	0.057 U	0.1 U	0.053 U	0.055 U
Hexachlorocyclopentadiene	NS	NS	0.11 U	0.13 U	0.13 U	0.23 U	0.12 U	0.12 U
Hexachloroethane	NS	NS	0.032 U	0.036 U	0.036 U	0.065 U	0.034 U	0.035 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	0.27	0.27	**1.7**	**1.1**	0.074 J	0.043 U
Isophorone	NS	NS	0.047 U	0.053 U	0.054 U	0.095 U	0.05 U	0.052 U
Naphthalene	12	500	0.078 J	0.066 U	1.1	0.28 J	0.062 U	0.064 U
Nitrobenzene	NS	NS	0.042 U	0.048 U	0.048 U	0.085 U	0.045 U	0.046 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.037 U	0.042 U	0.042 U	0.075 U	0.039 U	0.041 U
n-Nitrosodi-n-propylamine	NS	NS	0.053 U	0.06 U	0.06 U	0.11 U	0.056 U	0.058 U
P-Chloro-M-Cresol	NS	NS	0.052 U	0.058 U	0.058 U	0.1 U	0.054 U	0.056 U
Pentachlorophenol	0.8	6.7	0.038 U	0.043 U	0.043 U	0.076 U	0.04 U	0.042 U
Phenanthrene	100	500	0.36	1	1.6	1.8	0.15	0.042 J
Phenol	0.33	500	0.053 U	0.059 U	0.06 U	0.1 U	0.056 U	0.058 U
Pyrene	100	500	0.7	1.1	6.5	3.2	0.2	0.086 J

***Dilution factor varies**

Table 2
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Semivolatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-4 (2'-4')	SB-4 (7'-9')	SB-5 (0.5'-2.5')	SB-5 (8'-10')	SB-6 (1'-3')	SB-6 (8'-10')	DW-4-SED
Lab Sample ID	Part 375	Part 375	L1510925-07	L1510925-08	L1511058-04	L1511058-05	L1511058-06	L1511058-07	L1511058-08
Date Sampled	Unrestricted	Commercial	5/19/2015	5/19/2015	5/20/2015	5/20/2015	5/20/2015	5/20/2015	5/20/2015
Dilution	SCO	SCO	1	1	2/10*	2	2	1	8
mg/kg	mg/kg	mg/kg							
1,2,4,5-Tetrachlorobenzene	NS	NS	0.059 U	0.075 U	0.11 U	0.12 U	0.12 U	0.059 U	0.67 U
1,2,4-Trichlorobenzene	NS	NS	0.062 U	0.079 U	0.12 U	0.13 U	0.12 U	0.062 U	0.71 U
1,2-Dichlorobenzene	1.1	500	0.062 U	0.08 U	0.12 U	0.13 U	0.12 U	0.062 U	0.71 U
1,3-Dichlorobenzene	2.4	280	0.06 U	0.076 U	0.11 U	0.12 U	0.12 U	0.06 U	0.68 U
1,4-Dichlorobenzene	1.8	130	0.058 U	0.074 U	0.11 U	0.12 U	0.11 U	0.058 U	0.66 U
2,4,5-Trichlorophenol	NS	NS	0.061 U	0.078 U	0.12 U	0.12 U	0.12 U	0.062 U	0.7 U
2,4,6-Trichlorophenol	NS	NS	0.036 U	0.046 U	0.067 U	0.073 U	0.071 U	0.036 U	0.41 U
2,4-Dichlorophenol	NS	NS	0.061 U	0.078 U	0.12 U	0.12 U	0.12 U	0.062 U	0.7 U
2,4-Dimethylphenol	NS	NS	0.056 U	0.072 U	0.1 U	0.11 U	0.11 U	0.057 U	0.65 U
2,4-Dinitrophenol	NS	NS	0.26 U	0.33 U	0.49 U	0.53 U	0.51 U	0.26 U	3 U
2,4-Dinitrotoluene	NS	NS	0.041 U	0.052 U	0.077 U	0.083 U	0.081 U	0.041 U	0.47 U
2,6-Dinitrotoluene	NS	NS	0.048 U	0.062 U	0.091 U	0.098 U	0.096 U	0.049 U	0.56 U
2-Chloronaphthalene	NS	NS	0.062 U	0.079 U	0.12 U	0.12 U	0.12 U	0.062 U	0.71 U
2-Chlorophenol	NS	NS	0.057 U	0.073 U	0.11 U	0.12 U	0.11 U	0.057 U	0.66 U
2-Methylnaphthalene	NS	NS	4	0.077 U	0.33 J	0.25 J	0.12 U	0.2 J	3
2-Methylphenol	0.33	500	0.061 U	0.078 U	0.11 U	0.12 U	0.12 U	0.061 U	0.7 U
2-Nitroaniline	NS	NS	0.053 U	0.068 U	0.1 U	0.11 U	0.1 U	0.054 U	0.61 U
2-Nitrophenol	NS	NS	0.059 U	0.076 U	0.11 U	0.12 U	0.12 U	0.059 U	0.68 U
3,3'-Dichlorobenzidine	NS	NS	0.05 U	0.064 U	0.094 U	0.1 U	0.1 U	0.05 U	0.58 U
3-Methylphenol/4-Methylphenol	0.33	500	0.062 U	0.079 U	0.12 U	0.13 U	0.12 U	0.062 U	0.71 U
3-Nitroaniline	NS	NS	0.052 U	0.067 U	0.098 U	0.11 U	0.1 U	0.052 U	0.6 U
4,6-Dinitro-o-cresol	NS	NS	0.069 U	0.089 U	0.13 U	0.14 U	0.14 U	0.07 U	0.8 U
4-Bromophenyl phenyl ether	NS	NS	0.044 U	0.056 U	0.082 U	0.088 U	0.086 U	0.044 U	0.5 U
4-Chloroaniline	NS	NS	0.05 U	0.064 U	0.094 U	0.1 U	0.099 U	0.05 U	0.57 U
4-Chlorophenyl phenyl ether	NS	NS	0.058 U	0.074 U	0.11 U	0.12 U	0.11 U	0.058 U	0.66 U
4-Nitroaniline	NS	NS	0.051 U	0.065 U	0.096 U	0.1 U	0.1 U	0.051 U	0.59 U
4-Nitrophenol	NS	NS	0.061 U	0.078 U	0.12 U	0.12 U	0.12 U	0.062 U	0.7 U
Acenaphthene	20	500	0.42	0.05 U	0.092 J	0.42	0.077 U	0.65	0.45 U
Acenaphthylene	100	500	0.035 U	0.045 U	0.066 U	0.2 J	0.082 J	0.13 J	0.41 U
Acetophenone	NS	NS	0.059 U	0.075 U	0.11 U	0.12 U	0.12 U	0.059 U	0.67 U
Anthracene	100	500	0.74	0.052 J	0.24	1	0.12 J	1.8	0.37 J
Benzo(a)anthracene	1	5.6	**1.8**	0.13 J	0.8	**2.1**	0.28	**3**	0.56 J
Benzo(a)pyrene	1	1	**1.7**	0.12 J	0.92	**1.9**	0.41	**2.6**	0.53 U
Benzo(b)fluoranthene	1	5.6	**2.3**	0.15	**1.3**	**2.6**	0.62	**3.2**	0.44 U
Benzo(ghi)perylene	100	500	1	0.086 J	0.66	1.2	0.53	1.4	0.45 U
Benzo(k)fluoranthene	0.8	56	**0.92**	0.071 J	0.5	**0.92**	0.19 J	**1.3**	0.41 U
Benzoic Acid	NS	NS	0.19 U	0.24 U	0.36 U	0.39 U	0.38 U	0.19 U	2.2 U
Benzyl Alcohol	NS	NS	0.058 U	0.075 U	0.11 U	0.12 U	0.12 U	0.058 U	0.67 U
Biphenyl	NS	NS	0.062 U	0.08 U	0.12 U	0.13 U	0.12 U	0.063 U	0.72 U
Bis(2-chloroethoxy)methane	NS	NS	0.057 U	0.073 U	0.11 U	0.12 U	0.11 U	0.058 U	0.66 U
Bis(2-chloroethyl)ether	NS	NS	0.053 U	0.068 U	0.1 U	0.11 U	0.1 U	0.053 U	0.61 U
Bis(2-chloroisopropyl)ether	NS	NS	0.067 U	0.085 U	0.12 U	0.14 U	0.13 U	0.067 U	0.76 U
Bis(2-Ethylhexyl)phthalate	NS	NS	6.5	0.063 U	1.5	0.1 U	6.2	0.05 U	58
Butyl benzyl phthalate	NS	NS	0.037 U	0.047 U	38	0.075 U	1.1	0.037 U	0.42 U
Carbazole	NS	NS	0.52	0.052 U	0.15 J	0.53	0.08 U	0.45	0.47 U
Chrysene	1	56	**1.8**	0.13 J	0.89	**2.3**	0.36	**2.9**	0.59 J
Dibenzo(a,h)anthracene	0.33	0.56	0.24	0.047 U	0.14 J	0.3	0.094 J	**0.37**	0.42 U
Dibenzofuran	7	350	0.26	0.081 U	0.12 U	0.42	0.12 U	0.38	0.72 U
Diethyl phthalate	NS	NS	0.04 U	0.051 U	0.075 U	0.081 U	0.079 U	0.04 U	0.46 U
Dimethyl phthalate	NS	NS	0.048 U	0.062 U	0.09 U	0.098 U	0.095 U	0.048 U	0.65 J
Di-n-butylphthalate	NS	NS	0.036 U	0.047 U	0.069 U	0.074 U	0.084 J	0.037 U	0.42 U
Di-n-octylphthalate	NS	NS	0.046 U	0.06 U	0.087 U	0.095 U	0.092 U	0.047 U	0.53 U
Fluoranthene	100	500	5.1	0.26	1.7	5.4	0.45	7	1 J
Fluorene	30	500	0.51	0.069 U	0.11 J	0.63	0.11 U	0.76	0.62 U
Hexachlorobenzene	0.33	6	0.035 U	0.045 U	0.066 U	0.072 U	0.07 U	0.035 U	0.4 U
Hexachlorobutadiene	NS	NS	0.053 U	0.068 U	0.1 U	0.11 U	0.1 U	0.054 U	0.61 U
Hexachlorocyclopentadiene	NS	NS	0.12 U	0.16 U	0.23 U	0.25 U	0.24 U	0.12 U	1.4 U
Hexachloroethane	NS	NS	0.034 U	0.044 U	0.065 U	0.07 U	0.068 U	0.034 U	0.4 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	**1.1**	0.08 J	**0.69**	**1.3**	0.47	**1.6**	0.48 U
Isophorone	NS	NS	0.05 U	0.064 U	0.094 U	0.1 U	0.1 U	0.05 U	0.58 U
Naphthalene	12	500	3.9	0.08 U	0.17 J	0.52	0.12 U	0.2	1.6 J
Nitrobenzene	NS	NS	0.045 U	0.058 U	0.085 U	0.092 U	0.089 U	0.045 U	0.52 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	0.04 U	0.051 U	0.075 U	0.081 U	0.079 U	0.04 U	0.46 U
n-Nitrosodi-n-propylamine	NS	NS	0.056 U	0.072 U	0.1 U	0.11 U	0.11 U	0.057 U	0.65 U
P-Chloro-M-Cresol	NS	NS	0.055 U	0.07 U	0.1 U	0.11 U	0.11 U	0.055 U	0.63 U
Pentachlorophenol	0.8	6.7	0.04 U	0.052 U	0.076 U	0.082 U	0.08 U	0.041 U	0.46 U
Phenanthrene	100	500	3.7	0.22	0.8	5.4	0.21 J	6.5	0.77 J
Phenol	0.33	500	0.056 U	0.072 U	0.1 U	0.11 U	0.11 U	0.056 U	0.64 U
Pyrene	100	500	4.5	0.22	1.4	4.5	0.46	5.9	2.7

***Dilution factor varies**

Table 3
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-1 (1'-3') L1510925-01 5/19/2015 1	SB-1 (10'-12') L1510925-02 5/19/2015 1	SB-2 (2'-4') L1510925-03 5/19/2015 1	SB-2 (10'-12') L1510925-04 5/19/2015 1	SB-3 (1'-3') L1510925-05 5/19/2015 1	SB-3 (9'-11') L1510925-06 5/19/2015 1
Arsenic	**13**	**16**	0.66	0.84	0.14 J	2.5	2	1.3
Barium	**350**	**400**	8.8	22	92	63	69	87
Cadmium	**2.5**	**9.3**	0.06 J	0.09 J	1.3	0.08 J	0.03 U	0.03 U
Chromium	**30**	**1,500**	4.1	3.3	14	26	14	23
Lead	**63**	**1,000**	28	8.8	**280**	**69**	36	41
Mercury	**0.18**	**2.8**	0.11	0.02 U	**0.36**	**1.3**	**0.3**	0.16
Selenium	**3.9**	**1,500**	0.13 U	0.14 U	0.14 U	0.79 J	0.14 J	0.13 J
Silver	**2**	**1,500**	0.09 U	0.1 U	0.09 U	0.17 U	0.09 U	0.09 U

*** Dilution factor for Arsenic is 2**

Table 3
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-4 (2'-4') L1510925-07 5/19/2015 1	SB-4 (7'-9') L1510925-08 5/19/2015 1	SB-5 (0.5'-2.5') L1511058-04 5/20/2015 1	SB-5 (8'-10') L1511058-05 5/20/2015 1	SB-6 (1'-3') L1511058-06 5/20/2015 1	SB-6 (8'-10') L1511058-07 5/20/2015 1	DW-4-SED L1511058-08 5/20/2015 1/2*
Arsenic	**13**	**16**	1.6	1.4	8	2	**31**	3.8	2.4
Barium	**350**	**400**	88	25	55	8.7	81	**570**	150
Cadmium	**2.5**	**9.3**	0.06 J	0.04 U	0.33 J	0.06 J	1.3	0.15 J	1.5
Chromium	**30**	**1,500**	**84**	11	11	2.9	26	7.4	**140**
Lead	**63**	**1,000**	**89**	**82**	**83**	5.2	**670**	**96**	**120**
Mercury	**0.18**	**2.8**	0.18	**0.22**	**0.2**	0.12	**0.21**	0.04 J	0.08 J
Selenium	**3.9**	**1,500**	0.64 J	0.3 J	0.13 U	0.13 U	0.13 U	0.14 U	0.33 J
Silver	**2**	**1,500**	0.09 U	**2.7**	0.09 U	0.09 U	0.13 J	0.09 U	**2.2**

*** Dilution factor for Arsenic is 2**

Table 4
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Polychlorinated Biphenyls

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-1 (1'-3') L1510925-01 5/19/2015 1	SB-1 (10'-12') L1510925-02 5/19/2015 1	SB-2 (2'-4') L1510925-03 5/19/2015 1	SB-2 (10'-12') L1510925-04 5/19/2015 1	SB-3 (1'-3') L1510925-05 5/19/2015 1	SB-3 (9'-11') L1510925-06 5/19/2015 1
Aroclor 1016	**0.1**	**1**	0.0028 U	0.00316 U	0.00324 U	0.00564 U	0.003 U	0.00308 U
Aroclor 1221	**0.1**	**1**	0.00327 U	0.00369 U	0.00378 U	0.00659 U	0.0035 U	0.0036 U
Aroclor 1232	**0.1**	**1**	0.00416 U	0.00469 U	0.00481 U	0.00838 U	0.00444 U	0.00457 U
Aroclor 1242	**0.1**	**1**	0.012 J	0.0049 U	0.0136 J	0.00875 U	0.00464 U	0.00478 U
Aroclor 1248	**0.1**	**1**	0.003 U	0.00338 U	0.00346 U	0.00603 U	0.0032 U	0.00329 U
Aroclor 1254	**0.1**	**1**	0.0341 J	0.00329 U	0.0264 J	0.00587 U	0.00312 U	0.00321 U
Aroclor 1260	**0.1**	**1**	0.0232 J	0.00305 U	0.0294 J	0.00544 U	0.00289 U	0.00297 U
Aroclor 1262	**0.1**	**1**	0.00176 U	0.00198 U	0.00204 U	0.00354 U	0.00188 U	0.00194 U
Aroclor 1268	**0.1**	**1**	0.00515 U	0.0058 U	0.00595 U	0.0104 U	0.0055 U	0.00566 U
PCBs, Total	**0.1**	**1**	0.0693 J	0.00198 U	0.0694 J	0.00354 U	0.00188 U	0.00194 U

Table 4
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Soil and Sediment Analytical Results
Polychlorinated Biphenyls

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Commercial SCO mg/kg	SB-4 (2'-4') L1510925-07 5/19/2015 1	SB-4 (7'-9') L1510925-08 5/19/2015 1	SB-5 (0.5'-2.5') L1511058-04 5/20/2015 5	SB-5 (8'-10') L1511058-05 5/20/2015 1	SB-6 (1'-3') L1511058-06 5/20/2015 1	SB-6 (8'-10') L1511058-07 5/20/2015 1	DW-4-SED L1511058-08 5/20/2015 3
Aroclor 1016	**0.1**	**1**	0.00294 U	0.00391 U	0.0141 U	0.00307 U	0.00299 U	0.00301 U	0.0129 U
Aroclor 1221	**0.1**	**1**	0.00343 U	0.00456 U	0.0164 U	0.00358 U	0.00349 U	0.00351 U	0.015 U
Aroclor 1232	**0.1**	**1**	0.00436 U	0.0058 U	0.0209 U	0.00455 U	0.00444 U	0.00447 U	0.0191 U
Aroclor 1242	**0.1**	**1**	0.00456 U	0.00605 U	0.0218 U	0.00475 U	0.00463 U	0.00466 U	0.02 U
Aroclor 1248	**0.1**	**1**	0.00314 U	0.00417 U	0.015 U	0.00328 U	0.0032 U	0.00322 U	0.0138 U
Aroclor 1254	**0.1**	**1**	0.00306 U	0.00406 U	0.0937 J	0.00319 U	0.0445	0.00313 U	0.0134 U
Aroclor 1260	**0.1**	**1**	0.00284 U	0.00377 U	0.0136 U	0.00296 U	0.0667	0.0029 U	0.0124 U
Aroclor 1262	**0.1**	**1**	0.00185 U	0.00245 U	0.00885 U	0.00193 U	0.00188 U	0.00189 U	0.00808 U
Aroclor 1268	**0.1**	**1**	0.0054 U	0.00717 U	**0.618**	0.00563 U	0.0542	0.00553 U	0.0236 U
PCBs, Total	**0.1**	**1**	0.00185 U	0.00245 U	**0.712 J**	0.00193 U	**0.165**	0.00189 U	0.00808 U

Table 5
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L1511848-01 5/28/2015	MW-2 L1511848-02 5/28/2015	MW-3 L1511848-03 5/28/2015	DW-1 L1511058-01 5/20/2015	DW-2 L1511058-02 5/20/2015	TB-051915 L1510925-09 5/19/2015	TB-052015 L1511058-03 5/20/2015	TB-052815 L1511848-04 5/28/2015
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1,2,2-Tetrachloroethane	5	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,1-Dichloroethene	5	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,3-Trichloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4,5-Tetramethylbenzene	5	**5.5**	3.4	0.65 U	0.65 U	3.8	0.65 U	0.65 U	0.65 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2,4-Trimethylbenzene	5	2.5	**24**	0.7 U	1.1 J	**46**	0.7 U	0.7 U	0.7 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,2-Dichloroethene, Total	NS	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-Dichloropropane	1	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trimethylbenzene	5	1 J	**15**	0.7 U	0.7 U	**12**	0.7 U	0.7 U	0.7 U
1,3-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,3-Dichloropropene, Total	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
1,4-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dioxane	NS	41 U	41 U	41 U	41 U	41 U	41 U	41 U	41 U
2,2-Dichloropropane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	2.6 J	10	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	1.1 J	18	1 U	1 U	1 U
Acetone	50	1.5 U	3.1 J	1.5 U	6.7	**110**	1.5 U	1.5 U	1.5 U
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	1	0.68	**8.4**	0.16 U	0.39 J	0.59	0.16 U	0.16 U	0.16 U
Bromobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Bromoform	50	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Carbon disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloroform	7	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chloromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
cis-1,2-Dichloroethene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Dibromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Ethylbenzene	5	0.7 U	**19**	0.7 U	0.7 U	**12**	0.7 U	0.7 U	0.7 U
Hexachlorobutadiene	0.5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Isopropylbenzene	5	**5.2**	2.5	0.7 U	2.3 J	4.6	0.7 U	0.7 U	0.7 U
Methyl tert butyl ether	10	**13**	**15**	0.7 U	6	0.7 U	0.7 U	0.7 U	0.7 U
Methylene chloride	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Naphthalene	10	1.4 J	2.3 J	2.5	0.7 U	**13**	0.7 U	0.7 U	0.7 U
n-Butylbenzene	5	0.7 U	0.87 J	0.7 U	0.7 U	1.6 J	0.7 U	0.7 U	0.7 U
n-Propylbenzene	5	0.7 U	2.4 J	0.7 U	0.7 U	4.9	0.7 U	0.7 U	0.7 U
o-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
o-Xylene	5	1.8 J	**6.2**	0.7 U	1.1 J	**26**	0.7 U	0.7 U	0.7 U
p/m-Xylene	5	3.6	**81**	0.7 U	1.9 J	**53**	0.7 U	0.7 U	0.7 U
p-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
p-Diethylbenzene	NS	0.7 U	0.7 U	0.7 U	0.7 U	10	0.7 U	0.7 U	0.7 U
p-Ethyltoluene	NS	1.7 J	24	0.7 U	0.7 U	30	0.7 U	0.7 U	0.7 U
p-Isopropyltoluene	5	0.7 U	0.7 U	0.7 U	0.7 U	1.4 J	0.7 U	0.7 U	0.7 U
sec-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Styrene	5	0.7 U	0.7 U	0.7 U	0.7 U	**7.3**	0.7 U	0.7 U	0.7 U
tert-Butylbenzene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Tetrachloroethene	5	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Toluene	5	2.1 J	2.9	0.7 U	0.76 J	**16**	0.7 U	0.7 U	0.7 U
trans-1,2-Dichloroethene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
trans-1,3-Dichloropropene	0.4	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,4-Dichloro-2-butene	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Trichloroethene	5	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Trichlorofluoromethane	5	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Vinyl acetate	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
Xylenes, Total	5	**5.4** J	**87**	0.7 U	3 J	**79**	0.7 U	0.7 U	0.7 U

Table 6
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Groundwater Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L1511848-01 5/28/2015 1	MW-2 L1511848-02 5/28/2015 1	MW-3 L1511848-03 5/28/2015 1	DW-1 L1511058-01 5/20/2015 5/10*	DW-2 L1511058-02 5/20/2015 5/40*
1,2,4,5-Tetrachlorobenzene	5	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U
1,2,4-Trichlorobenzene	5	0.21 U	0.21 U	0.21 U	1 U	1 U
1,2-Dichlorobenzene	3	0.3 U	0.3 U	0.3 U	1.5 U	1.5 U
1,3-Dichlorobenzene	3	0.35 U	0.35 U	0.35 U	1.8 U	1.7 U
1,4-Dichlorobenzene	3	0.32 U	0.32 U	0.32 U	1.6 U	1.6 U
2,4,5-Trichlorophenol	NS	0.75 U	0.75 U	0.75 U	3.7 U	3.7 U
2,4,6-Trichlorophenol	NS	0.78 U	0.78 U	0.78 U	3.9 U	3.8 U
2,4-Dichlorophenol	5	0.56 U	0.56 U	0.56 U	2.8 U	2.8 U
2,4-Dimethylphenol	50	0.58 U	0.58 U	0.58 U	2.9 U	2.8 U
2,4-Dinitrophenol	10	1.4 U	1.4 U	1.4 U	7 U	7 U
2,4-Dinitrotoluene	5	1 U	1 U	1 U	5.2 U	5.2 U
2,6-Dinitrotoluene	5	0.89 U	0.89 U	0.89 U	4.4 U	4.4 U
2-Chloronaphthalene	10	0.07 U	0.07 U	0.07 U	0.66 U	2.6 U
2-Chlorophenol	NS	0.58 U	0.58 U	0.58 U	2.9 U	2.9 U
2-Methylnaphthalene	NS	1	0.08 J	0.09 J	0.99 J	280
2-Methylphenol	NS	0.7 U	0.7 U	0.7 U	3.5 U	3.5 U
2-Nitroaniline	5	0.96 U	0.96 U	0.96 U	4.8 U	4.7 U
2-Nitrophenol	NS	1 U	1 U	1 U	5.2 U	5.2 U
3,3'-Dichlorobenzidine	5	0.48 U	0.48 U	0.48 U	2.4 U	2.4 U
3-Methylphenol/4-Methylphenol	NS	0.72 U	0.72 U	0.72 U	3.6 U	17 J
3-Nitroaniline	5	0.67 U	0.67 U	0.67 U	3.3 U	3.3 U
4,6-Dinitro-o-cresol	NS	1.4 U	1.4 U	1.4 U	6.8 U	6.7 U
4-Bromophenyl phenyl ether	NS	0.43 U	0.43 U	0.43 U	2.1 U	2.1 U
4-Chloroaniline	5	0.84 U	0.84 U	0.84 U	4.2 U	4.1 U
4-Chlorophenyl phenyl ether	NS	0.36 U	0.36 U	0.36 U	1.8 U	1.8 U
4-Nitroaniline	5	0.83 U	0.83 U	0.83 U	4.2 U	4.1 U
4-Nitrophenol	NS	1.1 U	1.1 U	1.1 U	5.4 U	5.4 U
Acenaphthene	20	0.06 U	0.06 U	0.36	0.64 U	2.5 U
Acenaphthylene	NS	0.05 U	0.05 U	0.05 U	0.5 U	2 U
Acetophenone	NS	0.43 U	0.43 U	0.43 U	2.1 U	2.1 U
Anthracene	50	0.1 J	0.06 U	0.19 J	0.63 U	4.1 J
Benzo(a)anthracene	0.002	0.06 U	0.06 U	**0.08 J**	0.57 U	2.2 U
Benzo(a)pyrene	ND	0.07 U	0.07 U	**0.11 J**	0.69 U	2.7 U
Benzo(b)fluoranthene	0.002	0.07 U	0.07 U	**0.1 J**	0.71 U	2.8 U
Benzo(ghi)perylene	NS	0.07 U	0.07 U	0.07 U	0.7 U	2.8 U
Benzo(k)fluoranthene	0.002	0.07 U	0.07 U	0.07 U	0.68 U	2.7 U
Benzoic Acid	NS	2.4 J	1 U	1 U	5 U	290
Benzyl Alcohol	NS	0.68 U	0.68 U	0.68 U	3.4 U	3.3 U
Biphenyl	5	0.24 U	0.24 U	0.24 U	1.2 U	2.7 J
Bis(2-chloroethoxy)methane	5	0.6 U	0.6 U	0.6 U	3 U	2.9 U
Bis(2-chloroethyl)ether	1	0.41 U	0.41 U	0.41 U	2 U	2 U
Bis(2-chloroisopropyl)ether	NS	0.6 U	0.6 U	0.6 U	3 U	3 U
Bis(2-Ethylhexyl)phthalate	5	0.93 U	0.93 U	0.93 U	**38**	**120**
Butyl benzyl phthalate	50	1.1 U	1.1 U	1.1 U	5.6 U	5.6 U
Carbazole	NS	0.37 U	0.37 U	0.42 J	1.9 U	1.8 U
Chrysene	0.002	0.05 U	0.05 U	**0.07 J**	**0.67 J**	1.9 U
Dibenzo(a,h)anthracene	NS	0.07 U	0.07 U	0.07 U	0.73 U	2.9 U
Dibenzofuran	NS	0.22 U	0.22 U	0.22 U	1.1 U	1.1 U
Diethyl phthalate	50	0.39 U	0.39 U	0.39 U	2 U	1.9 U
Dimethyl phthalate	50	0.33 U	0.33 U	0.33 U	1.7 U	1.6 U
Di-n-butylphthalate	50	0.77 U	0.77 U	0.77 U	3.8 U	3.8 U
Di-n-octylphthalate	50	1.2 U	1.2 U	1.2 U	6 U	5.9 U
Fluoranthene	50	0.1 J	0.04 U	0.27	1.1 J	5.8 J
Fluorene	50	0.06 U	0.06 U	0.32	0.57 U	2.2 U
Hexachlorobenzene	0.04	0.01 U	0.01 U	0.01 U	0.14 U	0.55 U
Hexachlorobutadiene	0.5	0.07 U	0.07 U	0.07 U	0.71 U	2.8 U
Hexachlorocyclopentadiene	5	0.58 U	0.58 U	0.58 U	2.9 U	2.9 U
Hexachloroethane	5	0.07 U	0.07 U	0.07 U	0.65 U	2.6 U
Indeno(1,2,3-cd)Pyrene	0.002	0.08 U	0.08 U	0.08 U	0.79 U	3.1 U
Isophorone	50	0.79 U	0.79 U	0.79 U	3.9 U	3.9 U
Naphthalene	10	0.76	0.06 U	0.06 U	0.64 U	**59**
Nitrobenzene	0.4	0.4 U	0.4 U	0.4 U	2 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	0.34 U	0.34 U	0.34 U	1.7 U	1.7 U
n-Nitrosodi-n-propylamine	NS	0.64 U	0.64 U	0.64 U	3.2 U	3.2 U
P-Chloro-M-Cresol	NS	0.54 U	0.54 U	0.54 U	2.7 U	2.7 U
Pentachlorophenol	NS	0.19 U	0.19 U	0.19 U	1.9 U	7.4 U
Phenanthrene	50	0.25	0.06 U	0.42	1.4 J	14
Phenol	NS	0.27 U	0.27 U	0.27 U	1.4 U	14 J
Pyrene	50	0.11 J	0.06 U	0.24	1.6 J	12

*** Dilution factor varies**

Table 7
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Groundwater Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution Total Metals - µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L1511848-01 5/28/2015 1/10†	MW-2 L1511848-02 5/28/2015 1	MW-3 L1511848-03 5/28/2015 1	DW-1 L1511058-01 5/20/2015 1/20*	DW-2 L1511058-02 5/20/2015 1/20*
Arsenic	**25**	3.4	1.1	1.1	**38.9**	**26.9**
Barium	**1,000**	**1,140**	116.6	42.9	994.6	881.7
Cadmium	**5**	0.1 J	0.1 U	0.3	**9**	**9.5**
Chromium	**50**	5.8	4.4	1.1 J	**248**	**258.6**
Lead	**25**	**28.4**	**35.5**	2.3	**641.4**	**996**
Mercury	**0.7**	0.08 J	0.06 U	0.06 U	0.31	**0.81**
Selenium	**10**	1 U	1 U	4 J	4 J	5
Silver	**50**	0.9 J	0.2 J	0.1 J	7.6	7.8

Dissolved Metals - µg/L	µg/L					
Arsenic	**25**	0.36 J	0.31 J	0.63	1.84	1.76
Barium	**1,000**	848.3	84.67	41.01	71.57	50.69
Cadmium	**5**	0.05 U	0.05 U	0.25	0.05 U	0.05 J
Chromium	**50**	0.77 J	1.21 J	3.51	0.92 J	13.71
Lead	**25**	0.12 U	0.19 J	0.16 J	0.59 J	4.17
Mercury	**0.7**	0.06 U	0.06 U	0.06 U	0.12 J	0.14 J
Selenium	**10**	1 U	1 U	4.15 J	1 U	1 J
Silver	**50**	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U

† Dilution factor for Barium (Total Metals) is 10

*** Dilution factor varies for total and dissolved**

Table 8
2647 Stillwell Avenue
Brooklyn, NY
Phase II Subsurface Investigation Groundwater Analytical Results
Polychlorinated Biphenyls

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L1511848-01 5/28/2015	MW-2 L1511848-02 5/28/2015	MW-3 L1511848-03 5/28/2015	DW-1 L1511058-01 5/20/2015	DW-2 L1511058-02 5/20/2015
Aroclor 1016	**0.09**	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U
Aroclor 1221	**0.09**	0.053 U	0.053 U	0.053 U	0.053 U	0.053 U
Aroclor 1232	**0.09**	0.031 U	0.031 U	0.031 U	0.031 U	0.031 U
Aroclor 1242	**0.09**	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Aroclor 1248	**0.09**	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
Aroclor 1254	**0.09**	0.034 U	0.034 U	0.034 U	0.034 U	0.034 U
Aroclor 1260	**0.09**	0.032 U	0.032 U	0.032 U	0.032 U	0.032 U
Aroclor 1262	**0.09**	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Aroclor 1268	**0.09**	0.038 U	0.038 U	0.038 U	0.038 U	0.038 U
PCBs, Total	**0.09**	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U

Tables 1-8
2647 Stillwell Avenue
Brooklyn, NY

Phase II Subsurface Investigation Soil, Sediment, and Groundwater Analytical Results

Notes

GENERAL

NS : No soil cleanup objective or groundwater quality standard listed.

ND : Not Detected

U : The analyte was not detected above the indicated reporting limit.

J : The reported concentration is an estimated value.

SOIL

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

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

Exceedences for Part 375 Unrestricted SCOs are highlighted in bold font.
Exceedences for Part 375 Commercial SCOs are shaded in gray.

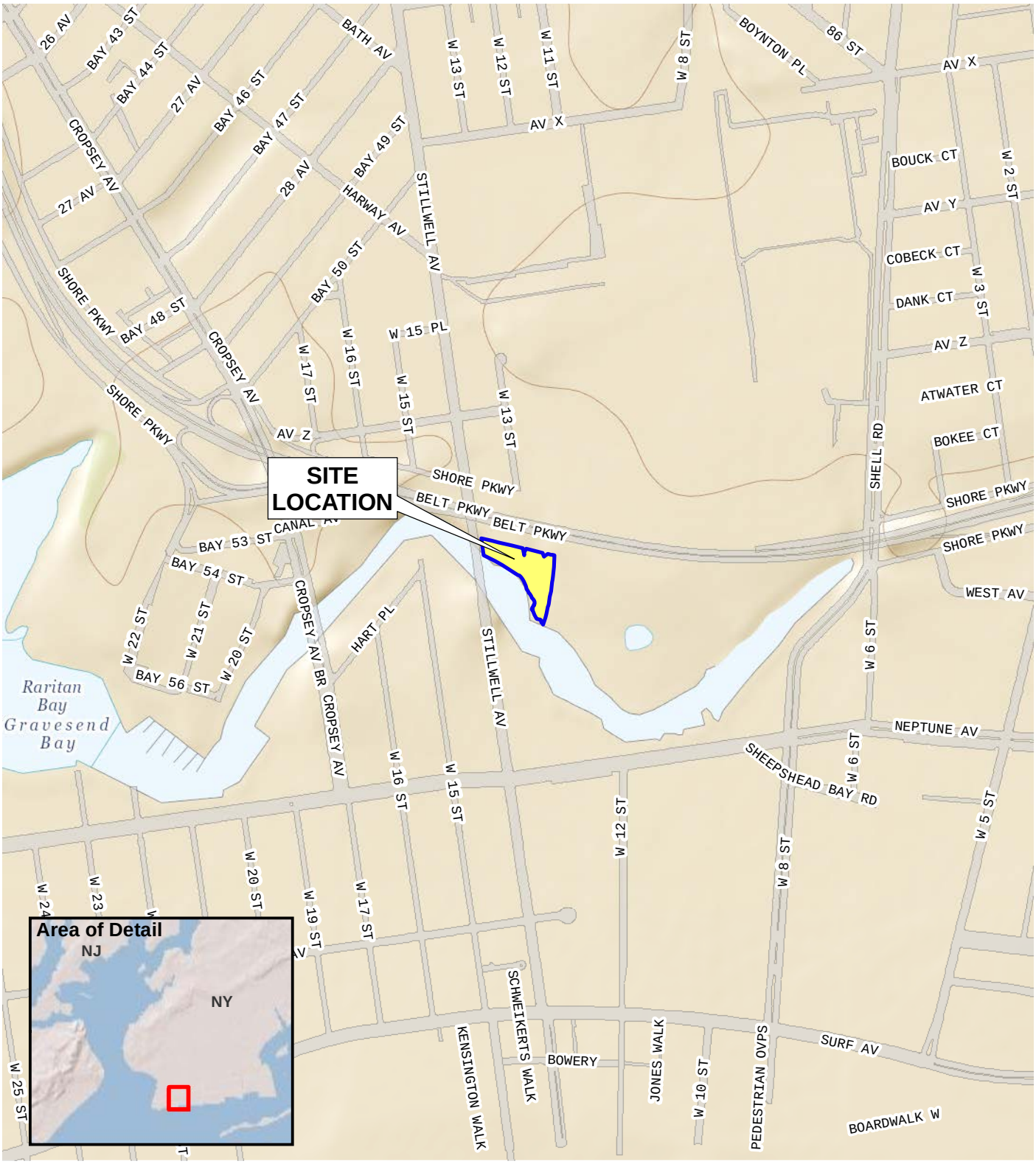
GROUNDWATER

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

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

Exceedences of the NYSDEC Class GA Ambient Standard are highlighted in bold font.

FIGURES



SOURCE
USGS 7.5 Minute Topographic Map
Coney Island Quad 2011

0 1,000 2,000 Feet

2647 Stillwell Avenue
Brooklyn, New York

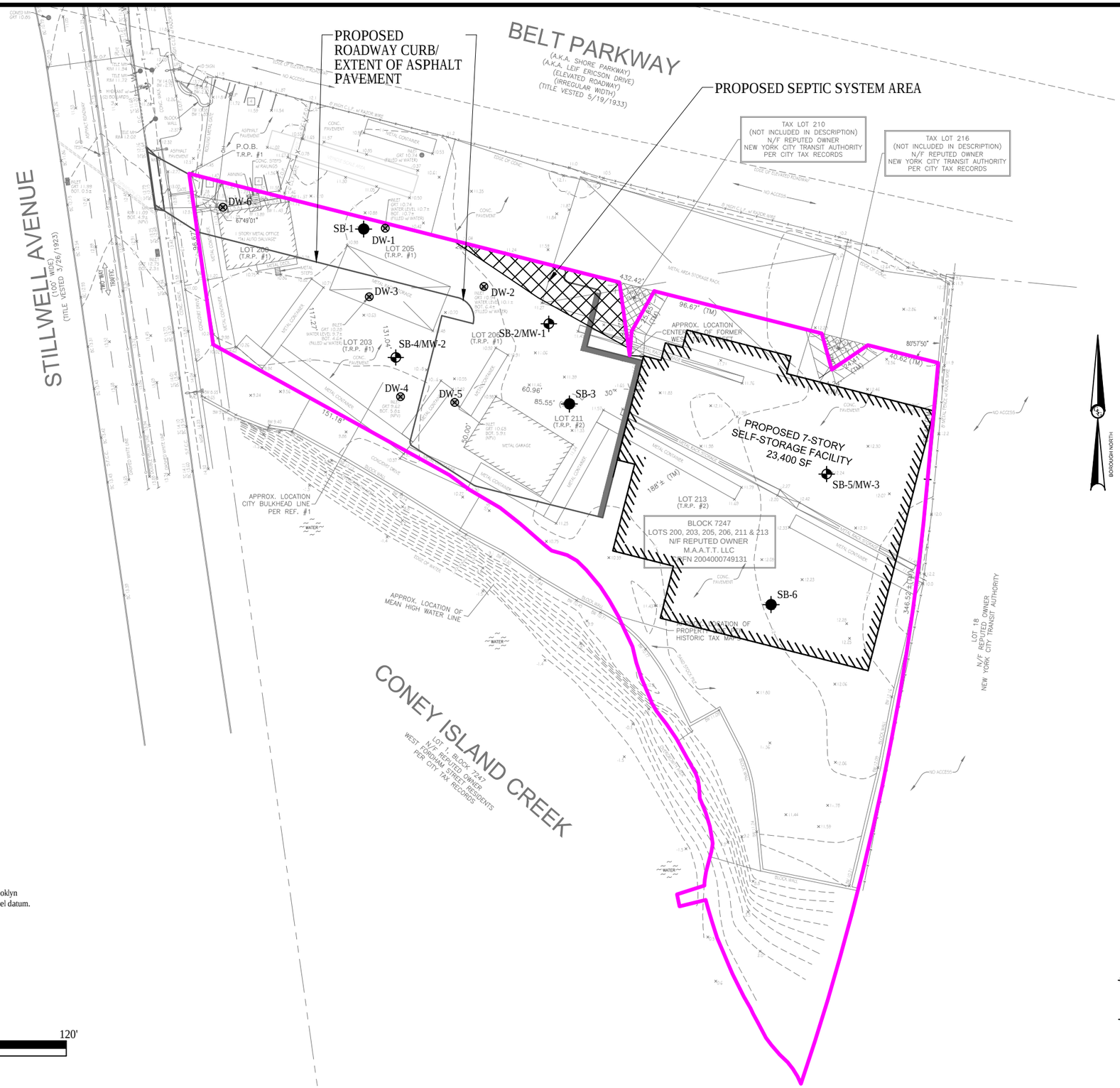
SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
6/2/2015

PROJECT No.
12103

FIGURE
1



Survey Source

1. Elevations are based upon Borough of Brooklyn datum, which is 2.56 feet above mean sea level datum.

2. Elevations and locations surveyed by:
MONTROSE Surveying Co., LLP.
File No. G14242
01-05-2015

0' 30' 60' 120'

SCALE IN FEET

LEGEND:

- PROPERTY BOUNDARY
- SB-6 — SOIL BORING
- SB-5/MW-3 — SOIL BORING/MONITORING WELL
- DW-3 — DRYWELL/STORMWATER INLET

AKRF
Environmental Consultants
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

SITE AND SAMPLE LOCATION PLAN

DATE
6.17.2015

PROJECT NO.
12103

SCALE
as shown

FIGURE
2

APPENDIX A

PHOTOGRAPHIC LOG

Photograph 1. Geoprobe drilling at soil boring SB-1.

Photograph 2. Geoprobe drilling at SB-2/MW-1.

Photograph 3. Well development activities at groundwater monitoring well MW-3.

Photograph 4. Drywell inspection at DW-5.

APPENDIX B

SOIL BORING LOGS

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-1**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling
Start Time: 9:25
Finish Time: 10:02
Date 5/19/2015 5/19/2015
Weather: 70 °F, Overcast/Rain

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (6")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	56"	Top 6": CONCRETE.	ND	Dry	ND	ND	
2		Next 14": Dark gray fine SAND, SILT, and fine GRAVEL, some Linoleum Tile, Asphalt, Metal (FILL).	ND	Dry	ND	ND	SB-1 (1'-3')
3		Next 8": CONCRETE fragments (FILL). Bottom 28": Gray fine SAND and SILT (FILL).	ND	Dry	7.5	ND	
4			ND	Dry	3.2	ND	
5			ND	Dry	ND	ND	
6	32"	Top 4": SLOUGH (CONCRETE).	ND	Dry	ND	ND	
7		Middle 6": Gray fine SAND, some SILT (FILL).	ND	Dry	ND	ND	
8			ND	Moist	ND	ND	
9		Bottom 22": Dark brown fine SAND and SILT, some Ash, trace Brick (FILL).	ND	Moist	ND	ND	
10			ND	Moist	ND	ND	
11	49"	Top 3": Dark brown fine SAND and SILT, some Ash, trace Brick (FILL).	ND	Moist	ND	ND	SB-1 (10'-12')
12		Middle 4": Dark brown SILT. Bottom 42": Brown fine SAND, some Silt.	ND	Wet	ND	ND	
13			ND	Wet	ND	ND	
14			ND	Wet	ND	ND	
15			ND	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 11.5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-2/MW-1**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling

Start Time	Finish Time
10:15	11:45
Date 5/19/2015	5/19/2015

Weather: 70 °F, Overcast/Rain

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (6")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	56"	Top 6": CONCRETE.	ND	Dry	ND	ND	
2		Bottom 50": Dark brown fine SAND, SILT, and fine GRAVEL, some Brick, Wood, Coal-Slag, Cloth, trace Asphalt (FILL).	Slight Creosole-Like (1-3)	Dry	12.2	ND	
3				Dry	92.6	ND	**SB-2 (2'-4')**
4			Slight Petroleum-Like (3-6)	Dry	302.8	ND	
5				Dry	65.2	ND	
6	44"	Top 4": Dark brown fine SAND, SILT and fine GRAVEL, some Brick, Wood, Coal-Slag, Cloth, trace Asphalt (FILL).	Slight Petroleum-Like	Dry	22.4	ND	
7		Middle 22": Brown fine SAND, SILT, and fine GRAVEL (FILL).	ND	Dry	12.2	ND	
8			ND	Dry	6.4	ND	
9		Bottom 18": Dark gray/black fine SAND and SILT. Trace fine Gravel, Brick, Ash, Slag (FILL).	ND	Dry	4.2	ND	
10							
11	38"	Top 12": Dark gray/black fine SAND and SILT, trace fine Gravel, Brick, Ash, Slag (FILL).	ND	Moist	2.1	ND	
12		Middle 6": Brown fibrous PEAT, some Clay, trace Silt.	ND	Wet	ND	ND	**SB-2 (10'-12')**
13			Organic	Wet	ND	ND	
14		Bottom 20": Gray fine SAND, trace Silt.	Organic	Wet	ND	ND	
15			Organic	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 11.5 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-3**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling
Start Time: 11:55
Finish Time: 12:15
Date 5/19/2015 5/19/2015
Weather: 70 °F, Overcast/Rain

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (4")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	58"	Top 4": CONCRETE.	ND	Dry	ND	ND	
		Next 4": ASPHALT (BITUMINOUS CONCRETE).					
2		Next 44": Brown fine SAND, SILT, and fine GRAVEL, trace Wood, Brick (FILL).	ND	Dry	ND	ND	SB-3 (1'-3')
		Bottom 6": BRICK, some brown fine Sand, Silt (FILL).					
3			ND	Dry	0.8	ND	
4			ND	Dry	0.4	ND	
5			ND	Dry	ND	ND	
6	30"	Top 12": BRICK, some brown fine Sand, Silt (FILL).	ND	Dry	ND	ND	
		Middle 10": Brown fine SAND, some Silt, trace Brick, Coal, Wood (FILL).					
7			ND	Dry	ND	ND	
8			ND	Dry	ND	ND	
9			ND	Dry	ND	ND	
		Bottom 8": Light brown fine SAND, some Silt.					SB-3 (9'-11')
10			ND	Dry	ND	ND	
11	32"	Light brown fine SAND, some Silt.	ND	Wet	ND	ND	
12			ND	Wet	ND	ND	
13			ND	Wet	ND	ND	
14			ND	Wet	ND	ND	
15			ND	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 11 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-4/MW-2**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling
Start Time: 12:45 **Finish Time:** 13:50
Date 5/19/2015 5/19/2015
Weather: 70 °F, Overcast/Rain

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (6")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	53"	Top 6": CONCRETE.	ND	Dry	ND	ND	
		Next 4": ASPHALT (BITUMINOUS CONCRETE).					
2		Next 40": Brown fine SAND, SILT, and fine GRAVEL, some Brick, Cloth, Glass, Ash, Coal-Slag (FILL).	ND	Dry	ND	ND	SB-4 (2'-4')
3			Petroleum -Like (2'-4')	Dry	70.2	ND	
4			Creosole-Like	Dry	511.2	ND	
5		Bottom 3": WOOD (FILL).		Dry	306	ND	
6	42"	Top 36": Brown fine SAND, SILT, and fine GRAVEL, some Brick, trace Wood, Slag (FILL).	ND	Dry	16.2	ND	
7			ND	Dry	12.1	ND	SB-4 (7'-9')
8			ND	Dry	18.2	ND	
9			ND	Moist	0.5	ND	
10		Bottom 6": Brown fibrous PEAT, trace Clay, Silt.	ND	Moist	ND	ND	
11	38"	Top 12": Brown fibrous PEAT, trace Clay, Silt.	Organic	Wet	ND	ND	
12			Organic	Wet	ND	ND	
13			Organic	Wet	ND	ND	
14		Bottom 26": Light brown/gray fine SAND, trace Silt.	Organic	Wet	ND	ND	
15			Organic	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 10 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-5/MW-3**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling
Start Time: 7:55 **Finish Time:** 8:26
Date 5/20/2015 5/20/2015
Weather: 66 °F, Clear

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (4")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	56"	Top 4": CONCRETE. Next 16": Brown fine SAND, SILT, and fine GRAVEL, trace Asphalt, Brick (FILL). Next 4": BF BRICK (FILL). Next 3": ASPHALT (FILL). Bottom 29": Dark brown fine SAND, SILT, fine GRAVEL, trace Glass, Coal, Brick (FILL).	ND	Dry	ND	ND	
2				Dry	558.2	ND	**SB-5 (0.5'-2.5')**
3			Petroleum-Like to 4.5'	Dry	59.6	ND	
4				Dry	17.1	ND	
5				Dry	30.1	ND	
6	22"	Dark brown fine SAND, SILT and fine GRAVEL, trace Glass, Coal, Brick (FILL).	ND	Dry	0.3	ND	
7			ND	Dry	0.2	ND	
8			ND	Dry	0.2	ND	
9			ND	Dry	0.2	ND	**SB-5 (8'-10')**
10			ND	Dry	0.2	ND	
11	30"	Top 4": Dark brown fine SAND and SILT, trace Brick (FILL). Bottom 26": Light brown/gray fine SAND, some Silt.	ND	Wet	ND	ND	
12			ND	Wet	ND	ND	
13			ND	Wet	ND	ND	
14			ND	Wet	ND	ND	
15			ND	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 10 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

SOIL BORING LOG

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number: 12103

Boring No. **SB-6**
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Geoprobe Model 7822 DT - Direct Push Probe
Sampling Method: 5-foot Macrocore
Driller : Eastern Environmental
Sampler: S. Grens

Drilling
Start Time: 8:30
Finish Time: 8:50
Date 5/20/2015 5/20/2015
Weather: 66 °F, Clear

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (4")	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	50"	Top 4": CONCRETE.	ND	Dry	ND	ND	
2		Middle 40": Brown fine SAND, SILT and fine GRAVEL, some Brick, wood, trace Asphalt (FILL),		Dry	58.6	ND	SB-6 (1'-3')
3			Slight Creosole-like odor	Dry	141.2	ND	
4				Dry	20.6	ND	
5		Bottom 6": WOOD (FILL).		Dry	5.2	ND	
6	30"	Top 30": Dark brown fine SAND and SILT, some fine Gravel, Glass, Ash, Brick, Coal (FILL).	ND	Dry	0.4	ND	
7			ND	Dry	ND	ND	
8			ND	Dry	ND	ND	
9			ND	Dry	ND	ND	SB-6 (8'-10')
10			ND	Dry	ND	ND	
11	40"	Top 2": BRICK (FILL).	ND	Wet	ND	ND	
12		Middle 3": Brown fine SAND, some Silt, fine Gravel. Bottom 35": Brown fine SAND, some Silt.	ND	Wet	ND	ND	
13			ND	Wet	ND	ND	
14			ND	Wet	ND	ND	
15			ND	Wet	ND	ND	
16		End of boring at 15 feet below grade.					
17							
18							
19							
20							

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), RCRA 8 metals, and PCBs (8082).
Groundwater encountered on soil in liner at approximately 10 feet below grade.
PID = photoionization detector ppm = parts per million ND = Not Detected

APPENDIX C

MONITOR WELL CONSTRUCTION LOGS

AKRF, Inc.

Environmental Consultants

Well Construction Logs

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number : 12103

Well No. MW-1

Sheet 1 of 1

Drilling Method:	Geoprobe Model 7822 DT	**Drilling**	
Sampling Method:	Direct Push Probe/5' Macrocore	**Start**	**Finish**
Driller :	Eastern Environmental	**Time:**	**Time:**
Weather:	70, Overcast	**Date: 5/19/15**	**Date: 5/19/15**
Field Supervisor:	AKRF/ Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Concrete (6")
1		**Flush-mounted well cover, locking cap and concrete seal 0 to 0.5' below grade.**
2		**Sand pack from 0.5' to 7'**
3		
4		**PVC well riser from 0 to 10'**
5		
6		
7		
8		**Bentonite Seal 7'-9'**
9		
10	▼	
11		**Sand pack filter 9' to 15'**
12		
13		**20-Slot PVC well screen 10' to 15'**
14		
15		**15' Bottom of well**
16		
17		
18		
19		
20		

Notes:

Groundwater was encountered at approximately 11.5 feet below grade on soil in liner during drilling on 5/19/15.

▼ **Groundwater encountered at 9.87 feet below grade using oil/water interface probe on 5/20/15.**

No light non-aqeous phase liquid (LNAPL) was detected during well gauging on 5/20/15 or 5/28/15.

AKRF, Inc.

Environmental Consultants

Well Construction Logs

2647 Stillwell Avenue - Brooklyn, NY
AKRF Project Number : 12103

Well No. MW-2
Sheet 1 of 1

Drilling Method:	Geoprobe Model 7822 DT	**Drilling**	
Sampling Method:	Direct Push Probe/5' Macrocore	**Start**	**Finish**
Driller :	Eastern Environmental	**Time:**	**Time:**
Weather:	70, Overcast	**Date: 5/19/15**	**Date: 5/19/15**
Field Supervisor:	AKRF/ Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Concrete (6")
1		**Flush-mounted well cover, locking cap and concrete seal 0 to 0.5' below grade.**
2		**Sand pack from 0.5' to 5'**
3		
4		**PVC well riser from 0 to 8'**
5		
6		**Bentonite Seal 5'-7'**
7		
8		
9	▼	**Sand pack filter 7' to 13'**
10		**20-Slot PVC well screen 8' to 13'**
11		
12		
13		**13' Bottom of well**
14		
15		
16		
17		
18		
19		
20		

Notes:

Groundwater was encountered at approximately 10 feet below grade on soil in liner during drilling on 5/19/15.

▼ **Groundwater encountered at 8.91 feet below grade using oil/water interface probe on 5/20/15.**

No light non-aqeous phase liquid (LNAPL) was detected during well gauging on 5/20/15 or 5/28/15.

AKRF, Inc.	2647 Stillwell Avenue - Brooklyn, NY		Well No. MW-3	
	AKRF Project Number : 12103		Sheet 1	of 1
Environmental Consultants	Drilling Method:	Geoprobe Model 7822 DT	Drilling	
	Sampling Method:	Direct Push Probe/5' Macrocore	Start	Finish
	Driller :	Eastern Environmental	Time:	Time:
Well Construction Logs	Weather:	70, Overcast	Date: 5/19/15	Date: 5/19/15
	Field Supervisor:	AKRF/ Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Concrete (6")
1		Flush-mounted well cover, locking cap and concrete seal 0 to 0.5' below grade.
2		Sand pack from 0.5' to 6'
3		
4		PVC well riser from 0 to 9'
5		
6		
7		Bentonite Seal 6'-8'
8		
9		
10		Sand pack filter 8' to 14'
11	▼	
12		20-Slot PVC well screen 9' to 14'
13		
14		14' Bottom of well
15		
16		
17		
18		
19		
20		

Notes:

Groundwater was encountered at approximately 10 feet below grade on soil in liner during drilling on 5/19/15.

▼ Groundwater encountered at 10.31 feet below grade using oil/water interface probe on 5/20/15.

No light non-aqeous phase liquid (LNAPL) was detected during well gauging on 5/20/15 or 5/28/15.

APPENDIX D

MONITOR WELL SAMPLING LOGS

Well Sampling Log

Job No:	12103	**Client:**	Storage Deluxe	**Well No:**	
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	Chris Puoplo		
Date:	5/28/2015	**Sampling Time:**	13:37	**MW-1**	
PID at surface:	ND				
Total Depth:	15.17 ft. below top of casing	**Water Column (WC):**	4.68 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	10.49 ft. below top of casing	**Well Volume*:**	0.76 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND	**Volume Purged:**	2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	10.00 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	15.17 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump		
Approx. Pump Intake:	13.00 ft. below top of casing	**Field Screening Instrument:**	PID		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
13:10	10.49	100	16.69	6.41	1.75	7.01	-156.5	213.16	
13:15	10.49	100	14.99	6.20	1.10	7.03	-155.1	132.6	
13:20	10.49	100	14.26	6.10	0.93	7.05	-165.8	57.61	
13:25	10.49	100	14.00	6.06	0.43	7.06	-170.2	44.23	Light sheen and slight petroleum odor noted.
13:30	10.49	100	14.08	6.06	0.31	7.06	-172.5	39.06	
13:35	10.50	100	14.18	6.07	0.71	7.06	-172.4	39.72	
13:37	Sampling								
14:05	10.51	100	14.70	6.24	1.10	7.09	-181.6	22.47	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (EPA method 8260), SVOCs (EPA method 8270), RCRA 8 Metals (Total and Dissolved), and PCBs (EPA method 8081).

ND - Not Detected
PID - Photoionization Detector

Well Sampling Log

Job No:	12103	**Client:**	Storage Deluxe	**Well No:**	**MW-2**
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	Chris Puoplo		
Date:	5/28/2015	**Sampling Time:**	15:07		
PID at surface:	ND				
Total Depth:	13.22 ft. below top of casing	**Water Column (WC):**	4.31 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	8.91 ft. below top of casing	**Well Volume*:**	0.703 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND	**Volume Purged:**	2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	8.00 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	13.22 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump		
Approx. Pump Intake:	11.10 ft. below top of casing	**Field Screening Instrument:**	PID		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
14:40	8.91	100	13.91	1.09	2.43	7.17	-114.2	319.3	Light sheen and slight petroleum odor noted.
14:45	8.91	100	12.37	1.01	0.59	7.10	-114.5	114.26	
14:50	8.91	100	12.02	1.01	0.22	7.11	-125.4	60.09	
14:55	8.91	100	12.05	1.01	0.10	7.12	-130.9	44.3	
15:00	9.33	100	11.91	1.00	0.03	7.13	-135.3	33.67	
15:05	9.33	100	11.97	0.99	0.01	7.14	-139.4	31.49	
15:07	Sampling								
15:35	9.26	100	12.17	0.96	2.07	7.17	-113.9	30.14	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (EPA method 8260), SVOCs (EPA method 8270), RCRA 8 Metals (Total and Dissolved), and PCBs (EPA method 8081).
ND - Not Detected
PID - Photoionization Detector

Well Sampling Log

Job No:	12103	**Client:**	Storage Deluxe	**Well No:**	
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	Chris Puoplo		**MW-3**
Date:	5/28/2015	**Sampling Time:**	11:41		
PID at surface:	ND				
Total Depth:	13.33 ft. below top of casing	**Water Column (WC):**	2.63 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	10.70 ft. below top of casing	**Well Volume*:**	0.429 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND	**Volume Purged:**	4 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	9.00 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	13.33 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump		
Approx. Pump Intake:	12.20 ft. below top of casing	**Field Screening Instrument:**	PID		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
9:55	10.70	100	13.56	1.46	0.47	7.15	-121.6	182.50	
10:00	10.70	100	13.79	1.46	0.43	7.15	-132.3	155.10	
10:05	10.70	100	13.32	1.46	0.35	7.15	-143.8	123.20	
10:10	10.70	100	13.04	1.45	0.24	7.13	-155.0	70.30	
10:15	10.70	100	13.04	1.46	0.17	7.13	-174.5	42.50	
10:20	10.70	100	13.01	1.46	0.12	7.12	-192.8	33.50	
10:25	10.71	100	13.02	1.45	0.06	7.13	-227.4	20.12	No sheen or odor noted.
10:30	10.71	100	13.02	1.45	0.06	7.14	-256.0	16.74	
10:35	10.71	100	12.99	1.46	0.05	7.12	-251.7	16.36	
10:40	10.71	100	13.02	1.46	0.02	7.13	-290.8	12.42	
10:45	10.71	100	12.99	1.46	0.02	7.12	-320.1	13.33	
10:50	10.71	100	13.03	1.46	0.00	7.13	-322.4	10.25	
10:55	10.73	100	13.10	1.46	0.00	7.13	-338.0	10.31	
11:00	10.73	100	13.05	1.46	0.00	7.13	-327.8	8.49	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (EPA method 8260), SVOCs (EPA method 8270), RCRA 8 Metals (Total and Dissolved), and PCBs (EPA method 8081).

ND - Not Detected
PID - Photoionization Detector

Well Sampling Log

Job No:	12103	**Client:**	Storage Deluxe	**Well No:**	
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	Chris Puoplo		**MW-3**
Date:	5/28/2015	**Sampling Time:**	11:41		
PID at surface:	ND				
Total Depth:	13.33 ft. below top of casing	**Water Column (WC):**	2.63 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	10.70 ft. below top of casing	**Well Volume*:**	0.429 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND	**Volume Purged:**	4 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	9.00 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	13.33 ft. below top of casing	**Pump type:**	QED Sample Pro Bladder Pump		
Approx. Pump Intake:	12.20 ft. below top of casing	**Field Screening Instrument:**	PID		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
11:05	10.73	100	13.05	1.47	0.00	7.13	-315.7	11.44	
11:10	10.73	100	13.19	1.47	0.01	7.13	-355.2	9.22	
11:15	10.73	100	13.27	1.47	0.00	7.13	-338.4	9.62	
11:20	10.73	100	13.23	1.47	0.00	7.13	-352.1	7.75	
11:25	10.77	100	13.28	1.47	0.00	7.13	-333.1	7.40	No sheen or odor noted.
11:30	10.77	100	13.25	1.47	0.00	7.13	-358.5	6.57	
11:35	10.77	100	13.18	1.47	0.00	7.13	-359.8	7.38	
11:40	10.77	100	13.29	1.46	0.00	7.15	-355.5	9.50	
11:41	Sampling								
12:20	10.79	100	14.35	1.52	0.78	7.15	-325.5	11.20	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (EPA method 8260), SVOCs (EPA method 8270), RCRA 8 Metals (Total and Dissolved), and PCBs (EPA method 8081).

ND - Not Detected
PID - Photoionization Detector

ANALYTICAL REPORT

Lab Number:	L1510925
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Dustin Kapson
Phone:	(212) 696-0670
Project Name:	2647 STILLWELL AVENUE
Project Number:	12103
Report Date:	05/27/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1510925-01	SB-1 (1'-3')	SOIL	BROOKLYN, NY	05/19/15 09:45	05/19/15
L1510925-02	SB-1 (10'-12')	SOIL	BROOKLYN, NY	05/19/15 10:00	05/19/15
L1510925-03	SB-2 (2'-4')	SOIL	BROOKLYN, NY	05/19/15 11:00	05/19/15
L1510925-04	SB-2 (10'-12')	SOIL	BROOKLYN, NY	05/19/15 11:15	05/19/15
L1510925-05	SB-3 (1'-3')	SOIL	BROOKLYN, NY	05/19/15 12:00	05/19/15
L1510925-06	SB-3 (9'-11')	SOIL	BROOKLYN, NY	05/19/15 12:15	05/19/15
L1510925-07	SB-4 (2'-4')	SOIL	BROOKLYN, NY	05/19/15 13:00	05/19/15
L1510925-08	SB-4 (7'-9')	SOIL	BROOKLYN, NY	05/19/15 13:25	05/19/15
L1510925-09	TB-051915	WATER	BROOKLYN, NY	05/19/15 00:00	05/19/15

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925
Project Number: 12103 **Report Date:** 05/27/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925
Project Number: 12103 **Report Date:** 05/27/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

The WG787603-3 Laboratory Duplicate RPD, performed on L1510925-01, is outside the acceptance criteria for mercury (27%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/27/15

ORGANICS

VOLATILES

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01
Client ID: SB-1 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/23/15 13:17
Analyst: BN
Percent Solids: 91%

Date Collected: 05/19/15 09:45
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	0.84	J	ug/kg	1.1	0.13	1
Toluene	0.94	J	ug/kg	1.6	0.21	1
Ethylbenzene	6.7		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01 Date Collected: 05/19/15 09:45

Client ID: SB-1 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	1.8	J	ug/kg	2.2	0.09	1
p/m-Xylene	2.5		ug/kg	2.2	0.22	1
o-Xylene	1.6	J	ug/kg	2.2	0.19	1
Xylenes, Total	4.1	J	ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	2.1	J	ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	27		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	5.4	J	ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	3.8	J	ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	1.7	J	ug/kg	5.5	0.16	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01 Date Collected: 05/19/15 09:45

Client ID: SB-1 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	3.8	J	ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	4.7		ug/kg	4.4	0.18	1
p-Ethyltoluene	2.5	J	ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	2.0	J	ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	102		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02
Client ID: SB-1 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/23/15 13:46
Analyst: BN
Percent Solids: 82%

Date Collected: 05/19/15 10:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.19	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02 Date Collected: 05/19/15 10:00

Client ID: SB-1 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylenes, Total	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	180		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	30		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
o-Chlorotoluene	ND		ug/kg	6.1	0.20	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02 Date Collected: 05/19/15 10:00

Client ID: SB-1 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03
Client ID: SB-2 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/23/15 14:14
Analyst: BN
Percent Solids: 81%

Date Collected: 05/19/15 11:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.18	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	28		ug/kg	1.2	0.15	1
Toluene	69		ug/kg	1.9	0.24	1
Ethylbenzene	190		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.36	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.14	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03 Date Collected: 05/19/15 11:00

Client ID: SB-2 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	90		ug/kg	2.5	0.10	1
p/m-Xylene	1200	E	ug/kg	2.5	0.24	1
o-Xylene	270		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	3.2		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	54		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	68		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.83	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	35		ug/kg	1.2	0.14	1
sec-Butylbenzene	10		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	22		ug/kg	1.2	0.13	1
p-Isopropyltoluene	13		ug/kg	1.2	0.16	1
Naphthalene	510	E	ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
n-Propylbenzene	74		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3,5-Trimethylbenzene	440	E	ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	1100	E	ug/kg	6.2	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03 Date Collected: 05/19/15 11:00

Client ID: SB-2 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	630	E	ug/kg	5.0	0.20	1
p-Ethyltoluene	920	E	ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	250		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	71		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03 D
Client ID: SB-2 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 20:14
Analyst: BN
Percent Solids: 81%

Date Collected: 05/19/15 11:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	8900		ug/kg	120	12.	50
Xylenes, Total	9200		ug/kg	2.5	0.21	50
Naphthalene	5100		ug/kg	310	8.6	50
1,3,5-Trimethylbenzene	4400		ug/kg	310	8.9	50
1,2,4-Trimethylbenzene	14000		ug/kg	310	8.8	50
p-Diethylbenzene	7800		ug/kg	250	9.9	50
p-Ethyltoluene	9100		ug/kg	250	7.7	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04
Client ID: SB-2 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:41
Analyst: MV
Percent Solids: 46%

Date Collected: 05/19/15 11:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	22	2.4	1
1,1-Dichloroethane	ND		ug/kg	3.3	0.19	1
Chloroform	ND		ug/kg	3.3	0.80	1
Carbon tetrachloride	ND		ug/kg	2.2	0.46	1
1,2-Dichloropropane	ND		ug/kg	7.6	0.50	1
Dibromochloromethane	ND		ug/kg	2.2	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	3.3	0.66	1
Tetrachloroethene	ND		ug/kg	2.2	0.30	1
Chlorobenzene	ND		ug/kg	2.2	0.76	1
Trichlorofluoromethane	ND		ug/kg	11	0.84	1
1,2-Dichloroethane	ND		ug/kg	2.2	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.24	1
Bromodichloromethane	ND		ug/kg	2.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	2.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	11	0.31	1
Bromoform	ND		ug/kg	8.7	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.22	1
Benzene	ND		ug/kg	2.2	0.26	1
Toluene	ND		ug/kg	3.3	0.42	1
Ethylbenzene	ND		ug/kg	2.2	0.28	1
Chloromethane	ND		ug/kg	11	0.64	1
Bromomethane	ND		ug/kg	4.3	0.73	1
Vinyl chloride	ND		ug/kg	4.3	0.26	1
Chloroethane	ND		ug/kg	4.3	0.69	1
1,1-Dichloroethene	ND		ug/kg	2.2	0.57	1
trans-1,2-Dichloroethene	ND		ug/kg	3.3	0.46	1
Trichloroethene	ND		ug/kg	2.2	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	11	0.33	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04 Date Collected: 05/19/15 11:15

Client ID: SB-2 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	11	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	11	0.30	1
Methyl tert butyl ether	2.4	J	ug/kg	4.3	0.18	1
p/m-Xylene	1.6	J	ug/kg	4.3	0.43	1
o-Xylene	ND		ug/kg	4.3	0.37	1
Xylenes, Total	1.6	J	ug/kg	4.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	2.2	0.31	1
Dibromomethane	ND		ug/kg	22	0.36	1
Styrene	ND		ug/kg	4.3	0.87	1
Dichlorodifluoromethane	ND		ug/kg	22	0.41	1
Acetone	270		ug/kg	22	2.2	1
Carbon disulfide	ND		ug/kg	22	2.4	1
2-Butanone	59		ug/kg	22	0.59	1
Vinyl acetate	ND		ug/kg	22	0.29	1
4-Methyl-2-pentanone	ND		ug/kg	22	0.53	1
1,2,3-Trichloropropane	ND		ug/kg	22	0.35	1
2-Hexanone	ND		ug/kg	22	1.4	1
Bromochloromethane	ND		ug/kg	11	0.60	1
2,2-Dichloropropane	ND		ug/kg	11	0.49	1
1,2-Dibromoethane	ND		ug/kg	8.7	0.38	1
1,3-Dichloropropane	ND		ug/kg	11	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.2	0.69	1
Bromobenzene	ND		ug/kg	11	0.45	1
n-Butylbenzene	ND		ug/kg	2.2	0.25	1
sec-Butylbenzene	1.8	J	ug/kg	2.2	0.26	1
tert-Butylbenzene	ND		ug/kg	11	0.29	1
o-Chlorotoluene	ND		ug/kg	11	0.35	1
p-Chlorotoluene	ND		ug/kg	11	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	0.86	1
Hexachlorobutadiene	ND		ug/kg	11	0.50	1
Isopropylbenzene	7.0		ug/kg	2.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	2.2	0.27	1
Naphthalene	ND		ug/kg	11	0.30	1
Acrylonitrile	ND		ug/kg	22	1.1	1
n-Propylbenzene	ND		ug/kg	2.2	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	0.31	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04 Date Collected: 05/19/15 11:15

Client ID: SB-2 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.9	J	ug/kg	11	0.31	1
1,4-Dioxane	ND		ug/kg	220	31.	1
p-Diethylbenzene	ND		ug/kg	8.7	0.35	1
p-Ethyltoluene	ND		ug/kg	8.7	0.27	1
1,2,4,5-Tetramethylbenzene	18		ug/kg	8.7	0.28	1
Ethyl ether	ND		ug/kg	11	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	0.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05
Client ID: SB-3 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/23/15 15:11
Analyst: BN
Percent Solids: 86%

Date Collected: 05/19/15 12:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05 Date Collected: 05/19/15 12:00

Client ID: SB-3 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	2.9		ug/kg	2.3	0.10	1
p/m-Xylene	0.79	J	ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	0.79	J	ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	34		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	8.9	J	ug/kg	12	0.31	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	0.87	J	ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05 Date Collected: 05/19/15 12:00

Client ID: SB-3 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	0.34	J	ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	0.40	J	ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06
Client ID: SB-3 (9'-11')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/23/15 15:39
Analyst: BN
Percent Solids: 84%

Date Collected: 05/19/15 12:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.17	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06 Date Collected: 05/19/15 12:15

Client ID: SB-3 (9'-11') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.23	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	4.6	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06 Date Collected: 05/19/15 12:15

Client ID: SB-3 (9'-11') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	102		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-07	D2	Date Collected:	05/19/15 13:00
Client ID:	SB-4 (2'-4')		Date Received:	05/19/15
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	05/26/15 13:26			
Analyst:	MV			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	420000		ug/kg	4600	450	2000
Xylenes, Total	470000		ug/kg	460	39.	2000
1,2,4-Trimethylbenzene	270000		ug/kg	11000	320	2000
p-Ethyltoluene	240000		ug/kg	9200	280	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	99		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07 D
Client ID: SB-4 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 20:42
Analyst: MV
Percent Solids: 87%

Date Collected: 05/19/15 13:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	2300	250	200
1,1-Dichloroethane	ND		ug/kg	340	20.	200
Chloroform	ND		ug/kg	340	85.	200
Carbon tetrachloride	ND		ug/kg	230	48.	200
1,2-Dichloropropane	ND		ug/kg	800	52.	200
Dibromochloromethane	ND		ug/kg	230	35.	200
1,1,2-Trichloroethane	ND		ug/kg	340	70.	200
Tetrachloroethene	ND		ug/kg	230	32.	200
Chlorobenzene	ND		ug/kg	230	80.	200
Trichlorofluoromethane	ND		ug/kg	1100	89.	200
1,2-Dichloroethane	ND		ug/kg	230	26.	200
1,1,1-Trichloroethane	ND		ug/kg	230	25.	200
Bromodichloromethane	ND		ug/kg	230	40.	200
trans-1,3-Dichloropropene	ND		ug/kg	230	28.	200
cis-1,3-Dichloropropene	ND		ug/kg	230	27.	200
1,3-Dichloropropene, Total	ND		ug/kg	230	27.	200
1,1-Dichloropropene	ND		ug/kg	1100	32.	200
Bromoform	ND		ug/kg	920	54.	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	230	23.	200
Benzene	3400		ug/kg	230	27.	200
Toluene	14000		ug/kg	340	44.	200
Ethylbenzene	52000		ug/kg	230	29.	200
Chloromethane	ND		ug/kg	1100	67.	200
Bromomethane	ND		ug/kg	460	77.	200
Vinyl chloride	ND		ug/kg	460	27.	200
Chloroethane	ND		ug/kg	460	72.	200
1,1-Dichloroethene	ND		ug/kg	230	60.	200
trans-1,2-Dichloroethene	ND		ug/kg	340	48.	200
Trichloroethene	ND		ug/kg	230	29.	200
1,2-Dichlorobenzene	ND		ug/kg	1100	35.	200

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07 D Date Collected: 05/19/15 13:00
Client ID: SB-4 (2'-4') Date Received: 05/19/15
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1100	31.	200
1,4-Dichlorobenzene	ND		ug/kg	1100	32.	200
Methyl tert butyl ether	630		ug/kg	460	19.	200
p/m-Xylene	220000	E	ug/kg	460	45.	200
o-Xylene	48000		ug/kg	460	39.	200
cis-1,2-Dichloroethene	ND		ug/kg	230	33.	200
1,2-Dichloroethene, Total	ND		ug/kg	230	33.	200
Dibromomethane	ND		ug/kg	2300	37.	200
Styrene	170	J	ug/kg	460	92.	200
Dichlorodifluoromethane	ND		ug/kg	2300	44.	200
Acetone	ND		ug/kg	2300	240	200
Carbon disulfide	ND		ug/kg	2300	250	200
2-Butanone	ND		ug/kg	2300	62.	200
Vinyl acetate	ND		ug/kg	2300	30.	200
4-Methyl-2-pentanone	ND		ug/kg	2300	56.	200
1,2,3-Trichloropropane	ND		ug/kg	2300	37.	200
2-Hexanone	ND		ug/kg	2300	150	200
Bromochloromethane	ND		ug/kg	1100	63.	200
2,2-Dichloropropane	ND		ug/kg	1100	52.	200
1,2-Dibromoethane	ND		ug/kg	920	40.	200
1,3-Dichloropropane	ND		ug/kg	1100	33.	200
1,1,1,2-Tetrachloroethane	ND		ug/kg	230	73.	200
Bromobenzene	ND		ug/kg	1100	48.	200
n-Butylbenzene	6200		ug/kg	230	26.	200
sec-Butylbenzene	2200		ug/kg	230	28.	200
tert-Butylbenzene	ND		ug/kg	1100	31.	200
o-Chlorotoluene	ND		ug/kg	1100	36.	200
p-Chlorotoluene	ND		ug/kg	1100	30.	200
1,2-Dibromo-3-chloropropane	ND		ug/kg	1100	91.	200
Hexachlorobutadiene	ND		ug/kg	1100	52.	200
Isopropylbenzene	13000		ug/kg	230	24.	200
p-Isopropyltoluene	1600		ug/kg	230	29.	200
Naphthalene	24000		ug/kg	1100	32.	200
Acrylonitrile	ND		ug/kg	2300	120	200
n-Propylbenzene	23000		ug/kg	230	25.	200
1,2,3-Trichlorobenzene	ND		ug/kg	1100	34.	200
1,2,4-Trichlorobenzene	ND		ug/kg	1100	42.	200
1,3,5-Trimethylbenzene	54000		ug/kg	1100	33.	200
1,2,4-Trimethylbenzene	130000	E	ug/kg	1100	32.	200

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07 D Date Collected: 05/19/15 13:00

Client ID: SB-4 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dioxane	ND		ug/kg	23000	3300	200
p-Diethylbenzene	58000		ug/kg	920	36.	200
p-Ethyltoluene	140000	E	ug/kg	920	28.	200
1,2,4,5-Tetramethylbenzene	19000		ug/kg	920	30.	200
Ethyl ether	ND		ug/kg	1100	59.	200
trans-1,4-Dichloro-2-butene	ND		ug/kg	1100	90.	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	88		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08
Client ID: SB-4 (7'-9')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 15:08
Analyst: MV
Percent Solids: 67%

Date Collected: 05/19/15 13:25
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.13	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.31	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.45	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.58	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.16	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.21	1
Bromoform	ND		ug/kg	6.0	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.2	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Chloromethane	ND		ug/kg	7.5	0.44	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.18	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.23	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08 Date Collected: 05/19/15 13:25

Client ID: SB-4 (7'-9') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.13	1
p/m-Xylene	ND		ug/kg	3.0	0.30	1
o-Xylene	ND		ug/kg	3.0	0.26	1
Xylenes, Total	ND		ug/kg	3.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	15	0.24	1
Styrene	ND		ug/kg	3.0	0.60	1
Dichlorodifluoromethane	ND		ug/kg	15	0.28	1
Acetone	27		ug/kg	15	1.5	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	3.7	J	ug/kg	15	0.41	1
Vinyl acetate	ND		ug/kg	15	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.24	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.5	0.41	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.31	1
n-Butylbenzene	ND		ug/kg	1.5	0.17	1
sec-Butylbenzene	ND		ug/kg	1.5	0.18	1
tert-Butylbenzene	ND		ug/kg	7.5	0.20	1
o-Chlorotoluene	ND		ug/kg	7.5	0.24	1
p-Chlorotoluene	ND		ug/kg	7.5	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	0.59	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.34	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.19	1
Naphthalene	ND		ug/kg	7.5	0.21	1
Acrylonitrile	ND		ug/kg	15	0.77	1
n-Propylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	0.27	1
1,3,5-Trimethylbenzene	2.4	J	ug/kg	7.5	0.21	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08 Date Collected: 05/19/15 13:25

Client ID: SB-4 (7'-9') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.0	J	ug/kg	7.5	0.21	1
1,4-Dioxane	ND		ug/kg	150	22.	1
p-Diethylbenzene	2.6	J	ug/kg	6.0	0.24	1
p-Ethyltoluene	0.75	J	ug/kg	6.0	0.18	1
1,2,4,5-Tetramethylbenzene	0.54	J	ug/kg	6.0	0.19	1
Ethyl ether	ND		ug/kg	7.5	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	123		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-09
Client ID: TB-051915
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/24/15 00:37
Analyst: PD

Date Collected: 05/19/15 00:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-09 Date Collected: 05/19/15 00:00

Client ID: TB-051915 Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-09 Date Collected: 05/19/15 00:00

Client ID: TB-051915 Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 16:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG787740-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 16:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG787740-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 16:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG787740-3					
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 16:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG787740-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 10:28
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG787906-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 10:28
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG787906-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 10:28
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG787906-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/15 10:28
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06 Batch: WG787906-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	100		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG787906-6					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG787906-6					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG787906-6					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

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Analytical Method: 1,8260C
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Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG787906-6					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 2647 STILLWELL AVENUE
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Method Blank Analysis
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07-08 Batch: WG787982-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 2647 STILLWELL AVENUE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07-08 Batch: WG787982-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

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Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07-08 Batch: WG787982-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE
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Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,07-08 Batch: WG787982-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG787982-6					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

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Method Blank Analysis
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Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG787982-6					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE
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Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG787982-6					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG787982-6					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG787740-1 WG787740-2								
Methylene chloride	104		89		70-130	16		20
1,1-Dichloroethane	116		102		70-130	13		20
Chloroform	113		96		70-130	16		20
Carbon tetrachloride	127		111		63-132	13		20
1,2-Dichloropropane	110		94		70-130	16		20
Dibromochloromethane	96		84		63-130	13		20
1,1,2-Trichloroethane	106		92		70-130	14		20
Tetrachloroethene	94		79		70-130	17		20
Chlorobenzene	103		88		75-130	16		20
Trichlorofluoromethane	118		101		62-150	16		20
1,2-Dichloroethane	119		103		70-130	14		20
1,1,1-Trichloroethane	118		99		67-130	18		20
Bromodichloromethane	110		94		67-130	16		20
trans-1,3-Dichloropropene	118		103		70-130	14		20
cis-1,3-Dichloropropene	107		93		70-130	14		20
1,1-Dichloropropene	108		92		70-130	16		20
Bromoform	98		83		54-136	17		20
1,1,2,2-Tetrachloroethane	107		94		67-130	13		20
Benzene	108		93		70-130	15		20
Toluene	108		92		70-130	16		20
Ethylbenzene	111		94		70-130	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

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Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG787740-1 WG787740-2								
Chloromethane	128		110		64-130	15		20
Bromomethane	87		66		39-139	**27**	Q	20
Vinyl chloride	**148**	Q	118		55-140	**23**	Q	20
Chloroethane	138		116		55-138	17		20
1,1-Dichloroethene	101		88		61-145	14		20
trans-1,2-Dichloroethene	100		84		70-130	17		20
Trichloroethene	105		89		70-130	16		20
1,2-Dichlorobenzene	100		86		70-130	15		20
1,3-Dichlorobenzene	103		87		70-130	17		20
1,4-Dichlorobenzene	102		86		70-130	17		20
Methyl tert butyl ether	102		90		63-130	13		20
p/m-Xylene	108		92		70-130	16		20
o-Xylene	110		93		70-130	17		20
cis-1,2-Dichloroethene	98		90		70-130	9		20
Dibromomethane	96		85		70-130	12		20
1,2,3-Trichloropropane	111		96		64-130	14		20
Acrylonitrile	122		106		70-130	14		20
Diisopropyl Ether	121		106		70-130	13		20
Tert-Butyl Alcohol	100		90		70-130	11		20
Styrene	109		93		70-130	16		20
Dichlorodifluoromethane	112		92		36-147	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG787740-1 WG787740-2								
Acetone	142		128		58-148	10		20
Carbon disulfide	105		86		51-130	20		20
2-Butanone	128		116		63-138	10		20
Vinyl acetate	125		110		70-130	13		20
4-Methyl-2-pentanone	102		94		59-130	8		20
2-Hexanone	123		109		57-130	12		20
Bromochloromethane	106		89		70-130	17		20
2,2-Dichloropropane	**145**	Q	126		63-133	14		20
1,2-Dibromoethane	96		84		70-130	13		20
1,3-Dichloropropane	105		91		70-130	14		20
1,1,1,2-Tetrachloroethane	115		98		64-130	16		20
Bromobenzene	101		86		70-130	16		20
n-Butylbenzene	123		99		53-136	**22**	Q	20
sec-Butylbenzene	115		94		70-130	20		20
tert-Butylbenzene	112		92		70-130	20		20
o-Chlorotoluene	118		99		70-130	18		20
p-Chlorotoluene	117		98		70-130	18		20
1,2-Dibromo-3-chloropropane	101		91		41-144	10		20
Hexachlorobutadiene	94		75		63-130	**22**	Q	20
Isopropylbenzene	106		90		70-130	16		20
p-Isopropyltoluene	111		92		70-130	19		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG787740-1 WG787740-2								
Naphthalene	88		78		70-130	12		20
n-Propylbenzene	119		99		69-130	18		20
1,2,3-Trichlorobenzene	87		73		70-130	18		20
1,2,4-Trichlorobenzene	91		77		70-130	17		20
1,3,5-Trimethylbenzene	116		96		64-130	19		20
1,2,4-Trimethylbenzene	116		97		70-130	18		20
Methyl Acetate	106		92		70-130	14		20
Ethyl Acetate	120		106		70-130	12		20
Cyclohexane	117		97		70-130	19		20
Ethyl-Tert-Butyl-Ether	115		100		70-130	14		20
Tertiary-Amyl Methyl Ether	99		85		66-130	15		20
1,4-Dioxane	101		97		56-162	4		20
Freon-113	96		82		70-130	16		20
p-Diethylbenzene	113		94		70-130	18		20
p-Ethyltoluene	119		99		70-130	18		20
1,2,4,5-Tetramethylbenzene	115		96		70-130	18		20
Ethyl ether	116		102		59-134	13		20
trans-1,4-Dichloro-2-butene	**131**	Q	108		70-130	19		20
Iodomethane	83		**59**	Q	70-130	**34**	Q	20
Methyl cyclohexane	101		81		70-130	**22**	Q	20

Lab Control Sample Analysis

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Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG787740-1 WG787740-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		118		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	110		111		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG787906-1 WG787906-2								
Methylene chloride	90		88		70-130	2		30
1,1-Dichloroethane	84		82		70-130	2		30
Chloroform	88		85		70-130	3		30
Carbon tetrachloride	92		84		70-130	9		30
1,2-Dichloropropane	83		83		70-130	0		30
Dibromochloromethane	91		91		70-130	0		30
2-Chloroethylvinyl ether	80		79		70-130	1		30
1,1,2-Trichloroethane	83		84		70-130	1		30
Tetrachloroethene	94		90		70-130	4		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	106		94		70-139	12		30
1,2-Dichloroethane	79		79		70-130	0		30
1,1,1-Trichloroethane	90		84		70-130	7		30
Bromodichloromethane	86		84		70-130	2		30
trans-1,3-Dichloropropene	80		81		70-130	1		30
cis-1,3-Dichloropropene	84		84		70-130	0		30
1,1-Dichloropropene	89		81		70-130	9		30
Bromoform	80		80		70-130	0		30
1,1,2,2-Tetrachloroethane	84		**65**	Q	70-130	26		30
Benzene	89		85		70-130	5		30
Toluene	85		82		70-130	4		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG787906-1 WG787906-2								
Ethylbenzene	92		86		70-130	7		30
Chloromethane	81		77		52-130	5		30
Bromomethane	118		106		57-147	11		30
Vinyl chloride	92		86		67-130	7		30
Chloroethane	107		100		50-151	7		30
1,1-Dichloroethene	92		84		65-135	9		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	96		90		70-130	6		30
1,2-Dichlorobenzene	87		92		70-130	6		30
1,3-Dichlorobenzene	99		91		70-130	8		30
1,4-Dichlorobenzene	99		97		70-130	2		30
Methyl tert butyl ether	80		81		66-130	1		30
p/m-Xylene	95		91		70-130	4		30
o-Xylene	102		92		70-130	10		30
cis-1,2-Dichloroethene	90		88		70-130	2		30
Dibromomethane	86		85		70-130	1		30
Styrene	112		92		70-130	20		30
Dichlorodifluoromethane	92		81		30-146	13		30
Acetone	60		70		54-140	15		30
Carbon disulfide	92		105		59-130	13		30
2-Butanone	79		80		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG787906-1 WG787906-2								
Vinyl acetate	78		78		70-130	0		30
4-Methyl-2-pentanone	75		73		70-130	3		30
1,2,3-Trichloropropane	94		71		68-130	28		30
2-Hexanone	**68**	Q	70		70-130	3		30
Bromochloromethane	94		93		70-130	1		30
2,2-Dichloropropane	86		80		70-130	7		30
1,2-Dibromoethane	86		87		70-130	1		30
1,3-Dichloropropane	82		84		69-130	2		30
1,1,1,2-Tetrachloroethane	92		90		70-130	2		30
Bromobenzene	88		85		70-130	3		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	103		89		70-130	15		30
tert-Butylbenzene	101		83		70-130	20		30
o-Chlorotoluene	106		77		70-130	**32**	Q	30
p-Chlorotoluene	107		79		70-130	30		30
1,2-Dibromo-3-chloropropane	76		85		68-130	11		30
Hexachlorobutadiene	103		88		67-130	16		30
Isopropylbenzene	94		79		70-130	17		30
p-Isopropyltoluene	102		91		70-130	11		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	82		81		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG787906-1 WG787906-2								
Diisopropyl Ether	78		78		66-130	0		30
Tert-Butyl Alcohol	**68**	Q	**69**	Q	70-130	1		30
n-Propylbenzene	101		79		70-130	24		30
1,2,3-Trichlorobenzene	87		89		70-130	2		30
1,2,4-Trichlorobenzene	99		94		70-130	5		30
1,3,5-Trimethylbenzene	105		80		70-130	27		30
1,2,4-Trimethylbenzene	105		83		70-130	23		30
Methyl Acetate	74		74		51-146	0		30
Ethyl Acetate	74		74		70-130	0		30
Acrolein	79		80		70-130	1		30
Cyclohexane	83		74		59-142	11		30
1,4-Dioxane	74		74		65-136	0		30
Freon-113	91		80		50-139	13		30
p-Diethylbenzene	96		96		70-130	0		30
p-Ethyltoluene	106		82		70-130	26		30
1,2,4,5-Tetramethylbenzene	97		92		70-130	5		30
Tetrahydrofuran	74		74		66-130	0		30
Ethyl ether	103		98		67-130	5		30
trans-1,4-Dichloro-2-butene	88		**64**	Q	70-130	**32**	Q	30
Methyl cyclohexane	88		79		70-130	11		30
Ethyl-Tert-Butyl-Ether	79		79		70-130	0		30

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG787906-1 WG787906-2								
Tertiary-Amyl Methyl Ether	81		81		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	103		83		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG787906-4 WG787906-5								
Methylene chloride	102		93		70-130	9		30
1,1-Dichloroethane	100		89		70-130	12		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	97		96		70-130	1		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	98		99		70-130	1		30
2-Chloroethylvinyl ether	84		87		70-130	4		30
1,1,2-Trichloroethane	94		92		70-130	2		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	96		99		70-139	3		30
1,2-Dichloroethane	96		88		70-130	9		30
1,1,1-Trichloroethane	95		92		70-130	3		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	88		92		70-130	4		30
1,1-Dichloropropene	98		91		70-130	7		30
Bromoform	89		95		70-130	7		30
1,1,2,2-Tetrachloroethane	72		90		70-130	22		30
Benzene	97		92		70-130	5		30
Toluene	90		86		70-130	5		30

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG787906-4 WG787906-5								
Ethylbenzene	93		93		70-130	0		30
Chloromethane	101		80		52-130	23		30
Bromomethane	116		112		57-147	4		30
Vinyl chloride	95		94		67-130	1		30
Chloroethane	99		102		50-151	3		30
1,1-Dichloroethene	99		91		65-135	8		30
trans-1,2-Dichloroethene	99		95		70-130	4		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	100		108		70-130	8		30
Methyl tert butyl ether	102		89		66-130	14		30
p/m-Xylene	99		97		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	96		94		70-130	2		30
Dibromomethane	95		93		70-130	2		30
Styrene	98		109		70-130	11		30
Dichlorodifluoromethane	93		90		30-146	3		30
Acetone	109		77		54-140	**34**	Q	30
Carbon disulfide	102		86		59-130	17		30
2-Butanone	89		80		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG787906-4 WG787906-5								
Vinyl acetate	99		88		70-130	12		30
4-Methyl-2-pentanone	83		102		70-130	21		30
1,2,3-Trichloropropane	79		93		68-130	16		30
2-Hexanone	77		90		70-130	16		30
Bromochloromethane	99		101		70-130	2		30
2,2-Dichloropropane	97		89		70-130	9		30
1,2-Dibromoethane	99		93		70-130	6		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	102		100		70-130	2		30
sec-Butylbenzene	101		98		70-130	3		30
tert-Butylbenzene	102		97		70-130	5		30
o-Chlorotoluene	87		100		70-130	14		30
p-Chlorotoluene	89		99		70-130	11		30
1,2-Dibromo-3-chloropropane	83		87		68-130	5		30
Hexachlorobutadiene	102		101		67-130	1		30
Isopropylbenzene	90		104		70-130	14		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	89		92		70-130	3		30
Acrylonitrile	98		87		70-130	12		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG787906-4 WG787906-5								
Diisopropyl Ether	105		86		66-130	20		30
Tert-Butyl Alcohol	96		78		70-130	21		30
n-Propylbenzene	90		102		70-130	13		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	91		99		70-130	8		30
1,2,4-Trimethylbenzene	100		98		70-130	2		30
Methyl Acetate	96		83		51-146	15		30
Ethyl Acetate	98		86		70-130	13		30
Acrolein	108		87		70-130	22		30
Cyclohexane	92		83		59-142	10		30
1,4-Dioxane	83		83		65-136	0		30
Freon-113	95		89		50-139	7		30
p-Diethylbenzene	102		106		70-130	4		30
p-Ethyltoluene	92		105		70-130	13		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Tetrahydrofuran	91		87		66-130	4		30
Ethyl ether	101		90		67-130	12		30
trans-1,4-Dichloro-2-butene	75		88		70-130	16		30
Methyl cyclohexane	89		88		70-130	1		30
Ethyl-Tert-Butyl-Ether	94		86		70-130	9		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG787906-4 WG787906-5								
Tertiary-Amyl Methyl Ether	93		89		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		91		70-130
Toluene-d8	101		94		70-130
4-Bromofluorobenzene	89		103		70-130
Dibromofluoromethane	102		103		70-130

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07-08 Batch: WG787982-1 WG787982-2								
Methylene chloride	102		93		70-130	9		30
1,1-Dichloroethane	100		89		70-130	12		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	97		96		70-130	1		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	98		99		70-130	1		30
2-Chloroethylvinyl ether	84		87		70-130	4		30
1,1,2-Trichloroethane	94		92		70-130	2		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	96		99		70-139	3		30
1,2-Dichloroethane	96		88		70-130	9		30
1,1,1-Trichloroethane	95		92		70-130	3		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	88		92		70-130	4		30
1,1-Dichloropropene	98		91		70-130	7		30
Bromoform	89		95		70-130	7		30
1,1,2,2-Tetrachloroethane	72		90		70-130	22		30
Benzene	97		92		70-130	5		30
Toluene	90		86		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07-08 Batch: WG787982-1 WG787982-2								
Ethylbenzene	93		93		70-130	0		30
Chloromethane	101		80		52-130	23		30
Bromomethane	116		112		57-147	4		30
Vinyl chloride	95		94		67-130	1		30
Chloroethane	99		102		50-151	3		30
1,1-Dichloroethene	99		91		65-135	8		30
trans-1,2-Dichloroethene	99		95		70-130	4		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	100		108		70-130	8		30
Methyl tert butyl ether	102		89		66-130	14		30
p/m-Xylene	99		97		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	96		94		70-130	2		30
Dibromomethane	95		93		70-130	2		30
Styrene	98		109		70-130	11		30
Dichlorodifluoromethane	93		90		30-146	3		30
Acetone	109		77		54-140	**34**	Q	30
Carbon disulfide	102		86		59-130	17		30
2-Butanone	89		80		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07-08 Batch: WG787982-1 WG787982-2								
Vinyl acetate	99		88		70-130	12		30
4-Methyl-2-pentanone	83		102		70-130	21		30
1,2,3-Trichloropropane	79		93		68-130	16		30
2-Hexanone	77		90		70-130	16		30
Bromochloromethane	99		101		70-130	2		30
2,2-Dichloropropane	97		89		70-130	9		30
1,2-Dibromoethane	99		93		70-130	6		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	102		100		70-130	2		30
sec-Butylbenzene	101		98		70-130	3		30
tert-Butylbenzene	102		97		70-130	5		30
o-Chlorotoluene	87		100		70-130	14		30
p-Chlorotoluene	89		99		70-130	11		30
1,2-Dibromo-3-chloropropane	83		87		68-130	5		30
Hexachlorobutadiene	102		101		67-130	1		30
Isopropylbenzene	90		104		70-130	14		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	89		92		70-130	3		30
Acrylonitrile	98		87		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07-08 Batch: WG787982-1 WG787982-2								
Diisopropyl Ether	105		86		66-130	20		30
Tert-Butyl Alcohol	96		78		70-130	21		30
n-Propylbenzene	90		102		70-130	13		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	91		99		70-130	8		30
1,2,4-Trimethylbenzene	100		98		70-130	2		30
Methyl Acetate	96		83		51-146	15		30
Ethyl Acetate	98		86		70-130	13		30
Acrolein	108		87		70-130	22		30
Cyclohexane	92		83		59-142	10		30
1,4-Dioxane	83		83		65-136	0		30
Freon-113	95		89		50-139	7		30
p-Diethylbenzene	102		106		70-130	4		30
p-Ethyltoluene	92		105		70-130	13		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Tetrahydrofuran	91		87		66-130	4		30
Ethyl ether	101		90		67-130	12		30
trans-1,4-Dichloro-2-butene	75		88		70-130	16		30
Methyl cyclohexane	89		88		70-130	1		30
Ethyl-Tert-Butyl-Ether	94		86		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,07-08 Batch: WG787982-1 WG787982-2								
Tertiary-Amyl Methyl Ether	93		89		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		91		70-130
Toluene-d8	101		94		70-130
4-Bromofluorobenzene	89		103		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG787982-4 WG787982-5								
Methylene chloride	97		96		70-130	1		30
1,1-Dichloroethane	95		92		70-130	3		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	107		102		70-130	5		30
1,2-Dichloropropane	96		95		70-130	1		30
Dibromochloromethane	84		99		70-130	16		30
2-Chloroethylvinyl ether	94		91		70-130	3		30
1,1,2-Trichloroethane	79		93		70-130	16		30
Tetrachloroethene	93		99		70-130	6		30
Chlorobenzene	103		100		70-130	3		30
Trichlorofluoromethane	112		102		70-139	9		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	104		98		70-130	6		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	77		90		70-130	16		30
cis-1,3-Dichloropropene	95		95		70-130	0		30
1,1-Dichloropropene	104		95		70-130	9		30
Bromoform	85		94		70-130	10		30
1,1,2,2-Tetrachloroethane	82		78		70-130	5		30
Benzene	99		96		70-130	3		30
Toluene	81		90		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG787982-4 WG787982-5								
Ethylbenzene	109		96		70-130	13		30
Chloromethane	95		86		52-130	10		30
Bromomethane	127		121		57-147	5		30
Vinyl chloride	109		96		67-130	13		30
Chloroethane	107		102		50-151	5		30
1,1-Dichloroethene	112		97		65-135	14		30
trans-1,2-Dichloroethene	103		96		70-130	7		30
Trichloroethene	109		105		70-130	4		30
1,2-Dichlorobenzene	90		102		70-130	13		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	107		105		70-130	2		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	107		101		70-130	6		30
o-Xylene	105		102		70-130	3		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	97		98		70-130	1		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	115		102		30-146	12		30
Acetone	86		80		54-140	7		30
Carbon disulfide	106		95		59-130	11		30
2-Butanone	87		82		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG787982-4 WG787982-5								
Vinyl acetate	90		90		70-130	0		30
4-Methyl-2-pentanone	86		88		70-130	2		30
1,2,3-Trichloropropane	96		85		68-130	12		30
2-Hexanone	91		79		70-130	14		30
Bromochloromethane	105		105		70-130	0		30
2,2-Dichloropropane	99		94		70-130	5		30
1,2-Dibromoethane	87		96		70-130	10		30
1,3-Dichloropropane	78		92		69-130	16		30
1,1,1,2-Tetrachloroethane	96		99		70-130	3		30
Bromobenzene	104		103		70-130	1		30
n-Butylbenzene	109		102		70-130	7		30
sec-Butylbenzene	112		100		70-130	11		30
tert-Butylbenzene	112		101		70-130	10		30
o-Chlorotoluene	106		96		70-130	10		30
p-Chlorotoluene	112		97		70-130	14		30
1,2-Dibromo-3-chloropropane	75		88		68-130	16		30
Hexachlorobutadiene	105		113		67-130	7		30
Isopropylbenzene	108		98		70-130	10		30
p-Isopropyltoluene	111		104		70-130	7		30
Naphthalene	82		98		70-130	18		30
Acrylonitrile	89		91		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG787982-4 WG787982-5								
Diisopropyl Ether	92		92		66-130	0		30
Tert-Butyl Alcohol	77		79		70-130	3		30
n-Propylbenzene	112		99		70-130	12		30
1,2,3-Trichlorobenzene	93		117		70-130	23		30
1,2,4-Trichlorobenzene	96		109		70-130	13		30
1,3,5-Trimethylbenzene	110		99		70-130	11		30
1,2,4-Trimethylbenzene	113		102		70-130	10		30
Methyl Acetate	85		84		51-146	1		30
Ethyl Acetate	86		88		70-130	2		30
Acrolein	91		89		70-130	2		30
Cyclohexane	104		95		59-142	9		30
1,4-Dioxane	78		79		65-136	1		30
Freon-113	111		101		50-139	9		30
p-Diethylbenzene	110		104		70-130	6		30
p-Ethyltoluene	111		100		70-130	10		30
1,2,4,5-Tetramethylbenzene	92		102		70-130	10		30
Tetrahydrofuran	87		90		66-130	3		30
Ethyl ether	118		120		67-130	2		30
trans-1,4-Dichloro-2-butene	88		82		70-130	7		30
Methyl cyclohexane	110		101		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		90		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG787982-4 WG787982-5								
Tertiary-Amyl Methyl Ether	92		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	86		100		70-130
4-Bromofluorobenzene	110		96		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01
Client ID: SB-1 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 18:05
Analyst: JB
Percent Solids: 91%

Date Collected: 05/19/15 09:45
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	680		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	78	J	ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	960		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01 Date Collected: 05/19/15 09:45

Client ID: SB-1 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	350		ug/kg	110	35.	1
Benzo(a)pyrene	390		ug/kg	140	43.	1
Benzo(b)fluoranthene	520		ug/kg	110	36.	1
Benzo(k)fluoranthene	180		ug/kg	110	34.	1
Chrysene	390		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	89	J	ug/kg	110	30.	1
Benzo(ghi)perylene	280		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	360		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	70	J	ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	270		ug/kg	140	39.	1
Pyrene	700		ug/kg	110	34.	1
Biphenyl	ND		ug/kg	400	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	58	J	ug/kg	210	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	850	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01 Date Collected: 05/19/15 09:45

Client ID: SB-1 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	12		10-136
4-Terphenyl-d14	72		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02
Client ID: SB-1 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 18:30
Analyst: JB
Percent Solids: 82%

Date Collected: 05/19/15 10:00
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	1300		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02 Date Collected: 05/19/15 10:00

Client ID: SB-1 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	620		ug/kg	120	39.	1
Benzo(a)pyrene	490		ug/kg	160	49.	1
Benzo(b)fluoranthene	560		ug/kg	120	40.	1
Benzo(k)fluoranthene	240		ug/kg	120	38.	1
Chrysene	560		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	270		ug/kg	120	33.	1
Benzo(ghi)perylene	240		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	1000		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	67	J	ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	270		ug/kg	160	44.	1
Pyrene	1100		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	59	J	ug/kg	200	43.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02 Date Collected: 05/19/15 10:00

Client ID: SB-1 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	80		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03
Client ID: SB-2 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 18:56
Analyst: JB
Percent Solids: 81%

Date Collected: 05/19/15 11:00
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	170		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	5500		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	1100		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	6400		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03 Date Collected: 05/19/15 11:00

Client ID: SB-2 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	2200		ug/kg	120	39.	1
Benzo(a)pyrene	2600		ug/kg	160	49.	1
Benzo(b)fluoranthene	3600		ug/kg	120	41.	1
Benzo(k)fluoranthene	1200		ug/kg	120	38.	1
Chrysene	2400		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	390		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	270		ug/kg	200	58.	1
Phenanthrene	1600		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	320		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	1700		ug/kg	160	45.	1
Pyrene	6500		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	89	J	ug/kg	200	67.	1
2-Methylnaphthalene	1800		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	120	J	ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	230		ug/kg	200	43.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03 Date Collected: 05/19/15 11:00

Client ID: SB-2 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	91		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04
Client ID: SB-2 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 19:22
Analyst: JB
Percent Solids: 46%

Date Collected: 05/19/15 11:15
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	290	74.	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	1
Hexachlorobenzene	ND		ug/kg	210	67.	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	1
2-Chloronaphthalene	ND		ug/kg	360	120	1
1,2-Dichlorobenzene	ND		ug/kg	360	120	1
1,3-Dichlorobenzene	ND		ug/kg	360	110	1
1,4-Dichlorobenzene	ND		ug/kg	360	110	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	1
2,4-Dinitrotoluene	ND		ug/kg	360	77.	1
2,6-Dinitrotoluene	ND		ug/kg	360	92.	1
Fluoranthene	2900		ug/kg	210	66.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	120	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	110	1
Hexachlorobutadiene	ND		ug/kg	360	100	1
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	1
Hexachloroethane	ND		ug/kg	290	65.	1
Isophorone	ND		ug/kg	320	95.	1
Naphthalene	280	J	ug/kg	360	120	1
Nitrobenzene	ND		ug/kg	320	85.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	290	75.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	94.	1
Butyl benzyl phthalate	ND		ug/kg	360	70.	1
Di-n-butylphthalate	ND		ug/kg	360	69.	1
Di-n-octylphthalate	ND		ug/kg	360	88.	1
Diethyl phthalate	ND		ug/kg	360	76.	1
Dimethyl phthalate	ND		ug/kg	360	91.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04 Date Collected: 05/19/15 11:15

Client ID: SB-2 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1800		ug/kg	210	70.	1
Benzo(a)pyrene	1800		ug/kg	290	88.	1
Benzo(b)fluoranthene	2000		ug/kg	210	72.	1
Benzo(k)fluoranthene	780		ug/kg	210	68.	1
Chrysene	1800		ug/kg	210	70.	1
Acenaphthylene	150	J	ug/kg	290	67.	1
Anthracene	420		ug/kg	210	60.	1
Benzo(ghi)perylene	1100		ug/kg	290	74.	1
Fluorene	180	J	ug/kg	360	100	1
Phenanthrene	1800		ug/kg	210	70.	1
Dibenzo(a,h)anthracene	240		ug/kg	210	69.	1
Indeno(1,2,3-cd)Pyrene	1100		ug/kg	290	79.	1
Pyrene	3200		ug/kg	210	70.	1
Biphenyl	ND		ug/kg	820	120	1
4-Chloroaniline	ND		ug/kg	360	94.	1
2-Nitroaniline	ND		ug/kg	360	100	1
3-Nitroaniline	ND		ug/kg	360	99.	1
4-Nitroaniline	ND		ug/kg	360	97.	1
Dibenzofuran	130	J	ug/kg	360	120	1
2-Methylnaphthalene	ND		ug/kg	430	110	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	1
Acetophenone	ND		ug/kg	360	110	1
2,4,6-Trichlorophenol	ND		ug/kg	210	68.	1
P-Chloro-M-Cresol	ND		ug/kg	360	100	1
2-Chlorophenol	ND		ug/kg	360	110	1
2,4-Dichlorophenol	ND		ug/kg	320	120	1
2,4-Dimethylphenol	ND		ug/kg	360	110	1
2-Nitrophenol	ND		ug/kg	770	110	1
4-Nitrophenol	ND		ug/kg	500	120	1
2,4-Dinitrophenol	ND		ug/kg	1700	490	1
4,6-Dinitro-o-cresol	ND		ug/kg	930	130	1
Pentachlorophenol	ND		ug/kg	290	76.	1
Phenol	ND		ug/kg	360	100	1
2-Methylphenol	ND		ug/kg	360	120	1
3-Methylphenol/4-Methylphenol	520		ug/kg	520	120	1
2,4,5-Trichlorophenol	ND		ug/kg	360	120	1
Benzoic Acid	ND		ug/kg	1200	360	1
Benzyl Alcohol	ND		ug/kg	360	110	1
Carbazole	ND		ug/kg	360	77.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04 Date Collected: 05/19/15 11:15

Client ID: SB-2 (10'-12') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	69		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05
Client ID: SB-3 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 19:48
Analyst: JB
Percent Solids: 86%

Date Collected: 05/19/15 12:00
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	220		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05 Date Collected: 05/19/15 12:00

Client ID: SB-3 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	120		ug/kg	110	37.	1
Benzo(a)pyrene	120	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	150		ug/kg	110	38.	1
Benzo(k)fluoranthene	53	J	ug/kg	110	36.	1
Chrysene	130		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	38	J	ug/kg	110	31.	1
Benzo(ghi)perylene	77	J	ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	150		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	74	J	ug/kg	150	42.	1
Pyrene	200		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05 Date Collected: 05/19/15 12:00

Client ID: SB-3 (1'-3') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	81		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06
Client ID: SB-3 (9'-11')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 20:13
Analyst: JB
Percent Solids: 84%

Date Collected: 05/19/15 12:15
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	92	J	ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06 Date Collected: 05/19/15 12:15

Client ID: SB-3 (9'-11') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	55	J	ug/kg	120	38.	1
Benzo(a)pyrene	56	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	66	J	ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	54	J	ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	42	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	86	J	ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06 Date Collected: 05/19/15 12:15

Client ID: SB-3 (9'-11') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	78		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07
Client ID: SB-4 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/26/15 20:39
Analyst: JB
Percent Solids: 87%

Date Collected: 05/19/15 13:00
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	420		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	5100		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	3900		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	6500		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07 Date Collected: 05/19/15 13:00

Client ID: SB-4 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	1800		ug/kg	110	37.	1
Benzo(a)pyrene	1700		ug/kg	150	46.	1
Benzo(b)fluoranthene	2300		ug/kg	110	38.	1
Benzo(k)fluoranthene	920		ug/kg	110	36.	1
Chrysene	1800		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	740		ug/kg	110	31.	1
Benzo(ghi)perylene	1000		ug/kg	150	39.	1
Fluorene	510		ug/kg	190	54.	1
Phenanthrene	3700		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	240		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	1100		ug/kg	150	42.	1
Pyrene	4500		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	260		ug/kg	190	63.	1
2-Methylnaphthalene	4000		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	520		ug/kg	190	41.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07 Date Collected: 05/19/15 13:00

Client ID: SB-4 (2'-4') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	89		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08
Client ID: SB-4 (7'-9')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/27/15 13:58
Analyst: JB
Percent Solids: 67%

Date Collected: 05/19/15 13:25
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	50.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	79.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	68.	1
2-Chloronaphthalene	ND		ug/kg	240	79.	1
1,2-Dichlorobenzene	ND		ug/kg	240	80.	1
1,3-Dichlorobenzene	ND		ug/kg	240	76.	1
1,4-Dichlorobenzene	ND		ug/kg	240	74.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	62.	1
Fluoranthene	260		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	74.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	85.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	73.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	160	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	ND		ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	51.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	72.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	47.	1
Di-n-octylphthalate	ND		ug/kg	240	60.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	62.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08 Date Collected: 05/19/15 13:25

Client ID: SB-4 (7'-9') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	130	J	ug/kg	140	47.	1
Benzo(a)pyrene	120	J	ug/kg	190	59.	1
Benzo(b)fluoranthene	150		ug/kg	140	49.	1
Benzo(k)fluoranthene	71	J	ug/kg	140	46.	1
Chrysene	130	J	ug/kg	140	48.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	52	J	ug/kg	140	40.	1
Benzo(ghi)perylene	86	J	ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	220		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	47.	1
Indeno(1,2,3-cd)Pyrene	80	J	ug/kg	190	54.	1
Pyrene	220		ug/kg	140	47.	1
Biphenyl	ND		ug/kg	550	80.	1
4-Chloroaniline	ND		ug/kg	240	64.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	67.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	81.	1
2-Methylnaphthalene	ND		ug/kg	290	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	75.	1
Acetophenone	ND		ug/kg	240	75.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	46.	1
P-Chloro-M-Cresol	ND		ug/kg	240	70.	1
2-Chlorophenol	ND		ug/kg	240	73.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	72.	1
2-Nitrophenol	ND		ug/kg	520	76.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1200	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	89.	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	72.	1
2-Methylphenol	ND		ug/kg	240	78.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	79.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Benzoic Acid	ND		ug/kg	780	240	1
Benzyl Alcohol	ND		ug/kg	240	75.	1
Carbazole	ND		ug/kg	240	52.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08 Date Collected: 05/19/15 13:25

Client ID: SB-4 (7'-9') Date Received: 05/19/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	10		10-136
4-Terphenyl-d14	72		18-120

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 16:48
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG787654-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 16:48
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG787654-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 16:48
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/23/15 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG787654-1					
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG787654-2 WG787654-3								
Acenaphthene	82		87		31-137	6		50
1,2,4-Trichlorobenzene	71		77		38-107	8		50
Hexachlorobenzene	73		77		40-140	5		50
Bis(2-chloroethyl)ether	82		91		40-140	10		50
2-Chloronaphthalene	82		88		40-140	7		50
1,2-Dichlorobenzene	70		78		40-140	11		50
1,3-Dichlorobenzene	67		77		40-140	14		50
1,4-Dichlorobenzene	68		78		28-104	14		50
3,3'-Dichlorobenzidine	50		54		40-140	8		50
2,4-Dinitrotoluene	83		88		28-89	6		50
2,6-Dinitrotoluene	82		88		40-140	7		50
Fluoranthene	87		92		40-140	6		50
4-Chlorophenyl phenyl ether	80		87		40-140	8		50
4-Bromophenyl phenyl ether	76		81		40-140	6		50
Bis(2-chloroisopropyl)ether	112		119		40-140	6		50
Bis(2-chloroethoxy)methane	90		93		40-117	3		50
Hexachlorobutadiene	70		78		40-140	11		50
Hexachlorocyclopentadiene	77		83		40-140	8		50
Hexachloroethane	75		84		40-140	11		50
Isophorone	93		99		40-140	6		50
Naphthalene	79		84		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG787654-2 WG787654-3								
Nitrobenzene	85		91		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	85		88		36-157	3		50
n-Nitrosodi-n-propylamine	88		96		32-121	9		50
Bis(2-Ethylhexyl)phthalate	97		102		40-140	5		50
Butyl benzyl phthalate	93		101		40-140	8		50
Di-n-butylphthalate	90		93		40-140	3		50
Di-n-octylphthalate	96		101		40-140	5		50
Diethyl phthalate	84		89		40-140	6		50
Dimethyl phthalate	80		84		40-140	5		50
Benzo(a)anthracene	86		86		40-140	0		50
Benzo(a)pyrene	88		90		40-140	2		50
Benzo(b)fluoranthene	86		88		40-140	2		50
Benzo(k)fluoranthene	84		89		40-140	6		50
Chrysene	81		84		40-140	4		50
Acenaphthylene	85		90		40-140	6		50
Anthracene	86		91		40-140	6		50
Benzo(ghi)perylene	85		88		40-140	3		50
Fluorene	83		89		40-140	7		50
Phenanthrene	84		88		40-140	5		50
Dibenzo(a,h)anthracene	84		86		40-140	2		50
Indeno(1,2,3-cd)Pyrene	84		88		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG787654-2 WG787654-3								
Pyrene	85		93		35-142	9		50
Biphenyl	78		83		54-104	6		50
4-Chloroaniline	85		91		40-140	7		50
2-Nitroaniline	80		87		47-134	8		50
3-Nitroaniline	58		65		26-129	11		50
4-Nitroaniline	82		87		41-125	6		50
Dibenzofuran	83		88		40-140	6		50
2-Methylnaphthalene	80		88		40-140	10		50
1,2,4,5-Tetrachlorobenzene	71		76		40-117	7		50
Acetophenone	85		92		14-144	8		50
2,4,6-Trichlorophenol	82		86		30-130	5		50
P-Chloro-M-Cresol	91		97		26-103	6		50
2-Chlorophenol	80		84		25-102	5		50
2,4-Dichlorophenol	81		87		30-130	7		50
2,4-Dimethylphenol	90		97		30-130	7		50
2-Nitrophenol	79		85		30-130	7		50
4-Nitrophenol	107		110		11-114	3		50
2,4-Dinitrophenol	52		56		4-130	7		50
4,6-Dinitro-o-cresol	70		79		10-130	12		50
Pentachlorophenol	81		87		17-109	7		50
Phenol	**93**	Q	**99**	Q	26-90	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG787654-2 WG787654-3								
2-Methylphenol	85		93		30-130.	9		50
3-Methylphenol/4-Methylphenol	88		94		30-130	7		50
2,4,5-Trichlorophenol	86		90		30-130	5		50
Benzoic Acid	12		14		10-66	15		50
Benzyl Alcohol	89		96		40-140	8		50
Carbazole	86		89		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		85		25-120
Phenol-d6	87		92		10-120
Nitrobenzene-d5	81		88		23-120
2-Fluorobiphenyl	78		83		30-120
2,4,6-Tribromophenol	70		77		10-136
4-Terphenyl-d14	79		82		18-120

PCBS

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01
Client ID: SB-1 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/23/15 23:17
Analyst: JW
Percent Solids: 91%

Date Collected: 05/19/15 09:45
Date Received: 05/19/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/23/15 04:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.80	1	A
Aroclor 1221	ND		ug/kg	35.5	3.27	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	12.0	J	ug/kg	35.5	4.35	1	A
Aroclor 1248	ND		ug/kg	35.5	3.00	1	A
Aroclor 1254	34.1	J	ug/kg	35.5	2.92	1	A
Aroclor 1260	23.2	J	ug/kg	35.5	2.71	1	A
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.15	1	A
PCBs, Total	69.3	J	ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-02	Date Collected:	05/19/15 10:00
Client ID:	SB-1 (10'-12')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/23/15 23:29	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	3.16	1	A
Aroclor 1221	ND		ug/kg	40.0	3.69	1	A
Aroclor 1232	ND		ug/kg	40.0	4.69	1	A
Aroclor 1242	ND		ug/kg	40.0	4.90	1	A
Aroclor 1248	ND		ug/kg	40.0	3.38	1	A
Aroclor 1254	ND		ug/kg	40.0	3.29	1	A
Aroclor 1260	ND		ug/kg	40.0	3.05	1	A
Aroclor 1262	ND		ug/kg	40.0	1.98	1	A
Aroclor 1268	ND		ug/kg	40.0	5.80	1	A
PCBs, Total	ND		ug/kg	40.0	1.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-03	Date Collected:	05/19/15 11:00
Client ID:	SB-2 (2'-4')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/23/15 23:41	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.24	1	A
Aroclor 1221	ND		ug/kg	41.0	3.78	1	A
Aroclor 1232	ND		ug/kg	41.0	4.81	1	A
Aroclor 1242	13.6	J	ug/kg	41.0	5.02	1	B
Aroclor 1248	ND		ug/kg	41.0	3.46	1	A
Aroclor 1254	26.4	J	ug/kg	41.0	3.37	1	A
Aroclor 1260	29.4	J	ug/kg	41.0	3.13	1	B
Aroclor 1262	ND		ug/kg	41.0	2.04	1	A
Aroclor 1268	ND		ug/kg	41.0	5.95	1	A
PCBs, Total	69.4	J	ug/kg	41.0	2.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-04	Date Collected:	05/19/15 11:15
Client ID:	SB-2 (10'-12')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/23/15 23:54	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	46%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	71.5	5.64	1	A
Aroclor 1221	ND		ug/kg	71.5	6.59	1	A
Aroclor 1232	ND		ug/kg	71.5	8.38	1	A
Aroclor 1242	ND		ug/kg	71.5	8.75	1	A
Aroclor 1248	ND		ug/kg	71.5	6.03	1	A
Aroclor 1254	ND		ug/kg	71.5	5.87	1	A
Aroclor 1260	ND		ug/kg	71.5	5.44	1	A
Aroclor 1262	ND		ug/kg	71.5	3.54	1	A
Aroclor 1268	ND		ug/kg	71.5	10.4	1	A
PCBs, Total	ND		ug/kg	71.5	3.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-05	Date Collected:	05/19/15 12:00
Client ID:	SB-3 (1'-3')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/24/15 00:06	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.00	1	A
Aroclor 1221	ND		ug/kg	37.9	3.50	1	A
Aroclor 1232	ND		ug/kg	37.9	4.44	1	A
Aroclor 1242	ND		ug/kg	37.9	4.64	1	A
Aroclor 1248	ND		ug/kg	37.9	3.20	1	A
Aroclor 1254	ND		ug/kg	37.9	3.12	1	A
Aroclor 1260	ND		ug/kg	37.9	2.89	1	A
Aroclor 1262	ND		ug/kg	37.9	1.88	1	A
Aroclor 1268	ND		ug/kg	37.9	5.50	1	A
PCBs, Total	ND		ug/kg	37.9	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-06	Date Collected:	05/19/15 12:15
Client ID:	SB-3 (9'-11')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/24/15 00:18	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.60	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.78	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.21	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.94	1	A
Aroclor 1268	ND		ug/kg	39.0	5.66	1	A
PCBs, Total	ND		ug/kg	39.0	1.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-07	Date Collected:	05/19/15 13:00
Client ID:	SB-4 (2'-4')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/24/15 00:31	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	ND		ug/kg	37.2	2.84	1	A
Aroclor 1262	ND		ug/kg	37.2	1.85	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A
PCBs, Total	ND		ug/kg	37.2	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1510925

Project Number: 12103 **Report Date:** 05/27/15

SAMPLE RESULTS

Lab ID:	L1510925-08	Date Collected:	05/19/15 13:25
Client ID:	SB-4 (7'-9')	Date Received:	05/19/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 04:22
Analytical Date:	05/24/15 00:43	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	05/23/15
Percent Solids:	67%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	49.5	3.91	1	A
Aroclor 1221	ND		ug/kg	49.5	4.56	1	A
Aroclor 1232	ND		ug/kg	49.5	5.80	1	A
Aroclor 1242	ND		ug/kg	49.5	6.05	1	A
Aroclor 1248	ND		ug/kg	49.5	4.17	1	A
Aroclor 1254	ND		ug/kg	49.5	4.06	1	A
Aroclor 1260	ND		ug/kg	49.5	3.77	1	A
Aroclor 1262	ND		ug/kg	49.5	2.45	1	A
Aroclor 1268	ND		ug/kg	49.5	7.17	1	A
PCBs, Total	ND		ug/kg	49.5	2.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/23/15 22:39
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/23/15 04:22
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG787618-1						
Aroclor 1016	ND		ug/kg	31.4	2.48	A
Aroclor 1221	ND		ug/kg	31.4	2.89	A
Aroclor 1232	ND		ug/kg	31.4	3.68	A
Aroclor 1242	ND		ug/kg	31.4	3.84	A
Aroclor 1248	ND		ug/kg	31.4	2.65	A
Aroclor 1254	ND		ug/kg	31.4	2.58	A
Aroclor 1260	ND		ug/kg	31.4	2.39	A
Aroclor 1262	ND		ug/kg	31.4	1.56	A
Aroclor 1268	ND		ug/kg	31.4	4.55	A
PCBs, Total	ND		ug/kg	31.4	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG787618-2 WG787618-3									
Aroclor 1016	84		88		40-140	5		50	A
Aroclor 1260	82		83		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	A
Decachlorobiphenyl	68		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		62		30-150	B
Decachlorobiphenyl	63		70		30-150	B

METALS

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01
Client ID: SB-1 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 05/19/15 09:45
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.66		mg/kg	0.43	0.09	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Barium, Total	8.8		mg/kg	0.43	0.13	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Cadmium, Total	0.06	J	mg/kg	0.43	0.03	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Chromium, Total	4.1		mg/kg	0.43	0.09	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Lead, Total	28		mg/kg	2.1	0.09	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Mercury, Total	0.11		mg/kg	0.07	0.02	1	05/23/15 07:36	05/27/15 09:49	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.85	0.13	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.43	0.09	1	05/20/15 16:36	05/22/15 17:16	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02
Client ID: SB-1 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 05/19/15 10:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.84		mg/kg	0.48	0.10	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Barium, Total	22		mg/kg	0.48	0.14	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Cadmium, Total	0.09	J	mg/kg	0.48	0.03	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Chromium, Total	3.3		mg/kg	0.48	0.10	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Lead, Total	8.8		mg/kg	2.4	0.10	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 10:00	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.96	0.14	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.48	0.10	1	05/20/15 16:36	05/22/15 17:35	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03
Client ID: SB-2 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 05/19/15 11:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.14	J	mg/kg	0.47	0.09	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Barium, Total	92		mg/kg	0.47	0.14	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Cadmium, Total	1.3		mg/kg	0.47	0.03	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.47	0.09	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Lead, Total	280		mg/kg	2.4	0.09	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Mercury, Total	0.36		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 10:02	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.94	0.14	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.47	0.09	1	05/20/15 16:36	05/22/15 17:39	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04
Client ID: SB-2 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 46%

Date Collected: 05/19/15 11:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.5		mg/kg	0.84	0.17	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Barium, Total	63		mg/kg	0.84	0.25	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Cadmium, Total	0.08	J	mg/kg	0.84	0.06	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Chromium, Total	26		mg/kg	0.84	0.17	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Lead, Total	69		mg/kg	4.2	0.17	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Mercury, Total	1.3		mg/kg	0.14	0.03	1	05/23/15 07:36	05/27/15 10:03	EPA 7471B	1,7471B	DB
Selenium, Total	0.79	J	mg/kg	1.7	0.25	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.84	0.17	1	05/20/15 16:36	05/22/15 17:42	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05
Client ID: SB-3 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 05/19/15 12:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.0		mg/kg	0.46	0.09	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Barium, Total	69		mg/kg	0.46	0.14	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.46	0.03	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.46	0.09	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Lead, Total	36		mg/kg	2.3	0.09	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Mercury, Total	0.30		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 10:05	EPA 7471B	1,7471B	DB
Selenium, Total	0.14	J	mg/kg	0.91	0.14	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.46	0.09	1	05/20/15 16:36	05/22/15 17:46	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06
Client ID: SB-3 (9'-11')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 05/19/15 12:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.3		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Barium, Total	87		mg/kg	0.44	0.13	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Chromium, Total	23		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Lead, Total	41		mg/kg	2.2	0.09	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Mercury, Total	0.16		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 10:07	EPA 7471B	1,7471B	DB
Selenium, Total	0.13	J	mg/kg	0.89	0.13	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:50	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07
Client ID: SB-4 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 05/19/15 13:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Barium, Total	88		mg/kg	0.44	0.13	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Cadmium, Total	0.06	J	mg/kg	0.44	0.03	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Chromium, Total	84		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Lead, Total	89		mg/kg	2.2	0.09	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Mercury, Total	0.18		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 10:09	EPA 7471B	1,7471B	DB
Selenium, Total	0.64	J	mg/kg	0.87	0.13	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	05/20/15 16:36	05/22/15 17:54	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1510925
Project Number: 12103
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08
Client ID: SB-4 (7'-9')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 67%

Date Collected: 05/19/15 13:25
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.4		mg/kg	0.57	0.11	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Barium, Total	25		mg/kg	0.57	0.17	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.57	0.04	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.57	0.11	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Lead, Total	82		mg/kg	2.8	0.11	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Mercury, Total	0.22		mg/kg	0.10	0.02	1	05/23/15 07:36	05/27/15 10:10	EPA 7471B	1,7471B	DB
Selenium, Total	0.30	J	mg/kg	1.1	0.17	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH
Silver, Total	2.7		mg/kg	0.57	0.11	1	05/20/15 16:36	05/22/15 18:43	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG786732-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	05/20/15 16:36	05/22/15 16:04	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG787603-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/23/15 07:36	05/27/15 09:46	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1510925

Report Date: 05/27/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG786732-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	99		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Chromium, Total	101		-		80-120	-		
Lead, Total	95		-		81-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	105		-		75-124	-		
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG787603-2 SRM Lot Number: D088-540								
Mercury, Total	99		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG786732-4 QC Sample: L1510930-01 Client ID: MS Sample												
Arsenic, Total	ND	9.44	7.9	84		-	-		75-125	-		20
Barium, Total	24.	157	180	99		-	-		75-125	-		20
Cadmium, Total	ND	4.01	4.2	105		-	-		75-125	-		20
Chromium, Total	8.9	15.7	24	96		-	-		75-125	-		20
Lead, Total	1.4J	40.1	43	107		-	-		75-125	-		20
Selenium, Total	0.28J	9.44	8.7	92		-	-		75-125	-		20
Silver, Total	ND	23.6	25	106		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG787603-4 QC Sample: L1510925-01 Client ID: SB-1 (1'-3')												
Mercury, Total	0.11	0.14	0.24	92		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG786732-3 QC Sample: L1510930-01 Client ID: DUP Sample						
Barium, Total	24.	22	mg/kg	9		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	8.9	8.4	mg/kg	6		20
Lead, Total	1.4J	1.6J	mg/kg	NC		20
Selenium, Total	0.28J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG786732-3 QC Sample: L1510930-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG787603-3 QC Sample: L1510925-01 Client ID: SB-1 (1'-3')						
Mercury, Total	0.11	0.08	mg/kg	**27**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-01
Client ID: SB-1 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 09:45
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-02
Client ID: SB-1 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 10:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-03
Client ID: SB-2 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 11:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-04
Client ID: SB-2 (10'-12')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 11:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	46.0		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-05
Client ID: SB-3 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 12:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-06
Client ID: SB-3 (9'-11')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 12:15
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-07
Client ID: SB-4 (2'-4')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 13:00
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1510925
Report Date: 05/27/15

SAMPLE RESULTS

Lab ID: L1510925-08
Client ID: SB-4 (7'-9')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/19/15 13:25
Date Received: 05/19/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.9		%	0.100	NA	1	-	05/20/15 13:36	30,2540G	SG

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG786659-1 QC Sample: L1510925-01 Client ID: SB-1 (1'-3')						
Solids, Total	91.0	90.6	%	0		20

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1510925-01A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-01B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-02A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-02B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-03A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-03B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-04A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-04B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-05A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-05B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-06A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1510925
Report Date: 05/27/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1510925-06B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-07A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-07B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-08A	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-08B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1510925-09A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1510925-09B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1510925
Project Number:	12103	**Report Date:**	05/27/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1510925
Project Number:	12103	**Report Date:**	05/27/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1510925
Project Number:	12103	**Report Date:**	05/27/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/20/15

ALPHA Job #: L1510925

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: 2647 Stillwell Avenue
Project Location: Brooklyn, NY
Project #: 12103
(Use Project name as Project #) ☐
Project Manager: Dustin Kapson
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: AKRF, Inc
Address: 440 Park Ave South 7th Fl
New York, NY 10016
Phone: 646-388-9854
Fax: 212-726-0942
Email: dkapson@akrf.com

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	RCRA 8 Metals	PCB 8082					Sample Specific Comments	Total Bottles
10925-01	SB-1 (1'-3')	5-19-15	09:45	Soil	SG	X	X	X	X						2
-02	SB-1 (10'-12')	↓	10:00	↓	SG	X	X	X	X						2
-03	SB-2 (2'-4')		11:00		SG	X	X	X	X						2
-04	SB-2 (10'-12')		11:15		SG	X	X	X	X						2
-05	SB-3 (1'-3')		12:00		SG	X	X	X	X						2
-06	SB-3 (9'-11')		12:15		SG	X	X	X	X						2
-07	SB-4 (2'-4')		1300		SG	X	X	X	X						2
-08	SB-4 (7'-9')		13:25	↓	SG	X	X	X	X						2
-09	TB-051915	↓	NA	water	NA	X								Trip Blank	2

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: A →
Preservative: ICE →

Relinquished By:	Date/Time	Received By:	Date/Time
David Hubbard	5/19/15 @ 14:30	David Hubbard (AAL)	5/19/15 14:30
David Hubbard	5/19/15 1810	Tom Tallen	5/19/15 1810
Tom Tallen	5/20/15 0045	[illegible]	5/20/15 0045

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

TB

ANALYTICAL REPORT

Lab Number:	L1511058
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Dustin Kapson
Phone:	(212) 696-0670
Project Name:	2647 STILLWELL AVENUE
Project Number:	12103
Report Date:	05/28/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1511058-01	DW-1	WATER	BROOKLYN, NY	05/20/15 13:30	05/20/15
L1511058-02	DW-2	WATER	BROOKLYN, NY	05/20/15 14:00	05/20/15
L1511058-03	TB-052015	WATER	BROOKLYN, NY	05/20/15 00:00	05/20/15
L1511058-04	SB-5 (0.5'-2.5')	SOIL	BROOKLYN, NY	05/20/15 08:15	05/20/15
L1511058-05	SB-5 (8'-10')	SOIL	BROOKLYN, NY	05/20/15 08:20	05/20/15
L1511058-06	SB-6 (1'-3')	SOIL	BROOKLYN, NY	05/20/15 08:50	05/20/15
L1511058-07	SB-6 (8'-10')	SOIL	BROOKLYN, NY	05/20/15 08:55	05/20/15
L1511058-08	DW-4-SED	SEDIMENT	BROOKLYN, NY	05/20/15 13:00	05/20/15

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058
Project Number: 12103 **Report Date:** 05/28/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058
Project Number: 12103 **Report Date:** 05/28/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics
L1511058-01, -02, -05, and -06 have elevated detection limits due to the dilutions required by the sample matrix.
L1511058-08 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.
The WG787641-2/-3 LCS/LCSD recoveries, associated with L1511058-01 and -02, are below the acceptance criteria for benzoic acid (2%/4%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG787825-2/-3 LCS/LCSD recoveries, associated with L1511058-04 and -05, are below the acceptance criteria for benzoic acid (2%/1%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM
L1511058-01 and -02 have elevated detection limits due to the dilutions required by the sample matrices.
L1511058-02: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

PCBs
L1511058-04: The surrogate recoveries are above the acceptance criteria for decachlorobiphenyl (211%/244%); however, the sample was not re-extracted due to coelution with Aroclor 1268.
L1511058-08: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria on the confirmation column; however, the sample was not re-analyzed due to obvious interferences.

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1511058
Project Number:	12103	**Report Date:**	05/28/15

Case Narrative (continued)

L1511058-08 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

Dissolved Metals

The WG788040-1 Method Blank, associated with L1511058-01 and -02, has a concentration above the reporting limit for barium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

Total Metals

The WG787604-3 Laboratory Duplicate RPD, performed on L1511058-04, is outside the acceptance criteria for mercury (22%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/28/15

ORGANICS

VOLATILES

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01
Client ID: DW-1
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/24/15 16:43
Analyst: MS

Date Collected: 05/20/15 13:30
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.39	J	ug/l	0.50	0.16	1
Toluene	0.76	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 Date Collected: 05/20/15 13:30

Client ID: DW-1 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	6.0		ug/l	2.5	0.70	1
p/m-Xylene	1.9	J	ug/l	2.5	0.70	1
o-Xylene	1.1	J	ug/l	2.5	0.70	1
Xylenes, Total	3.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.6	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	1.1	J	ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	2.3	J	ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 Date Collected: 05/20/15 13:30

Client ID: DW-1 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	97		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02
Client ID: DW-2
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/24/15 17:11
Analyst: MS

Date Collected: 05/20/15 14:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.59		ug/l	0.50	0.16	1
Toluene	16		ug/l	2.5	0.70	1
Ethylbenzene	12		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 Date Collected: 05/20/15 14:00

Client ID: DW-2 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	53		ug/l	2.5	0.70	1
o-Xylene	26		ug/l	2.5	0.70	1
Xylenes, Total	79		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	7.3		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	110		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	10		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	18		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	1.6	J	ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	4.6		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.4	J	ug/l	2.5	0.70	1
Naphthalene	13		ug/l	2.5	0.70	1
n-Propylbenzene	4.9		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	12		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 Date Collected: 05/20/15 14:00

Client ID: DW-2 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	46		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	10		ug/l	2.0	0.70	1
p-Ethyltoluene	30		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	3.8		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-03
Client ID: TB-052015
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/24/15 13:01
Analyst: MS

Date Collected: 05/20/15 00:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-03 Date Collected: 05/20/15 00:00

Client ID: TB-052015 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-03 Date Collected: 05/20/15 00:00

Client ID: TB-052015 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	78		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	95		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04
Client ID: SB-5 (0.5'-2.5')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 17:55
Analyst: MV
Percent Solids: 92%

Date Collected: 05/20/15 08:15
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	1.3	J	ug/kg	1.6	0.21	1
Ethylbenzene	9.5		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04 Date Collected: 05/20/15 08:15

Client ID: SB-5 (0.5'-2.5') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	35		ug/kg	2.2	0.22	1
o-Xylene	52		ug/kg	2.2	0.19	1
Xylenes, Total	87		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	56		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	14		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.23	1
n-Butylbenzene	4.6		ug/kg	1.1	0.12	1
sec-Butylbenzene	1.6		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.25	1
Isopropylbenzene	3.2		ug/kg	1.1	0.11	1
p-Isopropyltoluene	3.5		ug/kg	1.1	0.14	1
Naphthalene	37		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	8.0		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	120		ug/kg	5.4	0.16	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04 Date Collected: 05/20/15 08:15

Client ID: SB-5 (0.5'-2.5') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	200		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	140		ug/kg	4.3	0.17	1
p-Ethyltoluene	140		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	48		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	98		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05
Client ID: SB-5 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 18:23
Analyst: MV
Percent Solids: 84%

Date Collected: 05/20/15 08:20
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.17	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05 Date Collected: 05/20/15 08:20

Client ID: SB-5 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.23	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	15		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	2.2	J	ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05 Date Collected: 05/20/15 08:20

Client ID: SB-5 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	0.34	J	ug/kg	4.7	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	103		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06
Client ID: SB-6 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/25/15 18:50
Analyst: MV
Percent Solids: 88%

Date Collected: 05/20/15 08:50
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	1.1		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06 Date Collected: 05/20/15 08:50

Client ID: SB-6 (1'-3') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	2.3		ug/kg	2.3	0.22	1
o-Xylene	3.4		ug/kg	2.3	0.20	1
Xylenes, Total	5.7		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	120		ug/kg	11	1.2	1
Carbon disulfide	2.4	J	ug/kg	11	1.2	1
2-Butanone	18		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06 Date Collected: 05/20/15 08:50

Client ID: SB-6 (1'-3') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.4	J	ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	1.1	J	ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07
Client ID: SB-6 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/26/15 12:28
Analyst: BN
Percent Solids: 85%

Date Collected: 05/20/15 08:55
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07 Date Collected: 05/20/15 08:55

Client ID: SB-6 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	12		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.19	1
p-Chlorotoluene	ND		ug/kg	5.8	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	8.8		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07 Date Collected: 05/20/15 08:55

Client ID: SB-6 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	126		70-130
Dibromofluoromethane	89		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08
Client ID: DW-4-SED
Sample Location: BROOKLYN, NY
Matrix: Sediment
Analytical Method: 1,8260C
Analytical Date: 05/26/15 12:57
Analyst: BN
Percent Solids: 61%

Date Collected: 05/20/15 13:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.8	1
1,1-Dichloroethane	ND		ug/kg	2.5	0.14	1
Chloroform	ND		ug/kg	2.5	0.61	1
Carbon tetrachloride	ND		ug/kg	1.6	0.34	1
1,2-Dichloropropane	ND		ug/kg	5.7	0.37	1
Dibromochloromethane	ND		ug/kg	1.6	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	2.5	0.50	1
Tetrachloroethene	140		ug/kg	1.6	0.23	1
Chlorobenzene	ND		ug/kg	1.6	0.57	1
Trichlorofluoromethane	ND		ug/kg	8.2	0.64	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	1.6	0.19	1
1,1-Dichloropropene	ND		ug/kg	8.2	0.23	1
Bromoform	ND		ug/kg	6.6	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	4.3		ug/kg	1.6	0.19	1
Toluene	90		ug/kg	2.5	0.32	1
Ethylbenzene	16		ug/kg	1.6	0.21	1
Chloromethane	ND		ug/kg	8.2	0.48	1
Bromomethane	ND		ug/kg	3.3	0.56	1
Vinyl chloride	ND		ug/kg	3.3	0.19	1
Chloroethane	ND		ug/kg	3.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.35	1
Trichloroethene	ND		ug/kg	1.6	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	8.2	0.25	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08 Date Collected: 05/20/15 13:00

Client ID: DW-4-SED Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8.2	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	8.2	0.23	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.14	1
p/m-Xylene	74		ug/kg	3.3	0.32	1
o-Xylene	79		ug/kg	3.3	0.28	1
Xylenes, Total	150		ug/kg	3.3	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.23	1
Dibromomethane	ND		ug/kg	16	0.27	1
Styrene	ND		ug/kg	3.3	0.66	1
Dichlorodifluoromethane	ND		ug/kg	16	0.31	1
Acetone	48		ug/kg	16	1.7	1
Carbon disulfide	ND		ug/kg	16	1.8	1
2-Butanone	ND		ug/kg	16	0.45	1
Vinyl acetate	ND		ug/kg	16	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.40	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.27	1
2-Hexanone	ND		ug/kg	16	1.1	1
Bromochloromethane	ND		ug/kg	8.2	0.45	1
2,2-Dichloropropane	ND		ug/kg	8.2	0.37	1
1,2-Dibromoethane	ND		ug/kg	6.6	0.29	1
1,3-Dichloropropane	ND		ug/kg	8.2	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.52	1
Bromobenzene	ND		ug/kg	8.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.19	1
sec-Butylbenzene	2.1		ug/kg	1.6	0.20	1
tert-Butylbenzene	ND		ug/kg	8.2	0.22	1
o-Chlorotoluene	ND		ug/kg	8.2	0.26	1
p-Chlorotoluene	ND		ug/kg	8.2	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.2	0.65	1
Hexachlorobutadiene	ND		ug/kg	8.2	0.37	1
Isopropylbenzene	4.3		ug/kg	1.6	0.17	1
p-Isopropyltoluene	5.5		ug/kg	1.6	0.20	1
Naphthalene	10		ug/kg	8.2	0.23	1
Acrylonitrile	ND		ug/kg	16	0.84	1
n-Propylbenzene	8.1		ug/kg	1.6	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.2	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.2	0.30	1
1,3,5-Trimethylbenzene	110		ug/kg	8.2	0.24	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08 Date Collected: 05/20/15 13:00

Client ID: DW-4-SED Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	70		ug/kg	8.2	0.23	1
1,4-Dioxane	ND		ug/kg	160	24.	1
p-Diethylbenzene	220		ug/kg	6.6	0.26	1
p-Ethyltoluene	130		ug/kg	6.6	0.20	1
1,2,4,5-Tetramethylbenzene	67		ug/kg	6.6	0.21	1
Ethyl ether	ND		ug/kg	8.2	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	101		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/24/15 12:06
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG787785-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/24/15 12:06
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG787785-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/24/15 12:06
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG787785-3					
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/24/15 12:06
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG787785-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	96		70-130

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG787982-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG787982-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG787982-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/25/15 14:13
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG787982-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG788359-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG788359-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG788359-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/26/15 09:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG788359-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG787785-1 WG787785-2								
Methylene chloride	92		92		70-130	0		20
1,1-Dichloroethane	90		89		70-130	1		20
Chloroform	96		96		70-130	0		20
2-Chloroethylvinyl ether	77		74		70-130	4		20
Carbon tetrachloride	90		89		63-132	1		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	97		96		63-130	1		20
1,1,2-Trichloroethane	99		99		70-130	0		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	62		62		62-150	0		20
1,2-Dichloroethane	79		78		70-130	1		20
1,1,1-Trichloroethane	91		92		67-130	1		20
Bromodichloromethane	89		89		67-130	0		20
trans-1,3-Dichloropropene	105		104		70-130	1		20
cis-1,3-Dichloropropene	82		81		70-130	1		20
1,1-Dichloropropene	97		97		70-130	0		20
Bromoform	94		91		54-136	3		20
1,1,2,2-Tetrachloroethane	92		89		67-130	3		20
Benzene	95		95		70-130	0		20
Toluene	99		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG787785-1 WG787785-2								
Ethylbenzene	102		102		70-130	0		20
Chloromethane	71		75		64-130	5		20
Bromomethane	68		72		39-139	6		20
Vinyl chloride	73		73		55-140	0		20
Chloroethane	55		57		55-138	4		20
1,1-Dichloroethene	84		84		61-145	0		20
trans-1,2-Dichloroethene	92		92		70-130	0		20
Trichloroethene	92		92		70-130	0		20
1,2-Dichlorobenzene	89		90		70-130	1		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	91		90		63-130	1		20
p/m-Xylene	107		109		70-130	2		20
o-Xylene	100		103		70-130	3		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Dibromomethane	84		84		70-130	0		20
1,2,3-Trichloropropane	100		99		64-130	1		20
Acrylonitrile	100		99		70-130	1		20
Diisopropyl Ether	85		85		70-130	0		20
Tert-Butyl Alcohol	101		96		70-130	5		20
Styrene	**61**	Q	**62**	Q	70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG787785-1 WG787785-2								
Dichlorodifluoromethane	55		56		36-147	2		20
Acetone	69		67		58-148	3		20
Carbon disulfide	78		78		51-130	0		20
2-Butanone	76		74		63-138	3		20
Vinyl acetate	84		83		70-130	1		20
4-Methyl-2-pentanone	88		84		59-130	5		20
2-Hexanone	93		90		57-130	3		20
Bromochloromethane	96		95		70-130	1		20
2,2-Dichloropropane	91		90		63-133	1		20
1,2-Dibromoethane	98		97		70-130	1		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	104		105		64-130	1		20
Bromobenzene	94		93		70-130	1		20
n-Butylbenzene	98		98		53-136	0		20
sec-Butylbenzene	95		94		70-130	1		20
tert-Butylbenzene	82		81		70-130	1		20
o-Chlorotoluene	98		98		70-130	0		20
p-Chlorotoluene	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	82		81		41-144	1		20
Hexachlorobutadiene	74		73		63-130	1		20
Isopropylbenzene	92		92		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG787785-1 WG787785-2								
p-Isopropyltoluene	95		95		70-130	0		20
Naphthalene	83		82		70-130	1		20
n-Propylbenzene	88		88		69-130	0		20
1,2,3-Trichlorobenzene	90		89		70-130	1		20
1,2,4-Trichlorobenzene	96		96		70-130	0		20
1,3,5-Trimethylbenzene	102		102		64-130	0		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Methyl Acetate	86		85		70-130	1		20
Ethyl Acetate	92		89		70-130	3		20
Cyclohexane	95		95		70-130	0		20
Ethyl-Tert-Butyl-Ether	91		90		70-130	1		20
Tertiary-Amyl Methyl Ether	95		94		66-130	1		20
1,4-Dioxane	116		114		56-162	2		20
Freon-113	86		87		70-130	1		20
p-Diethylbenzene	86		86		70-130	0		20
p-Ethyltoluene	95		95		70-130	0		20
1,2,4,5-Tetramethylbenzene	82		81		70-130	1		20
Ethyl ether	87		84		59-134	4		20
trans-1,4-Dichloro-2-butene	76		75		70-130	1		20
Iodomethane	91		100		70-130	9		20
Methyl cyclohexane	93		93		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG787785-1 WG787785-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		79		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	95		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG787982-1 WG787982-2								
Methylene chloride	102		93		70-130	9		30
1,1-Dichloroethane	100		89		70-130	12		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	97		96		70-130	1		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	98		99		70-130	1		30
2-Chloroethylvinyl ether	84		87		70-130	4		30
1,1,2-Trichloroethane	94		92		70-130	2		30
Tetrachloroethene	101		92		70-130	9		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	96		99		70-139	3		30
1,2-Dichloroethane	96		88		70-130	9		30
1,1,1-Trichloroethane	95		92		70-130	3		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	88		92		70-130	4		30
1,1-Dichloropropene	98		91		70-130	7		30
Bromoform	89		95		70-130	7		30
1,1,2,2-Tetrachloroethane	72		90		70-130	22		30
Benzene	97		92		70-130	5		30
Toluene	90		86		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG787982-1 WG787982-2								
Ethylbenzene	93		93		70-130	0		30
Chloromethane	101		80		52-130	23		30
Bromomethane	116		112		57-147	4		30
Vinyl chloride	95		94		67-130	1		30
Chloroethane	99		102		50-151	3		30
1,1-Dichloroethene	99		91		65-135	8		30
trans-1,2-Dichloroethene	99		95		70-130	4		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	100		108		70-130	8		30
Methyl tert butyl ether	102		89		66-130	14		30
p/m-Xylene	99		97		70-130	2		30
o-Xylene	99		97		70-130	2		30
cis-1,2-Dichloroethene	96		94		70-130	2		30
Dibromomethane	95		93		70-130	2		30
Styrene	98		109		70-130	11		30
Dichlorodifluoromethane	93		90		30-146	3		30
Acetone	109		77		54-140	**34**	Q	30
Carbon disulfide	102		86		59-130	17		30
2-Butanone	89		80		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG787982-1 WG787982-2								
Vinyl acetate	99		88		70-130	12		30
4-Methyl-2-pentanone	83		102		70-130	21		30
1,2,3-Trichloropropane	79		93		68-130	16		30
2-Hexanone	77		90		70-130	16		30
Bromochloromethane	99		101		70-130	2		30
2,2-Dichloropropane	97		89		70-130	9		30
1,2-Dibromoethane	99		93		70-130	6		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	102		100		70-130	2		30
sec-Butylbenzene	101		98		70-130	3		30
tert-Butylbenzene	102		97		70-130	5		30
o-Chlorotoluene	87		100		70-130	14		30
p-Chlorotoluene	89		99		70-130	11		30
1,2-Dibromo-3-chloropropane	83		87		68-130	5		30
Hexachlorobutadiene	102		101		67-130	1		30
Isopropylbenzene	90		104		70-130	14		30
p-Isopropyltoluene	103		106		70-130	3		30
Naphthalene	89		92		70-130	3		30
Acrylonitrile	98		87		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG787982-1 WG787982-2								
Diisopropyl Ether	105		86		66-130	20		30
Tert-Butyl Alcohol	96		78		70-130	21		30
n-Propylbenzene	90		102		70-130	13		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	91		99		70-130	8		30
1,2,4-Trimethylbenzene	100		98		70-130	2		30
Methyl Acetate	96		83		51-146	15		30
Ethyl Acetate	98		86		70-130	13		30
Acrolein	108		87		70-130	22		30
Cyclohexane	92		83		59-142	10		30
1,4-Dioxane	83		83		65-136	0		30
Freon-113	95		89		50-139	7		30
p-Diethylbenzene	102		106		70-130	4		30
p-Ethyltoluene	92		105		70-130	13		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Tetrahydrofuran	91		87		66-130	4		30
Ethyl ether	101		90		67-130	12		30
trans-1,4-Dichloro-2-butene	75		88		70-130	16		30
Methyl cyclohexane	89		88		70-130	1		30
Ethyl-Tert-Butyl-Ether	94		86		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG787982-1 WG787982-2								
Tertiary-Amyl Methyl Ether	93		89		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		91		70-130
Toluene-d8	101		94		70-130
4-Bromofluorobenzene	89		103		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG788359-1 WG788359-2								
Methylene chloride	97		96		70-130	1		30
1,1-Dichloroethane	95		92		70-130	3		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	107		102		70-130	5		30
1,2-Dichloropropane	96		95		70-130	1		30
Dibromochloromethane	84		99		70-130	16		30
2-Chloroethylvinyl ether	94		91		70-130	3		30
1,1,2-Trichloroethane	79		93		70-130	16		30
Tetrachloroethene	93		99		70-130	6		30
Chlorobenzene	103		100		70-130	3		30
Trichlorofluoromethane	112		102		70-139	9		30
1,2-Dichloroethane	91		91		70-130	0		30
1,1,1-Trichloroethane	104		98		70-130	6		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	77		90		70-130	16		30
cis-1,3-Dichloropropene	95		95		70-130	0		30
1,1-Dichloropropene	104		95		70-130	9		30
Bromoform	85		94		70-130	10		30
1,1,2,2-Tetrachloroethane	82		78		70-130	5		30
Benzene	99		96		70-130	3		30
Toluene	81		90		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG788359-1 WG788359-2								
Ethylbenzene	109		96		70-130	13		30
Chloromethane	95		86		52-130	10		30
Bromomethane	127		121		57-147	5		30
Vinyl chloride	109		96		67-130	13		30
Chloroethane	107		102		50-151	5		30
1,1-Dichloroethene	112		97		65-135	14		30
trans-1,2-Dichloroethene	103		96		70-130	7		30
Trichloroethene	109		105		70-130	4		30
1,2-Dichlorobenzene	90		102		70-130	13		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	107		105		70-130	2		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	107		101		70-130	6		30
o-Xylene	105		102		70-130	3		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	97		98		70-130	1		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	115		102		30-146	12		30
Acetone	86		80		54-140	7		30
Carbon disulfide	106		95		59-130	11		30
2-Butanone	87		82		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG788359-1 WG788359-2								
Vinyl acetate	90		90		70-130	0		30
4-Methyl-2-pentanone	86		88		70-130	2		30
1,2,3-Trichloropropane	96		85		68-130	12		30
2-Hexanone	91		79		70-130	14		30
Bromochloromethane	105		105		70-130	0		30
2,2-Dichloropropane	99		94		70-130	5		30
1,2-Dibromoethane	87		96		70-130	10		30
1,3-Dichloropropane	78		92		69-130	16		30
1,1,1,2-Tetrachloroethane	96		99		70-130	3		30
Bromobenzene	104		103		70-130	1		30
n-Butylbenzene	109		102		70-130	7		30
sec-Butylbenzene	112		100		70-130	11		30
tert-Butylbenzene	112		101		70-130	10		30
o-Chlorotoluene	106		96		70-130	10		30
p-Chlorotoluene	112		97		70-130	14		30
1,2-Dibromo-3-chloropropane	75		88		68-130	16		30
Hexachlorobutadiene	105		113		67-130	7		30
Isopropylbenzene	108		98		70-130	10		30
p-Isopropyltoluene	111		104		70-130	7		30
Naphthalene	82		98		70-130	18		30
Acrylonitrile	89		91		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG788359-1 WG788359-2								
Diisopropyl Ether	92		92		66-130	0		30
Tert-Butyl Alcohol	77		79		70-130	3		30
n-Propylbenzene	112		99		70-130	12		30
1,2,3-Trichlorobenzene	93		117		70-130	23		30
1,2,4-Trichlorobenzene	96		109		70-130	13		30
1,3,5-Trimethylbenzene	110		99		70-130	11		30
1,2,4-Trimethylbenzene	113		102		70-130	10		30
Methyl Acetate	85		84		51-146	1		30
Ethyl Acetate	86		88		70-130	2		30
Acrolein	91		89		70-130	2		30
Cyclohexane	104		95		59-142	9		30
1,4-Dioxane	78		79		65-136	1		30
Freon-113	111		101		50-139	9		30
p-Diethylbenzene	110		104		70-130	6		30
p-Ethyltoluene	111		100		70-130	10		30
1,2,4,5-Tetramethylbenzene	92		102		70-130	10		30
Tetrahydrofuran	87		90		66-130	3		30
Ethyl ether	118		120		67-130	2		30
trans-1,4-Dichloro-2-butene	88		82		70-130	7		30
Methyl cyclohexane	110		101		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG788359-1 WG788359-2								
Tertiary-Amyl Methyl Ether	92		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	86		100		70-130
4-Bromofluorobenzene	110		96		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 D
Client ID: DW-1
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/27/15 22:06
Analyst: JB

Date Collected: 05/20/15 13:30
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	1.0	5
Bis(2-chloroethyl)ether	ND		ug/l	10	2.0	5
1,2-Dichlorobenzene	ND		ug/l	10	1.5	5
1,3-Dichlorobenzene	ND		ug/l	10	1.8	5
1,4-Dichlorobenzene	ND		ug/l	10	1.6	5
3,3'-Dichlorobenzidine	ND		ug/l	25	2.4	5
2,4-Dinitrotoluene	ND		ug/l	25	5.2	5
2,6-Dinitrotoluene	ND		ug/l	25	4.4	5
4-Chlorophenyl phenyl ether	ND		ug/l	10	1.8	5
4-Bromophenyl phenyl ether	ND		ug/l	10	2.1	5
Bis(2-chloroisopropyl)ether	ND		ug/l	10	3.0	5
Bis(2-chloroethoxy)methane	ND		ug/l	25	3.0	5
Hexachlorocyclopentadiene	ND		ug/l	100	2.9	5
Isophorone	ND		ug/l	25	3.9	5
Nitrobenzene	ND		ug/l	10	2.0	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	10	1.7	5
n-Nitrosodi-n-propylamine	ND		ug/l	25	3.2	5
Bis(2-Ethylhexyl)phthalate	38		ug/l	15	4.6	5
Butyl benzyl phthalate	ND		ug/l	25	5.6	5
Di-n-butylphthalate	ND		ug/l	25	3.8	5
Di-n-octylphthalate	ND		ug/l	25	6.0	5
Diethyl phthalate	ND		ug/l	25	2.0	5
Dimethyl phthalate	ND		ug/l	25	1.7	5
Biphenyl	ND		ug/l	10	1.2	5
4-Chloroaniline	ND		ug/l	25	4.2	5
2-Nitroaniline	ND		ug/l	25	4.8	5
3-Nitroaniline	ND		ug/l	25	3.3	5
4-Nitroaniline	ND		ug/l	25	4.2	5
Dibenzofuran	ND		ug/l	10	1.1	5
1,2,4,5-Tetrachlorobenzene	ND		ug/l	50	1.8	5

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 D Date Collected: 05/20/15 13:30

Client ID: DW-1 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	25	2.1	5
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	5
P-Chloro-M-Cresol	ND		ug/l	10	2.7	5
2-Chlorophenol	ND		ug/l	10	2.9	5
2,4-Dichlorophenol	ND		ug/l	25	2.8	5
2,4-Dimethylphenol	ND		ug/l	25	2.9	5
2-Nitrophenol	ND		ug/l	50	5.2	5
4-Nitrophenol	ND		ug/l	50	5.4	5
2,4-Dinitrophenol	ND		ug/l	100	7.0	5
4,6-Dinitro-o-cresol	ND		ug/l	50	6.8	5
Phenol	ND		ug/l	25	1.4	5
2-Methylphenol	ND		ug/l	25	3.5	5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	5
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	5
Benzoic Acid	ND		ug/l	250	5.0	5
Benzyl Alcohol	ND		ug/l	10	3.4	5
Carbazole	ND		ug/l	10	1.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	84		41-149

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 D
Client ID: DW-1
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/27/15 15:29
Analyst: KV

Date Collected: 05/20/15 13:30
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.64	10
2-Chloronaphthalene	ND		ug/l	2.0	0.66	10
Fluoranthene	1.1	J	ug/l	2.0	0.43	10
Hexachlorobutadiene	ND		ug/l	5.0	0.71	10
Naphthalene	ND		ug/l	2.0	0.64	10
Benzo(a)anthracene	ND		ug/l	2.0	0.57	10
Benzo(a)pyrene	ND		ug/l	2.0	0.69	10
Benzo(b)fluoranthene	ND		ug/l	2.0	0.71	10
Benzo(k)fluoranthene	ND		ug/l	2.0	0.68	10
Chrysene	0.67	J	ug/l	2.0	0.49	10
Acenaphthylene	ND		ug/l	2.0	0.50	10
Anthracene	ND		ug/l	2.0	0.63	10
Benzo(ghi)perylene	ND		ug/l	2.0	0.70	10
Fluorene	ND		ug/l	2.0	0.57	10
Phenanthrene	1.4	J	ug/l	2.0	0.64	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.73	10
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.79	10
Pyrene	1.6	J	ug/l	2.0	0.57	10
2-Methylnaphthalene	0.99	J	ug/l	2.0	0.60	10
Pentachlorophenol	ND		ug/l	8.0	1.9	10
Hexachlorobenzene	ND		ug/l	8.0	0.14	10
Hexachloroethane	ND		ug/l	8.0	0.65	10

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01 D Date Collected: 05/20/15 13:30

Client ID: DW-1 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	111		41-149

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 D
Client ID: DW-2
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/27/15 22:32
Analyst: JB

Date Collected: 05/20/15 14:00
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	25	1.0	5
Bis(2-chloroethyl)ether	ND		ug/l	9.9	2.0	5
1,2-Dichlorobenzene	ND		ug/l	9.9	1.5	5
1,3-Dichlorobenzene	ND		ug/l	9.9	1.7	5
1,4-Dichlorobenzene	ND		ug/l	9.9	1.6	5
3,3'-Dichlorobenzidine	ND		ug/l	25	2.4	5
2,4-Dinitrotoluene	ND		ug/l	25	5.2	5
2,6-Dinitrotoluene	ND		ug/l	25	4.4	5
4-Chlorophenyl phenyl ether	ND		ug/l	9.9	1.8	5
4-Bromophenyl phenyl ether	ND		ug/l	9.9	2.1	5
Bis(2-chloroisopropyl)ether	ND		ug/l	9.9	3.0	5
Bis(2-chloroethoxy)methane	ND		ug/l	25	2.9	5
Hexachlorocyclopentadiene	ND		ug/l	99	2.9	5
Isophorone	ND		ug/l	25	3.9	5
Nitrobenzene	ND		ug/l	9.9	2.0	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	9.9	1.7	5
n-Nitrosodi-n-propylamine	ND		ug/l	25	3.2	5
Bis(2-Ethylhexyl)phthalate	120		ug/l	15	4.6	5
Butyl benzyl phthalate	ND		ug/l	25	5.6	5
Di-n-butylphthalate	ND		ug/l	25	3.8	5
Di-n-octylphthalate	ND		ug/l	25	5.9	5
Diethyl phthalate	ND		ug/l	25	1.9	5
Dimethyl phthalate	ND		ug/l	25	1.6	5
Biphenyl	2.7	J	ug/l	9.9	1.2	5
4-Chloroaniline	ND		ug/l	25	4.1	5
2-Nitroaniline	ND		ug/l	25	4.7	5
3-Nitroaniline	ND		ug/l	25	3.3	5
4-Nitroaniline	ND		ug/l	25	4.1	5
Dibenzofuran	ND		ug/l	9.9	1.1	5
1,2,4,5-Tetrachlorobenzene	ND		ug/l	49	1.8	5

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 D Date Collected: 05/20/15 14:00

Client ID: DW-2 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	25	2.1	5
2,4,6-Trichlorophenol	ND		ug/l	25	3.8	5
P-Chloro-M-Cresol	ND		ug/l	9.9	2.7	5
2-Chlorophenol	ND		ug/l	9.9	2.9	5
2,4-Dichlorophenol	ND		ug/l	25	2.8	5
2,4-Dimethylphenol	ND		ug/l	25	2.8	5
2-Nitrophenol	ND		ug/l	49	5.2	5
4-Nitrophenol	ND		ug/l	49	5.4	5
2,4-Dinitrophenol	ND		ug/l	99	7.0	5
4,6-Dinitro-o-cresol	ND		ug/l	49	6.7	5
Phenol	14	J	ug/l	25	1.3	5
2-Methylphenol	ND		ug/l	25	3.5	5
3-Methylphenol/4-Methylphenol	17	J	ug/l	25	3.6	5
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	5
Benzoic Acid	290		ug/l	250	5.0	5
Benzyl Alcohol	ND		ug/l	9.9	3.3	5
Carbazole	ND		ug/l	9.9	1.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	66		41-149

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 D
Client ID: DW-2
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/27/15 19:44
Analyst: KV

Date Collected: 05/20/15 14:00
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	7.9	2.5	40
2-Chloronaphthalene	ND		ug/l	7.9	2.6	40
Fluoranthene	5.8	J	ug/l	7.9	1.7	40
Hexachlorobutadiene	ND		ug/l	20	2.8	40
Naphthalene	59		ug/l	7.9	2.5	40
Benzo(a)anthracene	ND		ug/l	7.9	2.2	40
Benzo(a)pyrene	ND		ug/l	7.9	2.7	40
Benzo(b)fluoranthene	ND		ug/l	7.9	2.8	40
Benzo(k)fluoranthene	ND		ug/l	7.9	2.7	40
Chrysene	ND		ug/l	7.9	1.9	40
Acenaphthylene	ND		ug/l	7.9	2.0	40
Anthracene	4.1	J	ug/l	7.9	2.5	40
Benzo(ghi)perylene	ND		ug/l	7.9	2.8	40
Fluorene	ND		ug/l	7.9	2.2	40
Phenanthrene	14		ug/l	7.9	2.5	40
Dibenzo(a,h)anthracene	ND		ug/l	7.9	2.9	40
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.9	3.1	40
Pyrene	12		ug/l	7.9	2.2	40
2-Methylnaphthalene	280		ug/l	7.9	2.4	40
Pentachlorophenol	ND		ug/l	32	7.4	40
Hexachlorobenzene	ND		ug/l	32	0.55	40
Hexachloroethane	ND		ug/l	32	2.6	40

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02 D Date Collected: 05/20/15 14:00

Client ID: DW-2 Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	21-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	15-120
2,4,6-Tribromophenol	**0**	Q	10-120
4-Terphenyl-d14	**0**	Q	41-149

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-04	D2	Date Collected:	05/20/15 08:15
Client ID:	SB-5 (0.5'-2.5')		Date Received:	05/20/15
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	05/25/15 09:28
Analytical Date:	05/28/15 15:29			
Analyst:	RC			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Butyl benzyl phthalate	38000		ug/kg	1800	350	10

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04 D
Client ID: SB-5 (0.5'-2.5')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/28/15 13:56
Analyst: RC
Percent Solids: 92%

Date Collected: 05/20/15 08:15
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/25/15 09:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	92	J	ug/kg	280	73.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	94.	2
2,4-Dinitrotoluene	ND		ug/kg	360	77.	2
2,6-Dinitrotoluene	ND		ug/kg	360	91.	2
Fluoranthene	1700		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	65.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	170	J	ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	85.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	75.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	100	2
Bis(2-Ethylhexyl)phthalate	1500		ug/kg	360	93.	2
Butyl benzyl phthalate	42000	E	ug/kg	360	69.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	87.	2
Diethyl phthalate	ND		ug/kg	360	75.	2
Dimethyl phthalate	ND		ug/kg	360	90.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04 D Date Collected: 05/20/15 08:15
Client ID: SB-5 (0.5'-2.5') Date Received: 05/20/15
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	800		ug/kg	210	70.	2
Benzo(a)pyrene	920		ug/kg	280	87.	2
Benzo(b)fluoranthene	1300		ug/kg	210	72.	2
Benzo(k)fluoranthene	500		ug/kg	210	68.	2
Chrysene	890		ug/kg	210	70.	2
Acenaphthylene	ND		ug/kg	280	66.	2
Anthracene	240		ug/kg	210	59.	2
Benzo(ghi)perylene	660		ug/kg	280	74.	2
Fluorene	110	J	ug/kg	360	100	2
Phenanthrene	800		ug/kg	210	70.	2
Dibenzo(a,h)anthracene	140	J	ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	690		ug/kg	280	79.	2
Pyrene	1400		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	360	94.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	98.	2
4-Nitroaniline	ND		ug/kg	360	96.	2
Dibenzofuran	ND		ug/kg	360	120	2
2-Methylnaphthalene	330	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	100	2
2-Nitrophenol	ND		ug/kg	770	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	360	100	2
2-Methylphenol	ND		ug/kg	360	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	150	J	ug/kg	360	76.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04 D Date Collected: 05/20/15 08:15

Client ID: SB-5 (0.5'-2.5') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05 D
Client ID: SB-5 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/28/15 15:55
Analyst: RC
Percent Solids: 84%

Date Collected: 05/20/15 08:20
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/25/15 09:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	420		ug/kg	310	79.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	130	2
Hexachlorobenzene	ND		ug/kg	230	72.	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	130	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	83.	2
2,6-Dinitrotoluene	ND		ug/kg	380	98.	2
Fluoranthene	5400		ug/kg	230	71.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	88.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	140	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	250	2
Hexachloroethane	ND		ug/kg	310	70.	2
Isophorone	ND		ug/kg	350	100	2
Naphthalene	520		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	350	92.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	310	81.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	75.	2
Di-n-butylphthalate	ND		ug/kg	380	74.	2
Di-n-octylphthalate	ND		ug/kg	380	95.	2
Diethyl phthalate	ND		ug/kg	380	81.	2
Dimethyl phthalate	ND		ug/kg	380	98.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05 D Date Collected: 05/20/15 08:20

Client ID: SB-5 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	2100		ug/kg	230	75.	2
Benzo(a)pyrene	1900		ug/kg	310	94.	2
Benzo(b)fluoranthene	2600		ug/kg	230	78.	2
Benzo(k)fluoranthene	920		ug/kg	230	73.	2
Chrysene	2300		ug/kg	230	76.	2
Acenaphthylene	200	J	ug/kg	310	72.	2
Anthracene	1000		ug/kg	230	64.	2
Benzo(ghi)perylene	1200		ug/kg	310	80.	2
Fluorene	630		ug/kg	380	110	2
Phenanthrene	5400		ug/kg	230	75.	2
Dibenzo(a,h)anthracene	300		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	310	86.	2
Pyrene	4500		ug/kg	230	75.	2
Biphenyl	ND		ug/kg	880	130	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	110	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	420		ug/kg	380	130	2
2-Methylnaphthalene	250	J	ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	73.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	120	2
2,4-Dichlorophenol	ND		ug/kg	350	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	830	120	2
4-Nitrophenol	ND		ug/kg	540	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	530	2
4,6-Dinitro-o-cresol	ND		ug/kg	1000	140	2
Pentachlorophenol	ND		ug/kg	310	82.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	130	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	390	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	530		ug/kg	380	83.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05 D Date Collected: 05/20/15 08:20

Client ID: SB-5 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	75		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06 D
Client ID: SB-6 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/27/15 22:51
Analyst: AS
Percent Solids: 88%

Date Collected: 05/20/15 08:50
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	77.	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	120	2
Hexachlorobenzene	ND		ug/kg	220	70.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	100	2
2-Chloronaphthalene	ND		ug/kg	370	120	2
1,2-Dichlorobenzene	ND		ug/kg	370	120	2
1,3-Dichlorobenzene	ND		ug/kg	370	120	2
1,4-Dichlorobenzene	ND		ug/kg	370	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	100	2
2,4-Dinitrotoluene	ND		ug/kg	370	81.	2
2,6-Dinitrotoluene	ND		ug/kg	370	96.	2
Fluoranthene	450		ug/kg	220	69.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	86.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	110	2
Hexachlorobutadiene	ND		ug/kg	370	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	68.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	ND		ug/kg	370	120	2
Nitrobenzene	ND		ug/kg	340	89.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	79.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	110	2
Bis(2-Ethylhexyl)phthalate	6200		ug/kg	370	98.	2
Butyl benzyl phthalate	1100		ug/kg	370	73.	2
Di-n-butylphthalate	84	J	ug/kg	370	72.	2
Di-n-octylphthalate	ND		ug/kg	370	92.	2
Diethyl phthalate	ND		ug/kg	370	79.	2
Dimethyl phthalate	ND		ug/kg	370	95.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06 D Date Collected: 05/20/15 08:50
Client ID: SB-6 (1'-3') Date Received: 05/20/15
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	280		ug/kg	220	73.	2
Benzo(a)pyrene	410		ug/kg	300	92.	2
Benzo(b)fluoranthene	620		ug/kg	220	76.	2
Benzo(k)fluoranthene	190	J	ug/kg	220	71.	2
Chrysene	360		ug/kg	220	74.	2
Acenaphthylene	82	J	ug/kg	300	70.	2
Anthracene	120	J	ug/kg	220	62.	2
Benzo(ghi)perylene	530		ug/kg	300	78.	2
Fluorene	ND		ug/kg	370	110	2
Phenanthrene	210	J	ug/kg	220	73.	2
Dibenzo(a,h)anthracene	94	J	ug/kg	220	72.	2
Indeno(1,2,3-cd)Pyrene	470		ug/kg	300	83.	2
Pyrene	460		ug/kg	220	73.	2
Biphenyl	ND		ug/kg	850	120	2
4-Chloroaniline	ND		ug/kg	370	99.	2
2-Nitroaniline	ND		ug/kg	370	100	2
3-Nitroaniline	ND		ug/kg	370	100	2
4-Nitroaniline	ND		ug/kg	370	100	2
Dibenzofuran	ND		ug/kg	370	120	2
2-Methylnaphthalene	ND		ug/kg	450	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	120	2
Acetophenone	ND		ug/kg	370	120	2
2,4,6-Trichlorophenol	ND		ug/kg	220	71.	2
P-Chloro-M-Cresol	ND		ug/kg	370	110	2
2-Chlorophenol	ND		ug/kg	370	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	370	110	2
2-Nitrophenol	ND		ug/kg	810	120	2
4-Nitrophenol	ND		ug/kg	520	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	510	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	140	2
Pentachlorophenol	ND		ug/kg	300	80.	2
Phenol	ND		ug/kg	370	110	2
2-Methylphenol	ND		ug/kg	370	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	120	2
2,4,5-Trichlorophenol	ND		ug/kg	370	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	120	2
Carbazole	ND		ug/kg	370	80.	2

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06 D Date Collected: 05/20/15 08:50

Client ID: SB-6 (1'-3') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	63		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07
Client ID: SB-6 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/27/15 23:17
Analyst: AS
Percent Solids: 85%

Date Collected: 05/20/15 08:55
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	650		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	7000		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	200		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07 Date Collected: 05/20/15 08:55

Client ID: SB-6 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	3000		ug/kg	110	37.	1
Benzo(a)pyrene	2600		ug/kg	150	46.	1
Benzo(b)fluoranthene	3200		ug/kg	110	38.	1
Benzo(k)fluoranthene	1300		ug/kg	110	36.	1
Chrysene	2900		ug/kg	110	37.	1
Acenaphthylene	130	J	ug/kg	150	36.	1
Anthracene	1800		ug/kg	110	32.	1
Benzo(ghi)perylene	1400		ug/kg	150	40.	1
Fluorene	760		ug/kg	190	54.	1
Phenanthrene	6500		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	370		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	1600		ug/kg	150	42.	1
Pyrene	5900		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	380		ug/kg	190	63.	1
2-Methylnaphthalene	200	J	ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	450		ug/kg	190	41.	1

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07 Date Collected: 05/20/15 08:55

Client ID: SB-6 (8'-10') Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	77		18-120

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08
Client ID: DW-4-SED
Sample Location: BROOKLYN, NY
Matrix: Sediment
Analytical Method: 1,8270D
Analytical Date: 05/27/15 23:43
Analyst: AS
Percent Solids: 61%

Date Collected: 05/20/15 13:00
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1700	450	8
1,2,4-Trichlorobenzene	ND		ug/kg	2200	710	8
Hexachlorobenzene	ND		ug/kg	1300	400	8
Bis(2-chloroethyl)ether	ND		ug/kg	2000	610	8
2-Chloronaphthalene	ND		ug/kg	2200	710	8
1,2-Dichlorobenzene	ND		ug/kg	2200	710	8
1,3-Dichlorobenzene	ND		ug/kg	2200	680	8
1,4-Dichlorobenzene	ND		ug/kg	2200	660	8
3,3'-Dichlorobenzidine	ND		ug/kg	2200	580	8
2,4-Dinitrotoluene	ND		ug/kg	2200	470	8
2,6-Dinitrotoluene	ND		ug/kg	2200	560	8
Fluoranthene	1000	J	ug/kg	1300	400	8
4-Chlorophenyl phenyl ether	ND		ug/kg	2200	660	8
4-Bromophenyl phenyl ether	ND		ug/kg	2200	500	8
Bis(2-chloroisopropyl)ether	ND		ug/kg	2600	760	8
Bis(2-chloroethoxy)methane	ND		ug/kg	2300	660	8
Hexachlorobutadiene	ND		ug/kg	2200	610	8
Hexachlorocyclopentadiene	ND		ug/kg	6200	1400	8
Hexachloroethane	ND		ug/kg	1700	400	8
Isophorone	ND		ug/kg	2000	580	8
Naphthalene	1600	J	ug/kg	2200	720	8
Nitrobenzene	ND		ug/kg	2000	520	8
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1700	460	8
n-Nitrosodi-n-propylamine	ND		ug/kg	2200	650	8
Bis(2-Ethylhexyl)phthalate	58000		ug/kg	2200	570	8
Butyl benzyl phthalate	ND		ug/kg	2200	420	8
Di-n-butylphthalate	ND		ug/kg	2200	420	8
Di-n-octylphthalate	ND		ug/kg	2200	530	8
Diethyl phthalate	ND		ug/kg	2200	460	8
Dimethyl phthalate	650	J	ug/kg	2200	550	8

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08 Date Collected: 05/20/15 13:00

Client ID: DW-4-SED Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	560	J	ug/kg	1300	420	8
Benzo(a)pyrene	ND		ug/kg	1700	530	8
Benzo(b)fluoranthene	ND		ug/kg	1300	440	8
Benzo(k)fluoranthene	ND		ug/kg	1300	410	8
Chrysene	590	J	ug/kg	1300	430	8
Acenaphthylene	ND		ug/kg	1700	410	8
Anthracene	370	J	ug/kg	1300	360	8
Benzo(ghi)perylene	ND		ug/kg	1700	450	8
Fluorene	ND		ug/kg	2200	620	8
Phenanthrene	770	J	ug/kg	1300	420	8
Dibenzo(a,h)anthracene	ND		ug/kg	1300	420	8
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	1700	480	8
Pyrene	2700		ug/kg	1300	420	8
Biphenyl	ND		ug/kg	5000	720	8
4-Chloroaniline	ND		ug/kg	2200	570	8
2-Nitroaniline	ND		ug/kg	2200	610	8
3-Nitroaniline	ND		ug/kg	2200	600	8
4-Nitroaniline	ND		ug/kg	2200	590	8
Dibenzofuran	ND		ug/kg	2200	720	8
2-Methylnaphthalene	3000		ug/kg	2600	690	8
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2200	670	8
Acetophenone	ND		ug/kg	2200	670	8
2,4,6-Trichlorophenol	ND		ug/kg	1300	410	8
P-Chloro-M-Cresol	ND		ug/kg	2200	630	8
2-Chlorophenol	ND		ug/kg	2200	660	8
2,4-Dichlorophenol	ND		ug/kg	2000	700	8
2,4-Dimethylphenol	ND		ug/kg	2200	650	8
2-Nitrophenol	ND		ug/kg	4700	680	8
4-Nitrophenol	ND		ug/kg	3000	700	8
2,4-Dinitrophenol	ND		ug/kg	10000	3000	8
4,6-Dinitro-o-cresol	ND		ug/kg	5600	800	8
Pentachlorophenol	ND		ug/kg	1700	460	8
Phenol	ND		ug/kg	2200	640	8
2-Methylphenol	ND		ug/kg	2200	700	8
3-Methylphenol/4-Methylphenol	ND		ug/kg	3100	710	8
2,4,5-Trichlorophenol	ND		ug/kg	2200	700	8
Benzoic Acid	ND		ug/kg	7000	2200	8
Benzyl Alcohol	ND		ug/kg	2200	670	8
Carbazole	ND		ug/kg	2200	470	8

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08 Date Collected: 05/20/15 13:00

Client ID: DW-4-SED Date Received: 05/20/15

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	46		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	43		10-136
4-Terphenyl-d14	84		18-120

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 11:40
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG787641-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	1.9	J	ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 11:40
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG787641-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 11:40
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG787641-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Atrazine	ND		ug/l	10	0.79

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	78		41-149

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/15 15:08
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG787642-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/25/15 15:08
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 08:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG787642-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	71		41-149

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/27/15 18:36
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG787763-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/27/15 18:36
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG787763-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/27/15 18:36
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 05/24/15 02:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG787763-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	82		18-120

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 10:08
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/25/15 09:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG787825-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 10:08
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/25/15 09:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG787825-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/26/15 10:08
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/25/15 09:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG787825-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	69		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG787641-2 WG787641-3								
Acenaphthene	62		67		37-111	8		30
1,2,4-Trichlorobenzene	44		49		39-98	11		30
Hexachlorobenzene	70		74		40-140	6		30
Bis(2-chloroethyl)ether	67		74		40-140	10		30
2-Chloronaphthalene	58		63		40-140	8		30
1,2-Dichlorobenzene	56		60		40-140	7		30
1,3-Dichlorobenzene	53		58		40-140	9		30
1,4-Dichlorobenzene	55		56		36-97	2		30
3,3'-Dichlorobenzidine	73		81		40-140	10		30
2,4-Dinitrotoluene	68		74		24-96	8		30
2,6-Dinitrotoluene	67		71		40-140	6		30
Fluoranthene	74		79		40-140	7		30
4-Chlorophenyl phenyl ether	68		72		40-140	6		30
4-Bromophenyl phenyl ether	70		73		40-140	4		30
Bis(2-chloroisopropyl)ether	67		73		40-140	9		30
Bis(2-chloroethoxy)methane	74		80		40-140	8		30
Hexachlorobutadiene	46		48		40-140	4		30
Hexachlorocyclopentadiene	**30**	Q	**34**	Q	40-140	13		30
Hexachloroethane	49		53		40-140	8		30
Isophorone	76		84		40-140	10		30
Naphthalene	53		57		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG787641-2 WG787641-3								
Nitrobenzene	58		63		40-140	8		30
NitrosoDiPhenylAmine(NDPA)/DPA	66		72		40-140	9		30
n-Nitrosodi-n-propylamine	74		82		29-132	10		30
Bis(2-Ethylhexyl)phthalate	81		84		40-140	4		30
Butyl benzyl phthalate	79		83		40-140	5		30
Di-n-butylphthalate	78		81		40-140	4		30
Di-n-octylphthalate	82		86		40-140	5		30
Diethyl phthalate	71		74		40-140	4		30
Dimethyl phthalate	69		73		40-140	6		30
Benzo(a)anthracene	73		78		40-140	7		30
Benzo(a)pyrene	78		85		40-140	9		30
Benzo(b)fluoranthene	81		85		40-140	5		30
Benzo(k)fluoranthene	80		86		40-140	7		30
Chrysene	70		77		40-140	10		30
Acenaphthylene	62		68		45-123	9		30
Anthracene	71		77		40-140	8		30
Benzo(ghi)perylene	84		88		40-140	5		30
Fluorene	67		72		40-140	7		30
Phenanthrene	72		77		40-140	7		30
Dibenzo(a,h)anthracene	83		88		40-140	6		30
Indeno(1,2,3-cd)Pyrene	83		88		40-140	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG787641-2 WG787641-3								
Pyrene	73		79		26-127	8		30
Biphenyl	62		65		54-104	5		30
4-Chloroaniline	43		49		40-140	13		30
2-Nitroaniline	66		73		52-143	10		30
3-Nitroaniline	50		56		25-145	11		30
4-Nitroaniline	64		68		51-143	6		30
Dibenzofuran	65		70		40-140	7		30
2-Methylnaphthalene	54		59		40-140	9		30
1,2,4,5-Tetrachlorobenzene	56		60		2-134	7		30
Acetophenone	77		86		39-129	11		30
2,4,6-Trichlorophenol	67		72		30-130	7		30
P-Chloro-M-Cresol	66		72		23-97	9		30
2-Chlorophenol	67		73		27-123	9		30
2,4-Dichlorophenol	61		67		30-130	9		30
2,4-Dimethylphenol	56		86		30-130	**42**	Q	30
2-Nitrophenol	71		79		30-130	11		30
4-Nitrophenol	42		49		10-80	15		30
2,4-Dinitrophenol	55		64		20-130	15		30
4,6-Dinitro-o-cresol	66		70		20-164	6		30
Pentachlorophenol	61		77		9-103	23		30
Phenol	33		38		12-110	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG787641-2 WG787641-3								
2-Methylphenol	58		72		30-130	22		30
3-Methylphenol/4-Methylphenol	61		69		30-130	12		30
2,4,5-Trichlorophenol	69		75		30-130	8		30
Benzoic Acid	**2**	Q	**4**	Q	10-110	**53**	Q	30
Benzyl Alcohol	61		72		15-110	17		30
Carbazole	69		75		55-144	8		30
Atrazine	76		80		40-140	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		47		21-120
Phenol-d6	32		35		10-120
Nitrobenzene-d5	71		80		23-120
2-Fluorobiphenyl	62		66		15-120
2,4,6-Tribromophenol	69		75		10-120
4-Terphenyl-d14	73		78		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG787642-2 WG787642-3								
Acenaphthene	78		79		37-111	1		40
2-Chloronaphthalene	79		79		40-140	0		40
Fluoranthene	90		95		40-140	5		40
Hexachlorobutadiene	66		64		40-140	3		40
Naphthalene	78		76		40-140	3		40
Benzo(a)anthracene	93		99		40-140	6		40
Benzo(a)pyrene	80		85		40-140	6		40
Benzo(b)fluoranthene	96		101		40-140	5		40
Benzo(k)fluoranthene	90		94		40-140	4		40
Chrysene	83		88		40-140	6		40
Acenaphthylene	80		82		40-140	2		40
Anthracene	85		91		40-140	7		40
Benzo(ghi)perylene	87		92		40-140	6		40
Fluorene	84		87		40-140	4		40
Phenanthrene	80		84		40-140	5		40
Dibenzo(a,h)anthracene	88		93		40-140	6		40
Indeno(1,2,3-cd)Pyrene	90		95		40-140	5		40
Pyrene	88		93		26-127	6		40
2-Methylnaphthalene	85		84		40-140	1		40
Pentachlorophenol	81		87		9-103	7		40
Hexachlorobenzene	79		84		40-140	6		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG787642-2 WG787642-3								
Hexachloroethane	78		71		40-140	9		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		48		21-120
Phenol-d6	36		35		10-120
Nitrobenzene-d5	84		80		23-120
2-Fluorobiphenyl	78		78		15-120
2,4,6-Tribromophenol	90		94		10-120
4-Terphenyl-d14	76		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG787763-2 WG787763-3								
Acenaphthene	90		97		31-137	7		50
1,2,4-Trichlorobenzene	81		79		38-107	3		50
Hexachlorobenzene	84		92		40-140	9		50
Bis(2-chloroethyl)ether	86		87		40-140	1		50
2-Chloronaphthalene	93		96		40-140	3		50
1,2-Dichlorobenzene	81		74		40-140	9		50
1,3-Dichlorobenzene	80		71		40-140	12		50
1,4-Dichlorobenzene	80		72		28-104	11		50
3,3'-Dichlorobenzidine	68		91		40-140	29		50
2,4-Dinitrotoluene	**98**	Q	**108**	Q	28-89	10		50
2,6-Dinitrotoluene	96		103		40-140	7		50
Fluoranthene	96		106		40-140	10		50
4-Chlorophenyl phenyl ether	90		98		40-140	9		50
4-Bromophenyl phenyl ether	88		98		40-140	11		50
Bis(2-chloroisopropyl)ether	97		96		40-140	1		50
Bis(2-chloroethoxy)methane	95		99		40-117	4		50
Hexachlorobutadiene	79		79		40-140	0		50
Hexachlorocyclopentadiene	86		90		40-140	5		50
Hexachloroethane	84		76		40-140	10		50
Isophorone	97		103		40-140	6		50
Naphthalene	87		88		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG787763-2 WG787763-3								
Nitrobenzene	88		88		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	95		107		36-157	12		50
n-Nitrosodi-n-propylamine	94		95		32-121	1		50
Bis(2-Ethylhexyl)phthalate	111		124		40-140	11		50
Butyl benzyl phthalate	103		114		40-140	10		50
Di-n-butylphthalate	99		110		40-140	11		50
Di-n-octylphthalate	113		126		40-140	11		50
Diethyl phthalate	93		103		40-140	10		50
Dimethyl phthalate	90		97		40-140	7		50
Benzo(a)anthracene	97		110		40-140	13		50
Benzo(a)pyrene	98		111		40-140	12		50
Benzo(b)fluoranthene	99		109		40-140	10		50
Benzo(k)fluoranthene	97		110		40-140	13		50
Chrysene	96		105		40-140	9		50
Acenaphthylene	94		102		40-140	8		50
Anthracene	96		107		40-140	11		50
Benzo(ghi)perylene	98		108		40-140	10		50
Fluorene	93		102		40-140	9		50
Phenanthrene	93		103		40-140	10		50
Dibenzo(a,h)anthracene	97		107		40-140	10		50
Indeno(1,2,3-cd)Pyrene	98		108		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG787763-2 WG787763-3								
Pyrene	96		106		35-142	10		50
Biphenyl	86		91		54-104	6		50
4-Chloroaniline	76		108		40-140	35		50
2-Nitroaniline	97		108		47-134	11		50
3-Nitroaniline	37		85		26-129	**79**	Q	50
4-Nitroaniline	92		104		41-125	12		50
Dibenzofuran	92		101		40-140	9		50
2-Methylnaphthalene	89		92		40-140	3		50
1,2,4,5-Tetrachlorobenzene	80		84		40-117	5		50
Acetophenone	92		93		14-144	1		50
2,4,6-Trichlorophenol	93		102		30-130	9		50
P-Chloro-M-Cresol	98		**107**	Q	26-103	9		50
2-Chlorophenol	90		91		25-102	1		50
2,4-Dichlorophenol	91		96		30-130	5		50
2,4-Dimethylphenol	98		104		30-130	6		50
2-Nitrophenol	94		95		30-130	1		50
4-Nitrophenol	**120**	Q	**123**	Q	11-114	2		50
2,4-Dinitrophenol	78		82		4-130	5		50
4,6-Dinitro-o-cresol	95		103		10-130	8		50
Pentachlorophenol	92		103		17-109	11		50
Phenol	**98**	Q	**105**	Q	26-90	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG787763-2 WG787763-3								
2-Methylphenol	95		96		30-130.	1		50
3-Methylphenol/4-Methylphenol	100		104		30-130	4		50
2,4,5-Trichlorophenol	96		102		30-130	6		50
Benzoic Acid	26		26		10-66	0		50
Benzyl Alcohol	95		99		40-140	4		50
Carbazole	96		105		54-128	9		50
Caprolactam	97		111		15-130	13		50
Atrazine	75		104		40-140	32		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		84		25-120
Phenol-d6	94		98		10-120
Nitrobenzene-d5	87		87		23-120
2-Fluorobiphenyl	85		88		30-120
2,4,6-Tribromophenol	79		87		10-136
4-Terphenyl-d14	83		91		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG787825-2 WG787825-3								
Acenaphthene	54		58		31-137	7		50
1,2,4-Trichlorobenzene	46		48		38-107	4		50
Hexachlorobenzene	56		59		40-140	5		50
Bis(2-chloroethyl)ether	61		64		40-140	5		50
2-Chloronaphthalene	50		53		40-140	6		50
1,2-Dichlorobenzene	59		62		40-140	5		50
1,3-Dichlorobenzene	57		60		40-140	5		50
1,4-Dichlorobenzene	58		62		28-104	7		50
3,3'-Dichlorobenzidine	67		68		40-140	1		50
2,4-Dinitrotoluene	57		61		28-89	7		50
2,6-Dinitrotoluene	52		56		40-140	7		50
Fluoranthene	65		67		40-140	3		50
4-Chlorophenyl phenyl ether	56		59		40-140	5		50
4-Bromophenyl phenyl ether	56		60		40-140	7		50
Bis(2-chloroisopropyl)ether	58		62		40-140	7		50
Bis(2-chloroethoxy)methane	64		68		40-117	6		50
Hexachlorobutadiene	47		49		40-140	4		50
Hexachlorocyclopentadiene	60		62		40-140	3		50
Hexachloroethane	58		60		40-140	3		50
Isophorone	63		67		40-140	6		50
Naphthalene	48		51		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG787825-2 WG787825-3								
Nitrobenzene	44		47		40-140	7		50
NitrosoDiPhenylAmine(NDPA)/DPA	58		60		36-157	3		50
n-Nitrosodi-n-propylamine	61		64		32-121	5		50
Bis(2-Ethylhexyl)phthalate	73		78		40-140	7		50
Butyl benzyl phthalate	63		64		40-140	2		50
Di-n-butylphthalate	63		66		40-140	5		50
Di-n-octylphthalate	73		76		40-140	4		50
Diethyl phthalate	55		59		40-140	7		50
Dimethyl phthalate	58		61		40-140	5		50
Benzo(a)anthracene	70		74		40-140	6		50
Benzo(a)pyrene	76		81		40-140	6		50
Benzo(b)fluoranthene	72		77		40-140	7		50
Benzo(k)fluoranthene	78		83		40-140	6		50
Chrysene	70		72		40-140	3		50
Acenaphthylene	52		54		40-140	4		50
Anthracene	66		70		40-140	6		50
Benzo(ghi)perylene	80		81		40-140	1		50
Fluorene	56		59		40-140	5		50
Phenanthrene	64		66		40-140	3		50
Dibenzo(a,h)anthracene	80		81		40-140	1		50
Indeno(1,2,3-cd)Pyrene	81		80		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG787825-2 WG787825-3								
Pyrene	65		66		35-142	2		50
Biphenyl	55		58		54-104	5		50
4-Chloroaniline	48		49		40-140	2		50
2-Nitroaniline	52		55		47-134	6		50
3-Nitroaniline	58		62		26-129	7		50
4-Nitroaniline	56		56		41-125	0		50
Dibenzofuran	56		59		40-140	5		50
2-Methylnaphthalene	49		51		40-140	4		50
1,2,4,5-Tetrachlorobenzene	53		57		40-117	7		50
Acetophenone	62		66		14-144	6		50
2,4,6-Trichlorophenol	53		57		30-130	7		50
P-Chloro-M-Cresol	53		55		26-103	4		50
2-Chlorophenol	63		67		25-102	6		50
2,4-Dichlorophenol	53		55		30-130	4		50
2,4-Dimethylphenol	68		73		30-130	7		50
2-Nitrophenol	62		66		30-130	6		50
4-Nitrophenol	50		54		11-114	8		50
2,4-Dinitrophenol	18		12		4-130	40		50
4,6-Dinitro-o-cresol	50		48		10-130	4		50
Pentachlorophenol	64		65		17-109	2		50
Phenol	64		69		26-90	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG787825-2 WG787825-3								
2-Methylphenol	65		69		30-130.	6		50
3-Methylphenol/4-Methylphenol	67		72		30-130	7		50
2,4,5-Trichlorophenol	55		57		30-130	4		50
Benzoic Acid	**2**	Q	**1**	Q	10-66	32		50
Benzyl Alcohol	61		64		40-140	5		50
Carbazole	62		64		54-128	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		62		25-120
Phenol-d6	64		69		10-120
Nitrobenzene-d5	57		61		23-120
2-Fluorobiphenyl	50		53		30-120
2,4,6-Tribromophenol	67		71		10-136
4-Terphenyl-d14	63		66		18-120

PCBS

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-01	Date Collected:	05/20/15 13:30
Client ID:	DW-1	Date Received:	05/20/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	05/23/15 03:53
Analytical Date:	05/26/15 13:22	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	05/24/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	05/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02
Client ID: DW-2
Sample Location: BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/26/15 13:35
Analyst: JT

Date Collected: 05/20/15 14:00
Date Received: 05/20/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 05/23/15 03:53
Cleanup Method: EPA 3665A
Cleanup Date: 05/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-04	D	Date Collected:	05/20/15 08:15
Client ID:	SB-5 (0.5'-2.5')		Date Received:	05/20/15
Sample Location:	BROOKLYN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	05/23/15 06:35
Analytical Date:	05/27/15 16:57		Cleanup Method:	EPA 3665A
Analyst:	JT		Cleanup Date:	05/23/15
Percent Solids:	92%		Cleanup Method:	EPA 3660B
			Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	178	14.1	5	A
Aroclor 1221	ND		ug/kg	178	16.4	5	A
Aroclor 1232	ND		ug/kg	178	20.9	5	A
Aroclor 1242	ND		ug/kg	178	21.8	5	A
Aroclor 1248	ND		ug/kg	178	15.0	5	A
Aroclor 1254	93.7	J	ug/kg	178	14.7	5	B
Aroclor 1260	ND		ug/kg	178	13.6	5	A
Aroclor 1262	ND		ug/kg	178	8.85	5	A
Aroclor 1268	618		ug/kg	178	25.9	5	B
PCBs, Total	712	J	ug/kg	178	8.85	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	**211**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	**244**	Q	30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-05	Date Collected:	05/20/15 08:20
Client ID:	SB-5 (8'-10')	Date Received:	05/20/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 06:35
Analytical Date:	05/26/15 18:44	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	05/23/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.07	1	A
Aroclor 1221	ND		ug/kg	38.8	3.58	1	A
Aroclor 1232	ND		ug/kg	38.8	4.55	1	A
Aroclor 1242	ND		ug/kg	38.8	4.75	1	A
Aroclor 1248	ND		ug/kg	38.8	3.28	1	A
Aroclor 1254	ND		ug/kg	38.8	3.19	1	A
Aroclor 1260	ND		ug/kg	38.8	2.96	1	A
Aroclor 1262	ND		ug/kg	38.8	1.93	1	A
Aroclor 1268	ND		ug/kg	38.8	5.63	1	A
PCBs, Total	ND		ug/kg	38.8	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-06	Date Collected:	05/20/15 08:50
Client ID:	SB-6 (1'-3')	Date Received:	05/20/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 06:35
Analytical Date:	05/26/15 18:57	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	05/23/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	2.99	1	A
Aroclor 1221	ND		ug/kg	37.9	3.49	1	A
Aroclor 1232	ND		ug/kg	37.9	4.44	1	A
Aroclor 1242	ND		ug/kg	37.9	4.63	1	A
Aroclor 1248	ND		ug/kg	37.9	3.20	1	A
Aroclor 1254	44.5		ug/kg	37.9	3.11	1	A
Aroclor 1260	66.7		ug/kg	37.9	2.88	1	A
Aroclor 1262	ND		ug/kg	37.9	1.88	1	A
Aroclor 1268	54.2		ug/kg	37.9	5.49	1	A
PCBs, Total	165		ug/kg	37.9	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-07	Date Collected:	05/20/15 08:55
Client ID:	SB-6 (8'-10')	Date Received:	05/20/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/23/15 06:35
Analytical Date:	05/26/15 19:09	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	05/23/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.01	1	A
Aroclor 1221	ND		ug/kg	38.1	3.51	1	A
Aroclor 1232	ND		ug/kg	38.1	4.47	1	A
Aroclor 1242	ND		ug/kg	38.1	4.66	1	A
Aroclor 1248	ND		ug/kg	38.1	3.22	1	A
Aroclor 1254	ND		ug/kg	38.1	3.13	1	A
Aroclor 1260	ND		ug/kg	38.1	2.90	1	A
Aroclor 1262	ND		ug/kg	38.1	1.89	1	A
Aroclor 1268	ND		ug/kg	38.1	5.53	1	A
PCBs, Total	ND		ug/kg	38.1	1.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

SAMPLE RESULTS

Lab ID:	L1511058-08	Date Collected:	05/20/15 13:00
Client ID:	DW-4-SED	Date Received:	05/20/15
Sample Location:	BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Sediment	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	05/27/15 17:30
Analytical Date:	05/27/15 23:28	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	05/27/15
Percent Solids:	61%	Cleanup Method:	EPA 3660B
		Cleanup Date:	05/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	163	12.9	3	A
Aroclor 1221	ND		ug/kg	163	15.0	3	A
Aroclor 1232	ND		ug/kg	163	19.1	3	A
Aroclor 1242	ND		ug/kg	163	20.0	3	A
Aroclor 1248	ND		ug/kg	163	13.8	3	A
Aroclor 1254	ND		ug/kg	163	13.4	3	A
Aroclor 1260	ND		ug/kg	163	12.4	3	A
Aroclor 1262	ND		ug/kg	163	8.08	3	A
Aroclor 1268	ND		ug/kg	163	23.6	3	A
PCBs, Total	ND		ug/kg	163	8.08	3	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**12**	Q	30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/26/15 20:11
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 05/23/15 06:35
Cleanup Method: EPA 3665A
Cleanup Date: 05/23/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-07 Batch: WG787629-1						
Aroclor 1016	ND		ug/kg	31.7	2.50	A
Aroclor 1221	ND		ug/kg	31.7	2.92	A
Aroclor 1232	ND		ug/kg	31.7	3.71	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.67	A
Aroclor 1254	ND		ug/kg	31.7	2.60	A
Aroclor 1260	ND		ug/kg	31.7	2.41	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.59	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/26/15 14:12
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 05/23/15 03:53
Cleanup Method: EPA 3665A
Cleanup Date: 05/24/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG788369-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/27/15 23:40
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 05/27/15 17:30
Cleanup Method: EPA 3665A
Cleanup Date: 05/27/15
Cleanup Method: EPA 3660B
Cleanup Date: 05/27/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG788492-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.04	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.71	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.78	A
PCBs, Total	ND		ug/kg	32.9	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-07 Batch: WG787629-2 WG787629-3									
Aroclor 1016	52		51		40-140	2		50	A
Aroclor 1260	50		55		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		59		30-150	A
Decachlorobiphenyl	64		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		72		30-150	B
Decachlorobiphenyl	71		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG788369-2 WG788369-3									
Aroclor 1016	88		90		40-140	2		50	A
Aroclor 1260	85		90		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		54		30-150	B
Decachlorobiphenyl	71		74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	A
Decachlorobiphenyl	71		74		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG788492-2 WG788492-3									
Aroclor 1016	81		73		40-140	10		50	A
Aroclor 1260	73		71		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		66		30-150	A
Decachlorobiphenyl	86		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		61		30-150	B
Decachlorobiphenyl	74		77		30-150	B

METALS

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-01
Client ID: DW-1
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 05/20/15 13:30
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0389		mg/l	0.0005	0.0001	1	05/27/15 14:12	05/27/15 20:09	EPA 3005A	1,6020A	BM
Barium, Total	0.9946		mg/l	0.0100	0.0013	20	05/27/15 14:12	05/27/15 20:21	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0090		mg/l	0.0002	0.0001	1	05/27/15 14:12	05/27/15 20:09	EPA 3005A	1,6020A	BM
Chromium, Total	0.2480		mg/l	0.0010	0.0003	1	05/27/15 14:12	05/27/15 20:09	EPA 3005A	1,6020A	BM
Lead, Total	0.6414		mg/l	0.0200	0.0026	20	05/27/15 14:12	05/27/15 20:21	EPA 3005A	1,6020A	BM
Mercury, Total	0.00031		mg/l	0.00020	0.00006	1	05/22/15 14:00	05/22/15 21:45	EPA 7470A	1,7470A	AB
Selenium, Total	0.004	J	mg/l	0.005	0.001	1	05/27/15 14:12	05/27/15 20:09	EPA 3005A	1,6020A	BM
Silver, Total	0.0076		mg/l	0.0004	0.0001	1	05/27/15 14:12	05/27/15 20:09	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.00184		mg/l	0.00050	0.00012	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Barium, Dissolved	0.07157		mg/l	0.00050	0.00006	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Chromium, Dissolved	0.00092	J	mg/l	0.00100	0.00025	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Lead, Dissolved	0.00059	J	mg/l	0.00200	0.00012	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Mercury, Dissolved	0.00012	J	mg/l	0.00020	0.00006	1	05/21/15 15:32	05/22/15 17:13	EPA 7470A	1,7470A	AB
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	05/26/15 14:14	05/28/15 11:01	NA	1,6020A	KL

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-02
Client ID: DW-2
Sample Location: BROOKLYN, NY
Matrix: Water
Date Collected: 05/20/15 14:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0269		mg/l	0.0005	0.0001	1	05/27/15 14:12	05/27/15 20:24	EPA 3005A	1,6020A	BM
Barium, Total	0.8817		mg/l	0.0100	0.0013	20	05/27/15 14:12	05/27/15 20:49	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0095		mg/l	0.0002	0.0001	1	05/27/15 14:12	05/27/15 20:24	EPA 3005A	1,6020A	BM
Chromium, Total	0.2586		mg/l	0.0010	0.0003	1	05/27/15 14:12	05/27/15 20:24	EPA 3005A	1,6020A	BM
Lead, Total	0.9960		mg/l	0.0200	0.0026	20	05/27/15 14:12	05/27/15 20:49	EPA 3005A	1,6020A	BM
Mercury, Total	0.00081		mg/l	0.00020	0.00006	1	05/22/15 14:00	05/22/15 21:46	EPA 7470A	1,7470A	AB
Selenium, Total	0.005		mg/l	0.005	0.001	1	05/27/15 14:12	05/27/15 20:24	EPA 3005A	1,6020A	BM
Silver, Total	0.0078		mg/l	0.0004	0.0001	1	05/27/15 14:12	05/27/15 20:24	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.00176		mg/l	0.00050	0.00012	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Barium, Dissolved	0.05069		mg/l	0.00050	0.00006	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Cadmium, Dissolved	0.00005	J	mg/l	0.00020	0.00005	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Chromium, Dissolved	0.01371		mg/l	0.00100	0.00025	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Lead, Dissolved	0.00417		mg/l	0.00200	0.00012	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Mercury, Dissolved	0.00014	J	mg/l	0.00020	0.00006	1	05/21/15 15:32	05/22/15 17:22	EPA 7470A	1,7470A	AB
Selenium, Dissolved	0.00100	J	mg/l	0.00500	0.00100	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	05/26/15 14:14	05/28/15 11:16	NA	1,6020A	KL

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04
Client ID: SB-5 (0.5'-2.5')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 05/20/15 08:15
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.0		mg/kg	0.43	0.09	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Barium, Total	55		mg/kg	0.43	0.13	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Cadmium, Total	0.33	J	mg/kg	0.43	0.03	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.43	0.09	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Lead, Total	83		mg/kg	2.2	0.09	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Mercury, Total	0.20		mg/kg	0.07	0.02	1	05/23/15 08:18	05/26/15 18:51	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.87	0.13	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.43	0.09	1	05/21/15 11:46	05/22/15 17:33	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05
Client ID: SB-5 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 05/20/15 08:20
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.0		mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Barium, Total	8.7		mg/kg	0.45	0.13	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Cadmium, Total	0.06	J	mg/kg	0.45	0.03	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Chromium, Total	2.9		mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Lead, Total	5.2		mg/kg	2.2	0.09	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.08	0.02	1	05/23/15 08:18	05/26/15 19:02	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.90	0.13	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:37	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06
Client ID: SB-6 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 05/20/15 08:50
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	31		mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Barium, Total	81		mg/kg	0.45	0.13	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Cadmium, Total	1.3		mg/kg	0.45	0.03	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Chromium, Total	26		mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Lead, Total	670		mg/kg	2.2	0.09	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Mercury, Total	0.21		mg/kg	0.08	0.02	1	05/23/15 08:19	05/26/15 19:04	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.89	0.13	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH
Silver, Total	0.13	J	mg/kg	0.45	0.09	1	05/21/15 11:46	05/22/15 17:40	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07
Client ID: SB-6 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 05/20/15 08:55
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.8		mg/kg	0.47	0.09	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Barium, Total	570		mg/kg	0.47	0.14	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Cadmium, Total	0.15	J	mg/kg	0.47	0.03	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Chromium, Total	7.4		mg/kg	0.47	0.09	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Lead, Total	96		mg/kg	2.3	0.09	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	05/23/15 08:19	05/26/15 19:06	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.93	0.14	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.47	0.09	1	05/21/15 11:46	05/22/15 19:29	EPA 3050B	1,6010C	JH

Project Name: 2647 STILLWELL AVENUE
Lab Number: L1511058
Project Number: 12103
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08
Client ID: DW-4-SED
Sample Location: BROOKLYN, NY
Matrix: Sediment
Percent Solids: 61%

Date Collected: 05/20/15 13:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.4		mg/kg	1.3	0.26	2	05/23/15 10:34	05/26/15 20:16	EPA 3050B	1,6010C	TT
Barium, Total	150		mg/kg	0.64	0.19	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT
Cadmium, Total	1.5		mg/kg	0.64	0.05	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT
Chromium, Total	140		mg/kg	0.64	0.13	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT
Lead, Total	120		mg/kg	3.2	0.13	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT
Mercury, Total	0.08	J	mg/kg	0.11	0.02	1	05/23/15 08:19	05/26/15 19:08	EPA 7471B	1,7471B	DB
Selenium, Total	0.33	J	mg/kg	1.3	0.19	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT
Silver, Total	2.2		mg/kg	0.64	0.13	1	05/23/15 10:34	05/26/15 14:44	EPA 3050B	1,6010C	TT

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-07 Batch: WG787012-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	05/21/15 11:46	05/22/15 15:45	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG787093-1										
Mercury, Dissolved	0.00012	J	mg/l	0.00020	0.00006	1	05/21/15 15:32	05/22/15 17:10	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG787442-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/22/15 14:00	05/22/15 21:35	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-08 Batch: WG787604-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/23/15 08:18	05/26/15 18:48	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 08 Batch: WG787664-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	05/23/15 10:34	05/26/15 13:30	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG788040-1										
Arsenic, Dissolved	ND		mg/l	0.00050	0.00012	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Barium, Dissolved	0.00270		mg/l	0.00050	0.00006	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Chromium, Dissolved	0.00052	J	mg/l	0.00100	0.00025	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Lead, Dissolved	0.00156	J	mg/l	0.00200	0.00012	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL
Silver, Dissolved	0.00027	J	mg/l	0.00045	0.00007	1	05/26/15 14:14	05/28/15 11:29	1,6020A	KL

Project Name: 2647 STILLWELL AVENUE **Lab Number:** L1511058

Project Number: 12103 **Report Date:** 05/28/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: NA

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG788264-1										
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Chromium, Total	ND		mg/l	0.0010	0.0003	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM
Silver, Total	ND		mg/l	0.0004	0.0001	1	05/27/15 14:12	05/27/15 18:42	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-07 Batch: WG787012-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Cadmium, Total	90		-		83-117	-		
Chromium, Total	92		-		80-120	-		
Lead, Total	87		-		81-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	91		-		75-124	-		
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG787093-2								
Mercury, Dissolved	114		-		70-130	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG787442-2								
Mercury, Total	106		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG787604-2 SRM Lot Number: D088-540								
Mercury, Total	102		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 Batch: WG787664-2 SRM Lot Number: D088-540					
Arsenic, Total	105	-	79-121	-	
Barium, Total	94	-	83-117	-	
Cadmium, Total	96	-	83-117	-	
Chromium, Total	101	-	80-120	-	
Lead, Total	98	-	81-117	-	
Selenium, Total	102	-	78-122	-	
Silver, Total	100	-	75-124	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG788040-2					
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	117	-	80-120	-	
Chromium, Dissolved	104	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2647 STILLWELL AVENUE

Project Number: 12103

Lab Number: L1511058

Report Date: 05/28/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG788264-2					
Arsenic, Total	99	-	80-120	-	
Barium, Total	97	-	80-120	-	
Cadmium, Total	112	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Lead, Total	106	-	80-120	-	
Selenium, Total	97	-	80-120	-	
Silver, Total	91	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG787012-4 QC Sample: L1511032-01 Client ID: MS Sample												
Arsenic, Total	8.0	10.1	18	99		-	-		75-125	-		20
Barium, Total	95.	169	310	**127**	Q	-	-		75-125	-		20
Cadmium, Total	0.25J	4.3	4.6	107		-	-		75-125	-		20
Chromium, Total	16.	16.9	30	83		-	-		75-125	-		20
Lead, Total	230	43	300	**163**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.1	8.8	87		-	-		75-125	-		20
Silver, Total	ND	25.3	25	99		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG787093-4 QC Sample: L1511058-01 Client ID: DW-1												
Mercury, Dissolved	0.00012J	0.005	0.00450	90		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG787442-4 QC Sample: L1511005-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00358	**72**	Q	-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG787604-4 QC Sample: L1511058-04 Client ID: SB-5 (0.5'-2.5')												
Mercury, Total	0.20	0.151	0.34	93		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG787664-4 QC Sample: L1511401-21 Client ID: MS Sample										
Arsenic, Total	140	10.8	180	**372**	Q	-	-	75-125	-	20
Barium, Total	160	179	370	117		-	-	75-125	-	20
Cadmium, Total	9.2	4.58	13	83		-	-	75-125	-	20
Chromium, Total	34.	17.9	56	123		-	-	75-125	-	20
Lead, Total	2600	45.8	3000	**874**	Q	-	-	75-125	-	20
Selenium, Total	31.	10.8	52	**195**	Q	-	-	75-125	-	20
Silver, Total	29.	26.9	73	**163**	Q	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG788040-4 QC Sample: L1511058-01 Client ID: DW-1										
Arsenic, Dissolved	0.00184	0.12	0.1234	101		-	-	75-125	-	20
Barium, Dissolved	0.07157	2	1.993	96		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05710	112		-	-	75-125	-	20
Chromium, Dissolved	0.00092J	0.2	0.1950	98		-	-	75-125	-	20
Lead, Dissolved	0.00059J	0.51	0.5496	108		-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.126	105		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04778	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG788264-3 WG788264-4 QC Sample: L1510868-01 Client ID: MS Sample									
Arsenic, Total	ND	0.12	0.1159	96	0.1274	106	75-125	9	20
Barium, Total	0.1465	2	2.118	98	2.216	103	75-125	5	20
Cadmium, Total	ND	0.051	0.0570	112	0.0582	114	75-125	2	20
Chromium, Total	0.0009J	0.2	0.1978	99	0.1876	94	75-125	5	20
Lead, Total	ND	0.51	0.5542	109	0.5539	109	75-125	0	20
Selenium, Total	ND	0.12	0.126	105	0.131	109	75-125	4	20
Silver, Total	ND	0.05	0.0452	90	0.0443	89	75-125	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG787012-3 QC Sample: L1511032-01 Client ID: DUP Sample						
Arsenic, Total	8.0	9.4	mg/kg	16		20
Barium, Total	95.	110	mg/kg	15		20
Cadmium, Total	0.25J	0.40J	mg/kg	NC		20
Chromium, Total	16.	17	mg/kg	6		20
Lead, Total	230	360	mg/kg	**44**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG787093-3 QC Sample: L1511058-01 Client ID: DW-1						
Mercury, Dissolved	0.00012J	0.00012J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG787442-3 QC Sample: L1511005-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG787604-3 QC Sample: L1511058-04 Client ID: SB-5 (0.5'-2.5')						
Mercury, Total	0.20	0.16	mg/kg	**22**	Q	20
Total Metals - Westborough Lab Associated sample(s): 08 QC Batch ID: WG787664-3 QC Sample: L1511401-21 Client ID: DUP Sample						
Arsenic, Total	140	160	mg/kg	13		20
Lead, Total	2600	3000	mg/kg	14		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG788040-3 QC Sample: L1511058-01 Client ID: DW-1					
Arsenic, Dissolved	0.00184	0.00202	mg/l	9	20
Barium, Dissolved	0.07157	0.06859	mg/l	4	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00092J	0.00081J	mg/l	NC	20
Lead, Dissolved	0.00059J	0.00056J	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-04
Client ID: SB-5 (0.5'-2.5')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/20/15 08:15
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	05/21/15 15:17	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-05
Client ID: SB-5 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/20/15 08:20
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	05/21/15 15:17	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-06
Client ID: SB-6 (1'-3')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/20/15 08:50
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	05/21/15 15:17	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-07
Client ID: SB-6 (8'-10')
Sample Location: BROOKLYN, NY
Matrix: Soil
Date Collected: 05/20/15 08:55
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	05/21/15 15:17	30,2540G	SG

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103
Lab Number: L1511058
Report Date: 05/28/15

SAMPLE RESULTS

Lab ID: L1511058-08
Client ID: DW-4-SED
Sample Location: BROOKLYN, NY
Matrix: Sediment

Date Collected: 05/20/15 13:00
Date Received: 05/20/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.9		%	0.100	NA	1	-	05/22/15 19:43	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG787102-1 QC Sample: L1511032-01 Client ID: DUP Sample						
Solids, Total	92.8	93.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG787547-1 QC Sample: L1510498-06 Client ID: DUP Sample						
Solids, Total	85.4	86.5	%	1		20

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1511058-01A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-01B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-01C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-01D	Plastic 250ml unpreserved	A	7	2.3	Y	Absent	-
L1511058-01E	Plastic 250ml HNO3 preserved	A	<2	2.3	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1511058-01F	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1511058-01G	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1511058-01H	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511058-01I	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511058-01X	Plastic 120ml HNO3 preserved spl	A	<2	2.3	Y	Absent	SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1511058-02A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-02B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-02C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-02D	Plastic 250ml unpreserved	A	7	2.3	Y	Absent	-
L1511058-02E	Plastic 250ml HNO3 preserved	A	<2	2.3	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1511058-02F	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1511058-02G	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8082-1200ML(7)
L1511058-02H	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511058-02I	Amber 1000ml unpreserved	A	7	2.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 2647 STILLWELL AVENUE
Project Number: 12103

Lab Number: L1511058
Report Date: 05/28/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1511058-02X	Plastic 120ml HNO3 preserved spl	A	<2	2.3	Y	Absent	SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1511058-03A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-03B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-04A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-04B	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1511058-05A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-05B	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1511058-06A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-06B	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1511058-07A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-07B	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)
L1511058-08A	Vial Large Septa unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1511058-08B	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),HG-T(28),NYTCL-8082(14),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1511058
Project Number:	12103	**Report Date:**	05/28/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1511058
Project Number:	12103	**Report Date:**	05/28/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2647 STILLWELL AVENUE	**Lab Number:**	L1511058
Project Number:	12103	**Report Date:**	05/28/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd In Lab: 5/21/15 5/20/15

ALPHA Job #: L1511058

Client Information

Client: AKRF, Inc
Address: 440 Park Ave South 7th Fl
New York, NY 10016
Phone: 646-388-9854
Fax: 212-726-0942
Email: dkapson@akrf.com

Project Information

Project Name: 2647 Stillwell Avenue
Project Location: Brooklyn, NY
Project #: 12103
(Use Project name as Project #) ☐
Project Manager: Dustin Kapson
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☒ Lab to do - for metals
Preservation
☒ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	RCRA 8 Metals (Total and Dissolved)	PCB 8082	Sample Specific Comments	Total Bottles
11058-01	DW-1	5/20/15	13:30	water	SG	X	X	X	X		9
-02	DW-2	5/20/15	14:00	↓	SG	X	X	X	X		9
-03	TB-052015	5/20/15	NA	↓	NA	X					2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	P	A			
Preservative	B	A	C/A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
	5/20/15 @ 14:20		5/20/15 1452
	5/20/15 1830		5/20/15 1830
	5/21/15 0125		5/21/15 0125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 5/21/15

ALPHA Job #: L1511058

Client Information

Client: AKRF, Inc
Address: 440 Park Ave South 7th Fl
New York, NY 10016
Phone: 646-388-9854
Fax: 212-726-0942
Email: dkapson@akrf.com

Project Information

Project Name: 2647 Stillwell Avenue
Project Location: Brooklyn, NY
Project #: 12103
(Use Project name as Project #) ☐
Project Manager: Dustin Kapson
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	RCRA 8 Metals	PCB 8082	Sample Specific Comments	Total Bottles
-04	SB-5 (0.5'-2.5')	5/20/15	08:15	Soil	SG	X	X	X	X		2
-05	SB-5 (8'-10')	5/20/15	09:20	Soil	SG	X	X	X	X		2
-06	SB-6 (1'-3')	5/20/15	08:50	Soil	SG	X	X	X	X		2
-07	SB-6 (8'-10')	5/20/15	08:55	Soil	SG	X	X	X	X		2
-08	DW-4-SED	5/20/15	1300	Sediment	SG	X	X	X	X	*Hold sample at lab until further Notice (DW-4-SED)	2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other -ICE

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: A →
Preservative: O →

Relinquished By:	Date/Time	Received By:	Date/Time
	5/20/15 @ 14:30		5/20/15 14:30
Paul Lusk - AKRF	5/20/15 1830	Tom Tobin	5/20/15 1830
Tom Tobin	5/21/15 0125	Cornelius Olaton	5/21/15 0125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

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Page 1 of 1

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Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	RCRA 8 Metals	PCB 8082	Sample Specific Comments	Total Bottles
-04	SB-5 (0.5'-2.5')	5/20/15	08:15	Soil	SG	X	X	X	X		2
-05	SB-5 (8'-10')	5/20/15	09:20	Soil	SG	X	X	X	X		2
-06	SB-6 (1'-3')	5/20/15	08:50	Soil	SG	X	X	X	X		2
-07	SB-6 (8'-10')	5/20/15	08:55	Soil	SG	X	X	X	X		2
-08	DW-4-SED	5/20/15	1300	Sediment	SG	X	X	X	X	* Hold sample at lab until further Notice (DW-4-SED)	2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other -ICE

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: A →
Preservative: O →

Relinquished By:	Date/Time	Received By:	Date/Time
	5/20/15 @ 14:30		5/20/15 14:30
Paul Hyde - AKRF	5/20/15 1830	Tom Tabor	5/20/15 1830
Tom Tabor	5/21/15 0125	Cornelius Olaton	5/21/15 0125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1511848
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Dustin Kapson
Phone:	(212) 696-0670
Project Name:	STORAGE DELUXE
Project Number:	12103
Report Date:	06/05/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1511848-01	MW-1	WATER	2647 STILLWELL AV, BROOKLYN, NY	05/28/15 13:37	05/29/15
L1511848-02	MW-2	WATER	2647 STILLWELL AV, BROOKLYN, NY	05/28/15 15:07	05/29/15
L1511848-03	MW-3	WATER	2647 STILLWELL AV, BROOKLYN, NY	05/28/15 11:41	05/29/15
L1511848-04	TB-052815	WATER	2647 STILLWELL AV, BROOKLYN, NY	05/28/15 00:00	05/29/15

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Dissolved Metals

The WG789583-4 MS recovery, performed on L1511848-01, is outside the acceptance criteria for silver (64%). A post digestion spike was performed and yielded an unacceptable recovery of 70%. This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/05/15

ORGANICS

VOLATILES

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01
Client ID: MW-1
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/02/15 14:03
Analyst: MS

Date Collected: 05/28/15 13:37
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.68		ug/l	0.50	0.16	1
Toluene	2.1	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01 Date Collected: 05/28/15 13:37

Client ID: MW-1 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	13		ug/l	2.5	0.70	1
p/m-Xylene	3.6		ug/l	2.5	0.70	1
o-Xylene	1.8	J	ug/l	2.5	0.70	1
Xylenes, Total	5.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	5.2		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.4	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.0	J	ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01 Date Collected: 05/28/15 13:37

Client ID: MW-1 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.5		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	1.7	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	5.5		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	92		70-130

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02
Client ID: MW-2
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/02/15 14:38
Analyst: MS

Date Collected: 05/28/15 15:07
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	8.4		ug/l	0.50	0.16	1
Toluene	2.9		ug/l	2.5	0.70	1
Ethylbenzene	19		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02 Date Collected: 05/28/15 15:07

Client ID: MW-2 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	15		ug/l	2.5	0.70	1
p/m-Xylene	81		ug/l	2.5	0.70	1
o-Xylene	6.2		ug/l	2.5	0.70	1
Xylenes, Total	87		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	0.87	J	ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	2.5		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.3	J	ug/l	2.5	0.70	1
n-Propylbenzene	2.4	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	15		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02 Date Collected: 05/28/15 15:07

Client ID: MW-2 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	24		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	24		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	3.4		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	91		70-130

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03
Client ID: MW-3
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/03/15 16:57
Analyst: PD

Date Collected: 05/28/15 11:41
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03 Date Collected: 05/28/15 11:41

Client ID: MW-3 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.5		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03 Date Collected: 05/28/15 11:41

Client ID: MW-3 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	120		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-04
Client ID: TB-052815
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/03/15 17:25
Analyst: PD

Date Collected: 05/28/15 00:00
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-04 Date Collected: 05/28/15 00:00

Client ID: TB-052815 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-04 Date Collected: 05/28/15 00:00

Client ID: TB-052815 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	120		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/02/15 12:54
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG790120-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/02/15 12:54
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG790120-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/02/15 12:54
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG790120-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	93		70-130

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG790538-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG790538-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG790538-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG790538-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG790120-1 WG790120-2								
Methylene chloride	93		92		70-130	1		20
1,1-Dichloroethane	92		91		70-130	1		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	94		94		70-130	0		20
Dibromochloromethane	93		91		63-130	2		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	111		112		70-130	1		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	90		90		62-150	0		20
1,2-Dichloroethane	84		82		70-130	2		20
1,1,1-Trichloroethane	94		94		67-130	0		20
Bromodichloromethane	87		86		67-130	1		20
trans-1,3-Dichloropropene	89		89		70-130	0		20
cis-1,3-Dichloropropene	92		88		70-130	4		20
1,1-Dichloropropene	99		97		70-130	2		20
Bromoform	92		95		54-136	3		20
1,1,2,2-Tetrachloroethane	80		83		67-130	4		20
Benzene	102		101		70-130	1		20
Toluene	97		98		70-130	1		20
Ethylbenzene	98		98		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG790120-1 WG790120-2								
Chloromethane	93		88		64-130	6		20
Bromomethane	78		76		39-139	3		20
Vinyl chloride	96		96		55-140	0		20
Chloroethane	109		106		55-138	3		20
1,1-Dichloroethene	104		106		61-145	2		20
trans-1,2-Dichloroethene	104		103		70-130	1		20
Trichloroethene	97		96		70-130	1		20
1,2-Dichlorobenzene	90		90		70-130	0		20
1,3-Dichlorobenzene	91		92		70-130	1		20
1,4-Dichlorobenzene	91		91		70-130	0		20
Methyl tert butyl ether	86		83		63-130	4		20
p/m-Xylene	101		100		70-130	1		20
o-Xylene	99		97		70-130	2		20
cis-1,2-Dichloroethene	102		100		70-130	2		20
Dibromomethane	92		90		70-130	2		20
1,2,3-Trichloropropane	78		82		64-130	5		20
Acrylonitrile	86		84		70-130	2		20
Styrene	102		100		70-130	2		20
Dichlorodifluoromethane	**169**	Q	**161**	Q	36-147	5		20
Acetone	81		74		58-148	9		20
Carbon disulfide	88		87		51-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG790120-1 WG790120-2								
2-Butanone	90		84		63-138	7		20
Vinyl acetate	81		78		70-130	4		20
4-Methyl-2-pentanone	82		82		59-130	0		20
2-Hexanone	67		68		57-130	1		20
Bromochloromethane	103		101		70-130	2		20
2,2-Dichloropropane	98		98		63-133	0		20
1,2-Dibromoethane	91		91		70-130	0		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	97		96		64-130	1		20
Bromobenzene	93		95		70-130	2		20
n-Butylbenzene	82		82		53-136	0		20
sec-Butylbenzene	89		89		70-130	0		20
tert-Butylbenzene	89		90		70-130	1		20
o-Chlorotoluene	84		85		70-130	1		20
p-Chlorotoluene	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	64		60		41-144	6		20
Hexachlorobutadiene	87		89		63-130	2		20
Isopropylbenzene	92		94		70-130	2		20
p-Isopropyltoluene	89		88		70-130	1		20
Naphthalene	83		80		70-130	4		20
n-Propylbenzene	93		94		69-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG790120-1 WG790120-2								
1,2,3-Trichlorobenzene	**68**	Q	**66**	Q	70-130	3		20
1,2,4-Trichlorobenzene	79		79		70-130	0		20
1,3,5-Trimethylbenzene	92		93		64-130	1		20
1,2,4-Trimethylbenzene	90		90		70-130	0		20
1,4-Dioxane	84		74		56-162	13		20
p-Diethylbenzene	88		88		70-130	0		20
p-Ethyltoluene	94		94		70-130	0		20
1,2,4,5-Tetramethylbenzene	102		102		70-130	0		20
Ethyl ether	98		98		59-134	0		20
trans-1,4-Dichloro-2-butene	**67**	Q	**67**	Q	70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		81		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	92		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG790538-1 WG790538-2								
Methylene chloride	85		80		70-130	6		20
1,1-Dichloroethane	109		102		70-130	7		20
Chloroform	110		104		70-130	6		20
2-Chloroethylvinyl ether	76		74		70-130	3		20
Carbon tetrachloride	102		94		63-132	8		20
1,2-Dichloropropane	98		92		70-130	6		20
Dibromochloromethane	100		95		63-130	5		20
1,1,2-Trichloroethane	103		100		70-130	3		20
Tetrachloroethene	111		105		70-130	6		20
Chlorobenzene	103		98		75-130	5		20
Trichlorofluoromethane	130		123		62-150	6		20
1,2-Dichloroethane	97		93		70-130	4		20
1,1,1-Trichloroethane	107		100		67-130	7		20
Bromodichloromethane	96		91		67-130	5		20
trans-1,3-Dichloropropene	108		104		70-130	4		20
cis-1,3-Dichloropropene	86		82		70-130	5		20
1,1-Dichloropropene	104		97		70-130	7		20
Bromoform	107		101		54-136	6		20
1,1,2,2-Tetrachloroethane	95		92		67-130	3		20
Benzene	101		94		70-130	7		20
Toluene	116		109		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG790538-1 WG790538-2								
Ethylbenzene	109		103		70-130	6		20
Chloromethane	**58**	Q	**61**	Q	64-130	5		20
Bromomethane	116		99		39-139	16		20
Vinyl chloride	90		84		55-140	7		20
Chloroethane	112		104		55-138	7		20
1,1-Dichloroethene	107		100		61-145	7		20
trans-1,2-Dichloroethene	105		98		70-130	7		20
Trichloroethene	101		94		70-130	7		20
1,2-Dichlorobenzene	91		87		70-130	4		20
1,3-Dichlorobenzene	100		93		70-130	7		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	86		84		63-130	2		20
p/m-Xylene	107		100		70-130	7		20
o-Xylene	99		93		70-130	6		20
cis-1,2-Dichloroethene	102		96		70-130	6		20
Dibromomethane	86		82		70-130	5		20
1,2,3-Trichloropropane	117		112		64-130	4		20
Acrylonitrile	81		79		70-130	3		20
Diisopropyl Ether	101		97		70-130	4		20
Tert-Butyl Alcohol	**68**	Q	73		70-130	7		20
Styrene	99		94		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG790538-1 WG790538-2								
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	76		76		58-148	0		20
Carbon disulfide	100		92		51-130	8		20
2-Butanone	87		88		63-138	1		20
Vinyl acetate	86		84		70-130	2		20
4-Methyl-2-pentanone	65		64		59-130	2		20
2-Hexanone	79		78		57-130	1		20
Acrolein	74		73		40-160	1		20
Bromochloromethane	99		93		70-130	6		20
2,2-Dichloropropane	106		99		63-133	7		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	104		100		70-130	4		20
1,1,1,2-Tetrachloroethane	113		107		64-130	5		20
Bromobenzene	97		92		70-130	5		20
n-Butylbenzene	88		86		53-136	2		20
sec-Butylbenzene	84		82		70-130	2		20
tert-Butylbenzene	85		82		70-130	4		20
o-Chlorotoluene	115		108		70-130	6		20
p-Chlorotoluene	106		100		70-130	6		20
1,2-Dibromo-3-chloropropane	92		89		41-144	3		20
Hexachlorobutadiene	82		79		63-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG790538-1 WG790538-2								
Isopropylbenzene	105		101		70-130	4		20
p-Isopropyltoluene	84		81		70-130	4		20
Naphthalene	88		88		70-130	0		20
n-Propylbenzene	103		99		69-130	4		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	99		95		70-130	4		20
1,3,5-Trimethylbenzene	105		100		64-130	5		20
1,2,4-Trimethylbenzene	98		93		70-130	5		20
Methyl Acetate	83		83		70-130	0		20
Ethyl Acetate	84		83		70-130	1		20
Cyclohexane	101		97		70-130	4		20
Ethyl-Tert-Butyl-Ether	91		89		70-130	2		20
Tertiary-Amyl Methyl Ether	82		80		66-130	2		20
1,4-Dioxane	79		87		56-162	10		20
Freon-113	111		104		70-130	7		20
p-Diethylbenzene	84		80		70-130	5		20
p-Ethyltoluene	102		96		70-130	6		20
1,2,4,5-Tetramethylbenzene	92		88		70-130	4		20
Ethyl ether	96		90		59-134	6		20
trans-1,4-Dichloro-2-butene	88		83		70-130	6		20
Iodomethane	**31**	Q	**45**	Q	70-130	**37**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG790538-1 WG790538-2								
Methyl cyclohexane	95		91		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	122		122		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	108		108		70-130

SEMIVOLATILES

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01
Client ID: MW-1
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/04/15 23:53
Analyst: PS

Date Collected: 05/28/15 13:37
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01 Date Collected: 05/28/15 13:37

Client ID: MW-1 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	2.4	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	104		41-149

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01
Client ID: MW-1
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/03/15 16:16
Analyst: KV

Date Collected: 05/28/15 13:37
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.10	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.76		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.10	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.25		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.11	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	1.0		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01 Date Collected: 05/28/15 13:37

Client ID: MW-1 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	99		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	107		41-149

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02
Client ID: MW-2
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/05/15 00:19
Analyst: PS

Date Collected: 05/28/15 15:07
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02 Date Collected: 05/28/15 15:07

Client ID: MW-2 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	103		41-149

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02
Client ID: MW-2
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/03/15 12:17
Analyst: KV

Date Collected: 05/28/15 15:07
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.08	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02 Date Collected: 05/28/15 15:07

Client ID: MW-2 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	100		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	101		41-149

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03
Client ID: MW-3
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/05/15 00:45
Analyst: PS

Date Collected: 05/28/15 11:41
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03 Date Collected: 05/28/15 11:41

Client ID: MW-3 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	0.42	J	ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	102		41-149

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03
Client ID: MW-3
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/03/15 12:47
Analyst: KV

Date Collected: 05/28/15 11:41
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.36		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.27		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.08	J	ug/l	0.20	0.06	1
Benzo(a)pyrene	0.11	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.10	J	ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	0.07	J	ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.19	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	0.32		ug/l	0.20	0.06	1
Phenanthrene	0.42		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.24		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.09	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03 Date Collected: 05/28/15 11:41

Client ID: MW-3 Date Received: 05/29/15

Sample Location: 2647 STILLWELL AV, BROOKLYN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	98		41-149

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/04/15 18:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG789726-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/04/15 18:51
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG789726-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	89		41-149

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/03/15 09:44
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG789728-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/03/15 09:44
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/01/15 16:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG789728-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	84		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG789726-2 WG789726-3								
1,2,4-Trichlorobenzene	69		58		39-98	17		30
Bis(2-chloroethyl)ether	82		74		40-140	10		30
1,2-Dichlorobenzene	66		58		40-140	13		30
1,3-Dichlorobenzene	64		55		40-140	15		30
1,4-Dichlorobenzene	65		57		36-97	13		30
3,3'-Dichlorobenzidine	80		64		40-140	22		30
2,4-Dinitrotoluene	**104**	Q	90		24-96	14		30
2,6-Dinitrotoluene	105		93		40-140	12		30
4-Chlorophenyl phenyl ether	94		80		40-140	16		30
4-Bromophenyl phenyl ether	93		81		40-140	14		30
Bis(2-chloroisopropyl)ether	83		75		40-140	10		30
Bis(2-chloroethoxy)methane	90		80		40-140	12		30
Hexachlorocyclopentadiene	62		51		40-140	19		30
Isophorone	91		82		40-140	10		30
Nitrobenzene	86		77		40-140	11		30
NitrosoDiPhenylAmine(NDPA)/DPA	93		79		40-140	16		30
n-Nitrosodi-n-propylamine	89		80		29-132	11		30
Bis(2-Ethylhexyl)phthalate	103		86		40-140	18		30
Butyl benzyl phthalate	100		89		40-140	12		30
Di-n-butylphthalate	100		89		40-140	12		30
Di-n-octylphthalate	109		92		40-140	17		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG789726-2 WG789726-3								
Diethyl phthalate	97		83		40-140	16		30
Dimethyl phthalate	96		84		40-140	13		30
Biphenyl	84		72		54-104	15		30
4-Chloroaniline	78		67		40-140	15		30
2-Nitroaniline	103		92		52-143	11		30
3-Nitroaniline	73		65		25-145	12		30
4-Nitroaniline	91		76		51-143	18		30
Dibenzofuran	90		80		40-140	12		30
1,2,4,5-Tetrachlorobenzene	78		66		2-134	17		30
Acetophenone	87		79		39-129	10		30
2,4,6-Trichlorophenol	97		86		30-130	12		30
P-Chloro-M-Cresol	**98**	Q	88		23-97	11		30
2-Chlorophenol	82		75		27-123	9		30
2,4-Dichlorophenol	96		86		30-130	11		30
2,4-Dimethylphenol	72		41		30-130	**55**	Q	30
2-Nitrophenol	93		82		30-130	13		30
4-Nitrophenol	60		55		10-80	9		30
2,4-Dinitrophenol	109		93		20-130	16		30
4,6-Dinitro-o-cresol	110		96		20-164	14		30
Phenol	41		37		12-110	10		30
2-Methylphenol	75		66		30-130	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG789726-2 WG789726-3								
3-Methylphenol/4-Methylphenol	74		66		30-130	11		30
2,4,5-Trichlorophenol	101		88		30-130	14		30
Benzoic Acid	34		31		10-110	9		30
Benzyl Alcohol	80		72		15-110	11		30
Carbazole	95		83		55-144	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		50		21-120
Phenol-d6	40		37		10-120
Nitrobenzene-d5	88		82		23-120
2-Fluorobiphenyl	92		85		15-120
2,4,6-Tribromophenol	94		84		10-120
4-Terphenyl-d14	95		87		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG789728-2 WG789728-3								
Acenaphthene	78		78		37-111	0		40
2-Chloronaphthalene	77		74		40-140	4		40
Fluoranthene	82		82		40-140	0		40
Hexachlorobutadiene	70		70		40-140	0		40
Naphthalene	77		74		40-140	4		40
Benzo(a)anthracene	92		89		40-140	3		40
Benzo(a)pyrene	81		81		40-140	0		40
Benzo(b)fluoranthene	84		83		40-140	1		40
Benzo(k)fluoranthene	83		80		40-140	4		40
Chrysene	82		80		40-140	2		40
Acenaphthylene	86		84		40-140	2		40
Anthracene	84		84		40-140	0		40
Benzo(ghi)perylene	86		85		40-140	1		40
Fluorene	79		84		40-140	6		40
Phenanthrene	80		78		40-140	3		40
Dibenzo(a,h)anthracene	88		86		40-140	2		40
Indeno(1,2,3-cd)Pyrene	87		85		40-140	2		40
Pyrene	80		81		26-127	1		40
2-Methylnaphthalene	79		79		40-140	0		40
Pentachlorophenol	74		69		9-103	7		40
Hexachlorobenzene	83		81		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG789728-2 WG789728-3								
Hexachloroethane	79		75		40-140	5		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		49		21-120
Phenol-d6	36		36		10-120
Nitrobenzene-d5	81		78		23-120
2-Fluorobiphenyl	84		81		15-120
2,4,6-Tribromophenol	92		96		10-120
4-Terphenyl-d14	80		81		41-149

PCBS

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1511848-01	Date Collected:	05/28/15 13:37
Client ID:	MW-1	Date Received:	05/29/15
Sample Location:	2647 STILLWELL AV, BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/02/15 03:10
Analytical Date:	06/02/15 15:51	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	06/02/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/02/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: STORAGE DELUXE **Lab Number:** L1511848

Project Number: 12103 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1511848-02	Date Collected:	05/28/15 15:07
Client ID:	MW-2	Date Received:	05/29/15
Sample Location:	2647 STILLWELL AV, BROOKLYN, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/02/15 03:10
Analytical Date:	06/02/15 16:04	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	06/02/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/02/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: STORAGE DELUXE
Lab Number: L1511848
Project Number: 12103
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03
Client ID: MW-3
Sample Location: 2647 STILLWELL AV, BROOKLYN, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/02/15 16:16
Analyst: JW

Date Collected: 05/28/15 11:41
Date Received: 05/29/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/02/15 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/02/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/02/15 16:53
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 06/02/15 03:10
Cleanup Method: EPA 3665A
Cleanup Date: 06/02/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/02/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG789833-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	86		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG789833-2 WG789833-3									
Aroclor 1016	73		70		40-140	5		50	A
Aroclor 1260	68		70		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		67		30-150	B
Decachlorobiphenyl	69		88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	A
Decachlorobiphenyl	89		93		30-150	A

METALS

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-01
Client ID: MW-1
Sample Location: 2647 STILLWELL AV, BROOKLYN, N
Matrix: Water
Date Collected: 05/28/15 13:37
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0034		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Barium, Total	1.140		mg/l	0.0050	0.0006	10	06/02/15 12:06	06/03/15 16:59	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Chromium, Total	0.0058		mg/l	0.0020	0.0003	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Lead, Total	0.0284		mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Mercury, Total	0.00008	J	mg/l	0.00020	0.00006	1	06/02/15 14:25	06/02/15 19:05	EPA 7470A	1,7470A	EA
Selenium, Total	ND		mg/l	0.005	0.001	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Silver, Total	0.0009	J	mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:25	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.00036	J	mg/l	0.00050	0.00012	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.8483		mg/l	0.00050	0.00006	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00077	J	mg/l	0.00300	0.00025	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/02/15 14:28	06/02/15 19:28	EPA 7470A	1,7470A	EA
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	06/01/15 12:38	06/03/15 18:07	EPA 3005A	1,6020A	KL

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-02
Client ID: MW-2
Sample Location: 2647 STILLWELL AV, BROOKLYN, N
Matrix: Water
Date Collected: 05/28/15 15:07
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0011		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Barium, Total	0.1166		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Chromium, Total	0.0044		mg/l	0.0020	0.0003	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Lead, Total	0.0355		mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/02/15 14:25	06/02/15 19:10	EPA 7470A	1,7470A	EA
Selenium, Total	ND		mg/l	0.005	0.001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Silver, Total	0.0002	J	mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:28	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.00031	J	mg/l	0.00050	0.00012	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.08467		mg/l	0.00050	0.00006	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00121	J	mg/l	0.00300	0.00025	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Lead, Dissolved	0.00019	J	mg/l	0.00100	0.00012	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/02/15 14:28	06/02/15 19:33	EPA 7470A	1,7470A	EA
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	06/01/15 12:38	06/03/15 18:21	EPA 3005A	1,6020A	KL

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1511848-03
Client ID: MW-3
Sample Location: 2647 STILLWELL AV, BROOKLYN, N
Matrix: Water
Date Collected: 05/28/15 11:41
Date Received: 05/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.0011		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Barium, Total	0.0429		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0003		mg/l	0.0002	0.0001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Chromium, Total	0.0011	J	mg/l	0.0020	0.0003	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Lead, Total	0.0023		mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/02/15 14:25	06/02/15 19:12	EPA 7470A	1,7470A	EA
Selenium, Total	0.004	J	mg/l	0.005	0.001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0010	0.0001	1	06/02/15 12:06	06/02/15 21:31	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	0.00063		mg/l	0.00050	0.00012	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.04101		mg/l	0.00050	0.00006	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	0.00025		mg/l	0.00020	0.00005	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00351		mg/l	0.00300	0.00025	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Lead, Dissolved	0.00016	J	mg/l	0.00100	0.00012	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/02/15 14:28	06/02/15 19:39	EPA 7470A	1,7470A	EA
Selenium, Dissolved	0.00415	J	mg/l	0.00500	0.00100	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	06/01/15 12:38	06/03/15 18:25	EPA 3005A	1,6020A	KL

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG789583-1										
Arsenic, Dissolved	0.00013	J	mg/l	0.00050	0.00012	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00006	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Chromium, Dissolved	0.00286	J	mg/l	0.00300	0.00025	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	06/01/15 12:38	06/03/15 18:03	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG789875-1										
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Chromium, Total	0.0008	J	mg/l	0.0020	0.0003	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Lead, Total	ND		mg/l	0.0005	0.0001	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/02/15 12:06	06/02/15 19:37	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	0.00007	1	06/02/15 12:06	06/03/15 12:05	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG790023-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/02/15 14:25	06/02/15 19:01	1,7470A	EA

Project Name: STORAGE DELUXE
Project Number: 12103
Lab Number: L1511848
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG790024-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/02/15 14:28	06/02/15 19:24	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG789583-2								
Arsenic, Dissolved	101		-		80-120	-		
Barium, Dissolved	105		-		80-120	-		
Cadmium, Dissolved	120		-		80-120	-		
Chromium, Dissolved	107		-		80-120	-		
Lead, Dissolved	111		-		80-120	-		
Selenium, Dissolved	108		-		80-120	-		
Silver, Dissolved	112		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG789875-2								
Arsenic, Total	104		-		80-120	-		
Barium, Total	97		-		80-120	-		
Cadmium, Total	111		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Lead, Total	109		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	97		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG790023-2								
Mercury, Total	111		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: STORAGE DELUXE

Project Number: 12103

Lab Number: L1511848

Report Date: 06/05/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG790024-2					
Mercury, Dissolved	110	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG789583-4 QC Sample: L1511848-01 Client ID: MW-1												
Arsenic, Dissolved	0.00036J	0.12	0.1287	107		-	-		75-125	-		20
Barium, Dissolved	0.8483	2	2.767	96		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.05626	110		-	-		75-125	-		20
Chromium, Dissolved	0.00077J	0.2	0.2034	102		-	-		75-125	-		20
Lead, Dissolved	ND	0.51	0.5632	110		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.120	100		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.03225	**64**	Q	-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG789875-4 QC Sample: L1511079-03 Client ID: MS Sample												
Arsenic, Total	0.0003J	0.12	0.1116	93		-	-		75-125	-		20
Barium, Total	0.1602	2	2.069	95		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.0559	110		-	-		75-125	-		20
Chromium, Total	0.0010J	0.2	0.1821	91		-	-		75-125	-		20
Lead, Total	0.0002J	0.51	0.5407	106		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.139	116		-	-		75-125	-		20
Silver, Total	0.0002J	0.05	0.0479	96		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG790023-4 QC Sample: L1511848-01 Client ID: MW-1												
Mercury, Total	0.00008J	0.005	0.00492	98		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG790024-4 QC Sample: L1511848-01 Client ID: MW-1												
Mercury, Dissolved	ND	0.005	0.00480	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG789583-3 QC Sample: L1511848-01 Client ID: MW-1						
Arsenic, Dissolved	0.00036J	0.00044J	mg/l	NC		20
Barium, Dissolved	0.8483	0.8771	mg/l	3		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	0.00077J	0.00555	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG789875-3 QC Sample: L1511079-03 Client ID: DUP Sample						
Arsenic, Total	0.0003J	0.0002J	mg/l	NC		20
Barium, Total	0.1602	0.1547	mg/l	3		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.0010J	0.0008J	mg/l	NC		20
Lead, Total	0.0002J	0.0002J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	0.0002J	0.0001J	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG790023-3 QC Sample: L1511848-01 Client ID: MW-1						
Mercury, Total	0.00008J	0.00008J	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG790024-3 QC Sample: L1511848-01 Client ID: MW-1						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1511848-01A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-01B	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-01C	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-01D	Plastic 250ml unpreserved	A	7	4.8	Y	Absent	-
L1511848-01E	Plastic 250ml HNO3 preserved	A	<2	4.8	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1511848-01F	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-01G	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-01H	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511848-01I	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511848-01X	Plastic 120ml HNO3 preserved spl	A	<2	4.8	Y	Absent	SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1511848-02A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-02B	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-02C	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-02D	Plastic 250ml unpreserved	A	7	4.8	Y	Absent	-
L1511848-02E	Plastic 250ml HNO3 preserved	A	<2	4.8	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1511848-02F	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-02G	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-02H	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511848-02I	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: STORAGE DELUXE
Project Number: 12103

Lab Number: L1511848
Report Date: 06/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1511848-02X	Plastic 120ml HNO3 preserved spl	A	<2	4.8	Y	Absent	SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1511848-03A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-03B	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-03C	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-03D	Plastic 250ml unpreserved	A	7	4.8	Y	Absent	-
L1511848-03E	Plastic 250ml HNO3 preserved	A	<2	4.8	Y	Absent	BA-6020T(180),SE-6020T(180),CR-6020T(180),PB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1511848-03F	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-03G	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8082-1200ML(7)
L1511848-03H	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511848-03I	Amber 1000ml unpreserved	A	7	4.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1511848-03X	Plastic 120ml HNO3 preserved spl	A	<2	4.8	Y	Absent	SE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28)
L1511848-04A	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-04B	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-04C	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1511848-04D	Vial HCl preserved	A	N/A	4.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	STORAGE DELUXE	**Lab Number:**	L1511848
Project Number:	12103	**Report Date:**	06/05/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	STORAGE DELUXE	**Lab Number:**	L1511848
Project Number:	12103	**Report Date:**	06/05/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	STORAGE DELUXE	**Lab Number:**	L1511848
Project Number:	12103	**Report Date:**	06/05/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/29/15

ALPHA Job #: L1511848

Client Information

Client: AKRF Inc.
Address: 440 Park Avenue South, 7th Floor, New York, NY
Phone: (646) 388-9767
Fax: (914) 949-7559
Email: dkapson@akrf.com

Project Information

Project Name: Storage Deluxe
Project Location: 2647 Stillwell Av, Brooklyn, NY
Project # 12103
(Use Project name as Project #) ☐
Project Manager: Dustin Kapson
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

RCRA 8 total and dissolved metals

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs by EPA Method 8260	SVOCs by EPA Method 8270	RCRA 8 Metals (total and dissolved)	PCBs by EPA Method 8081	Total Bottle
11848-01	MW-1	5/28/15	1337	Groundwater	CP	X	X	X	X	9
02	MW-2	↓	1507	↓	CP	X	X	X	X	9
03	MW-3	↓	1141	↓	CP	X	X	X	X	9
~~Trip Blanks/TB-052815~~	~~(CD)~~	~~5/28/15~~	~~NA~~	~~Blank~~	~~NA~~	X				~~2~~
04	TB-052815	NA	NA	Blank	NA	X				2
										~~11~~

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☒ Lab to do
(Please Specify below)
filtration

Sample Specific Comments

Container Type	V	A	P	P
Preservative	B	A	A/C	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Brooklyn Kapsch	5/29/15 0953	[illegible] - AAL	5/29/15 09:53
[illegible] - AAL	5/29/15 1851	Tom Tabin	5-29-15 1851
Tom Tabin	5-29-15 2355	William Mercer	5/29/15 2355

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX E

LABORATORY DATA

SITE INSPECTION REPORT
T & J SALVAGE
2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

EPA ID No.: NYN000203544

EPA Contract No.: 68HE0319D0004
Document Control No.: SAT-V.6204.0055

December 2021

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Prepared by:

Weston Solutions, Inc.
Edison, New Jersey 08837

SITE INSPECTION REPORT
T & J SALVAGE
2647 STILLWELL AVENUE
BROOKLYN, NEW YORK

EPA ID No.: NYN000203544

Prepared by:

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Edison, New Jersey

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

EPA Contract No.: 68HE0319D0004
Document Control No.: SAT-V.6204.0055

December 2021

SUBMITTED BY:

Habib Bravo-Ruiz
Associate Geoscientist

Date 12/03/2021

Gerald V. Gilliland, P.G.
Site Assessment Team (SAT) Lead

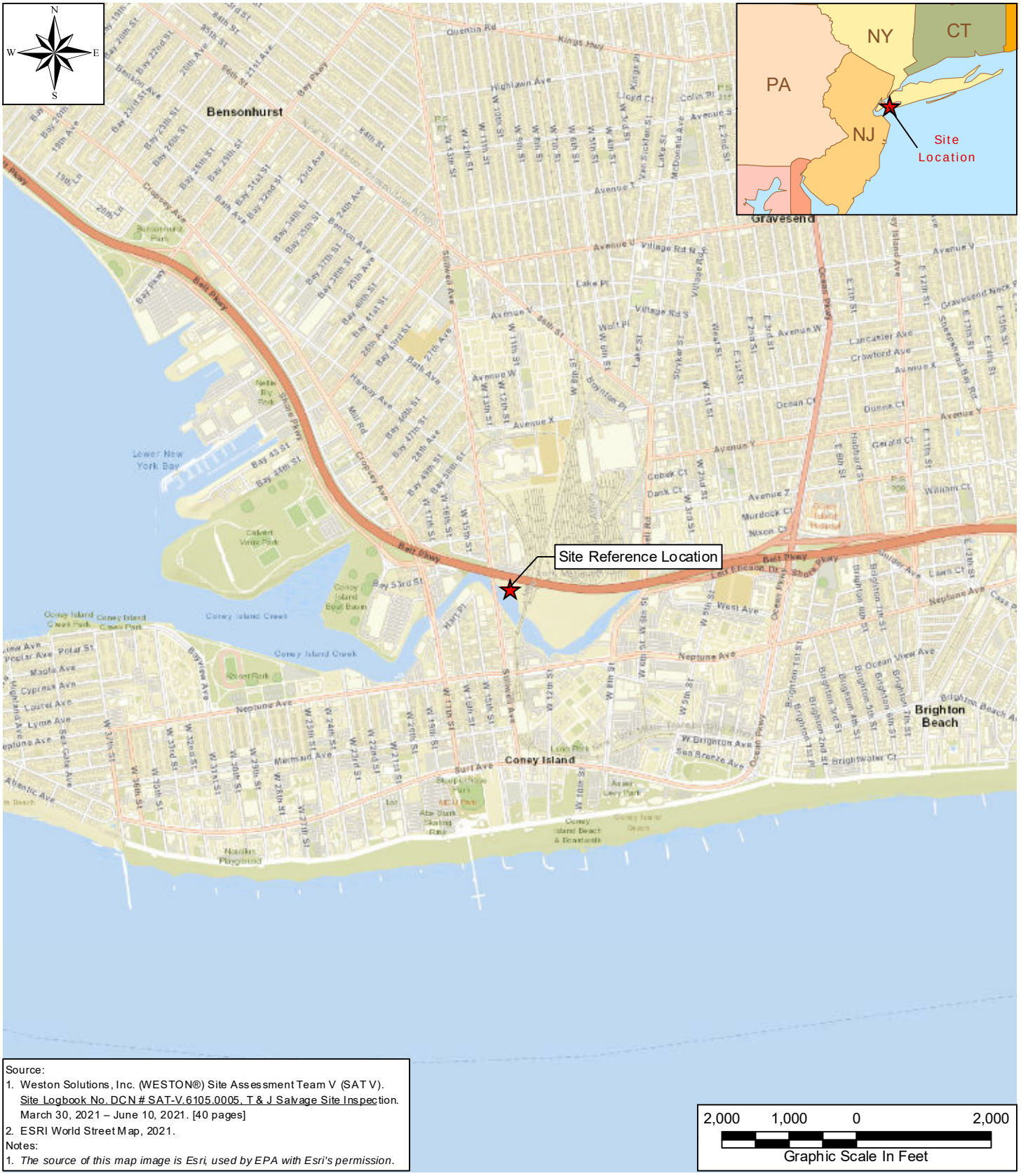
Date 12/03/2021

SITE SUMMARY

The T & J Salvage (T & J) site (U.S. Environmental Protection Agency [EPA] ID No. NYN000203544) consists of an automobile salvage operation along Coney Island Creek in Brooklyn, NY [Ref. 1, p. 1; 2, p. 1]. EPA discovery of the T & J site occurred in 2020 during the Site Discovery Initiative associated with the Coney Island Creek site [Ref. 3, pp. 5–9; 4, p. 1]. Available information indicates that the T & J subject property has been utilized for automobile salvage activities since at least 1940 [Ref. 5, pp. 35–36; 6, pp. 14–15; 7, p. 5]. The current occupant, T & J Auto Salvage, is a supplier of used auto parts that has operated on the site since 1980 [Ref. 2, p. 1]. The 2.9-acre property is located in a mostly commercial and industrial area of Brooklyn, NY, along the northern bank of Coney Island Creek [Ref. 40, Figure 2]. The site's shoreline along Coney Island Creek mostly consists of a steep, vegetated embankment, with a concrete block retaining wall evident along the southwestern corner of the property [Ref. 4, pp. 1, 18, 19]. The subject property is bound to the north by a parking lot that underlies the raised Belt Parkway; to the east by Metro Transit Authority (MTA) railroad tracks; to the south by Coney Island Creek; and to the west by a portion of Stillwell Avenue that traverses Coney Island Creek [Ref. 4, pp. 1, 13, 15, 17–18, 20]. **Figure 1** presents a Site Location Map.

A search of New York State environmental databases indicates that New York State Department of Environmental Conservation (NYSDEC) has inspected the facility on numerous occasions [Ref. 11, pp. 1–3; 12, p. 1; 13, pp. 12–14]. Observations indicated that there have been multiple discharges of automotive waste fluids identified throughout the property and an impact to Coney Island Creek is suspected [Ref. 11, p. 1; 12, p. 1; 13, p. 14]. The facility has been the subject of a joint investigation by the New York Police Department (NYPD) and NYSDEC's Division of Law Enforcement (DLE) [Ref. 12, p. 1; 13, p. 12]. In August 2003, during the execution of a search warrant, NYSDEC DLE observed surface spills and free product on standing water [Ref. 12, p. 1; 13, p. 12]. In April 2004, T & J received an Order on Consent issued by NYSDEC as a result of the automotive waste fluids identified throughout the property in August 2003 [Ref. 12, p. 1; 14, p. 1, 4]. The remedies under the Order on Consent included that T & J was required to submit plans to characterize and remediate releases of petroleum at the site [Ref. 14, p. 6].

In October 2004, T & J performed a subsurface investigation at the site under NYSDEC oversight [Ref. 11, p. 1; 13, p. 13–14]. Nineteen soil samples were collected from 17 direct-push boreholes advanced to 10 feet below ground surface (bgs) [Ref. 13, p. 14; 15, pp. 5–6, 8]. One groundwater sample was collected from each of two boreholes [Ref. 13, p. 14; 15, p. 5]. The subsurface beneath the site was characterized by construction debris and ash [Ref. 15, pp. 9–27]. Xylene (23 milligrams per kilogram [mg/kg]) and ethylbenzene (3.12 mg/kg) were detected in soil at one location, at a depth of 0 to 1 foot beneath an area covered with an 8-inch-thick concrete slab [Ref. 11, p. 2; 13, p. 14; 15, p. 6]. Cadmium (1.86 mg/kg), chromium (24.4 mg/kg), lead (438 mg/kg), mercury (0.271 mg/kg), and vanadium (47.3 mg/kg) were detected in soil at one location [Ref. 15, p. 129]. According to T & J's report, with the exception of the soil sample collected beneath the 8-inch thick concrete slab near where fluids are drained from engines, no contamination was detected in soil or groundwater [Ref. 15, p. 6]. However, NYSDEC noted several deficiencies with T & J's sampling procedures, including a nonworking photoionization detector (PID), samples not kept on ice in a cooler, cross-contamination of samples by sampler's field knife, and direct-push sleeves left cut open for long periods prior to sample collection [Ref. 11, p. 1; 13, p. 13]. T & J's environmental investigation did not evaluate the site's impact to Coney Island Creek [Ref. 15, pp. 4–6].



LEGEND:

★ Site Reference Location Lat: +40.582620° Long: -73.981731°

PROJECT:

T & J Salvage SI

TITLE:

SITE LOCATION MAP
T & J SALVAGE
BROOKLYN, KINGS COUNTY, NY

CLIENT NAME:

EPA

WESTON SOLUTIONS

DATE:

December 2021

FIGURE #:

1

Path: P:\SAT2\ConeyIslandCreek\MXD\TJ_Auto\SI\27107_CI_Creek6105_TJ_Auto_Site_Location_SI.mxd

Vehicle Dismantling Facility Annual Reports submitted to NYSDEC from 2013 to 2019 indicate that T & J received 2,142 end-of-life vehicles (ELV); crushed 1,818 ELVs; and stored up to 510 ELVs [Ref. 16, p. 1]. Fluids recovered from the ELVs included 4,400 gallons of used oil (i.e., engine oil, transmission fluid, axle fluid, hydraulic fluid, power steering fluid, brake fluid, etc.); 2,171 gallons of engine coolant; and 680 pounds of refrigerant [Ref. 16, p. 1]. These fluids were either sold/recycled or disposed off-site [Ref. 16, p. 1]. A total of 1,466 lead-acid batteries and 575 mercury switches were collected from the ELVs [Ref. 16, p. 1]. The lead-acid batteries and mercury switches were sold/recycled [Ref. 16, p. 1]. The approximate area used for the storage of ELVs was reported to vary between 1 and 2.75 acres [Ref. 16, p. 1].

The T & J facility operates under National Pollutant Discharge Elimination System (NPDES) Permit No. NYR00D555; permit information indicates that stormwater runoff from the facility discharges to Coney Island Creek, the nearest waterbody [Ref. 18, p. 1; 19, pp. 1, 12, 28]. The facility has one discharge monitoring point (Outfall 001) located at the site entrance [Ref. 19, p. 1; 20, p. 5]. Discharge Monitoring Reports (DMR) from 2009 to 2017 show detections of toluene (18.4 micrograms per liter [µg/L]), benzene (1.4 µg/L), ethylbenzene (3.6 µg/L), xylene (19 µg/L), iron (350 µg/L), aluminum (230 µg/L), and lead (8 µg/L) at the discharge monitoring point [Ref. 21, pp. 1–17]. EPA's ECHO on-line database notes that the facility was cited for violations of the NPDES permit in 2018, 2019, 2020, and 2021; violations included late submittals and failure to submit DMRs [Ref. 18, p. 2]. State Pollutant Discharge Elimination System (SPDES) Notice of Intent forms for the T & J facility indicate that site runoff enters the New York City Municipal Separate Stormwater Sewer System (MS4) (i.e., roadside drains, swales, ditches, culverts, etc.) and discharges into Coney Island Creek [Ref. 19, pp. 1, 12, 28].

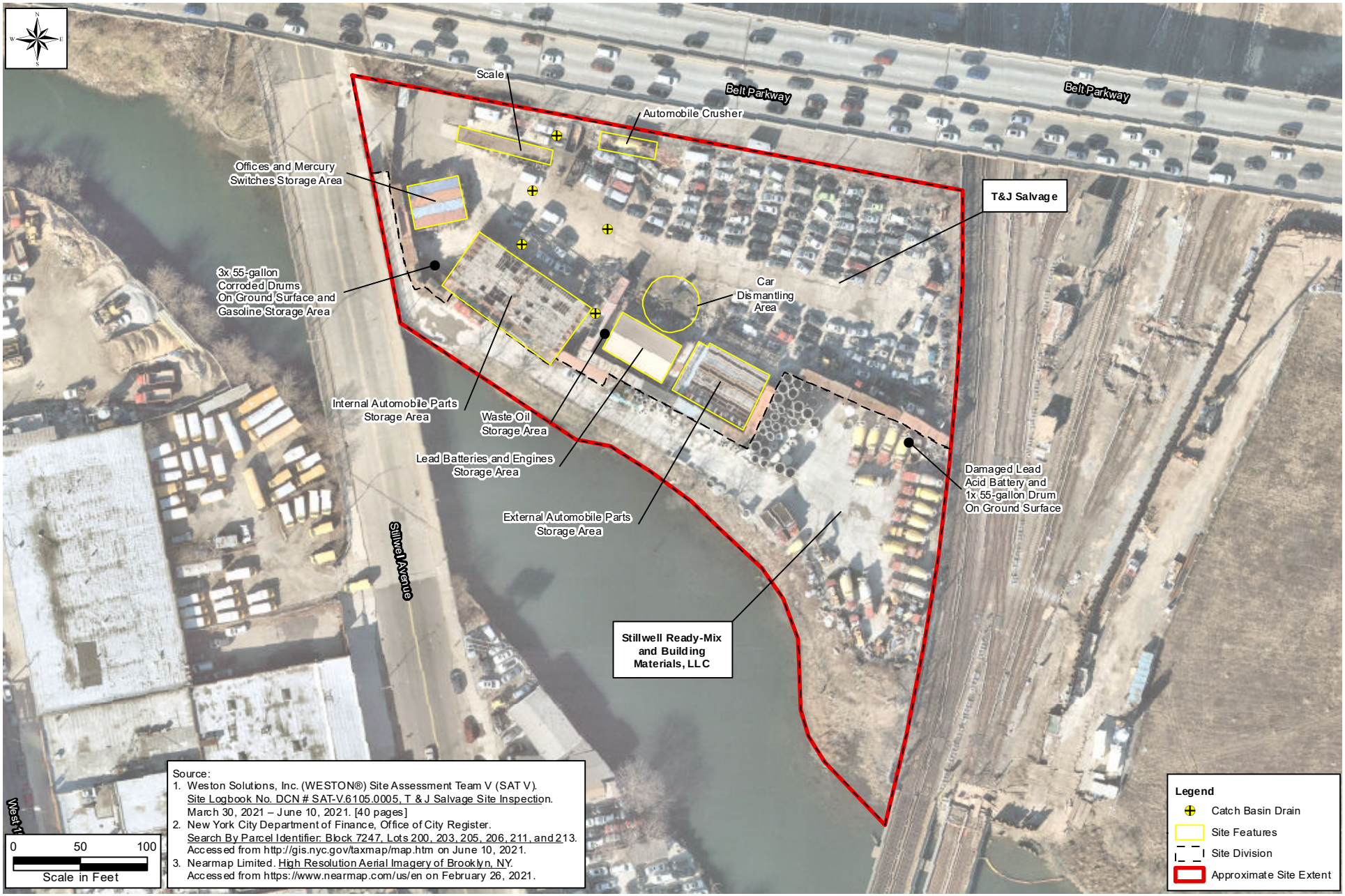
Coney Island Creek receives approximately 290 million gallons of discharges per year through permitted combined sewer overflow (CSO) outfalls and 1,487 million gallons of stormwater runoff per year [Ref. 22, p. 2]. Environmental characterizations of Coney Island Creek indicate that creek sediments are contaminated with polycyclic aromatic hydrocarbons (PAH), BTEX compounds (i.e., benzene, toluene, ethylbenzene, and xylene), and inorganic constituents [Ref. 23, p. 1], all of which are also associated with the T & J site. PAHs and BTEX compounds are known to be constituents of automotive fluids, including used oils [Ref. 50, p. 15; 51, p. 22; 54, p. 20]. Inorganic constituents may be released through the corrosion of metal automobile parts and improper handling and storage of vehicle components, such as lead-acid batteries and mercury switches [Ref. 66, pp. 1–2]. As stated previously, T & J is known to have collected thousands of gallons of used oil, as well as many lead-acid batteries and mercury switches at the facility [Ref. 16, p. 1].

On September 3, 2020, Weston Solutions, Inc. (WESTON®) Region 2 Site Assessment Team (SAT) performed an off-site reconnaissance at T & J in support of an Abbreviate Preliminary Assessment (APA) [Ref. 4, pp. 1–3, 13–21]. The facility was confirmed to be an active automobile scrap yard [Ref. 4, pp. 2, 13, 16– 17, 20]. Site conditions appeared to be similar to descriptions in the available background information and aerial imagery regarding poor housekeeping at the facility [Ref. 4, pp. 2, 12–20; 6, pp. 3–6; 11, p. 1; 12, p. 1]. The reconnaissance confirmed that fishing for human consumption occurs in the western portion of the creek at the Kaiser Park fishing pier; fishing is also known to occur in other parts of the creek [Ref. 4, pp. 2, 14, 21; 67, pp. 1–2].

On March 30, 2021, Region 2 Site Assessment Team V (SAT V) personnel conducted pre-sampling reconnaissance activities at and in the vicinity of the T & J site [Ref. 8, pp. 3–5]. The objective of the reconnaissance was to observe current site conditions and to select potential on- and off-site SI sample locations [Ref. 8, pp. 3–5]. Based on observations made during the reconnaissance, the facility comprises one covered garage, two open-air storage sheds, and conjoined Conex boxes that serve as offices and storage areas. ELVs are stored in the eastern portion of the subject property [Ref. 8, pp. 4, 15]. The southern portion of the property is leased by Stillwell Ready-Mix and Building Materials, LLC, and it is used for the storage of concrete mixing trucks and large-diameter concrete piping [Ref. 8, p. 3]. The ground surface of the property consists mostly of concrete pavement, bordered by narrow strips of vegetated land in some areas [Ref. 8, p. 5]. The concrete is impermeable; however, it is weathered in several places. No exposed soil was observed by Region 2 SAT V in the weathered areas [Ref. 8, p. 15]. **Figure 2** presents a Site Features Map.

Housekeeping at the salvage facility is poor [Ref. 8, pp. 3, 16–21]. ELVs are stored on the concrete with no secondary containment [Ref. 8, p. 16]. Internal automobile parts are stored by type in Conex boxes throughout the site [Ref. 8, pp. 3, 16]. External automobile parts are stored by type on open-air storage racks [Ref. 8, pp. 3, 17]. Moderate to severe staining was observed near the automobile crusher located along the northern portion of the property and the automobile dismantling area located near the center of the property [Ref. 8, pp. 4, 17]. Automobile engines and lead-acid batteries are stored on racks in the covered garage near the center of the site [Ref. 8, pp. 3–4, 18]. At the time of the reconnaissance, there were approximately 49 lead-acid batteries in the garage [Ref. 8, p. 3]. Moderate staining was observed on the floor of the garage, specifically below engines [Ref. 8, pp. 4, 18]. Oil and antifreeze wastes were stored in two 275-gallon totes in an alleyway east of the covered garage [Ref. 8, pp. 4, 19]. The two totes are on concrete with no secondary containment [Ref. 8, p. 4]. Three 55-gallon corroded drums were observed on the concrete in the western portion of the site [Ref. 8, pp. 3, 19]. The labels on the drums were unreadable [Ref. 8, p. 3]. The site representative indicated that the drums contain waste from an environmental investigation previously conducted at the site (year unknown but estimated to be greater than five years old) [Ref. 8, p. 5]. An approximately 75-gallon gasoline tank was observed adjacent to the three corroded drums [Ref. 8, pp. 3, 19]. The gasoline tank and the three corroded drums were on concrete with no secondary containment [Ref. 8, p. 3]. Mercury switches are stored in approved containers in the main office [Ref. 8, p. 4]. Trash, mostly consisting of broken plastic automobile parts, was observed along the eastern and northern edges of the site [Ref. 8, pp. 3, 20]. A damaged lead-acid battery and an unlabeled and corroded drum were observed on the ground in the southeastern portion of the property [Ref. 8, pp. 5, 21].

According to a T & J representative, no stormwater runoff leaves the site [Ref. 20, p. 1]. The on-site stormwater runoff is captured by five catch basins located near the center of the site [Ref. 8, pp. 4, 20; 20, p. 5]. These catch basins are concrete-lined pits and the stormwater captured by them evaporates through time after rainfall events [Ref. 20, p. 1]. Two of the on-site catch basins were observed to be nearly full to capacity of stagnant stormwater during the reconnaissance [Ref. 8, pp. 4, 20]. A slight sheen was noticeable on the stagnant stormwater [Ref. 8, pp. 5, 20]. Based on the reconnaissance observations and the finite volume of the catch basins, it is possible for the stormwater in the catch basins to overflow to the surrounding areas during rainfall events;



WESTON SOLUTIONS

DATE: December 2021

FIGURE #: 2

PROJECT: T & J Salvage SI

CLIENT NAME: EPA

TITLE:

SITE FEATURES MAP
T & J SALVAGE
BROOKLYN, KINGS COUNTY, NY

however, no drainage channels from the facility to Coney Island Creek were observed during the March 2021 reconnaissance [Ref. 8, pp. 4–5].

In April 2021, Region 2 SAT V personnel collected surface water and sediment samples as part of the Site Inspection (SI) evaluation of the Coney Island Creek site [Ref. 59, p. 1]. Region 2 SAT V collected a total of 12 surface water and 63 sediment samples [Ref. 59, pp. 1, 4, 6]. All surface water and sediment samples were analyzed for Organic Target Analyte List (TAL) Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), Pesticides, and Aroclors; and Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES) 11+ Metals (including mercury and cyanide) through the EPA Contract Laboratory Program (CLP) [Ref. 59, p. 1]. The following contaminants were detected in creek sediments at concentrations greater than or equal to three times (3x) the maximum background concentrations, or greater than the highest reporting detection limit (RDL) when all background results were non-detect: the VOC 1,2,4-trimethylbenzene; SVOCs phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benzo(g,h,i)perylene; pesticides 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, cis-chlordane, trans-chlordane; and metals barium, cadmium, calcium, chromium, cyanide, lead, silver, and zinc [Ref. 59, pp. 2, 6]. One of the sediment samples that exhibited detections of some of the above analytes (i.e., phenanthrene, fluoranthene, pyrene, and benzo(b)fluoranthene) was collected immediately south of the T & J site [Ref. 59, p. 6]. Iron was detected at a concentration greater than the highest background RDL in a surface water sample collected at the same location (all background results for iron were non-detect) [Ref. 59, p. 6].

On June 2 and 3, 2021, Region 2 SAT V personnel collected soil, groundwater, and stormwater samples as part of the SI evaluation of the T & J site. Region 2 SAT V collected a total of 21 soil samples (including two environmental duplicates), three groundwater samples (including one environmental duplicate), and one stormwater sample from the T & J site [Ref. 8, pp. 10 –21; 24, pp. 3, 5–11]. **Figure 3** presents the T & J Site Sample Location Map.

On June 7 and 8, 2021, Region 2 SAT V personnel collected background soil and groundwater samples associated with the SI evaluation of the T & J site. Region 2 SAT V collected a total of seven soil samples (including one environmental duplicate) and two groundwater samples (including one environmental duplicate) from a grass area just north of the Belt Parkway Exit 6N. The location is considered to represent background conditions for the SI evaluation because it is believed to be unaffected by activities or possible releases at the T & J site [Ref. 25, pp. 3, 5–8; 34, pp. 2–4; 35, p. 2]. **Figure 4** presents the Background Sample Location Map. All samples collected in support of the T & J Salvage site SI evaluation were analyzed by CLP laboratories for TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including mercury) [Ref. 24, p. 4; 25, p. 4].

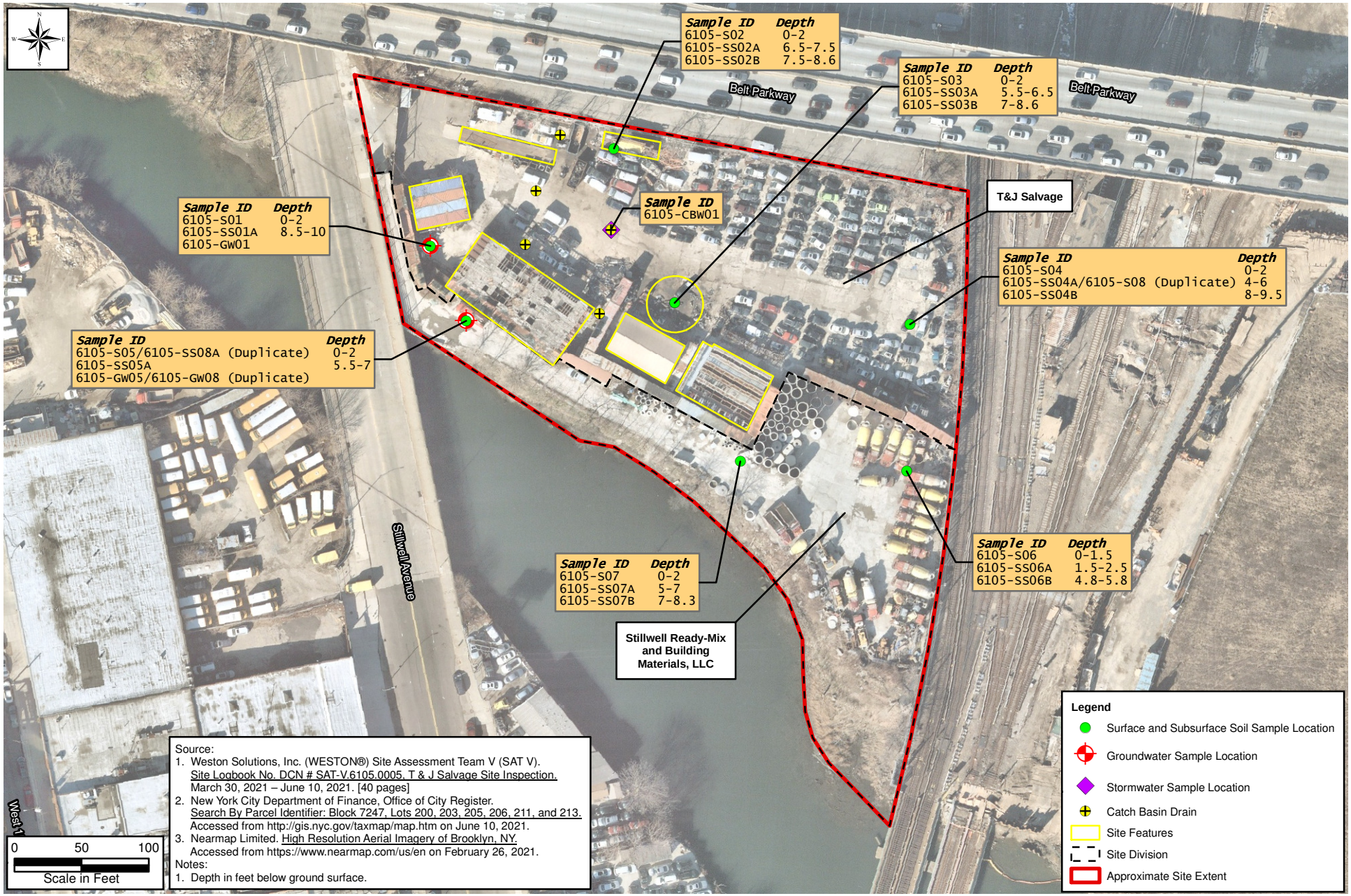
Analytical results for on-site soil and stormwater samples document the presence of CERCLA-eligible waste sources at the site. Contaminants (maximum concentrations) detected at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, in on-site soil include the VOCs chloroform (45 J- [estimated, possible low bias] micrograms per kilogram [µg/kg]), cyclohexane (140 J+ [estimated, possible high bias] µg/kg), trichloroethylene (TCE) (25 µg/kg),

methylcyclohexane (8,200 µg/kg), m,p-xylene (16 µg/kg), isopropylbenzene (11,000 µg/kg), 1,2,4-trimethylbenzene (11,000 µg/kg), and 1,3,5-trimethylbenzene (14 µg/kg); the SVOCs naphthalene (2,000 µg/kg), 1-methylnaphthalene (2,400 µg/kg), 2-methylnaphthalene (4,700 µg/kg), dimethylphthalate (1,200 µg/kg), fluorene (260 µg/kg), phenanthrene (4,700 µg/kg), anthracene (1,300 µg/kg), di-n-butylphthalate (4,100 µg/kg), fluoranthene (9,000 µg/kg), benzo(a)anthracene (5,000 µg/kg), chrysene (4,300 µg/kg), bis(2-ethylhexyl)phthalate (12,000 J [estimated] µg/kg), benzo(b)fluoranthene (4,700 µg/kg), benzo(k)-fluoranthene (1,700 µg/kg), and dibenzo(a,h)anthracene (600 µg/kg); the pesticides endosulfan II (270 µg/kg), 4,4'-DDD (7.6 J µg/kg), 4,4'-DDT (40 µg/kg), cis-chlordane (34 µg/kg), and trans-chlordane (46 µg/kg); the PCB Aroclor-1260 (90 µg/kg); and the metals antimony (10 mg/kg), barium (5,300 mg/kg), cadmium (7.0 mg/kg), iron (60,000 mg/kg), lead (5,900 mg/kg), silver (3.2 mg/kg), zinc (3,000 mg/kg), and mercury (2.5 mg/kg). Contaminants detected above RDLs in on-site stormwater include the VOCs cyclohexane (5.7 µg/L), methylcyclohexane (5.0 µg/L), toluene (23 µg/L), ethylbenzene (8.2 µg/L), o-xylene (26 µg/L), m,p-xylene (64 µg/L), 1,2,4-trimethylbenzene (41 µg/L), 1,3,5-trimethylbenzene (11 µg/L), copper (39 µg/L), iron (380 µg/L), and manganese (26 µg/L). Analytical results for groundwater samples collected in support of the T & J Salvage SI do not document an observed release to the Ground Water Migration Pathway.

Analytical results for samples collected in support of the Coney Island Creek SI document an observed release of site-related contaminants to the Surface Water Migration Pathway. Some of the creek contaminants (phenanthrene, fluoranthene, and benzo(b)fluoranthene in sediment, and iron in surface water) were detected at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, just south of the T & J facility as follows [Ref. 59, pp. 4, 6]:

Hazardous Substance	**Highest Background Level (Shell Bank Creek)**	**Release Concentration (Coney Island Creek, south of T & J)**
Phenanthrene (sediment)	650 U µg/kg (not detected)	810 µg/kg
Fluoranthene (sediment)	650 U µg/kg (not detected)	1,300 µg/kg
Benzo(b)fluoranthene (sediment)	650 U µg/kg (not detected)	690 µg/kg
Iron (surface water)	500 U µg/L (not detected)	600 µg/L

The 2021 SI sampling analytical results for the T & J and Coney Island Creek sites are discussed in detail in **Part III**. The release documented at T & J results in actual contamination of the NY-NJ Harbor Estuary, which is a sensitive environment identified under the National Estuary Program that encompasses all of Coney Island Creek [Ref. 40, Figure 7; 41, pp. 4–5, 99–100]. There is a downstream fishery at Kaiser Park that is subject to potential contamination [Ref. 4, pp. 2, 14, 21; 59, p. 6].



Source:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team V (SAT V). Site Logbook No. DCN # SAT-V.6105.0005, T & J Salvage Site Inspection. March 30, 2021 – June 10, 2021. [40 pages]
2. New York City Department of Finance, Office of City Register. Search By Parcel Identifier: Block 7247, Lots 200, 203, 205, 206, 211, and 213. Accessed from http://gis.nyc.gov/taxmap/map.htm on June 10, 2021.
3. Nearmap Limited. High Resolution Aerial Imagery of Brooklyn, NY. Accessed from https://www.nearmap.com/us/en on February 26, 2021.

Notes:
1. Depth in feet below ground surface.

WESTON SOLUTIONS

DATE: December 2021

FIGURE #: 3

PROJECT: T & J Salvage SI

CLIENT NAME: EPA

TITLE:

SITE SAMPLE LOCATION MAP
T & J SALVAGE
BROOKLYN, KINGS COUNTY, NY

Sources:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team V (SAT V). Site Logbook No. 1 of 2, DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection, May 28, 2021 – June 7, 2021. [8 pages]
2. WESTON SAT V. Site Logbook No. 2 of 2, DCN # SAT-V.6100.0056, Coney Island Creek Site Inspection, June 8, 2021. [4 pages]
3. ESRI World Imagery, 2021.

Notes:
1. ***The source of this map image is Esri, used by EPA with Esri's permission.***
2. Depth in feet below ground surface (ft bgs).

LEGEND:
- Upland Site Location
- Surface and Subsurface Soil Sample Location
- Groundwater Sample Location
- Coney Island Creek Area

TITLE:

BACKGROUND SAMPLE LOCATION MAP
BROOKLYN, KINGS COUNTY, NY

PROJECT: T & J Salvage SI

CLIENT NAME: EPA

DATE: December 2021

FIGURE #: 4

Path: P:\SAT2\ConeyIslandCreek\MXD\TJ_Auto\SI\27108_CI_Creek6105_TJ_Auto_Soil_Background_SI.mxd

SITE INSPECTION REPORT

PART I: SITE INFORMATION

1. Site Name/Alias T & J Salvage

   Street 2647 Stillwell Avenue

   City Brooklyn State New York Zip 11223

2. County Kings County Code 047 Cong. Dist. 11th

3. EPA ID No. NYN000203544

4. Block No. 7247 Lot Nos. 200, 203, 205, 206, 211, and 213*

   * The T & J salvage yard also extends north into Lots 210, 216, and the Belt Parkway right-of-way.

5. Latitude* +40.582620º Longitude* -73.981731º

   * The latitude and longitude values are an update for the EPA database, based on the SI sampling results. These coordinates correspond to location 6105-S03 on the subject property. The coordinates were recorded using GPS technology on June 2, 2021. The coordinate system is WGS 1984 [Ref. 24, p. 4; 25, p. 4].

   USGS Quad(s) Coney Island

6. Approximate size of site 2.9 acres

7. Owner M.A.A.T.T. LLC

   Site Contact Thomas Paolino Telephone No. (718) 946-6200

   Address 2647 Stillwell Avenue, Brooklyn, NY 11223

8. Operator T & J Auto Salvage

   Site Contact Angelo Paolino Telephone No. (718) 967-0293

   Address 2647 Stillwell Avenue, Brooklyn, NY 11223

9. Type of Ownership

_X_ Private ___ Federal ___ State

___ County ___ Municipal ___ Unknown ___ Other_____

10. Owner/Operator Notification on File

___ RCRA 3010 Date_____ ___ CERCLA 103c Date_____

_X_ None ___ Unknown

11. Permit Information

Permit Type	Permit No.	Expiration Date	Reference(s)
Vehicle Dismantling Facility Registration	24V50008	February 13, 2025	28, p. 1
National Pollutant Discharge Elimination System	NYR00D555	February 28, 2023	18, p. 1

12. Site Status

_X_ Active ___ Inactive ___ Unknown

13. Years of Operation: 1940-present

The subject property is owned by M.A.A.T.T. LLC. It consists of six conjoined tax lots (i.e., Block 7247; Lots 200, 203, 205, 206, 211, and 213). Historical city directories indicate that the subject property has been utilized as an automobile wrecking facility since at least 1940 by the following companies:

Year	Facility Listing
1940	Hub Auto Wrecking
1949	Johnsons Auto Glass Co
1976	City Wide Auto Salvage Ltd
1985	T & J Salvage Corp
1992	Midtown Enterprises and T & J Salvage Corp
1997	T & J Salvage Corp
2000	NECDET GUL and T & J Salvage Corp
2005	T & J 3 Salvage Corp

14. Identify the types of waste sources (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

a) Waste Sources

Waste Unit No.	Waste Source Type	Facility Name for Unit
1	Contaminated Soil	N/A
2	Tanks/Containers	Catch Basin Stormwater

b) Other Areas of Concern

No other areas of concern have been identified.

Ref. 1, p. 1; 2, p. 1; 7, p. 5; 9, pp. 1–2, 8; 10, pp. 1–12; 14, p. 4; 26, p. 1; 27, p. 1; 40, Figure 5.

15. Describe the regulatory history of the site, including the scope and objectives of any previous response actions, investigations and litigation by State, Local and Federal agencies (indicate type, affiliation, date of investigations).

- **Spill Report, NYSDEC, June 2003** – Spill at the T & J site was reported to NYSDEC by the NYPD. Report indicates that multiple discharges of automotive waste fluids were identified throughout the property and impact to Coney Island Creek is suspected. An environmental investigation was requested to determine off-site impacts [Ref. 11, p. 1].

- **Joint Investigation, NYPD/NYSDEC DLE, August 2003** – A search warrant was executed at the T & J site by the NYPD and NYSDEC DLE. NYSDEC DLE observed surface spills and free product on standing water and directed the responsible party (i.e., T & J) to immediately contain and recover the product [Ref. 12, p. 1].

- **Order on Consent, NYSDEC, April 2004** – T & J received an Order on Consent issued by NYSDEC as a result of the automotive waste fluids identified throughout the property in August 2003. The remedies under the Order on Consent included that T & J were required to cleanup and remove any release of petroleum at the site [Ref. 14, pp, 1–2, 6].

- **Subsurface Investigation, Key Environmental on behalf of T & J, October 2004** – T & J conducted a subsurface environmental investigation at the site under NYSDEC oversight. Nineteen soil samples were collected from 17 direct-push boreholes advanced to 10 feet bgs. One groundwater sample was collected from each of two boreholes. All soil samples were analyzed for VOCs and SVOCs via analytical methods 8260B and 8270C, respectively. Only two soil samples were analyzed for metals via analytical method 6020. The two groundwater samples were analyzed for only SVOCs via analytical method 8270C. NYSDEC noted several deficiencies with T & J's

sampling procedures, including a nonworking photoionization detector (PID), samples not kept on ice in a cooler, cross-contamination of samples by sampler's field knife, and direct-push sleeves left cut open for long periods prior to sample collection. Analytical results are discussed in **Part III** [Ref. 11, p. 1; 13, p. 13; 15, pp. 5–6, 8, 134–137].

- **Remedial Investigation Report (RIR), Key Environmental on behalf of T & J, February 2005** – The RIR indicates that xylene (23 mg/kg) and ethylbenzene (3.12 mg/kg) were detected in soil at one location, at a depth of 0 to 1 foot beneath an area covered with an 8-inch-thick concrete slab near where fluids are drained from engines; and that all other soil and groundwater samples only contain trace concentrations of VOCs and/or SVOCs. Analytical data shows that cadmium (1.86 mg/kg), chromium (24.4 mg/kg), lead (438 mg/kg), mercury (0.271 mg/kg), and vanadium (47.3 mg/kg) were detected in soil at one location (near the present-day lead batteries and engines storage area); however, there is no discussion of metals in soil in the report. The RIR concluded that, with the exception of the soil sample collected beneath the 8-inch-thick concrete slab near where fluids are drained from engines, no contamination was detected in soil or groundwater; and recommended to remove the T & J facility from the NYSDEC Spill List. In April 2010, NYSDEC removed T & J from the Spill List based on the RIR and subsequent site visits [Ref. 11, pp. 2–3; 15, pp. 5–6, 127–129].

- **Tidal Wetlands Adjacent Area Jurisdiction Determination, AKRF on behalf of T & J, June 2015** – T & J submitted a letter to NYSDEC requesting a Tidal Wetlands Adjacent Area Jurisdictional Determination regarding wetlands along the site's southern shoreline and Coney Island Creek. In August 2015, NYSDEC issued a Notice of Incomplete Application with regard to the jurisdictional determination request. In September 2016, NYSDEC inspected the T & J facility and subsequently issued a Notice of Violation (NOV) to property owner M.A.A.T.T. LLC for placement of fill in tidal wetlands, paving over the adjacent area without a permit, and construction of a commercial accessory structure without a permit [Ref. 29, pp. 1–4; 30, p. 1; 31, p. 1].

- **Notice of Violation, NYSDEC, May 2019** – NOV for failure to submit the 2018 Annual Certification Report (ACR) to comply with the terms and conditions of the facility's SPDES permit [Ref. 32, p. 1].

- **Off-site Reconnaissance, WESTON SAT, September 2020** – Off-site reconnaissance of T & J in support of an APA. Region 2 SAT V did not collect samples associated with the APA. The facility was confirmed to be an active automobile scrap yard. Site conditions appeared to be similar to descriptions in the available background information and aerial imagery regarding poor housekeeping at the facility [Ref. 4, pp. 1–5, 14, 12–21; 6, pp. 3–6; 11, p. 1; 12, p. 1].

- **On-site Reconnaissance, WESTON SAT V, March 2021** – On-site reconnaissance to observe current site conditions in support of the SI, and to select potential SI sampling locations. Region 2 SAT V observed poor housekeeping at the T & J facility. ELVs are stored on the concrete with no secondary containment or run-on/runoff

control measures. Moderate to severe staining was observed near the automobile crusher located along the northern portion of the property and the automobile dismantling area located near the center of the property. Used oil and antifreeze waste were stored in two 275-gallon totes with no secondary containment. Three 55-gallon corroded drums with waste from a previous environmental investigation conducted at the site and an approximately 75-gallon gasoline tank were observed in an area with no secondary containment. A damaged lead-acid battery and an unlabeled and corroded drum were observed on the ground in the southeastern portion of the facility. No drainage channels from the facility to Coney Island Creek were observed during the reconnaissance [Ref. 8, pp. 3–5, 15–21].

- **SI Sampling, WESTON SAT V, June 2021** – In support of the SI evaluation, Region 2 SAT V collected a total of 21 soil samples, three groundwater samples, and one stormwater sample from the T & J site; and seven soil samples and two groundwater samples from a grass area just north of the Belt Parkway Exit 6N considered to represent background conditions for the SI evaluation. All samples were analyzed for Organic TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including Hg), by CLP laboratories [Ref. 8, pp. 22–30; 24, pp. 3, 5–11; 25, pp. 3, 5–8]. Sample analytical results are discussed in **Part III**.

a) Is the site or any waste source subject to Petroleum Exclusion? Identify petroleum products and by products that justify this decision.

The Petroleum Exclusion would apply to the two 275-gallon waste fluids (i.e., engine oil, transmission fluid, axle fluid, hydraulic fluid, power steering fluid, brake fluid, etc.) storage totes and the approximately 75-gallon waste gasoline tank, which is occasionally used to refuel the site vehicles. The two waste fluids storage totes and the gasoline tank have no secondary containment. As discussed in **Part III**, the 2021 SI sampling presented detections of cyclohexane, methylcyclohexane, m,p-xylene, isopropylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and naphthalene in soil. These analytes are known constituents of used oils and fuels (i.e., gasoline and diesel).

Ref. 8, pp. 3, 18; 47, pp. 50, 52, 56, 58, 84, 96, 118; 50, p. 15.

b) Has normal farming application of pesticides registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) occurred at the site? Have pesticides been produced or stored at the site? Have there been any leaks or spills of pesticides on site?

Available background information does not indicate that agricultural activities have been conducted on site. It is unknown if pesticides regulated under FIFRA were applied to the subject site. Pesticides are not known to have been produced or stored at the site, and there are no records of leaks or spills of pesticides on-site.

As discussed in **Part III**, the June 2021 SI sampling showed detections of the following pesticides at concentrations greater than or equal to 3x the maximum background

concentration, or greater than the highest RDL when all background results were non-detect, in soil at the T & J site: endosulfan II, 4,4'-DDD, 4,4'-DDT, cis-chlordane, and trans-chlordane in soil. The subject site has been utilized for automobile salvage operations since at least 1940. Historical aerial photos indicate that automobile salvage operations were conducted on exposed soil until at least 1966. Pesticides are not directly related to historical or current operations. Automobile salvage, which involves depositing a variety of junk vehicles and other scrap on the site, has been the main use of the property since development.

Ref. 5, pp. 11–38; 6, pp. 3–15; 7, pp. 4–8; 47, pp. 41, 47, 67, 81, 87, 99, 105, 117, 179, 199, 215.

c) Is the site or any waste source subject to Resource Conservation and Recovery Act (RCRA) Subtitle C (briefly explain)?

The facility sells/recycles the petroleum-related waste fluids recovered (i.e., engine oil, transmission fluid, axle fluid, hydraulic fluid, power steering fluid, brake fluid, etc.) and scrap metal (i.e., lead-acid batteries and mercury switches). Therefore, neither the site nor any waste source is subject to RCRA Subtitle C.

Ref. 16, p. 1; 33, p. 1.

d) Is the site or any waste source maintained under the authority of the Nuclear Regulatory Commission (NRC)?

The subject site has been utilized for automobile salvage activities since at least 1940 and is not known to have handled radiological materials. Prior to 1940, residences and streets occupied the site. Neither the site nor any waste source is maintained under the authority of the NRC.

Ref. 5, pp. 11–36; 6, pp. 3–15; 7, p. 5.

16. Do any conditions exist on site which would warrant immediate or emergency action?

No conditions were noted which would warrant immediate or emergency action during the March 2021 site reconnaissance or the June 2021 SI sampling.

Ref. 4, pp. 3–12.

17. Information available from:

Contact: Denise Zeno Agency: EPA Region 2 Tel. No.: (212) 637-4319

Preparer: Habib Bravo-Ruiz Agency: Region 2 START V Date: December 2021

PART II: WASTE SOURCE INFORMATION

For each of the waste units identified in Part I, complete the following items.

Waste Unit 1 – Contaminated Soil

Source Type

_____ Landfill	___X___ Contaminated Soil
_____ Surface Impoundment	_____ Pile
_____ Drums	_____ Land Treatment
_____ Tanks/Containers	_____ Other

Description:

1. Describe the types of containers, impoundments, or other storage systems (i.e., concrete - lined surface impoundments) and any labels that may be present.

   On June 2 and 3, 2021, Region 2 SAT V personnel collected soil samples from seven boreholes advanced throughout the T & J site using Geoprobe direct-push technology. Region 2 SAT V collected a total of 21 soil samples (including two environmental duplicates). Soil borings were screened using a PID in 6-inch intervals. PID readings above background were noted in the soil cores from locations 6105-S02, 6105-S03, 6105-S04, and 6105-S05. In borings where no PID readings above background were noted, soil samples were collected in intervals approximately at the surface, mid-point, and bottom of the borehole. All samples collected in support of the T & J site SI evaluation were analyzed by CLP laboratories for TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including mercury).

   Soil sample analytical results document the presence of a contaminated soil source at the site consisting of the VOCs chloroform, cyclohexane, TCE, methylcyclohexane, m,p-xylene, isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene; the SVOCs naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, dimethylphthalate, fluorene, phenanthrene, anthracene, di-n-butylphthalate, fluoranthene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)-fluoranthene, and dibenzo(a,h)anthracene; the pesticides endosulfan II, 4,4'-DDD, 4,4'-DDT, cis-chlordane, and trans-chlordane; the PCB Aroclor-1260; and the metals antimony, barium, cadmium, iron, lead, silver, zinc, and mercury. The majority of the detections greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, were associated with soil samples collected from the northern, central, and eastern portions of the site, including 6102-S02 (i.e., Borehole 2), which was collected near the automobile crusher; 6102-S03 (i.e., Borehole 3), which was collected in the automobile dismantling area; 6102-S04 (i.e., Borehole 4), which was collected in the ELVs

storage area; and 6102-S06 (i.e., Borehole 6), which was collected adjacent to a damaged lead-acid battery and an unlabeled 55-gallon drum.

The T & J subject property has been utilized for automobile salvage activities since at least 1940. Historical aerial photos indicate that automobile salvage operations were conducted on exposed soil until at least 1966. Therefore, the presence of the previously mentioned contaminants in soil are considered to be directly related to facility operations as discussed below:

- Chloroform is a man-made by-product formed when chlorine is used to disinfect water. It is used as a solvent for lacquers, floor polishes, resins, adhesives, alkaloids, fats, oil, and rubber. Xylene (m,p-xylene) is a BTEX compound and known constituent in fuel (i.e., gasoline and diesel) and used oil, together with cyclohexane, methylcyclohexane, isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. TCE is a documented constituent in degreasers and used oil. Naphthalene, 1-methylnaphthalene, 2-methylnaphtalene, fluorene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)-fluoranthene, and dibenzo(a,h)anthracene are PAHs, which can accumulate in used oil primarily as the result of incomplete combustion of fuel. The phthalates bis(2-ethylhexyl)phthalate, dimethylphthalate, and di-n-butylphthalate are manufactured chemicals. They are used as plasticizers in order to make plastic soft and flexible, and can be found in automobile upholstery and numerous other products. T & J is known to have processed thousands of ELVs at the facility; collecting a substantial amount of plastic automobile components and more than 4,400 gallons of used oil in the process.

- The pesticides endosulfan II, 4,4'-DDD, 4,4'-DDT, cis-chlordane, and trans-chlordane could have been used or spilled at the site before it was paved. According to historical aerial photos, automobile salvage operations seem to have been conducted on exposed soil until at least 1966, prior to the banning of commercial pesticides.

- PCBs (including Aroclor-1260) were manufactured between 1929 and 1979 and used extensively in many applications. The use of PCBs was banned by the EPA Toxic Substances Control Act (TSCA) in 1979; however, PCBs may still be present in products and materials produced before 1979 (including oil used in motors and hydraulic systems).

- The ELV salvaging process at the T & J facility generated tons of scrap metal as well as thousands of lead-acid batteries and hundreds of mercury switches from 2013 to 2019 (i.e., a period of 7 years). There is no documentation for ELVs processed nor lead-acid batteries/mercury switches recovered prior to 2013; however, the long history of automobile salvage operations at the facility dates back to 1940 (i.e., a period of more than 80 years). Therefore, the detections of the metals antimony, barium, cadmium, iron, lead, silver, zinc, and mercury in on-site soil are considered to be site-related.

Ref. 6, pp. 9–14; 8, pp. 3, 16; 16, p. 1; 24, pp. 2–9; 40, Figure 5; 49, p. 1; 50, p. 15; 51, pp. 22, 24–25; 52, p. 1; 54, pp. 19–20; 55, p. 2; 57, p. 1.

2. Describe the physical condition of the containers or storage systems (i.e., rusted and/or bulging drums).

   Presently, T & J conducts automobile salvage operations in the northern portion of the subject property; however, review of historical aerial photos (i.e., 1954, 1961, 1966, and 1984) indicate that automobile salvage operations have been conducted throughout the whole 126,324 square-foot (ft^2) subject property. The historical aerial photos also indicate that automobile salvage operations were conducted on exposed soil until at least 1966. Currently, the ground surface of the subject property consists mostly of concrete pavement, bordered by narrow strips of vegetated land in some areas. The concrete is old, and in some areas, damaged and cracked. Site topography slightly slopes to five stormwater runoff catch basins near the center of the site. During the June 2021 SI sampling event, direct-push cores were collected and logged. The average concrete pavement thickness was 6.1 inches. The predominant type of soil observed at subsurface depths (i.e., greater than 2 feet bgs) were fine to coarse sand and gravel.

   Ref. 6, pp. 9–14; 8, pp. 5, 15, 32–38; 24, pp. 5–9; 40, Figure 2.

3. Describe any secondary containment that may be present (e.g., drums on concrete pad in building or aboveground tank surrounded by berm).

   There is no secondary containment associated with the on-site contaminated soil.

   Ref. 8, p. 15–21; 40, Figure 5.

Hazardous Waste Quantity

An area of contaminated soil at the site is delineated by sampling locations that indicate the presence of hazardous substances at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, and the area lying between these locations. The area of contaminated soil is estimated to be 35,365 ft^2.

Ref. 40, Figure 5.

Hazardous Substances/Physical State

The following hazardous substances and maximum concentrations are present in on-site contaminated soil:

Chloroform	45 J- µg/kg
Cyclohexane	140 J+ µg/kg (adjusted concentration 14 µg/kg)
Trichloroethylene	25 µg/kg
Methylcyclohexane	8,200 µg/kg

m,p-Xylene	16 µg/kg
Isopropylbenzene	11,000 µg/kg
1,2,4-Trimethylbenzene	11,000 µg/kg
1,3,5-Trimethylbenzene	14 µg/kg
Naphthalene	2,000 µg/kg
1-Methylnaphthalene	2,400 µg/kg
2-Methylnaphthalene	4,700 µg/kg
Dimethylphthalate	1,200 µg/kg
Fluorene	260 µg/kg
Phenanthrene	4,700 µg/kg
Anthracene	1,300 µg/kg
Di-n-butylphthalate	4,100 µg/kg
Fluoranthene	9,000 µg/kg
Benzo(a)anthracene	5,000 µg/kg
Chrysene	4,300 µg/kg
Bis(2-ethylhexyl)phthalate	12,000 J µg/kg
Benzo(b)fluoranthene	4,700 µg/kg
Benzo(k)fluoranthene	1,700 µg/kg
Dibenzo(a,h)anthracene	600 µg/kg
Endosulfan II	270 µg/kg
4,4'-DDD	7.6 J µg/kg
4,4'-DDT	40 µg/kg
Cis-chlordane	34 µg/kg
Trans-chlordane	46 µg/kg
Aroclor-1260	90 µg/kg
Antimony	10 mg/kg
Barium	5,300 mg/kg
Cadmium	7.0 mg/kg
Iron	60,000 mg/kg
Lead	5,900 mg/kg
Silver	3.2 mg/kg
Zinc	3,000 mg/kg
Mercury	2.5 mg/kg

Summaries of the soil sample analytical results, including comparisons to background concentrations and reference citations, are presented in **Part III**. The physical state of the contaminated soil is solid.

Ref. 40, Figure 5; 47, pp. 42, 50, 56, 58, 67, 90, 96, 105–107, 110, 113, 118, 199, 201, 207; 48, pp. 23–24, 28, 36.

PART II: WASTE SOURCE INFORMATION

For each of the waste units identified in Part I, complete the following items.

Waste Unit 2 – Catch Basin Stormwater

Source Type

_____ Landfill	_____ Contaminated Soil
_____ Surface Impoundment	_____ Pile
_____ Drums	_____ Land Treatment
X Tanks/Containers	_____ Other

Description:

1. Describe the types of containers, impoundments, or other storage systems (i.e., concrete - lined surface impoundments) and any labels that may be present.

   The on-site stormwater runoff is captured by five catch basins located near the center of the site. The catch basins are concrete-lined pits. According to facility information, the stormwater captured by the basins evaporates over time and there is no known connection between the catch basins and the creek. However, Region 2 SAT V observed two of the catch basins to be nearly full of stagnant stormwater with a noticeable sheen during the March 2021 site reconnaissance. Based on the reconnaissance observations and the finite volume of the catch basins, it is possible for the stormwater in the catch basins to overflow to the surrounding areas during significant rainfall events. According to a site representative, no stormwater runoff leaves the site; however, SPDES Notice of Intent forms submitted by T & J to NYSDEC indicate that site stormwater runoff enters the New York City Municipal Separate Stormwater Sewer System (i.e., roadside drains, swales, ditches, culverts, etc.) and discharges into Coney Island Creek.

   Ref. 8, pp. 4, 20; 19, p. 1; 20, pp. 1, 5; 40, Figure 2.

2. Describe the physical condition of the containers or storage systems (i.e., rusted and/or bulging drums).

   During the March 2021 site reconnaissance, Region 2 SAT V observed two of the catch basins to be nearly full to capacity of stagnant stormwater. A slight sheen was noticeable on the stagnant stormwater. Based on the reconnaissance observations and the finite volume of the catch basins, it is possible for the stormwater in the catch basins to overflow to the surrounding areas during significant rainfall events. According to a site representative, no stormwater runoff leaves the site; however, SPDES Notice of Intent forms submitted by T & J to NYSDEC indicate that site stormwater runoff enters the New York City Municipal Separate Stormwater

Sewer System (i.e., roadside drains, swales, ditches, culverts, etc.) and discharges into Coney Island Creek.

Ref. 8, pp. 4–5; 20; 19, p. 1; 40, Figure 2.

3. Describe any secondary containment that may be present (e.g., drums on concrete pad in building or aboveground tank surrounded by berm).

   There is no secondary containment associated with the catch basins.

   Ref. 20, p. 1.

Hazardous Waste Quantity

The total capacity of the catch basins is estimated to be 10,000 gallons; therefore, the hazardous waste quantity used for the purpose of this report is 10,000 gallons.

Ref. 20, p. 1.

Hazardous Substances/Physical State

The following hazardous substances and maximum are present in the catch basin stormwater:

Cyclohexane	5.7 µg/L
Methylcyclohexane	5.0 µg/L
Toluene	23 µg/L
Ethylbenzene	8.2 µg/L
o-Xylene	26 µg/L
m,p-Xylene	64 µg/L
1,2,4-Trimethylbenzene	41 µg/L
1,3,5-Trimethylbenzene	11 µg/L
Copper	39 µg/L
Iron	380 µg/L
Manganese	26 µg/L

Summaries of the stormwater sample analytical results, including reference citations, are presented in **Part III**. The physical state of the contaminated stormwater is liquid.

Ref. 47, p. 248; 48, p. 98.

PART III. SAMPLING RESULTS

EXISTING ANALYTICAL DATA

Key Environmental Subsurface Investigation, October 2004 – Key Environmental, on behalf of T & J, conducted a subsurface environmental investigation at the site under NYSDEC oversight [Ref. 11, p. 1; 15, pp. 4–5]. They collected 19 soil and 2 groundwater samples from 17 direct-push boreholes advanced to 10 feet bgs [Ref. 15, pp. 5–6; 8]. All soil samples were analyzed for VOCs and SVOCs via analytical methods 8260B and 8270C, respectively [Ref. 15, pp. 134–137]. Two soil samples were analyzed for metals via analytical method 6020 [Ref. 15, pp. 135–137]. The two groundwater samples were only analyzed for SVOCs via analytical method 8270C [Ref. 15, pp. 136–137].

VOC analysis for soil sample SB-11, collected from a borehole advanced inside the automobile parts storage building, reported detections of xylene (124 mg/kg), toluene (2.70 mg/kg), and ethylbenzene (0.84 mg/kg) [Ref. 15, pp. 8, 68]. Analysis of soil sample SB-12, which was collected from a borehole advanced near the present-day lead batteries and engines storage area, indicated detections of benzene (0.645 mg/kg), toluene (2.16 mg/kg), ethylbenzene (1.15 mg/kg), and xylene (3.03 mg/kg) [Ref. 15, pp. 8, 68]. Analysis of soil sample SB-16A, which was collected from a borehole advanced in an area covered with an 8-inch-thick concrete slab near where fluids are drained from engines, indicated detections of xylene (23 mg/kg), toluene (0.323 mg/kg), and ethylbenzene (3.12 mg/kg) [Ref. 15, pp. 8, 36]. All other soil samples, including two deeper soil samples acquired from the same boring as SB-16A, indicated non-detect or trace concentrations of VOCs, including BTEX compounds [Ref. 15, pp. 8, 36, 38, 64, 66, 68, 72].

SVOC analysis indicated that the highest concentrations of benzo[b]fluoranthene (7.48 mg/kg), benzo[k]fluoranthene (4.99 mg/kg), benzo[a]pyrene (7.36 mg/kg), chrysene (8.73 mg/kg), indeno[1,2,3-c,d]pyrene (3.77 mg/kg), and dibenz(a,h)anthracene (1.91 mg/kg) were reported for soil sample SB-15, which was collected near the center of the site [Ref. 15, pp. 8, 37]. The highest concentration of benzo[a]anthracene (6.71 mg/kg) was detected in SB-8, collected adjacent to stacked ELVs [Ref. 15, pp. 8, 67]. Analytical results for soil sample SB-11 showed a detection of bis(2-ethylhexyl)phthalate (19.9 mg/kg) [Ref. 15, pp. 8, 69].

Analytical results for metals indicated the presence of arsenic (4.28 mg/kg), barium (296 mg/kg), cadmium (1.86 mg/kg), chromium (24.4 mg/kg), cobalt (4.11 mg/kg), iron (18,100 mg/kg), lead (438 mg/kg), mercury (0.271 mg/kg), nickel (21.4 mg/kg), vanadium (43.7 mg/kg), and zinc (402 mg/kg) in soil sample SB-12 [Ref. 15, p. 71]. This sample was collected from a borehole advanced near the present-day lead batteries and engines storage area [Ref. 15, p. 8]. Arsenic (4.03 mg/kg), chromium (24.4 mg/kg), cobalt (5.61 mg/kg), iron (19,800 mg/kg), lead (88.3 mg/kg), mercury (0.108 mg/kg), vanadium (38.5 mg/kg), and zinc (134 mg/kg) were also detected in soil sample SB-14, which was collected from a borehole advanced in the southern portion of the property [Ref. 15, pp. 8, 74].

Key Environmental encountered groundwater at two borehole locations (SB-7 and SB-14) [Ref. 15, p. 8]. Analytical results for groundwater samples collected at the two borehole locations showed maximum concentrations of the SVOCs naphthalene (35 µg/L), 2-methylnaphtalene (9.98

µg/L), benzo[a]anthracene (0.893 µg/L), chrysene (0.989 µg/L), benzo[b]fluoranthene (0.631 µg/L), and benzo[a]pyrene (0.714 µg/L) [Ref. 15, p. 63].

NYSDEC noted several deficiencies with T & J's (i.e., Key Environmental) sampling procedures during the subsurface investigation sampling, including a nonworking PID, samples not kept on ice in a cooler, cross-contamination of samples by sampler's field knife, and direct-push sleeves left cut open for long periods prior to sample collection [Ref. 11, p. 1].

REGION 2 SAT V CONEY ISLAND CREEK SAMPLING RESULTS, APRIL 2021

In April 2021, Region 2 SAT V personnel collected surface water and sediment samples as part of the SI evaluation of the Coney Island Creek site [Ref. 59, p. 1]. Region 2 SAT V collected a total of 12 surface water and 63 sediment samples [Ref. 59, p. 1]. Eight surface water samples (including one environmental duplicate) and 50 sediment samples (including three environmental duplicates) were collected from Coney Island Creek [Ref. 59, pp. 1–2, 4]. Four surface water samples and 13 sediment samples (including one environmental duplicate) were collected from Shell Bank Creek for evaluation of background conditions [Ref. 59, pp. 1–2, 6]. All surface water and sediment samples, as well as their respective QA/QC samples, were analyzed for Organic TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including mercury and cyanide) through EPA CLP [Ref. 59, p. 1].

The following analytes were detected at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, in the creek's sediment: the VOC 1,2,4-trimethylbenzene (190 micrograms per kilogram [µg/kg]); SVOCs phenanthrene (2,600 µg/kg), anthracene (700 µg/kg), fluoranthene (4,500 J µg/kg), pyrene (3,700 µg/kg), benzo(a)anthracene (2,100 µg/kg), chrysene (2,100 µg/kg), bis(2-ethylhexyl)phthalate (2,500 µg/kg), benzo(b)fluoranthene (2,900 µg/kg), benzo(k)fluoranthene (820 µg/kg), benzo(a)pyrene (2,300 µg/kg), indeno(1,2,3-cd)pyrene (1,200 µg/kg), benzo(g,h,i)perylene (1,300 µg/kg); pesticides 4,4'-DDE (23 J µg/kg), 4,4'-DDD (46 µg/kg), 4,4'-DDT (290 µg/kg), cis-chlordane (9.6 µg/kg), trans-chlordane (14 µg/kg); and metals barium (610 J mg/kg), cadmium (15 J mg/kg), calcium (25,000 J mg/kg), chromium (290 J mg/kg), cyanide (5.5mg/kg), lead (1,600 J mg/kg), silver (11 J mg/kg), and zinc (1,900 mg/kg) [Ref. 59, pp. 2, 6]. Iron (600 µg/L) and cyanide (40 J- µg/L) were the only substances detected above the highest background RDLs (all background results were non-detect) in the creek's surface water [Ref. 59, p. 6].

One of the sediment samples that exhibited detections of some of the above analytes (i.e., phenanthrene [810 µg/kg], fluoranthene [1,300 µg/kg], pyrene [1,100 µg/kg], and benzo(b)fluoranthene [690 µg/kg]) was collected immediately south of the T & J site [Ref. 59, p. 6]. Iron (600 µg/L) was detected in a surface water sample collected at the same location [Ref. 59, p. 6].

REGION 2 SAT V SAMPLING RESULTS, JUNE 2021

On June 2 and 3, 2021, Region 2 SAT V personnel collected soil, groundwater, and stormwater samples as part of the SI evaluation of the T & J site. Region 2 SAT V collected a total of 21 soil

samples (including two environmental duplicates) and three groundwater samples (including one environmental duplicate) from seven Geoprobe® direct-push boreholes advanced throughout the site. Region 2 SAT V also collected a stormwater sample from one of the on-site catch basins [Ref. 8, pp. 6–12; 24, pp. 3, 5–11].

On June 7 and 8, 2021, Region 2 SAT V personnel collected background soil and groundwater samples associated with the SI evaluation of the T & J site. Region 2 SAT V collected a total of seven soil samples (including one environmental duplicate) and two groundwater samples (including one environmental duplicate) from two Geoprobe® direct-push boreholes advanced in a grass area just north of the Belt Parkway Exit 6N. The location is considered to represent background conditions for the SI evaluation because it is believed to be unaffected by activities or possible releases at the T & J site [Ref. 25, pp. 3, 5–8; 34, pp. 2–4; 35, p. 2].

The direct-push boreholes were advanced to a maximum depth of 10 feet. Up to three soil samples were collected from each borehole based on visual observation and field screening results using a PID [Ref. 24, p. 3; 25, p. 3]. The proposed on-site direct-push samples 6105-SS01B and 6105-SS05B were not collected due to poor soil recovery [Ref. 24, p. 3].

All samples were analyzed for Organic TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including Hg) by CLP laboratories (Chemtech Consulting Group [Organics] and Pace Analytical Services, LLC [Inorganics]) [Ref. 24, p. 2; 25, p. 2]. Organic TAL VOC soil sample fractions were collected with dedicated EnCore™ sampling devices directly from the soil core. All other CLP sample fractions, including the percent moisture fraction required in conjunction with EnCore™ sampling, were collected into 4-oz. glass jars after the sampling interval was homogenized using dedicated aluminum trays and disposable polyethylene scoops. Soil borings were screened using a PID in 6-inch intervals [Ref. 8, pp. 23–25; 24, p. 3; 25, p. 3]. PID readings above background were noted in the on-site soil cores from locations 6105-S02 (701.5 parts per million [ppm]), 6105-S03 (5.6 ppm), 6105-S04 (31.6 ppm), and 6105-S05 (2.8 ppm) [Ref. 8, p. 24; 24, pp. 3, 5–7]. In borings where no PID readings above background were noted, soil samples were collected in intervals approximately at the surface, mid-point, and bottom of the borehole [Ref. 24, p. 3; 25, p. 3].

Groundwater was encountered at on-site locations 6105-S01 and 6105-S05; and at background location 6100B-S01. Region 2 SAT V installed a 1-inch polyvinyl chloride (PVC) temporary well for groundwater sample collection at each of these three locations. The wells were purged using a peristaltic pump to remove as much suspended sediment as possible. Groundwater sample fractions designated for TAL VOC analysis was collected using a Teflon®-lined mini-bailer; the remaining sample fractions were collected using a peristatic pump. Groundwater sample fractions designated for ICP-AES 11+ Metals (including Hg) analysis were filtered in the field using dedicated 0.45-micron filters [Ref. 8, pp. 27–29; 24, p. 4, 25, p. 4].

A stormwater sample was collected from a catch basin near the center of the T & J site. The stormwater sample fraction designated for TAL VOC analysis was collected using a Teflon®-lined mini-bailer; the remaining sample fractions were collected using a peristatic pump. The stormwater sample fraction designated for ICP-AES 11+ Metals (including Hg) analysis was filtered in the field using a dedicated 0.45-micron filter [Ref. 8, pp. 29–30; 24, p. 4].

Samples collected for quality assurance/quality control (QA/QC) purposes at the T & J site included one aqueous and two soil environmental duplicate samples, one rinsate blank to demonstrate adequate decontamination of non-dedicated equipment (i.e., cutting shoe), and one trip blank to demonstrate there was no cross-contamination between sample containers and that atmospheric contaminants did not leak into sample containers. One groundwater and two soil on-site samples were designated for matrix spike/matrix spike duplicate (MS/MSD) analyses [Ref. 8, p. 25; 24, p. 4]. Samples collected for QA/QC purposes at the background location included one soil and one groundwater environmental duplicate sample, and one trip blank. One groundwater and one soil background sample were designated for MS/MSD analyses [Ref. 25, p. 4].

Region 2 SAT V logged sample locations electronically using GPS equipment and performed post-processing differential correction of the GPS data in accordance with EPA Region 2 GPS Standard Operating Procedures [Ref. 24, p. 4; 25, p. 4]. **Table 1** presents the sample location coordinates. **Figure 3** presents the Site Sample Location Map. **Figure 4** presents the Background Sample Location Map.

Soil analytical results document the presence of an on-site contaminated soil source consisting of the VOCs chloroform, cyclohexane, TCE, methylcyclohexane, m,p-xylene, isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene; the SVOCs naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, dimethylphthalate, fluorene, phenanthrene, anthracene, di-n-butylphthalate, fluoranthene, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, benzo(b)fluoranthene, benzo(k)-fluoranthene, and dibenzo(a,h)anthracene; the pesticides endosulfan II, 4,4'-DDD, 4,4'-DDT, cis-chlordane, and trans-chlordane; the polychlorinated biphenyl (PCB) Aroclor-1260; and the metals antimony, barium, cadmium, iron, lead, silver, zinc, and mercury [Ref. 47, pp. 41, 46–48, 50, 52, 56, 58, 60, 66, 67, 81, 84, 87, 90, 94, 96, 99, 105–107, 110, 113, 117–118, 179, 184, 196, 198–199, 201; 48, pp. 22–24, 28–29, 34, 36, 42, 64]. Soil Analytical Results are presented in **Tables 2A through 2D**. Contaminant Levels at the T & J site are presented in **Figure 5**.

The VOCs cyclohexane, methylcyclohexane, isopropylbenzene, and 1,2,4-trimethylbenzene were detected in subsurface soil samples 6105-SS02A and 6105-SS02B at concentrations greater than the highest background reporting detection limit (RDL) [Ref. 47, pp. 50, 52, 58]. The maximum concentrations of cyclohexane, methylcyclohexane, isopropylbenzene, and 1,2,4-trimethylbenzene in these two soil samples were 140 (14) J+ µg/kg, 8,200 µg/kg, 11,000 µg/kg, and 11,000 µg/kg, respectively [Ref. 47, pp. 50, 52, 58]. 1,2,4-Trimethylbenzene (45 µg/kg) and 1,3,5-trimethylebenze (14 µg/kg) were detected in surface soil sample 6105-S04 and subsurface soil sample 6105-SS04B, collected in the eastern portion of the site, where the ELVs are stored [Ref. 47, pp. 84, 96]. Chloroform and TCE were detected at concentrations above the RDL in subsurface soil samples 6105-SS04A and 6105-SS04B (maximum concentrations of 45 J- µg/kg and 25 µg/kg, respectively) [Ref. 47, pp. 90, 96]. Chloroform was also detected above the RDL in surface soil sample 6105-S07 (33 J- µg/kg), collected south of the used oil, antifreeze, and refrigerant storage area [Ref. 47, p. 196]. Xylene (m,p-xylene) was detected at concentrations greater than the RDL in surface soil sample 6105-S04 (15 µg/kg) and subsurface soil sample 6105-SS02B (16 µg/kg) [Ref. 47, pp. 58, 84].

TABLE 1
SAMPLE LOCATION COORDINATES
T & J SALVAGE

Location Type	Location IDs	Sample IDs	Latitude	Longitude	Data Collection Type
Direct-push Soil and Groundwater	6105-S01	6105-S01	40.582763°	-73.982376°	GPS point collected in the field
		6105-SS01A			
		6105-GW01			
Direct-push Soil	6105-S02	6105-S02	40.582942°	-73.981872°	GPS point collected in the field
		6105-SS02A			
		6105-SS02B			
Direct-push Soil (New Site Reference Location)	6105-S03	6105-S03	40.582620°	-73.981731°	GPS point collected in the field
		6105-SS03A			
		6105-SS03B			
Direct-push Soil	6105-S04	6105-S04	40.582551°	-73.981105°	GPS point collected in the field
		6105-SS04A			
		6105-S08 (Duplicate of 6105-SS04A)			
		6105-SS04B			
Direct-push Soil and Groundwater	6105-S05	6105-S05	40.582606°	-73.982291°	GPS point collected in the field
		6105-SS08A (Duplicate of 6105-S05)			
		6105-SS05A			
		6105-GW05			
		6105-GW08 (Duplicate of 6105-GW05)			
Direct-push Soil	6105-S06	6105-S06	40.582252°	-73.981135°	GPS point collected in the field
		6105-SS06A			
		6105-SS06B			
Direct-push Soil	6105-S07	6105-S07	40.582290°	-73.981577°	GPS point collected in the field
		6105-SS07A			
		6105-SS07B			
Stormwater	6105-CBW01	6105-CBW01	40.582777°	-73.981891°	GPS point collected in the field
Direct-push Soil and Groundwater (Background)	6100B-S01	6100B-S01	40.584371°	-73.985065°	GPS point collected in the field
		6100B-SS01A			
		6100B-SS01B			
		6100B-GW01			
		6100B-GW03 (Duplicate of 6101B-GW01)			
Direct-push Soil (Background)	6100B-S02	6100B-S02	40.584201°	-73.985125°	GPS point collected in the field
		6100B-S03 (Duplicate of 6101B-S02)			
		6100B-SS02A			
		6100B-SS02B			

TABLE 2A
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
T & J Salvage

Sample Purpose:	Background Samples																					3x Maximum Background, or Highest Reporting Detection Limit	
Field Sample ID:	6100B-S01			6100B-SS01A			6100B-SS01B			6100B-S02			6100B-S03			6100B-SS02A			6100B-SS02B				
CLP ID:	BG5H8			BG5J1			BG5J2			BG5H9			BG5J0			BG5J3			BG5J4				
Date:	6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021				
Depth Interval (ft bgs):	0 - 2			5 - 6.5			7 - 8.5			0 - 2			0 - 2			5 - 6			6 - 7.5				
Comments:													Duplicate of 6100B-S02										
Analyte	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Value	Q
Dichlorodifluoromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Chloromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Vinyl chloride	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Bromomethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Chloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Trichlorofluoromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,1-Dichloroethene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Acetone	11	U	11	14	U	14	16	U	16	12	U	12	10	U	10	15	U	15	19	U	*19*	19	U
Carbon disulfide	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Methyl Acetate	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Methylene chloride	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
trans-1,2-Dichloroethene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Methyl tert-butyl Ether	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,1-Dichloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
cis-1,2-Dichloroethene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
2-Butanone	11	U	11	14	U	14	16	U	16	12	U	12	10	U	10	15	U	15	19	U	*19*	19	U
Bromochloromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Chloroform	5.6	U	5.6	*1.6*	J	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	9.7	4.8	J
1,1,1-Trichloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Cyclohexane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Carbon tetrachloride	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Benzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2-Dichloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Trichloroethene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Methylcyclohexane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2-Dichloropropane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Bromodichloromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
cis-1,3-Dichloropropene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
4-Methyl-2-pentanone	11	U	11	14	U	14	16	U	16	12	U	12	10	U	10	15	U	15	19	U	*19*	19	U
Toluene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
trans-1,3-Dichloropropene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,1,2-Trichloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Tetrachloroethene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
2-Hexanone	11	U	11	14	U	14	16	U	16	12	U	12	10	U	10	15	U	15	19	U	*19*	19	U
Dibromochloromethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2-Dibromoethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Chlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Ethylbenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
o-Xylene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
m,p-Xylene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Styrene	*2.9*	J	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	8.7	J	9.7	9.7	U
Bromoform	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Isopropylbenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2,3-Trichloropropane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,1,2,2-Tetrachloroethane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,3-Dichlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,4-Dichlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2-Dichlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2-Dibromo-3-chloropropane	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2,4-Trimethylbenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,3,5-Trimethylbenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2,4-trichlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
1,2,3-Trichlorobenzene	5.6	U	5.6	6.8	U	6.8	8.0	U	8.0	5.8	U	5.8	5.1	U	5.1	7.3	U	7.3	9.7	U	*9.7*	9.7	U
Reference	Ref. 61, pp. 25, 26, 110, 111			Ref. 61, pp. 63, 64, 112, 113			Ref. 61, pp. 69, 70, 113, 114			Ref. 61, pp. 50, 51, 111, 112			Ref. 61, pp. 57, 58, 112			Ref. 61, pp. 75, 76, 114, 115			Ref. 61, pp. 81, 82, 115				

Sample Purpose:	Source Samples																							
Field Sample ID:	6105-S01			6105-SS01A			6105-S02			6105-SS02A			6105-SS02B			6105-S03			6105-SS03A			6105-SS03B		
CLP ID:	BG5P8			BG5P9			BG5Q1			BG5Q2			BG5Q3			BG5Q4			BG5Q5			BG5Q6		
Date:	6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):	0 - 2			8.5 - 10			0 - 2			6.5 - 7.5			7.5 - 8.6			0 - 2			5.5 - 6.5			7 - 8.6		
Analyte	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Dichlorodifluoromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Chloromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Vinyl chloride	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Bromomethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Chloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Trichlorofluoromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,1-Dichloroethene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Acetone	9.0	U	9.0	10	U	10	26		10	170		10	68		16	41		8.9	76		12	56		11
Carbon disulfide	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Methyl Acetate	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Methylene chloride	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
trans-1,2-Dichloroethene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Methyl tert-butyl Ether	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	2.6	J	4.5	6.1	U	6.1	5.6	U	5.6
1,1-Dichloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
cis-1,2-Dichloroethene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
2-Butanone	9.0	U	9.0	10	U	10	9.0	J	10	10	U	10	22		16	8.3	J	8.9	18		12	16		11
Bromochloromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Chloroform	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,1,1-Trichloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Cyclohexane	4.5	U	4.5	5.0	U	5.0	5.6 (0.56)	J+	5.0	140 (14)	J+	5.2	15		8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Carbon tetrachloride	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Benzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	6.9		5.2	2.1	J	8.0	0.83	J	4.5	6.1	U	6.1	5.6	U	5.6
1,2-Dichloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Trichloroethene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Methylcyclohexane	4.5	U	4.5	5.0	U	5.0	11 (1.1)	J+	5.0	8200		310	77		8.0	0.62	J	4.5	6.1	U	6.1	5.6	U	5.6
1,2-Dichloropropane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Bromodichloromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
cis-1,3-Dichloropropene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
4-Methyl-2-pentanone	9.0	U	9.0	10	U	10	10	U	10	10	U	10	16	U	16	8.9	U	8.9	12	U	12	11	U	11
Toluene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	15 (9.2)	J+	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
trans-1,3-Dichloropropene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,1,2-Trichloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Tetrachloroethene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
2-Hexanone	9.0	U	9.0	10	U	10	10	U	10	10	U	10	16	U	16	8.9	U	8.9	12	U	12	11	U	11
Dibromochloromethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,2-Dibromoethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Chlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Ethylbenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	51 (5.1)	J+	5.2	9.2		8.0	0.91	J	4.5	6.1	U	6.1	5.6	U	5.6
o-Xylene	4.5	U	4.5	5.0	U	5.0	0.96	J	5.0	5.2	U	5.2	4.5	J	8.0	2.6	J	4.5	0.69	J	6.1	5.6	U	5.6
m,p-Xylene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	16		8.0	3.1	J	4.5	1.1	J	6.1	5.6	U	5.6
Styrene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
Bromoform	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
Isopropylbenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	11000		310	170		8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2,3-Trichloropropane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,1,2,2-Tetrachloroethane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	U	6.1	5.6	U	5.6
1,3-Dichlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,4-Dichlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2-Dichlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2-Dibromo-3-chloropropane	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	U	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2,4-Trimethylbenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	11000		310	36		8.0	4.9		4.5	1.2 (0.12)	J+	6.1	5.6	U	5.6
1,3,5-Trimethylbenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	25 (2.5)	J+	5.2	3.0	J	8.0	1.7	J	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2,4-trichlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
1,2,3-Trichlorobenzene	4.5	U	4.5	5.0	U	5.0	5.0	U	5.0	5.2	UJ	5.2	8.0	U	8.0	4.5	U	4.5	6.1	UJ	6.1	5.6	U	5.6
Reference	Ref. 47, pp. 28, 29, 281, 282			Ref. 47, pp. 38, 39, 282, 283			Ref. 47, pp. 44, 45, 283, 284			Ref. 47, pp. 50, 51, 284, 285			Ref. 47, pp. 58, 59, 286, 287			Ref. 47, pp. 64, 65, 288			Ref. 47, pp. 70, 71, 289			Ref. 47, pp. 78, 79, 290, 291		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref 47, p. 2; 61, p. 2]
- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref 47, p. 2; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed contamination.
- J+ = The result is an estimated quantity, but the result may be biased high [Ref 47, p. 2; 61, p. 2]
- UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref 47, p. 2; 61, p. 2]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 4-9]
ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2A
SOIL ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
T & J Salvage

Sample Purpose:	3x Maximum Background, or Highest Reporting Detection Limit		Source Samples											
Field Sample ID:			6105-S04			6105-SS04A			6105-S08			6105-SS04B		
CLP ID:			BG5Q7			BG5Q8			BG5S5			BG5Q9		
Date:			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):			0 - 2			4 - 6			4 - 6			8 - 9.5		
Comments:									Duplicate of 6105-SS04A					
Analyte	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Chloromethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Vinyl chloride	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Bromomethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Chloroethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Trichlorofluoromethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,1-Dichloroethene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Acetone	19	U	42		12	35		11	12	U	12	39		10
Carbon disulfide	9.7	U	6.0	U	6.0	0.96	J	5.4	5.8	U	5.8	1.5	J	5.2
Methyl Acetate	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Methylene chloride	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
trans-1,2-Dichloroethene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Methyl tert-butyl Ether	9.7	U	3.3	J	6.0	1.7	J	5.4	5.8	U	5.8	5.2	U	5.2
1,1-Dichloroethane	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
cis-1,2-Dichloroethene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
2-Butanone	19	U	13		12	11	U	11	12	U	12	5.3	J	10
Bromochloromethane	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
Chloroform	4.8	J	6.0	U	6.0	45	J-	5.4	5.8	U	5.8	42	J-	5.2
1,1,1-Trichloroethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Cyclohexane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Carbon tetrachloride	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Benzene	9.7	U	0.92	J	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2-Dichloroethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Trichloroethene	9.7	U	6.0	U	6.0	25		5.4	5.8	U	5.8	10		5.2
Methylcyclohexane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2-Dichloropropane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Bromodichloromethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
cis-1,3-Dichloropropene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
4-Methyl-2-pentanone	19	U	12	U	12	11	U	11	12	U	12	10	U	10
Toluene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
trans-1,3-Dichloropropene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,1,2-Trichloroethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Tetrachloroethene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
2-Hexanone	19	U	12	U	12	11	U	11	12	U	12	10	U	10
Dibromochloromethane	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
1,2-Dibromoethane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Chlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Ethylbenzene	9.7	U	6.3		6.0	5.4	U	5.4	5.8	U	5.8	0.70	J	5.2
o-Xylene	9.7	U	2.6	J	6.0	5.4	U	5.4	5.8	U	5.8	0.72	J	5.2
m,p-Xylene	9.7	U	15		6.0	1.1	J	5.4	5.8	U	5.8	3.5	J	5.2
Styrene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Bromoform	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
Isopropylbenzene	9.7	U	2.1	J	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2,3-Trichloropropane	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,1,2,2-Tetrachloroethane	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
1,3-Dichlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,4-Dichlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2-Dichlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2-Dibromo-3-chloropropane	9.7	U	6.0	U	6.0	5.4	R	5.4	5.8	U	5.8	5.2	R	5.2
1,2,4-Trimethylbenzene	9.7	U	37		6.0	9.1		5.4	5.8	U	5.8	45		5.2
1,3,5-Trimethylbenzene	9.7	U	13		6.0	2.9	J	5.4	5.8	U	5.8	14		5.2
1,2,4-trichlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
1,2,3-Trichlorobenzene	9.7	U	6.0	U	6.0	5.4	U	5.4	5.8	U	5.8	5.2	U	5.2
Reference			Ref. 47, pp. 84, 85, 291, 292			Ref. 47, pp. 90, 91, 292, 293			Ref. 47, pp. 120, 121, 296, 297			Ref. 47, pp. 96, 97, 293, 294		

Sample Purpose:	Source Samples														
Field Sample ID:	6105-S05			6105-SS08A			6105-SS05A			6105-S06			6105-SS06A		
CLP ID:	BG5R0			BG5S6			BG5R1			BG5R3			BG5R4		
Date:	6/3/2021			6/3/2021			6/3/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):	0 - 2			0 - 2			5.5 - 7			0 - 1.5			1.5 - 2.5		
Comments:				Duplicate of 6105-S05											
Analyte	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Chloromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Vinyl chloride	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Bromomethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Chloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Trichlorofluoromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,1-Dichloroethene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Acetone	68		12	34		10	32		9.6	32		9.2	8.9	U	8.9
Carbon disulfide	5.8	U	5.8	5.1	U	5.1	1.8	J	4.8	4.6	U	4.6	4.4	U	4.4
Methyl Acetate	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Methylene chloride	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
trans-1,2-Dichloroethene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Methyl tert-butyl Ether	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,1-Dichloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
cis-1,2-Dichloroethene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
2-Butanone	23		12	12		10	9.7		9.6	6.8	J	9.2	8.9	U	8.9
Bromochloromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Chloroform	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,1,1-Trichloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Cyclohexane	5.8	U	5.8	5.1	U	5.1	3.8 (0.38)	J+	4.8	4.6	U	4.6	4.4	U	4.4
Carbon tetrachloride	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Benzene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,2-Dichloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Trichloroethene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Methylcyclohexane	5.8	U	5.8	5.1	U	5.1	9.1 (0.91)	J+	4.8	4.6	U	4.6	4.4	U	4.4
1,2-Dichloropropane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Bromodichloromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
cis-1,3-Dichloropropene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
4-Methyl-2-pentanone	12	U	12	10	U	10	9.6	U	9.6	9.2	U	9.2	8.9	U	8.9
Toluene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
trans-1,3-Dichloropropene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,1,2-Trichloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Tetrachloroethene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
2-Hexanone	12	U	12	10	U	10	9.6	U	9.6	9.2	U	9.2	8.9	U	8.9
Dibromochloromethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,2-Dibromoethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Chlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
Ethylbenzene	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
o-Xylene	5.8	U	5.8	5.1	U	5.1	2.2	J	4.8	4.6	U	4.6	4.4	U	4.4
m,p-Xylene	5.8	U	5.8	5.1	UJ	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
Styrene	5.8	U	5.8	5.1	UJ	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
Bromoform	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
Isopropylbenzene	5.8	U	5.8	5.1	U	5.1	8.9		4.8	4.6	U	4.6	4.4	U	4.4
1,2,3-Trichloropropane	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,1,2,2-Tetrachloroethane	5.8	U	5.8	5.1	U	5.1	4.8	U	4.8	4.6	U	4.6	4.4	U	4.4
1,3-Dichlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,4-Dichlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,2-Dichlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,2-Dibromo-3-chloropropane	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,2,4-Trimethylbenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,3,5-Trimethylbenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,2,4-trichlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
1,2,3-Trichlorobenzene	5.8	U	5.8	5.1	U	5.1	4.8	UJ	4.8	4.6	U	4.6	4.4	U	4.4
Reference	Ref. 47, pp. 182, 183, 337, 338			Ref. 47, pp. 218, 219, 342, 343			Ref. 47, pp. 188, 189, 338, 339			Ref. 47, pp. 102, 103, 294			Ref. 47, pp. 108, 109, 294, 295		

Sample Purpose:	Source Samples											
Field Sample ID:	6105-SS06B			6105-S07			6105-SS07A			6105-SS07B		
CLP ID:	BG5R5			BG5R6			BG5R7			BG5R8		
Date:	6/2/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval (ft bgs):	4.8 - 5.8			0 - 2			5 - 7			7 - 8.3		
Comments:												
Analyte	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Chloromethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Vinyl chloride	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Bromomethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Chloroethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Trichlorofluoromethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,1-Dichloroethene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Acetone	12	U	12	10	U	10	12	U	12	11	U	11
Carbon disulfide	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Methyl Acetate	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Methylene chloride	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
trans-1,2-Dichloroethene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Methyl tert-butyl Ether	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,1-Dichloroethane	6.2	U	6.2	5.2	UJ	5.2	6.1	U	6.1	5.6	U	5.6
cis-1,2-Dichloroethene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
2-Butanone	12	U	12	10	U	10	12	U	12	11	U	11
Bromochloromethane	6.2	U	6.2	5.2	UJ	5.2	6.1	U	6.1	5.6	U	5.6
Chloroform	6.2	U	6.2	33	J-	5.2	6.1	U	6.1	5.6	U	5.6
1,1,1-Trichloroethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Cyclohexane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Carbon tetrachloride	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Benzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2-Dichloroethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Trichloroethene	6.2	U	6.2	3.1	J	5.2	6.1	U	6.1	5.6	U	5.6
Methylcyclohexane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2-Dichloropropane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Bromodichloromethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
cis-1,3-Dichloropropene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
4-Methyl-2-pentanone	12	U	12	10	U	10	12	U	12	11	U	11
Toluene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
trans-1,3-Dichloropropene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,1,2-Trichloroethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Tetrachloroethene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	0.79	J	5.6
2-Hexanone	12	U	12	10	U	10	12	U	12	11	U	11
Dibromochloromethane	6.2	U	6.2	5.2	UJ	5.2	6.1	U	6.1	5.6	U	5.6
1,2-Dibromoethane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Chlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Ethylbenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
o-Xylene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
m,p-Xylene	6.2	U	6.2	5.2	U	5.2	6.1	UJ	6.1	5.6	U	5.6
Styrene	6.2	U	6.2	5.2	U	5.2	6.1	UJ	6.1	5.6	U	5.6
Bromoform	6.2	U	6.2	5.2	UJ	5.2	6.1	U	6.1	5.6	U	5.6
Isopropylbenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2,3-Trichloropropane	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,1,2,2-Tetrachloroethane	6.2	U	6.2	5.2	R	5.2	6.1	U	6.1	5.6	U	5.6
1,3-Dichlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,4-Dichlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2-Dichlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2-Dibromo-3-chloropropane	6.2	U	6.2	5.2	R	5.2	6.1	U	6.1	5.6	U	5.6
1,2,4-Trimethylbenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,3,5-Trimethylbenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2,4-trichlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
1,2,3-Trichlorobenzene	6.2	U	6.2	5.2	U	5.2	6.1	U	6.1	5.6	U	5.6
Reference	Ref. 47, pp. 114, 115, 295, 296			Ref. 47, pp. 196, 197, 340, 341			Ref. 47, pp. 202, 203, 341			Ref. 47, pp. 212, 213, 342		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, pp. 2, 158]
- J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, pp. 2, 158]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or evaluation of observed contamination.
- J+ = The result is an estimated quantity, but the result may be biased high [Ref. 47, pp. 2, 158]
- J- = The result is an estimated quantity, but the result may be biased low [Ref. 47, pp. 2, 158]
- UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 47, pp. 2, 158]
- R = The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample [Ref. 47, pp. 2, 158]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 4-9]
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2B
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
T & J Salvage

Sample Purpose:	Background Samples																				
Field Sample ID:	6100B-S01			6100B-SS01A			6100B-SS01B			6100B-S02			6100B-S03			6100B-SS02A			6100B-SS02B		
CLP ID:	BG5H8			BG5J1			BG5J2			BG5H9			BG5J0			BG5J3			BG5J4		
Date:	6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021		
Depth Interval (ft bgs):	0 - 2			5 - 6.5			7 - 8.5			0 - 2			0 - 2			5 - 6			6 - 7.5		
Comments:													Duplicate of 6100B-S02								
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	82	U	82	80	U	80	110	U	*110*	77	U	77	77	U	77	83	U	83	96	U	96
Benzaldehyde	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Phenol	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Bis(2-Chloroethyl)ether	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
2-Chlorophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2-Methylphenol	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
2,2-oxybis(1-Chloropropane)	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Acetophenone	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
4-Methylphenol	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
N-Nitroso-di-n-propylamine	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Hexachloroethane	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Nitrobenzene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Isophorone	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2-Nitrophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2,4-Dimethylphenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Bis(2-Chloroethoxy)methane	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2,4-Dichlorophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Naphthalene	52	J	210	*110*	J	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
4-Chloroaniline	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Hexachlorobutadiene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Caprolactam	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
4-Chloro-3-methylphenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
1-Methylnaphthalene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2-Methylnaphthalene	210	U	210	*41*	J	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
Hexachlorocyclopentadiene	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
2,4,6-Trichlorophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2,4,5-Trichlorophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
1,1-Biphenyl	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2-Chloronaphthalene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
2-Nitroaniline	210	U	210	200	UJ	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Dimethylphthalate	230		210	200	U	200	270	U	270	*270*		200	200	U	200	210	U	210	240	U	240
2,6-Dinitrotoluene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Acenaphthylene	*160*	J	210	200	U	200	270	U	270	52	J	200	43	J	200	210	U	210	240	U	240
3-Nitroaniline	410	U	410	400	UJ	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Acenaphthene	*50*	J	210	200	U	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
2,4-Dinitrophenol	410	U	410	400	UJ	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
4-Nitrophenol	410	U	410	400	UJ	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Dibenzofuran	71	J	210	*100*	J	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
2,4-Dinitrotoluene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Diethylphthalate	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Fluorene	*81*	J	210	200	U	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
4-Chlorophenyl-phenylether	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
4-Nitroaniline	410	U	410	400	UJ	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
4,6-Dinitro-2-methylphenol	410	U	410	400	UJ	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
N-Nitrosodiphenylamine	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
1,2,4,5-Tetrachlorobenzene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
4-Bromophenyl-phenylether	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Hexachlorobenzene	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Atrazine	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Pentachlorophenol	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Phenanthrene	*1100*		210	390		200	270	U	270	98	J	200	120	J	200	78	J	210	100	J	240
Anthracene	*250*		210	79	J	200	270	U	270	200	U	200	200	U	200	210	U	210	240	U	240
Carbazole	*67*	J	410	400	U	400	530	U	530	380	U	380	380	U	380	410	U	410	470	U	470
Di-n-butylphthalate	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Fluoranthene	*2000*		210	560		200	270	U	270	260		200	280		200	210		210	120	J	240
Pyrene	*1500*		210	440		200	270	U	270	250		200	240		200	190	J	210	130	J	240
Butylbenzylphthalate	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
3,3-Dichlorobenzidine	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Benzo(a)anthracene	*1100*		210	290		200	270	U	270	190	J	200	180	J	200	130	J	210	77	J	240
Chrysene	*930*		210	280		200	270	U	270	190	J	200	170	J	200	130	J	210	74	J	240
Bis(2-ethylhexyl)phthalate	230		210	220		200	270	U	270	290		200	260		200	*320*		210	300		240
Di-n-octyl phthalate	410	U	410	400	U	400	530	U	*530*	380	U	380	380	U	380	410	U	410	470	U	470
Benzo(b)fluoranthene	*1100*		210	330		200	270	U	270	280		200	240		200	170	J	210	72	J	240
Benzo(k)fluoranthene	*390*		210	100	J	200	270	U	270	89	J	200	77	J	200	66	J	210	240	U	240
Benzo(a)pyrene	*810*		210	250		200	270	U	270	220		200	190	J	200	140	J	210	67	J	240
Indeno(1,2,3-cd)pyrene	*410*		210	140	J	200	270	U	270	140	J	200	120	J	200	85	J	210	240	U	240
Dibenzo(a,h)anthracene	*140*	J	210	41	J	200	270	U	270	44	J	200	200	U	200	210	U	210	240	U	240
Benzo(g,h,i)perylene	*370*		210	140	J	200	270	U	270	150	J	200	120	J	200	89	J	210	240	U	240
2,3,4,6-Tetrachlorophenol	210	U	210	200	U	200	270	U	*270*	200	U	200	200	U	200	210	U	210	240	U	240
Reference	Ref. 61, pp. 23, 24, 121, 122, 123			Ref. 61, pp. 61, 62, 125, 126			Ref. 61, pp. 67, 68 , 126, 127			Ref. 61, pp. 49, 50, 123, 124			Ref. 61, pp. 55, 56, 124, 125			Ref. 61, pp. 73, 74, 127, 128			Ref. 61, pp. 79, 80, 128, 129		

Sample Purpose:			Source Samples											
Field Sample ID:	3x Maximum Background, or Highest Reporting Detection Limit		6105-S01			6105-SS01A			6105-S02			6105-SS02A		
CLP ID:			BG5P8			BG5P9			BG5Q1			BG5Q2		
Date:			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):			0 - 2			8.5 - 10			0 - 2			6.5 - 7.5		
Comments:														
	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	110	U	75	UJ	75	84	UJ	84	78	UJ	78	80	UJ	80
Benzaldehyde	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Phenol	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Bis(2-Chloroethyl)ether	530	U	370	U	370	410	U	410	390	U	390	390	U	390
2-Chlorophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2-Methylphenol	530	U	370	U	370	410	U	410	390	U	390	390	U	390
2,2-oxybis(1-Chloropropane)	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Acetophenone	530	U	370	U	370	52	J	410	86	J	390	390	U	390
4-Methylphenol	530	U	370	U	370	410	U	410	390	U	390	390	U	390
N-Nitroso-di-n-propylamine	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Hexachloroethane	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Nitrobenzene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Isophorone	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2-Nitrophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2,4-Dimethylphenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Bis(2-Chloroethoxy)methane	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2,4-Dichlorophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Naphthalene	330	J	80	J	190	130	J	210	200	U	200	200	U	200
4-Chloroaniline	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Hexachlorobutadiene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Caprolactam	530	U	370	U	370	410	U	410	390	U	390	390	U	390
4-Chloro-3-methylphenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
1-Methylnaphthalene	270	U	190	U	190	69	J	210	140	J	200	200	U	200
2-Methylnaphthalene	123	J	47	J	190	82	J	210	110	J	200	200	U	200
Hexachlorocyclopentadiene	530	U	370	U	370	410	U	410	390	U	390	390	U	390
2,4,6-Trichlorophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2,4,5-Trichlorophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
1,1-Biphenyl	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2-Chloronaphthalene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
2-Nitroaniline	270	U	190	U	190	210	UJ	210	200	U	200	200	U	200
Dimethylphthalate	810		190	U	190	210	U	210	1200		200	200	U	200
2,6-Dinitrotoluene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Acenaphthylene	480	J	200		190	110	J	210	40	J	200	200	U	200
3-Nitroaniline	530	U	370	U	370	410	UJ	410	390	U	390	390	U	390
Acenaphthene	150	J	66	J	190	160	J	210	54	J	200	200	U	200
2,4-Dinitrophenol	530	U	370	U	370	410	UJ	410	390	U	390	390	U	390
4-Nitrophenol	530	U	370	U	370	410	UJ	410	390	UJ	390	390	UJ	390
Dibenzofuran	300	J	88	J	190	110	J	210	200	U	200	200	U	200
2,4-Dinitrotoluene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Diethylphthalate	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Fluorene	243	J	140	J	190	180	J	210	69	J	200	200	U	200
4-Chlorophenyl-phenylether	270	U	190	U	190	210	U	210	200	U	200	200	U	200
4-Nitroaniline	530	U	370	U	370	410	UJ	410	390	U	390	390	U	390
4,6-Dinitro-2-methylphenol	530	U	370	U	370	410	UJ	410	390	U	390	390	U	390
N-Nitrosodiphenylamine	270	U	190	U	190	210	U	210	200	U	200	200	U	200
1,2,4,5-Tetrachlorobenzene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
4-Bromophenyl-phenylether	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Hexachlorobenzene	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Atrazine	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Pentachlorophenol	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Phenanthrene	3300		1300		190	1500		210	230		200	100	J	200
Anthracene	750		250		190	290		210	200	U	200	200	U	200
Carbazole	201	J	100	J	370	120	J	410	390	U	390	390	U	390
Di-n-butylphthalate	270	U	190	U	190	63	J	210	200	U	200	200	U	200
Fluoranthene	6000		1700		190	1500		210	280		200	180	J	200
Pyrene	4500		940		190	720		210	310		200	150	J	200
Butylbenzylphthalate	270	U	190	U	190	210	U	210	200	U	200	200	U	200
3,3-Dichlorobenzidine	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Benzo(a)anthracene	3300		920		190	710		210	250		200	120	J	200
Chrysene	2790		880		190	730		210	250		200	120	J	200
Bis(2-ethylhexyl)phthalate	960		81	J	190	230	J	210	410	J	200	120	J	200
Di-n-octyl phthalate	530	U	370	U	370	410	U	410	390	U	390	390	U	390
Benzo(b)fluoranthene	3300		1000		190	830		210	320		200	140	J	200
Benzo(k)fluoranthene	1170		340		190	270		210	120	J	200	50	J	200
Benzo(a)pyrene	2430		320		190	180	J	210	160	J	200	69	J	200
Indeno(1,2,3-cd)pyrene	1230		260		190	170	J	210	120	J	200	58	J	200
Dibenzo(a,h)anthracene	420	J	140	J	190	100	J	210	45	J	200	200	U	200
Benzo(g,h,i)perylene	1110		190	U	190	210	U	210	200	U	200	200	U	200
2,3,4,6-Tetrachlorophenol	270	U	190	U	190	210	U	210	200	U	200	200	U	200
Reference			Ref. 47, pp. 26, 27, 304, 305			Ref. 47, pp. 36, 37, 305, 306			Ref. 47, pp. 42, 43, 306, 307			Ref. 47, pp. 48, 49, 308, 309		

Sample Purpose:	Source Samples											
Field Sample ID:	6105-SS02B			6105-S03			6105-SS03A			6105-SS03B		
CLP ID:	BG5Q3			BG5Q4			BG5Q5			BG5Q6		
Date:	6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):	7.5 - 8.6			0 - 2			5.5 - 6.5			7 - 8.6		
Comments:												
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	100	U	100	73	UJ	73	76	UJ	76	84	UJ	84
Benzaldehyde	500	U	500	360	U	360	380	U	380	410	U	410
Phenol	500	U	500	360	U	360	380	U	380	410	U	410
Bis(2-Chloroethyl)ether	500	U	500	360	U	360	380	U	380	410	U	410
2-Chlorophenol	260	U	260	190	U	190	190	U	190	210	U	210
2-Methylphenol	500	U	500	360	U	360	380	U	380	410	U	410
2,2-oxybis(1-Chloropropane)	500	U	500	360	U	360	380	U	380	410	U	410
Acetophenone	500	U	500	360	U	360	380	U	380	410	U	410
4-Methylphenol	500	U	500	360	U	360	380	U	380	410	U	410
N-Nitroso-di-n-propylamine	260	U	260	190	U	190	190	U	190	210	U	210
Hexachloroethane	260	U	260	190	U	190	190	U	190	210	U	210
Nitrobenzene	260	U	260	190	U	190	190	U	190	210	U	210
Isophorone	260	U	260	190	U	190	190	U	190	210	U	210
2-Nitrophenol	260	U	260	190	U	190	190	U	190	210	U	210
2,4-Dimethylphenol	260	U	260	190	U	190	190	U	190	210	U	210
Bis(2-Chloroethoxy)methane	260	U	260	190	U	190	190	U	190	210	U	210
2,4-Dichlorophenol	260	U	260	190	U	190	190	U	190	210	U	210
Naphthalene	2000		260	120	J	190	190	U	190	120	J	210
4-Chloroaniline	500	U	500	360	U	360	380	U	380	410	U	410
Hexachlorobutadiene	260	U	260	190	U	190	190	U	190	210	U	210
Caprolactam	500	U	500	360	U	360	380	U	380	410	U	410
4-Chloro-3-methylphenol	260	U	260	190	U	190	190	U	190	210	U	210
1-Methylnaphthalene	780		260	45	J	190	190	U	190	99	J	210
2-Methylnaphthalene	1800		260	80	J	190	190	U	190	200	J	210
Hexachlorocyclopentadiene	500	U	500	360	U	360	380	U	380	410	U	410
2,4,6-Trichlorophenol	260	U	260	190	U	190	190	U	190	210	U	210
2,4,5-Trichlorophenol	260	U	260	190	U	190	190	U	190	210	U	210
1,1-Biphenyl	260	U	260	190	U	190	190	U	190	210	U	210
2-Chloronaphthalene	260	U	260	190	U	190	190	U	190	210	U	210
2-Nitroaniline	260	U	260	190	U	190	190	U	190	210	U	210
Dimethylphthalate	260	U	260	190	U	190	190	U	190	210	U	210
2,6-Dinitrotoluene	260	U	260	190	U	190	190	U	190	210	U	210
Acenaphthylene	260	U	260	190	U	190	190	U	190	210	U	210
3-Nitroaniline	500	U	500	360	U	360	380	U	380	410	U	410
Acenaphthene	260	U	260	190	U	190	190	U	190	210	U	210
2,4-Dinitrophenol	500	U	500	360	U	360	380	U	380	410	U	410
4-Nitrophenol	500	U	500	360	UJ	360	380	UJ	380	410	UJ	410
Dibenzofuran	260	U	260	190	U	190	190	U	190	210	U	210
2,4-Dinitrotoluene	260	U	260	190	U	190	190	U	190	210	U	210
Diethylphthalate	260	U	260	190	U	190	190	U	190	210	U	210
Fluorene	260	U	260	190	U	190	190	U	190	210	U	210
4-Chlorophenyl-phenylether	260	U	260	190	U	190	190	U	190	210	U	210
4-Nitroaniline	500	U	500	360	U	360	380	U	380	410	U	410
4,6-Dinitro-2-methylphenol	500	U	500	360	UJ	360	380	U	380	410	U	410
N-Nitrosodiphenylamine	260	U	260	190	U	190	190	U	190	210	U	210
1,2,4,5-Tetrachlorobenzene	260	U	260	190	U	190	190	U	190	210	U	210
4-Bromophenyl-phenylether	260	U	260	190	U	190	190	U	190	210	U	210
Hexachlorobenzene	260	U	260	190	U	190	190	U	190	210	U	210
Atrazine	500	U	500	360	U	360	380	U	380	410	U	410
Pentachlorophenol	500	U	500	360	U	360	380	U	380	410	U	410
Phenanthrene	150	J	260	300		190	320		190	310		210
Anthracene	260	U	260	84	J	190	72	J	190	71	J	210
Carbazole	500	U	500	360	U	360	380	U	380	410	U	410
Di-n-butylphthalate	260	U	260	190	U	190	190	U	190	210	U	210
Fluoranthene	380		260	450		190	460		190	360		210
Pyrene	300		260	310		190	260		190	250		210
Butylbenzylphthalate	260	U	260	46	J	190	42	J	190	210	U	210
3,3-Dichlorobenzidine	500	U	500	360	U	360	380	U	380	410	U	410
Benzo(a)anthracene	410		260	280		190	290		190	210		210
Chrysene	370		260	260		190	290		190	200	J	210
Bis(2-ethylhexyl)phthalate	140	J	260	340	J	190	300	J	190	190	J	210
Di-n-octyl phthalate	500	U	500	360	U	360	380	U	380	410	U	410
Benzo(b)fluoranthene	550		260	300		190	320		190	230		210
Benzo(k)fluoranthene	160	J	260	110	J	190	100	J	190	85	J	210
Benzo(a)pyrene	220	J	260	100	J	190	86	J	190	96	J	210
Indeno(1,2,3-cd)pyrene	190	J	260	84	J	190	72	J	190	75	J	210
Dibenzo(a,h)anthracene	87	J	260	42	J	190	44	J	190	210	U	210
Benzo(g,h,i)perylene	260	U	260	190	U	190	190	U	190	210	U	210
2,3,4,6-Tetrachlorophenol	260	U	260	190	U	190	190	U	190	210	U	210
Reference	Ref. 47, pp. 56, 57, 309, 310			Ref. 47, pp. 62, 63, 310, 311			Ref. 47, pp. 68, 69, 312			Ref. 47, pp. 76, 77, 313, 314		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref.47, p. 2; 61, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, p. 2; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed contamination.
ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2B
SOIL ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
T & J Salvage
Page 2 of 2

Sample Purpose:			Source Samples																																					
Field Sample ID:	3x Maximum		6105-S04			6105-SS04A			6105-S08			6105-SS04B			6105-S05			6105-SS08A			6105-SS05A			6105-S06			6105-SS06A			6105-SS06B			6105-S07			6105-SS07A			6105-SS07B		
CLP ID:	Background, or		BG5Q7			BG5Q8			BG5S5			BG5Q9			BG5R0			BG5S6			BG5R1			BG5R3			BG5R4			BG5R5			BG5R6			BG5R7			BG5R8		
Date:	Highest Reporting		6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval (ft bgs):	Detection Limit		0 - 2			4 - 6			4 - 6			8 - 9.5			0 - 2			0 - 2			5.5 - 7			0 - 1.5			1.5 - 2.5			4.8 - 5.8			0 - 2			5 - 7			7 - 8.3		
Comments:									Duplicate of 6105-SS04A									Duplicate of 6105-S05																									
	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	110	U	79	UJ	79	78	UJ	78	78	UJ	78	77	UJ	77	80	U	80	78	U	78	79	U	79	77	UJ	77	75	UJ	75	81	UJ	81	74	U	74	81	U	81	87	U	87
Benzaldehyde	530	U	390	U	390	390	U	390	390	U	390	110	J	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Phenol	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Bis(2-Chloroethyl)ether	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	UJ	430
2-Chlorophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2-Methylphenol	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
2,2-oxybis(1-Chloropropane)	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Acetophenone	530	U	390	U	390	390	U	390	390	U	390	160	J	380	110	J	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	46	J	400	430	U	430
4-Methylphenol	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
N-Nitroso-di-n-propylamine	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Hexachloroethane	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Nitrobenzene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Isophorone	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2-Nitrophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2,4-Dimethylphenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Bis(2-Chloroethoxy)methane	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	UJ	220
2,4-Dichlorophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Naphthalene	330	U	310		200	150	J	200	1900		200	64	J	200	200	U	200	200	U	200	200	U	200	200	U	200	47	J	190	100	J	210	190	U	190	210	U	210	220	U	220
4-Chloroaniline	530	J	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Hexachlorobutadiene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Caprolactam	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
4-Chloro-3-methylphenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
1-Methylnaphthalene	270	U	190	J	200	86	J	200	2400		200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	65	J	210	190	U	190	210	U	210	220	U	220
2-Methylnaphthalene	123	J	370		200	140	J	200	4700		1000	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	70	J	210	190	U	190	210	U	210	220	U	220
Hexachlorocyclopentadiene	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
2,4,6-Trichlorophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2,4,5-Trichlorophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
1,1-Biphenyl	270	U	200	U	200	200	U	200	75	J	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2-Chloronaphthalene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2-Nitroaniline	270	U	200	U	200	200	UJ	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Dimethylphthalate	810		200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2,6-Dinitrotoluene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Acenaphthylene	480	J	200	U	200	150	J	200	130	J	200	200	U	200	200	U	200	200	U	200	200	U	200	44	J	200	330		190	60	J	210	190	U	190	210	U	210	220	U	220
3-Nitroaniline	530	U	390	U	390	390	UJ	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Acenaphthene	150	J	180	J	200	91	J	200	66	J	200	150	J	200	200	U	200	200	U	200	200	U	200	200	U	200	170	J	190	170	J	210	190	U	190	210	U	210	220	U	220
2,4-Dinitrophenol	530	U	390	U	390	390	UJ	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
4-Nitrophenol	530	U	390	UJ	390	390	UJ	390	390	UJ	390	380	UJ	380	390	U	390	390	U	390	390	U	390	380	UJ	380	370	UJ	370	400	UJ	400	370	U	370	400	U	400	430	U	430
Dibenzofuran	300	J	100	J	200	86	J	200	57	J	200	96	J	200	200	U	200	200	U	200	200	U	200	200	U	200	99	J	190	89	J	210	190	U	190	210	U	210	220	U	220
2,4-Dinitrotoluene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Diethylphthalate	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Fluorene	243	J	140	J	200	140	J	200	170	J	200	210		200	200	U	200	200	U	200	200	U	200	200	U	200	260		190	180	J	210	190	U	190	210	U	210	220	U	220
4-Chlorophenyl-phenylether	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
4-Nitroaniline	530	U	390	U	390	390	UJ	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
4,6-Dinitro-2-methylphenol	530	U	390	U	390	390	UJ	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
N-Nitrosodiphenylamine	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
1,2,4,5-Tetrachlorobenzene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
4-Bromophenyl-phenylether	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Hexachlorobenzene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Atrazine	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Pentachlorophenol	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Phenanthrene	3300		1200		200	1500		200	570		200	2800		200	67	J	200	130	J	200	200	U	200	330		200	4700		960	1700		210	80	J	190	88	J	210	130	J	220
Anthracene	750		280		200	310		200	130	J	200	980		200	200	U	200	200	U	200	200	U	200	100	J	200	1300		190	390		210	190	U	190	210	U	210	220	U	220
Carbazole	201		82	J	390	88	J	390	43	J	390	65	J	380	390	U	390	390	U	390	390	U	390	380	U	380	170	J	370	140	J	400	370	U	370	400	U	400	430	U	430
Di-n-butylphthalate	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	670		190	4100		410	190	U	190	50	J	210	220	U	220
Fluoranthene	6000		1100		200	1500		200	510		200	4200		390	110	J	200	290		200	56	J	200	500		200	9000		960	1900		210	130	J	190	130	J	210	170	J	220
Pyrene	4500		560		200	760		200	340		200	2500		200	110	J	200	240		200	53	J	200	310		200	4300		960	1400		210	120	J	190	140	J	210	140	J	220
Butylbenzylphthalate	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	UJ	200	49	J	200	62	J	190	210	U	210	65	J	190	210	U	210	220	U	220
3,3-Dichlorobenzidine	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Benzo(a)anthracene	3300		560		200	950		200	310		200	2700		200	54	J	200	110	J	200	200	U	200	320		200	5000		960	1000		210	57	J	190	64	J	210	70	J	220
Chrysene	2790		480		200	880		200	310		200	2200		200	53	J	200	120	J	200	200	U	200	350		200	4300		960	960		210	69	J	190	73	J	210	68	J	220
Bis(2-ethylhexyl)phthalate	960		280	J	200	260	J	200	560	J	200	110	J	200	110	J	200	250		200	55	J	200	330	J	200	440	J	190	340	J	210	86	J	190	12000	J	1000	220	U	220
Di-n-octyl phthalate	530	U	390	U	390	390	U	390	390	U	390	380	U	380	390	U	390	390	U	390	390	U	390	380	U	380	370	U	370	400	U	400	370	U	370	400	U	400	430	U	430
Benzo(b)fluoranthene	3300		520		200	890		200	440		200	2300		200	57	J	200	130	J	200	200	U	200	390		200	4700		960	1000		210	100	J	190	66	J	210	66	J	220
Benzo(k)fluoranthene	1170		210		200	330		200	150	J	200	870		200	200	U	200	47	J	200	200	U	200	130	J	200	1700		190	400		210	190	U	190	210	U	210	220	U	220
Benzo(a)pyrene	2430		130	J	200	190	J	200	150	J	200	850		200	51	J	200	87	J	200	200	U	200	87	J	200	1000		190	450		210	72	J	190	66	J	210	60	J	220
Indeno(1,2,3-cd)pyrene	1230		120	J	200	170	J	200	140	J	200	550		200	200	U	200	40	J	200	200	U	200	81	J	200	870		190	320		210	44	J	190	210	U	210	220	U	220
Dibenzo(a,h)anthracene	420	J	70	J	200	130	J	200	75	J	200	320		200	200	U	200	200	U	200	200	U	200	57	J	200	600		190	150	J	210	190	U	190	210	U	210	220	U	220
Benzo(g,h,i)perylene	1110		200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
2,3,4,6-Tetrachlorophenol	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Reference			Ref. 47, pp. 82, 83, 314, 315			Ref. 47, pp. 88, 89, 315, 316			Ref. 47, pp. 118, 119, 322, 323			Ref. 47, pp. 94, 95, 317			Ref. 47, pp. 180, 181, 353, 354			Ref. 47, pp. 216, 217, 359, 360			Ref. 47, pp. 186, 187, 354, 355			Ref. 47, pp. 100, 101, 318, 319			Ref. 47, pp. 106, 107, 319, 320			Ref. 47, pp. 112, 113, 321			Ref. 47, pp. 194, 195, 355, 356			Ref. 47, pp. 200, 201, 357			Ref. 47, pp. 210, 211, 358		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, pp. 2, 158]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, pp. 2, 158]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 47, pp. 158]

YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SOIL ANALYTICAL DATA - PESTICIDES AND AROCLORS
T & J Salvage
Page 1 of 2

Sample Purpose:	Background Samples																						
Field Sample ID:	6100B-S01			6100B-SS01A			6100B-SS01B			6100B-S02			6100B-S03			6100B-SS02A			6100B-SS02B			3x Maximum Background, or Highest Reporting Detection Limit	
CLP ID:	BG5H8			BG5J1			BG5J2			BG5H9			BG5J0			BG5J3			BG5J4				
Date:	6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021				
Depth Interval (ft bgs):	0 - 2			5 - 6.5			7 - 8.5			0 - 2			0 - 2			5 - 6			6 - 7.5				
Comments:													Duplicate of 6100B-S02										
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Value	Q
alpha-BHC	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.7	U
beta-BHC	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.7	U
delta-BHC	0.47	J	2.1	2.0	U	2.0	2.7	U	2.7	2.0	UJ	2.0	*0.55*	J	2.0	2.1	U	2.1	2.4	U	2.4	1.65	J
gamma-BHC (Lindane)	*2.9*	J	2.1	1.8	J	2.0	2.7	U	2.7	2.0	UJ	2.0	1.3	J	2.0	2.1	U	2.1	2.4	U	2.4	8.7	J
Heptachlor	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.7	U
Aldrin	*0.59*	J	2.1	0.23	J	2.0	2.7	U	2.7	2.0	UJ	2.0	0.39	J	2.0	2.1	U	2.1	2.4	U	2.4	1.77	J
Heptachlor epoxide	2.1	U	2.1	2.0	U	2.0	2.7	U	2.7	*0.30 (3.0)*	J-	2.0	0.56	J	2.0	0.38	J	2.1	0.63	J	2.4	9.0	J
Endosulfan I	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.7	U
Dieldrin	40	J	4.1	11	J	3.9	5.3	U	5.3	*12 (143)*	J-	3.8	37		3.8	7.1		4.1	0.29	NJ	4.7	429	J
4,4'-DDE	4.1	U	4.1	0.79	J	3.9	5.3	U	5.3	*0.19 (1.9)*	J-	3.8	0.37	J	3.8	4.1	U	4.1	4.7	U	4.7	5.7	J
Endrin	*2.6*	J	4.1	3.9	U	3.9	5.3	U	5.3	3.8	UJ	3.8	3.8	U	3.8	4.1	U	4.1	4.7	U	4.7	7.8	J
Endosulfan II	4.1	U	4.1	3.9	U	3.9	5.3	U	5.3	*0.38 (3.8)*	J-	3.8	3.8	U	3.8	0.36	J	4.1	0.51	J	4.7	11.4	J
4,4'-DDD	0.38	NJ	4.1	*1.1*	J	3.9	5.3	U	*5.3*	3.8	UJ	3.8	1.0	NJ	3.8	0.25	NJ	4.1	4.7	U	4.7	3.3	J
Endosulfan Sulfate	4.1	U	4.1	3.9	U	3.9	5.3	U	5.3	*0.24 (2.4)*	J-	3.8	3.8	U	3.8	4.1	U	4.1	4.7	U	4.7	7.2	J
4,4'-DDT	4.1	U	4.1	3.9	U	3.9	5.3	U	5.3	*0.30 (3.8)*	J-	3.8	0.68	J	3.8	4.1	U	4.1	4.7	U	4.7	11.4	J
Methoxychlor	21	U	21	20	U	20	27	U	*27*	20	UJ	20	20	U	20	21	U	21	24	U	24	27	U
Endrin ketone	4.1	U	4.1	3.9	U	3.9	5.3	U	*5.3*	3.8	UJ	3.8	3.8	U	3.8	4.1	U	4.1	4.7	U	4.7	5.3	U
Endrin Aldehyde	1.5	J	4.1	3.9	U	3.9	5.3	U	5.3	*0.22 (2.2)*	J-	3.8	3.8	U	3.8	4.1	U	4.1	4.7	U	4.7	6.6	J
cis-Chlordane	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.7	U
trans-Chlordane	2.1	U	2.1	2.0	U	2.0	2.7	U	*2.7*	2.0	UJ	2.0	2.0	U	2.0	2.1	U	2.1	0.29	NJ	2.4	2.7	U
Toxaphene	210	U	210	200	U	200	270	U	*270*	200	UJ	200	200	U	200	210	U	210	240	U	240	270	U
Reference	Ref. 61, pp. 22, 133, 134			Ref. 61, pp. 60, 134, 135			Ref. 61, pp. 66, 135			Ref. 61, pp. 48, 134			Ref. 61, pp.54, 134			Ref. 61, pp. 72, 135			Ref. 61, pp. 78, 135				

Sample Purpose:	Source Samples																							
Field Sample ID:	6105-S01			6105-SS01A			6105-S02			6105-SS02A			6105-SS02B			6105-S03			6105-SS03A			6105-SS03B		
CLP ID:	BG5P8			BG5P9			BG5Q1			BG5Q2			BG5Q3			BG5Q4			BG5Q5			BG5Q6		
Date:	6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):	0 - 2			8.5 - 10			0 - 2			6.5 - 7.5			7.5 - 8.6			0 - 2			5.5 - 6.5			7 - 8.6		
Comments:																								
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
alpha-BHC	1.9	U	1.9	2.1	UJ	2.1	2.0	U	2.0	2.0	U	2.0	2.6	U	2.6	1.9	U	1.9	2.0	U	2.0	2.1	UJ	2.1
beta-BHC	1.9	U	1.9	2.1	UJ	2.1	2.0	U	2.0	2.0	U	2.0	2.6	U	2.6	1.9	U	1.9	2.0	U	2.0	2.1	UJ	2.1
delta-BHC	0.33	J	1.9	0.28	J-	2.1	2.0	U	2.0	0.26	J	2.0	2.6	U	2.6	1.9	U	1.9	0.33	J	2.0	0.51	J-	2.1
gamma-BHC (Lindane)	0.63	J	1.9	1.7	J-	2.1	0.65	J	2.0	0.39	J	2.0	0.64	J	2.6	0.38	J	1.9	4.3	J	2.0	6.6	J-	2.1
Heptachlor	1.9	U	1.9	2.1	UJ	2.1	2.0	U	2.0	2.0	U	2.0	2.6	U	2.6	1.9	U	1.9	2.0	U	2.0	2.1	UJ	2.1
Aldrin	1.9	U	1.9	2.1	UJ	2.1	0.35	J	2.0	0.49	J	2.0	2.6	U	2.6	1.9	U	1.9	0.68	J	2.0	0.55	J-	2.1
Heptachlor epoxide	1.9	U	1.9	0.31	J-	2.1	0.61	J	2.0	0.47	J	2.0	0.83	J	2.6	0.44	J	1.9	0.57	J	2.0	1.2	J-	2.1
Endosulfan I	1.9	U	1.9	2.1	UJ	2.1	2.0	U	2.0	2.0	U	2.0	2.6	U	2.6	1.9	U	1.9	2.0	U	2.0	2.1	UJ	2.1
Dieldrin	0.60	NJ	3.7	0.47	NJ	4.2	1.4	J	3.9	1.8	J	3.9	0.98	J	5.0	0.44	NJ	3.6	0.68	NJ	3.8	5.1	J-	4.1
4,4'-DDE	0.54	J	3.7	0.56	J-	4.2	4.8		3.9	0.84	J	3.9	5.0	U	5.0	0.40	NJ	3.6	0.96	J	3.8	1.3	J-	4.1
Endrin	0.90	J	3.7	4.2	UJ	4.2	3.9	U	3.9	3.9	U	3.9	5.0	U	5.0	0.64	J	3.6	3.8	U	3.8	4.1	UJ	4.1
Endosulfan II	0.81	NJ	3.7	1.1	J-	4.2	0.85	J	3.9	0.60	J	3.9	1.2	J	5.0	2.8	J	3.6	1.2	J	3.8	4.1	UJ	4.1
4,4'-DDD	1.4	J	3.7	0.68	J-	4.2	4.3	J	3.9	1.9	J	3.9	0.33	NJ	5.0	1.1	J	3.6	7.6	J	3.8	1.5	NJ	4.1
Endosulfan Sulfate	3.7	U	3.7	4.2	UJ	4.2	3.9	U	3.9	0.91	J	3.9	5.0	U	5.0	3.6	U	3.6	2.3	J	3.8	3.3	NJ	4.1
4,4'-DDT	1.1	J	3.7	4.2	UJ	4.2	1.1	J	3.9	1.9	J	3.9	5.0	U	5.0	3.6	U	3.6	1.5	J	3.8	4.1	UJ	4.1
Methoxychlor	19	U	19	21	UJ	21	20	U	20	0.90	NJ	20	26	U	26	1.0	NJ	19	5.3	J	20	21	UJ	21
Endrin ketone	3.7	U	3.7	4.2	UJ	4.2	3.9	U	3.9	3.9	U	3.9	5.0	U	5.0	3.6	U	3.6	3.8	U	3.8	4.1	UJ	4.1
Endrin Aldehyde	3.7	U	3.7	4.2	UJ	4.2	0.39	J	3.9	3.9	U	3.9	5.0	U	5.0	3.6	U	3.6	3.8	U	3.8	4.1	UJ	4.1
cis-Chlordane	0.66	J	1.9	2.1	UJ	2.1	2.1	J	2.0	3.1		2.0	0.39	J	2.6	0.31	J	1.9	0.13	NJ	2.0	1.0	J-	2.1
trans-Chlordane	0.81	NJ	1.9	0.19	NJ	2.1	1.9	J	2.0	3.5		2.0	0.90	J	2.6	0.44	NJ	1.9	2.6	NJ	2.0	0.57	NJ	2.1
Toxaphene	190	U	190	210	UJ	210	200	U	200	200	U	200	260	U	260	190	U	190	200	U	200	210	UJ	210
Reference	Ref. 47, pp. 25, 327, 328			Ref. 47, pp. 35, 328			Ref. 47, pp. 41, 328			Ref. 47, pp. 47, 328, 329			Ref. 47, pp. 55, 329			Ref. 47, pp. 61, 329			Ref. 47, pp. 67, 329			Ref. 47, pp. 75, 329, 330		

Sample Purpose:	Background Samples																						
Field Sample ID:	6100B-S01			6100B-SS01A			6100B-SS01B			6100B-S02			6100B-S03			6100B-SS02A			6100B-SS02B			3x Maximum Background, or Highest Reporting Detection Limit	
CLP ID:	BG5H8			BG5J1			BG5J2			BG5H9			BG5J0			BG5J3			BG5J4				
Date (ft bgs):	6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021				
Depth Interval:																							
Comments:																							
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Value	Q
Aroclor-1016	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1221	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1232	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1242	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1248	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1254	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1260	7.2	J	41	39	U	39	53	U	53	38	UJ	38	*7.6*	J	38	42	U	42	47	U	47	22.8	J
Aroclor-1262	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Aroclor-1268	41	U	41	39	U	39	53	U	*53*	38	UJ	38	38	U	38	42	U	42	47	U	47	53	U
Reference	Ref. 61, pp. 21, 138			Ref. 61, pp. 59, 138, 139			Ref. 61, pp. 65, 139			Ref. 61, pp. 47, 138			Ref. 61, pp. 53, 138			Ref. 61, pp. 71, 139			Ref. 61, pp. 77, 139				

Sample Purpose:	Source Samples																							
Field Sample ID:	6105-S01			6105-SS01A			6105-S02			6105-SS02A			6105-SS02B			6105-S03			6105-SS03A			6105-SS03B		
CLP ID:	BG5P8			BG5P9			BG5Q1			BG5Q2			BG5Q2ME			BG5Q3			BG5Q4			BG5Q6		
Date (ft bgs):	6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval:	0 - 2			8.5 - 10			0 - 2			6.5 - 7.5			7.5 - 8.6			0 - 2			5.5 - 6.5			7 - 8.6		
Comments:																								
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Aroclor-1016	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1221	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1232	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1242	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1248	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1254	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	26	J	36	38	U	38	41	U	41
Aroclor-1260	22	J	37	42	U	42	39	U	39	53	J	39	50	U	50	33	J	36	74	J	38	41	U	41
Aroclor-1262	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Aroclor-1268	37	U	37	42	U	42	39	U	39	39	U	39	50	U	50	36	U	36	38	U	38	41	U	41
Reference	Ref. 47, pp. 24, 334			Ref. 47, pp. 34, 334			Ref. 47, pp. 40, 334			Ref. 47, pp. 46, 334			Ref. 47, pp. 54, 334			Ref. 47, pp. 60, 334			Ref. 47, pp. 66, 334, 335			Ref. 47, pp. 74, 335		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, p. 2; 61, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, p. 2; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed contamination.
J- = The result is an estimated quantity, but the result may be biased low [Ref. 47, p. 2; 61, p. 2]
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 47, p. 2; 61, p. 2]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 47, p. 2; 61, p. 2]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 7-9]
ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SOIL ANALYTICAL DATA - PESTICIDES AND AROCLORS
T & J Salvage
Page 2 of 2

Sample Purpose:			Source Samples																																					
Field Sample ID:	3x Maximum		6105-S04			6105-SS04A			6105-S08			6105-SS04B			6105-S05			6105-SS08A			6105-SS05A			6105-S06			6105-SS06A			6105-SS06B			6105-S07			6105-SS07A			6105-SS07B		
CLP ID:	Background, or		BG5Q7			BG5Q8			BG5S5			BG5Q9			BG5R0			BG5S6			BG5R1			BG5R3			BG5R4			BG5R5			BG5R6			BG5R7			BG5R8		
Date:	Highest Reporting		6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval (ft bgs):	Detection Limit		0 - 2			4 - 6			4 - 6			8 - 9.5			0 - 2			0 - 2			5.5 - 7			0 - 1.5			1.5 - 2.5			4.8 - 5.8			0 - 2			5 - 7			7 - 8.3		
Comments:									Duplicate of 6105-SS04A									Duplicate of 6105-S05																									
	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
alpha-BHC	2.7	U	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	1.9	U	1.9	2.1	U	2.1	1.9	U	1.9	2.1	U	2.1	2.2	U	2.2
beta-BHC	2.7	U	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	1.9	U	1.9	2.1	U	2.1	1.9	U	1.9	2.1	U	2.1	2.2	U	2.2
delta-BHC	1.65	J	0.47	J	2.0	0.30	J	2.0	0.34	J	2.0	0.37	NJ	2.0	0.23	NJ	2.0	0.83	J	2.0	0.36	J	2.0	0.39	J	2.0	1.6	J	1.9	0.50	NJ	2.1	1.9	U	1.9	0.81	J	2.1	0.47	J	2.2
gamma-BHC (Lindane)	8.7	J	0.76	J	2.0	1.0	J	2.0	1.2	J	2.0	4.5	J	2.0	1.3	J	2.0	0.65	J	2.0	1.6	J	2.0	1.2	J	2.0	4.7	J	1.9	12 (1.0)	J+	2.1	0.33	J	1.9	3.0	J	2.1	1.5	J	2.2
Heptachlor	2.7	U	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	0.14	NJ	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	1.9	U	1.9	2.1	U	2.1	1.9	U	1.9	0.11	NJ	2.1	2.2	U	2.2
Aldrin	1.77	J	0.46	J	2.0	2.0	U	2.0	0.18	NJ	2.0	0.59	J	2.0	0.55	J	2.0	0.85	J	2.0	0.26	J	2.0	0.26	J	2.0	1.9	U	1.9	0.63 (0.04)	J+	2.1	1.9	U	1.9	0.51	J	2.1	0.72	J	2.2
Heptachlor epoxide	9.0	J	0.35	NJ	2.0	2.0	U	2.0	2.0	U	2.0	0.61	J	2.0	0.32	J	2.0	0.52	J	2.0	0.31	J	2.0	2.0	U	2.0	2.3	J	1.9	2.1	U	2.1	1.9	U	1.9	0.58	J	2.1	1.2	J	2.2
Endosulfan I	2.7	U	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	1.9	U	1.9	2.1	U	2.1	1.9	U	1.9	2.1	U	2.1	2.2	U	2.2
Dieldrin	429	J	0.91	NJ	3.9	0.65	NJ	3.9	1.1	NJ	3.9	3.3	NJ	3.8	2.0	NJ	3.9	1.2	NJ	3.9	1.3	NJ	3.9	3.2	J	3.8	0.95	NJ	3.7	2.0	NJ	4.0	0.28	NJ	3.7	5.8	J	4.0	4.3	U	4.3
4,4'-DDE	5.7	J	2.8	J	3.9	2.8	J	3.9	4.0	J	3.9	0.61	J	3.8	2.4	J	3.9	3.7	J	3.9	0.61	J	3.9	0.85	J	3.8	3.6	J	3.7	2.5 (0.25)	J+	4.0	2.6	J	3.7	4.8		4.0	1.1	J	4.3
Endrin	7.8	J	0.22	NJ	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	1.7	J	3.9	3.9	U	3.9	0.33	NJ	3.9	0.73	J	3.8	1.6	J	3.7	4.3 (0.30)	J+	4.0	0.27	NJ	3.7	6.5	J	4.0	4.3	U	4.3
Endosulfan II	11.4	J	0.96	J	3.9	1.6	J	3.9	3.9	U	3.9	1.8	NJ	3.8	270		39	0.74	J	3.9	1.7	J	3.9	16		3.8	2.2	NJ	3.7	4.0	U	4.0	2.6	J	3.7	3.1	J	4.0	4.3	U	4.3
4,4'-DDD	3.3	J	3.2	J	3.9	2.7	J	3.9	3.4	J	3.9	3.3	J	3.8	6.2		3.9	5.7		3.9	3.3	J	3.9	3.8	J	3.8	5.9	J	3.7	12 (1.2)	J+	4.0	1.7	J	3.7	4.1	J	4.0	2.8	J	4.3
Endosulfan Sulfate	7.2	J	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	3.7	U	3.7	4.0	U	4.0	3.7	U	3.7	4.0	U	4.0	4.3	U	4.3
4,4'-DDT	11.4	J	0.24	NJ	3.9	16		3.9	28		3.9	5.9		3.8	13	J	3.9	0.99	J	3.9	4.1	J	3.9	3.8	U	3.8	8.9	J	3.7	19 (1.4)	J+	4.0	0.89	J	3.7	40		4.0	5.0	J	4.3
Methoxychlor	27	U	1.0	NJ	20	20	U	20	20	U	20	20	U	20	20	U	20	20	U	20	4.2	J	20	2.5	J	20	19	U	19	15 (1.5)	J+	21	19	U	19	21	U	21	22	U	22
Endrin ketone	5.3	U	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	3.7	U	3.7	4.0	U	4.0	3.7	U	3.7	4.0	U	4.0	4.3	U	4.3
Endrin Aldehyde	6.6	J	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	1.4	J	3.8	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.8	U	3.8	0.97	J	3.7	4.0	U	4.0	3.7	U	3.7	4.0	U	4.0	4.3	U	4.3
cis-Chlordane	2.7	U	5.9		2.0	1.8	J	2.0	2.4	J	2.0	1.6	J	2.0	3.0	J	2.0	5.8	J	2.0	0.95	J	2.0	1.9	J	2.0	34		3.8	1.4 (0.14)	J+	2.1	1.5	J	1.9	4.7		2.1	0.72	J	2.2
trans-Chlordane	2.7	U	5.4	J	2.0	2.4		2.0	3.3		2.0	1.3	NJ	2.0	2.9	J	2.0	6.1	J	2.0	0.70	NJ	2.0	1.6	NJ	2.0	46		3.8	2.4	NJ	2.1	1.1	NJ	1.9	4.9	NJ	2.1	0.69	NJ	2.2
Toxaphene	270	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	190	U	190	210	U	210	190	U	190	210	U	210	220	U	220
Reference			Ref. 47, pp. 80, 330			Ref. 47, pp. 87, 330			Ref. 47, pp. 117, 332			Ref. 47, pp. 93, 330, 331			Ref. 47, pp. 179, 368			Ref. 47, pp. 215, 370			Ref. 47, pp. 185, 368, 369			Ref. 47, pp. 99, 331			Ref. 47, pp. 105, 331			Ref. 47, pp. 111, 331			Ref. 47, pp. 193, 369			Ref. 47, pp. 199, 369			Ref. 47, pp. 209, 369		

Sample Purpose:			Source Samples																																					
Field Sample ID:	3x Maximum		6105-S04			6105-SS04A			6105-S08			6105-SS04B			6105-S05			6105-SS08A			6105-SS05A			6105-S06			6105-SS06A			6105-SS06B			6105-S07			6105-SS07A			6105-SS07B		
CLP ID:	Background, or		BG5Q7			BG5Q8			BG5S5			BG5Q9			BG5R0			BG5S6			BG5R1			BG5R3			BG5R4			BG5R5			BG5R6			BG5R7			BG5R8		
Date (ft bgs):	Highest Reporting		6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval:	Detection Limit		0 - 2			4 - 6			4 - 6			8 - 9.5			0 - 2			0 - 2			5.5 - 7			0 - 1.5			1.5 - 2.5			4.8 - 5.8			0 - 2			5 - 7			7 - 8.3		
Comments:									Duplicate of 6105-SS04A									Duplicate of 6105-S05																									
	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Aroclor-1016	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1221	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1232	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1242	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1248	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1254	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	28	J	38	37	U	37	49	J	40	37	U	37	40	U	40	43	U	43
Aroclor-1260	22.8	J	39	U	39	39	U	39	39	U	39	38	U	38	14	NJ	39	15	J	39	66		39	38	U	38	37	U	37	90		40	8.5	J	37	56	J	40	43	U	43
Aroclor-1262	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	38	U	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Aroclor-1268	53	U	39	U	39	39	U	39	39	U	39	38	U	38	39	U	39	39	U	39	39	U	39	41	J	38	37	U	37	40	U	40	37	U	37	40	U	40	43	U	43
Reference			Ref. 47, pp. 80, 335			Ref. 47, pp. 86, 335			Ref. 47, pp. 116, 336			Ref. 47, pp. 92, 335			Ref. 47, pp. 178, 373			Ref. 47, pp. 214, 374			Ref. 47, pp. 184, 374			Ref. 47, pp. 98, 335			Ref. 47, pp. 104, 335			Ref. 47, pp. 110, 335			Ref. 47, pp. 192, 374			Ref. 47, pp. 198, 374			Ref. 47, pp. 208, 374		

All results are reported in micrograms per kilogram (µg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, pp. 2, 158]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, pp. 2, 158]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed contamination.
J+ = The result is an estimated quantity, but the result may be biased high [Ref. 47, pp. 2, 158]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration [Ref. 47, pp. 2, 158]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 7-9]
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2D
SOIL ANALYTICAL DATA - INORGANICS
T & J SALVAGE

Sample Purpose:	Background Samples																		3x Maximum Background, or Highest Reporting Detection Limit		EPA Regional Screening Level (RSL) for Industiral Soil	Source Samples																	
Field Sample ID:	6100B-S01			6100B-SS01A			6100B-SS01B			6100B-S02			6100B-S03			6100B-SS02A			6100B-SS02B						6105-S01			6105-SS01A			6105-S02			6105-SS02A			6105-SS02B			6105-S03			6105-SS03A		
CLP ID:	BG5H8			BG5J1			BG5J2			BG5H9			BG5J0			BG5J3			BG5J4						BG5P8			BG5P9			BG5Q1			BG5Q2			BG5Q3			BG5Q4			BG5Q5		
Date:	6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021			6/7/2021						6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021		
Depth Interval (ft bgs):	0 - 2			5 - 6.5			7 - 8.5			0 - 2			0 - 2			5 - 6			6 - 7.5						0 - 2			8.5 - 10			0 - 2			6.5 - 7.5			7.5 - 8.6			0 - 2			5.5 - 6.5		
Comments:													Duplicate of 6100B-S02																																
	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Value	Q		Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Aluminum	*13000*		20	10000		21	6300		19	12000		20	13000		21	9300		22	6000		20	39000		110000	18000		19	11000		22	11000		18	9600		22	8800		24	14000		18	7700		16
Antimony	1.4 (2.7)	J-	5.9	0.76	J	6.3	5.8	U	5.8	3.0	J	6.1	*3.3*	J	6.4	2.5	J	6.7	0.86	J	6.0	9.9	J	47	5.7	R	5.7	0.88	J	6.7	5.4	U	5.4	3.4	J	6.6	10		7.3	5.4	U	5.4	6.5		4.8
Arsenic	**10**		0.99	**6.5**		1.1	**9.9**		0.97	**11**		1.0	**10**		1.1	**9.4**		1.1	***23***		1.0	69		3	**8.3**		0.95	**7.7**		1.1	**7.5**		0.89	**15**		1.1	**24**		1.2	**7.0**		0.91	**19**		0.81
Barium	650	J	20	*790*		21	110		19	210		20	180		21	230		22	150		20	2370		22000	100		19	490		22	98		18	430		22	1500		73	150		18	2300		81
Beryllium	0.37	J	0.49	0.26	J	0.53	*0.59*		0.48	0.39	J	0.51	0.35	J	0.54	0.51	J	0.56	0.45	J	0.50	1.77		230	0.65		0.47	0.48	J	0.55	0.46		0.45	0.61		0.55	0.51	J	0.61	0.61		0.45	0.39	J	0.40
Cadmium	*0.57*		0.49	0.36	J	0.53	0.12	J	0.48	0.51		0.51	0.50	J	0.54	0.37	J	0.56	0.16	J	0.50	1.71		98	0.35	J	0.47	0.56		0.55	0.39	J	0.45	4.1		0.55	3.6		0.61	0.69		0.45	7.0		0.40
Calcium	19000	J	490	*58000*		1600	3500		480	2800		510	2600		540	4800		560	4800		500	174000		NL	4900	J	470	26000		550	11000		450	14000		550	10000		610	8300		450	26000		2000
Chromium	22	J	0.99	22		1.1	11		0.97	21		1.0	23		1.1	18		1.1	*54*		1.0	162		180000**	22		0.95	41		1.1	27		0.89	39		1.1	61		1.2	30		0.91	69		0.81
Cobalt	8.4		4.9	9.1		5.3	8.1		4.8	8.4		5.1	8.0		5.4	*10*		5.6	9.5		5.0	30		35	8.9		4.7	8.9		5.5	7.4		4.5	8.5		5.5	9.5		6.1	11		4.5	12		4.0
Copper	65		2.5	44		2.6	110		2.4	69		2.5	67		2.7	*1800*		11	120		2.5	5400		4700	58	J	2.4	260		2.8	50		2.2	220		2.8	1200		9.1	65		2.3	300		2.0
Iron	*20000*	J	9.9	13000		11	9500		9.7	19000		10	19000		11	15000		11	12000		10.0	60000	J	82000	23000		9.5	32000		11	17000		8.9	31000		33	51000		36	23000		9.1	45000		40
Lead	**1000**	J	3.0	***1000***		3.2	180		0.97	370		1.0	380		1.1	390		1.1	400		1.00	3000		800	180		0.95	520		2.2	290		0.89	**1200**		3.3	**4100**		12	260		0.91	**5900**		16
Magnesium	3300		490	*3600*		530	580		480	2500		510	2600		540	1500		560	550		500	10800		NL	3500		470	5300		550	4700		450	7900		550	1900		610	4500		450	4000		400
Manganese	*450*		1.5	300		1.6	180		1.5	350		1.5	400		1.6	290		1.7	180		1.5	1350		2600	290		1.4	340		1.7	220		1.3	210		1.7	330		1.8	580		1.4	360		1.2
Nickel	23		4.0	*45*		4.2	16		3.9	27		4.1	26		4.3	24		4.4	19		4.0	135		2200	22		3.8	51		4.4	38		3.6	51		4.4	26		4.9	51		3.6	60		3.2
Potassium	1000		490	*1200*		530	740		480	850		510	950		540	870		560	760		500	3600		NL	1300		470	1300		550	1300		450	1000		550	1000		610	1400		450	1100		400
Selenium	0.83	J	3.5	3.7	UJ	3.7	1.7	J	3.4	3.5	UJ	3.5	3.7	UJ	3.7	0.87	J	3.9	*2.0*	J	3.5	6.0	J	580	1.3	J	3.3	1.9	J	3.9	1.3	J	3.1	12	U	12	2.1	J	13	1.7	J	3.2	14	U	14
Silver	0.99	U	0.99	1.1	U	*1.1*	0.97	U	0.97	1.0	U	1.0	1.1	U	*1.1*	1.1	U	*1.1*	1.0	U	1.0	1.1	U	580	0.95	U	0.95	1.1	U	1.1	0.89	U	0.89	0.85	J	1.1	2.2		1.2	0.91	U	0.91	3.2		0.81
Sodium	130	J	490	400	J	530	*1100*		480	510	U	510	540	U	540	250	J	560	280	J	500	3300		NL	200	J	470	760		550	860		450	750		550	1900		610	300	J	450	310	J	400
Thallium	***2.4***	J	2.5	**1.5**	J	2.6	0.74	J	2.4	**1.4**	J	2.5	**1.8**	J	2.7	**1.2**	J	2.8	**1.3**	J	2.5	7.2	J	1.2	2.4	U	2.4	**1.4**	**J**	2.8	2.2	U	2.2	**1.2**	**J**	2.8	**2.9**	**J**	3.0	1.1	J	2.3	**1.7**	**J**	2.0
Vanadium	*38*		4.9	25		5.3	23		4.8	32		5.1	35		5.4	30		5.6	27		5.0	114		580	36		4.7	33		5.5	30		4.5	39		5.5	20		6.1	34		4.5	39		4.0
Zinc	*440*		5.9	410		6.3	180		5.8	330		6.1	280		6.4	390		6.7	220		6.0	1320		35000	150		5.7	730		6.7	210		5.4	1100		6.6	2100		22	200		5.4	3000		24
Mercury	0.38	J	0.11	0.34	J	0.11	0.17	J	0.12	0.26	J	0.12	0.23	J	0.098	*0.45*	J	0.12	0.43	J	0.12	1.35	J	4.6	0.35	J-	0.11	0.36		0.13	0.14		0.10	1.3		0.11	2.5		0.14	0.27		0.10	1.0		0.11
Reference	Ref. 62, pp. 12, 13, 45, 48			Ref. 62, pp. 29, 30, 46, 48			Ref. 62, pp. 32, 33, 46, 48			Ref. 62, pp. 23, 24, 45, 48			Ref. 62, pp. 26, 27, 46, 48			Ref. 62, pp. 35, 36, 47, 48			Ref. 62, pp. 38, 39, 47, 48					Ref. 56, pp. 8-18	Ref. 48, pp. 9, 10, 105, 111			Ref. 48, pp. 17, 18, 105, 111			Ref. 48, pp. 19, 20, 106, 111			Ref. 48, pp. 21, 22, 106, 111			Ref. 48, pp. 23, 24, 106, 111			Ref. 48, pp. 25, 26, 107, 111			Ref. 48, pp. 27, 28, 107, 111		

All concentrations presented in milligrams per kilogram (mg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
NL = Not Listed
Q = Validation Qualifier

Data Qualifiers:

U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit [Ref. 48, p. 2; 62, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample [Ref. 48, p. 2; 62, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 48, p. 2; 62, p. 2]
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 48, p. 2; 62, p. 2]
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample [Ref. 48, p. 2]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 7-9]
*Screening levels are based on the generic Regional Screening Level (RSL) for industiral soil from the May 2021 summary table for target hazard quotients (THQ) of 0.1, unless otherwise noted [56, pp. 8-18]
**The generic RSL table does not include an industrial soil RSL for total chromium; the maximum contaminant level (MCL)-based soil screening level (SSL) for protection of groundwater is used [Ref. 56, p. 9]
BOLD indicates detections of an analyte that exceed the Risk Assessment RSL for industrial soil.
ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
YELLOW HIGHLIGHT indicates that the result meets observed release/obesrved contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2D
SOIL ANALYTICAL DATA - INORGANICS
T & J SALVAGE
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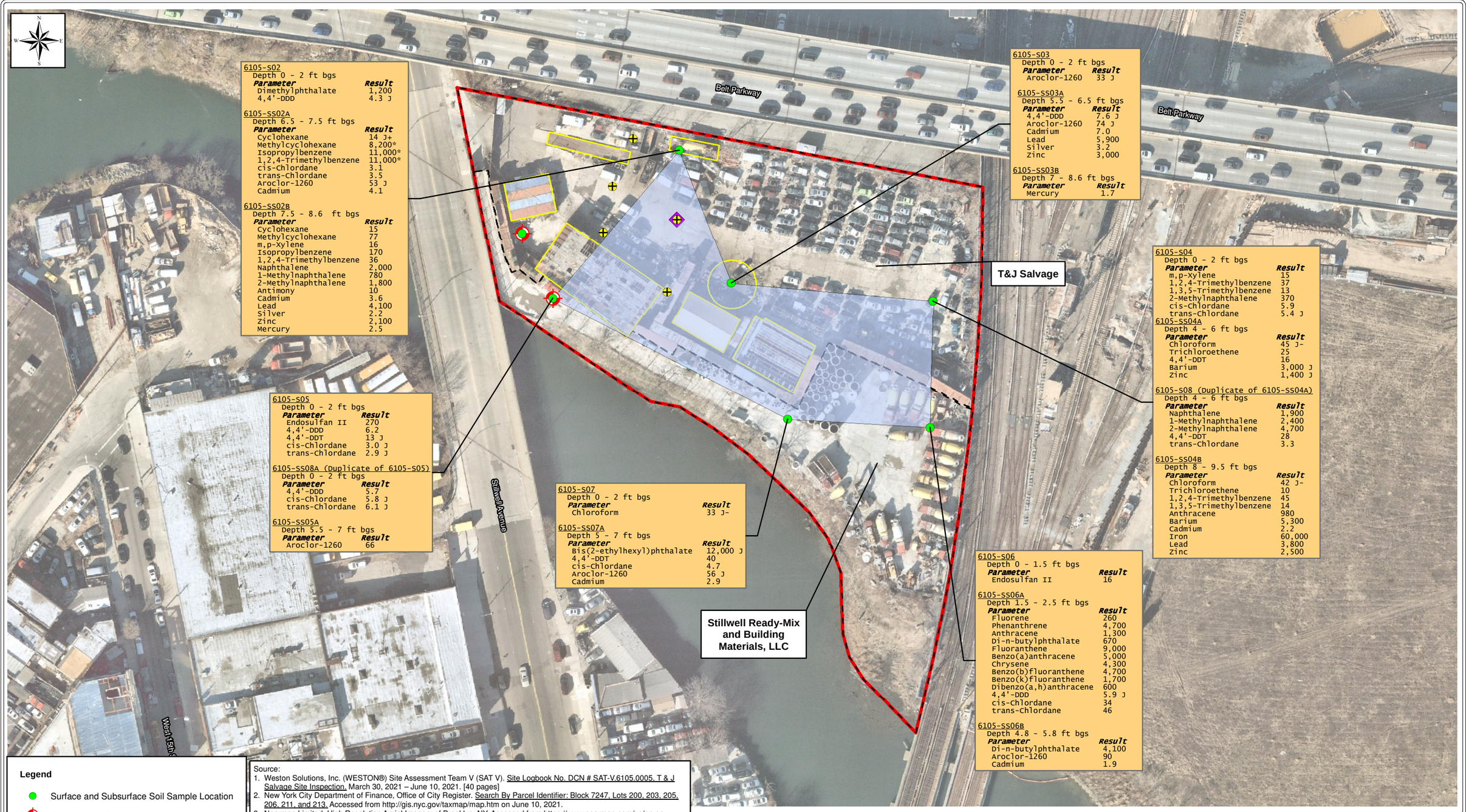
Sample Purpose:				Source Samples																																					
Field Sample ID:	3x Maximum Background, or Highest Reporting Detection Limit		EPA Regional Screening Level (RSL) for Industiral Soil	6105-SS03B			6105-S04			6105-SS04A			6105-S08			6105-SS04B			6105-S05			6105-SS08A			6105-SS05A			6105-S06			6105-SS06A			6105-SS06B			6105-S07			6105-SS07A			6105-SS07B		
CLP ID:				BG5Q6			BG5Q7			BG5Q8			BG5S5			BG5Q9			BG5R0			BG5S6			BG5R1			BG5R3			BG5R4			BG5R5			BG5R6			BG5R7			BG5R8		
Date:				6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021			6/2/2021			6/2/2021			6/2/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval (ft bgs):				7 - 8.6			0 - 2			4 - 6			4 - 6			8 - 9.5			0 - 2			0 - 2			5.5 - 7			0 - 1.5			1.5 - 2.5			4.8 - 5.8			0 - 2			5 - 7			7 - 8.3		
Comments:													Duplicate of 6105-SS04A									Duplicate of 6105-S05																						
	Value	Q		Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Aluminum	39000		110000	7100		20	10000		20	8700		16	7900		17	8000		21	10000		21	9500		21	10000		19	11000		18	10000		17	4100		21	4200		17	4300		18	2800		24
Antimony	9.9	J	47	4.8	J	5.9	5.9	U	5.9	4.9	U	4.9	5.0	U	5.0	3.9	J	6.4	6.3	U	6.3	6.3	U	6.3	5.7	U	5.7	0.84	J	5.3	0.58	J	5.2	1.0	J	6.3	5.1	U	5.1	3.0	J-	5.3	3.1	J	7.1
Arsenic	69		3	**15**		0.99	**8.1**		0.99	**7.4**	**J**	0.81	**6.3**	**J**	0.84	**12**		1.1	8.4 (4.8)	J+	1.0	8.1 (4.6)	J+	1.0	8.8 (5.0)	J+	0.94	**12**		0.88	**9.2**		0.87	**5.4**		1.1	4.0 (2.2)	J+	0.86	10 (5.7)	J+	0.89	8.9 (5.1)	J+	1.2
Barium	2370		22000	290		20	180		20	3000	J	81	830	J	17	5300		210	89		21	87		21	190		19	210		18	2000		87	790		21	61		17	890	J	71	230		24
Beryllium	1.77		230	0.32	J	0.49	0.50		0.50	0.35	J	0.41	0.33	J	0.42	0.29	J	0.53	0.47	J	0.52	0.41	J	0.52	0.58		0.47	0.50		0.44	0.44		0.43	0.22	J	0.53	0.11	J	0.43	0.19	J	0.44	0.15	J	0.59
Cadmium	1.71		98	1.1		0.49	0.64		0.50	1.7		0.41	1.1		0.42	2.2		0.53	0.98		0.52	0.60		0.52	1.7		0.47	1.1		0.44	1.1		0.43	1.9		0.53	0.81		0.43	2.9		0.44	0.52	J	0.59
Calcium	174000		NL	16000		490	18000		500	64000		2000	46000		1300	51000		1600	12000	J	520	22000	J	520	7100		470	12000		440	16000		430	11000		530	81000		1700	19000	J	440	850		590
Chromium	162		180000**	63		0.99	25		0.99	28	J	0.81	22	J	0.84	56		1.1	26		1.0	31		1.0	23		0.94	23		0.88	25		0.87	30		1.1	14		0.86	120		0.89	59		1.2
Cobalt	30		35	6.5		4.9	6.8		5.0	6.3		4.1	4.6		4.2	11		5.3	6.8		5.2	6.1		5.2	6.6		4.7	7.6		4.4	8.1		4.3	5.5		5.3	3.5	J	4.3	6.0		4.4	3.0	J	5.9
Copper	5400		4700	200		2.5	68		2.5	48	J	2.0	30	J	2.1	87		2.7	52		2.6	46		2.6	90		2.4	62		2.2	61		2.2	80		2.6	27		8.6	150	J	2.2	87		3.0
Iron	60000	J	82000	34000		20	19000		9.9	14000	J	8.1	11000	J	8.4	60000		32	18000		10	15000		10	20000		9.4	21000		8.8	19000		8.7	17000		11	14000		8.6	31000		35	32000		12
Lead	3000		800	**1400**		3.9	270		0.99	**2800**	**J**	8.1	790	J	2.5	**3800**		11	180		1.0	150		1.0	320		0.94	380		0.88	**1200**		4.3	**810**		3.2	130		0.86	**1100**	J	3.5	650		2.4
Magnesium	10800		NL	3200		490	5100		500	7400		410	3100		420	3800		530	4500		520	7100		520	3700		470	4600		440	5400		430	2500		530	40000		1700	9500	J	440	1300		590
Manganese	1350		2600	320		1.5	260		1.5	230	J	1.2	240	J	1.3	480		1.6	260		1.6	230		1.6	200		1.4	240		1.3	250		1.3	190		1.6	220		1.3	280	J	1.3	140		1.8
Nickel	135		2200	24		3.9	30		4.0	74	J	3.2	26	J	3.4	58		4.3	34		4.2	26		4.2	25		3.8	27		3.5	30		3.5	24		4.2	22		3.4	43	J	3.5	15		4.7
Potassium	3600		NL	1700		490	1400		500	1300		410	1200		420	1100		530	1100		520	1200		520	1200		470	1200		440	1200		430	720		530	750		430	700		440	520	J	590
Selenium	6.0	J	580	2.4	J	6.9	1.6	J	3.5	2.8	U	2.8	1.3	J	2.9	11	U	11	1.0	J	3.7	3.7	U	3.7	1.1	J	3.3	1.0	J	3.1	1.2	J	3.0	0.85	J	3.7	0.92	J	3.0	12	U	12	1.1	J	4.1
Silver	1.1	U	580	0.28	J	0.99	0.99	U	0.99	0.20	J	0.81	0.84	U	0.84	0.29	J	1.1	1.0	UJ	1.0	1.0	UJ	1.0	0.94	UJ	0.94	0.88	U	0.88	0.87	U	0.87	0.37	J	1.1	0.18	J	0.86	0.45	J	0.89	1.2	UJ	1.2
Sodium	3300		NL	540		490	250	J	500	320	J	410	310	J	420	560		530	250	J	520	180	J	520	500		470	160	J	440	180	J	430	150	J	530	190	J	430	210	J	440	900		590
Thallium	7.2	J	1.2	0.64	J	2.5	2.5	U	2.5	0.89	J	2.0	0.90	J	2.1	**3.6**		2.7	2.6	U	2.6	2.6	U	2.6	2.4	U	2.4	1.1	J	2.2	0.87	J	2.2	2.6	U	2.6	2.1	U	2.1	2.2	UJ	2.2	3.0	U	3.0
Vanadium	114		580	21		4.9	31		5.0	22		4.1	19		4.2	21		5.3	28		5.2	29		5.2	34		4.7	29		4.4	29		4.3	23		5.3	30		4.3	30		4.4	14		5.9
Zinc	1320		35000	700		5.9	220		5.9	1400	J	24	950	J	15	2500		19	360	J	6.3	170	J	6.3	350		5.7	690		5.3	430		5.2	970		6.3	180		5.1	1100		21	540		7.1
Mercury	1.35	J	4.6	1.7		0.11	0.26		0.10	0.37		0.11	0.33		0.098	0.34		0.11	0.19		0.12	0.20		0.11	0.56		0.11	1.3		0.11	0.27		0.11	0.12		0.12	0.044	J	0.094	0.57		0.12	0.52		0.12
Reference			Ref. 56, pp. 8-18	Ref. 48, pp. 29, 30, 107, 111			Ref. 48, pp. 31, 32, 108, 111			Ref. 48, pp. 33, 34, 108, 111			Ref. 48, pp. 43, 44, 110, 111			Ref. 48, pp. 35, 36, 108, 111			Ref. 48, pp. 57, 58, 112, 115			Ref. 48, pp. 73, 74, 114, 115			Ref. 48, pp. 59, 60, 112, 115			Ref. 48, pp. 37, 38, 109, 111			Ref. 48, pp. 39, 40, 109, 111			Ref. 48, pp. 41, 42, 109, 111			Ref. 48, pp. 61, 62, 113, 115			Ref. 48, pp. 63, 64, 113, 115			Ref. 48, pp. 71, 72, 113, 115		

All concentrations presented in milligrams per kilogram (mg/kg)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
NL = Not Listed
Q = Validation Qualifier
Data Qualifiers:
U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit [Ref. 48, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample [Ref. 48, p. 2]
J+ = The result is an estimated quantity, but the result may be biased high [Ref. 48, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 48, p. 2]
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 48, p. 2]
Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 60, pp. 7-9]
*Screening levels are based on the generic Regional Screening Level (RSL) for industiral soil from the May 2021 summary table for target hazard quotients (THQ) of 0.1, unless otherwise noted [Ref. 56, pp. 8-18]
**The generic RSL table does not include an industrial soil RSL for total chromium; the maximum contaminant level (MCL)-based soil screening level (SSL) for protection of groundwater is used [Ref. 56, p. 9]
BOLD indicates detections of an analyte that exceed the Risk Assessment RSL for industrial soil.
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination (≥ 3x maximum background, or ≥ highest RDL if no background detection)



6105-S02
Depth 0 - 2 ft bgs

Parameter	Result
Dimethylphthalate	1,200
4,4'-DDD	4.3 J

6105-SS02A
Depth 6.5 - 7.5 ft bgs

Parameter	Result
Cyclohexane	14 J+
Methylcyclohexane	8,200*
Isopropylbenzene	11,000*
1,2,4-Trimethylbenzene	11,000*
cis-Chlordane	3.1
trans-Chlordane	3.5
Aroclor-1260	53 J
Cadmium	4.1

6105-SS02B
Depth 7.5 - 8.6 ft bgs

Parameter	Result
Cyclohexane	15
Methylcyclohexane	77
m,p-Xylene	16
Isopropylbenzene	170
1,2,4-Trimethylbenzene	36
Naphthalene	2,000
1-Methylnaphthalene	780
2-Methylnaphthalene	1,800
Antimony	10
Cadmium	3.6
Lead	4,100
Silver	2.2
Zinc	2,100
Mercury	2.5

6105-S03
Depth 0 - 2 ft bgs

Parameter	Result
Aroclor-1260	33 J

6105-SS03A
Depth 5.5 - 6.5 ft bgs

Parameter	Result
4,4'-DDD	7.6 J
Aroclor-1260	74 J
Cadmium	7.0
Lead	5,900
Silver	3.2
Zinc	3,000

6105-SS03B
Depth 7 - 8.6 ft bgs

Parameter	Result
Mercury	1.7

6105-S04
Depth 0 - 2 ft bgs

Parameter	Result
m,p-Xylene	15
1,2,4-Trimethylbenzene	37
1,3,5-Trimethylbenzene	13
2-Methylnaphthalene	370
cis-Chlordane	5.9
trans-Chlordane	5.4 J

6105-SS04A
Depth 4 - 6 ft bgs

Parameter	Result
Chloroform	45 J-
Trichloroethene	25
4,4'-DDT	16
Barium	3,000 J
Zinc	1,400 J

6105-S08 (Duplicate of 6105-SS04A)
Depth 4 - 6 ft bgs

Parameter	Result
Naphthalene	1,900
1-Methylnaphthalene	2,400
2-Methylnaphthalene	4,700
4,4'-DDT	28
trans-Chlordane	3.3

6105-SS04B
Depth 8 - 9.5 ft bgs

Parameter	Result
Chloroform	42 J-
Trichloroethene	10
1,2,4-Trimethylbenzene	45
1,3,5-Trimethylbenzene	14
Anthracene	980
Barium	5,300
Cadmium	2.2
Iron	60,000
Lead	3,800
Zinc	2,500

6105-S05
Depth 0 - 2 ft bgs

Parameter	Result
Endosulfan II	270
4,4'-DDD	6.2
4,4'-DDT	13 J
cis-Chlordane	3.0 J
trans-Chlordane	2.9 J

6105-SS08A (Duplicate of 6105-S05)
Depth 0 - 2 ft bgs

Parameter	Result
4,4'-DDD	5.7
cis-Chlordane	5.8 J
trans-Chlordane	6.1 J

6105-SS05A
Depth 5.5 - 7 ft bgs

Parameter	Result
Aroclor-1260	66

6105-S07
Depth 0 - 2 ft bgs

Parameter	Result
Chloroform	33 J-

6105-SS07A
Depth 5 - 7 ft bgs

Parameter	Result
Bis(2-ethylhexyl)phthalate	12,000 J
4,4'-DDT	40
cis-Chlordane	4.7
Aroclor-1260	56 J
Cadmium	2.9

6105-S06
Depth 0 - 1.5 ft bgs

Parameter	Result
Endosulfan II	16

6105-SS06A
Depth 1.5 - 2.5 ft bgs

Parameter	Result
Fluorene	260
Phenanthrene	4,700
Anthracene	1,300
Di-n-butylphthalate	670
Fluoranthene	9,000
Benzo(a)anthracene	5,000
Chrysene	4,300
Benzo(b)fluoranthene	4,700
Benzo(k)fluoranthene	1,700
Dibenzo(a,h)anthracene	600
4,4'-DDD	5.9 J
cis-Chlordane	34
trans-Chlordane	46

6105-SS06B
Depth 4.8 - 5.8 ft bgs

Parameter	Result
Di-n-butylphthalate	4,100
Aroclor-1260	90
Cadmium	1.9

Legend

- Surface and Subsurface Soil Sample Location
- Groundwater Sample Location
- Stormwater Sample Location
- Catch Basin Drain
- Contaminated Soil Source (35,365 sq feet)
- Site Features
- Site Division
- Approximate Site Extent

Source:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team V (SAT V). Site Logbook No. DCN # SAT-V.6105.0005, T & J Salvage Site Inspection. March 30, 2021 – June 10, 2021. [40 pages]
2. New York City Department of Finance, Office of City Register. Search By Parcel Identifier: Block 7247, Lots 200, 203, 205, 206, 211, and 213. Accessed from http://gis.nyc.gov/taxmap/map.htm on June 10, 2021.
3. Nearmap Limited. High Resolution Aerial Imagery of Brooklyn, NY. Accessed from https://www.nearmap.com/us/en on February 26, 2021.
4. Arnone, Russell, and Narendra Kumar, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49463, SDG Nos.: BG5P8 and BG5R0; with attached analytical data. July 2021. [376 pages] pp. 41, 44, 46–48, 50, 52, 56, 58, 60, 64, 66, 67, 70, 78, 81–82, 84, 87, 90, 94, 96, 99, 102, 105–107, 110, 113, 117–118, 179, 182, 184, 188, 196, 198–199, 201, 218
5. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49463, SDG Nos.: BG5P8-M and BG5R0-M; with attached analytical data. July 2021. [119 pages] pp. 22–24, 28–29, 34, 36, 42, 64

Notes:
1. Depth in feet below ground surface (bgs).
2. Resuts for organic constituents presented in micrograms per kilogram (µg/kg).
3. Results for inorganic constituents presented in milligrams per kilogram (mg/kg).
4. J - estimated concentration.
5. The contaminated soil source is shaded. The calculated surface area beneath the concrete is 35,365 square feet.
6. Only showing locations/results that meet the criteria for observed contamination (≥3x maximum background, or ≥ highest RDL if no background detections).

SCALE: 0 40 80 160 Scale in Feet

PROJECT: T & J Salvage SI

CLIENT NAME: EPA

TITLE: CONTAMINANT LEVELS AT T & J SALVAGE BROOKLYN, KINGS COUNTY, NY

WESTON SOLUTIONS SM

DATE: December 2021

FIGURE #: 5

Acetone and 2-butanone were detected in multiple soil samples at maximum concentrations of 170 µg/kg and 23 µg/kg, respectively [Ref. 47, pp. 44, 50, 58, 64, 70, 78, 82, 90, 96, 102, 182, 188, 196, 218]. Both acetone and 2-butanone are known common laboratory contaminants; therefore, the detections of these two VOCs in soil are not considered part of the contaminated soil source [Ref. 53, pp. 7–8].

The SVOCs fluorene (260 µg/kg), phenanthrene (4,700 µg/kg), anthracene (1,300 µg/kg), fluoranthene (9,000 µg/kg), benzo(a)anthracene (5,000 µg/kg), chrysene (4,300 µg/kg), benzo(b)fluoranthene (4,700 µg/kg), benzo(k)-fluoranthene (1,700 µg/kg), and dibenzo(a,h)anthracene (600 µg/kg) were detected at concentrations greater than or equal to 3x the maximum background levels in subsurface soil sample 6105-SS06A, which was collected near the filled tidal wetlands in the southeastern portion of the site [Ref. 29, pp. 3–4; 47, pp. 106–107]. Anthracene was also detected at concentrations greater than 3x the maximum background level in subsurface sample 6105-SS04B (980 µg/kg) [Ref. 47, p. 94]. Bis(2-ethylhexyl)phthalate and dimethylphthalate were detected at concentrations three times above the maximum background concentration in soil samples 6105-SS07A (12,000 J µg/kg) and 6105-S02 (1,200 µg/kg), respectively [Ref. 47, pp. 42–43, 200–202]. Di-n-butylphthalate was detected at concentrations greater than the highest background RDL in subsurface soil samples 6105-SS06A (670 µg/kg) and 6105-SS06B (4,100 µg/kg) [Ref. 47, pp. 107, 113]. Naphthalene (2,000 µg/kg), 1-methylnaphthalene (780 µg/kg), and 2-methylnaphthalene (1,800 µg/kg) were detected at concentrations above the RDL in subsurface soil sample 6105-SS02B [Ref. 47, p. 56]. 2-methylnaphthalene was also detected in surface soil sample 6105-S04, at a concentration of 370 µg/kg [Ref. 47, p. 82].

The pesticide endosulfan II was detected at concentrations greater than 3x the maximum background level in surface soil samples 6105-S05 (270 µg/kg) and 6105-S06 (16 µg/kg) [Ref. 47, pp. 99, 179]. 4,4'-DDT was detected at concentrations three times above the maximum background concentration in 6105-SS04A (16 µg/kg) and 6105-S05 (13 J µg/kg) [Ref. 47, pp. 87, 179]. 4,4'-DDD was detected at concentrations greater than the RDL in soil samples 6105-S02, 6105-SS03A, 6105-S05, and 6105-SS06A, at a maximum concentration of 7.6 µg/kg [Ref. 47, pp. 41, 67, 105, 179]. Cis- and trans-chlordane were detected at concentrations greater than the highest background RDL in soil samples 6105-SS02A, 6105-S04, 6105-S05, and 6105-SS06A (maximum concentration of 34 µg/kg and 46 µg/kg, respectively) [Ref. 47, pp. 47, 81, 105, 179]. These endosulfan II, 4,4'-DDT, 4,4'-DDD, cis-chlordane, and trans-chlordane detections are more than two orders of magnitude below the EPA's 2021 Regional Screening Levels (RSL) for industrial soil (700,000 µg/kg [endosulfan II], 8,500 µg/kg [4,4'-DDT], 2,500 µg/kg [4,4'-DDD], and 50,000 µg/kg [cis-chlordane and trans-chlordane]) [Ref. 56, pp. 9–11].

The PCB Aroclor-1260 was detected at concentrations greater than 3x the maximum background level in soil samples 6105-SS02A (53 J µg/kg), 6105-SS03A (74 J µg/kg), 6105-SS05A (66 µg/kg), 6105-SS06B (90 µg/kg), and 6105-SS07A (56 J µg/kg) [Ref. 47, pp. 46, 60, 66, 110, 184, 198]. No other Aroclor was detected at concentrations greater than or equal to 3x the maximum background, or greater than the highest RDL when all background results were non-detect.

Lead was detected at concentrations above 3x the maximum background level in subsurface soil samples 6105-SS02B (4,100 mg/kg), 6105-SS03A (5,900 mg/kg), and 6105-SS04B (3,800 mg/kg)

[Ref. 48, pp. 24, 28, 36]. These lead detections were also above the EPA's RSL for industrial soil (800 mg/kg) [Ref. 56, p. 13]. Cadmium was detected at concentrations greater than 3x the maximum background level in samples 6105-SS02A, 6105-SS02B, 6105-SS03A, 6105-SS04B, 6105-SS06B, and 6105-SS07A (maximum concentration of 7.0 mg/kg) [Ref. 48, pp. 22, 24, 28 36, 42, 64]. In addition to lead (4,100 mg/kg) and cadmium (3.6 mg/kg), antimony (10 mg/kg), silver (2.2 mg/kg), zinc (2,100 mg/kg), and mercury (2.5 mg/kg) were also at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, in subsurface soil sample 6105-SS02B (7.5 – 8.6 feet bgs), which was collected in the northern portion of the site, near the automobile crusher [Ref. 40, pp. 2, 5; 48, pp. 23–24]. Silver and mercury were also detected at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, in subsurface soil samples 6105-SS03A (3.2 mg/kg) and 6105-SS03B (1.7 mg/kg), respectively [Ref. 48, pp. 27–30]. Zinc was detected in three other soil samples (6105-SS03A, 6105-SS04A, and 6105-SS04B) at a maximum concentration of 3,000 mg/kg [Ref. 48, pp. 28, 34, 36]. Barium was detected at concentrations greater than 3x the maximum background level in soil samples 6105-SS04A and 6105-SS04B (maximum concentration of 5,300 mg/kg) [Ref. 48, pp. 34, 36]. Iron was detected at concentrations three times above the maximum background level in soil sample 6015-SS04B (60,000 mg/kg) [Ref. 48, p. 36]. All detections for antimony, barium, cadmium, iron, silver, zinc, and mercury were below the applicable RSLs for industrial soil (47 mg/kg, 22,000 mg/kg, 98 mg/kg, 82,000 mg/kg, 580 mg/kg, 35,000 mg/kg, and 4.6 mg/kg, respectively) [Ref. 56, pp. 8–9, 12–13, 16, 18].

Magnesium was detected at concentrations three times above the maximum background level in soil samples 6105-S07 (40,000 mg/kg) [Ref. 48, p. 62]. Magnesium is a naturally occurring mineral with wide ranges of concentrations in natural soils and no corresponding EPA RSL for industrial soil; therefore, the detection of magnesium is not considered part of the contaminated soil source [Ref. 48, p. 62; 58, p. 1].

Stormwater analytical results document the presence of an on-site contaminated stormwater source consisting of the VOCs cyclohexane (5.7 micrograms per liter [µg/L]), methylcyclohexane (5.0 µg/L), toluene (23 µg/L), ethylbenzene (8.2 µg/L), o-xylene (26 µg/L), m,p-xylene (64 µg/L), 1,2,4-trimethylbenzene (41 µg/L), and 1,3,5-trimethylbenzene (11 µg/L); and metals copper (39 µg/L), iron (380 µg/L), and manganese (26 µg/L) [Ref. 47, p. 248; 48, p. 98]. The VOC acetone (27 µg/L) and the inorganic analytes calcium (24,000 µg/L), potassium 5,400 µg/L), and sodium (19,000 µg/L) were detected in the stormwater sample; however, they are not considered to be part of the contaminated stormwater source [Ref. 47, p. 248; 48, p. 98]. Acetone is a common laboratory contaminant [Ref. 53, p. 7]. The inorganic analytes calcium, potassium, and sodium are ubiquitous naturally-occurring minerals. No SVOCs, pesticides, and PCBs were detected above the applicable RDLs in the stormwater sample. Stormwater analytical results are presented in **Tables 3A through 3D**.

Analytical results for groundwater samples collected in support of the SI do not establish an observed release to the groundwater migration pathway (i.e., there were no detections of site-attributable contaminants that meet the criteria for an observed release; non-attributable detections are discussed below). Groundwater analytical results are presented in **Tables 3A through 3D**.

TABLE 3A
AQUEOUS ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
T & J Salvage

Sample Purpose:	Background Samples						3x Maximum Background, or Highest Reporting Detection Limit		Groundwater Samples									Stormwater Sample*		
Field Sample ID:	6100B-GW01			6100B-GW03					6105-GW01			6105-GW05			6105-GW08			6105-CBW01*		
CLP ID:	B0AA7			B0AA9					BG5S8			BG5T2			BG5T5			BG5W0		
Date:	6/8/2021			6/8/2021					6/3/2021			6/3/2021			6/3/2021			6/3/2021		
Screened Interval (ft bgs):	0 - 10			0 - 10					0 - 10			0 - 10			0 - 10			Stormwater runoff catch basin		
Comments:				Duplicate of 6100B-GW01											Duplicate of 6105-GW05					
Analyte	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Vinyl chloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromomethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Trichlorofluoromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Acetone	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	27		10
Carbon disulfide	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	0.85	J-	5.0	5.0	U	5.0	1.3	J	5.0	5.0	U	5.0
Methyl Acetate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methylene chloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0
Methyl tert-butyl Ether	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1-Dichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
cis-1,2-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0
2-Butanone	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	8.5	J	10
Bromochloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloroform	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,1-Trichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Cyclohexane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.7		5.0
Carbon tetrachloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Benzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	1.1	J	5.0
1,2-Dichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Trichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methylcyclohexane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0		5.0
1,2-Dichloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromodichloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Methyl-2-pentanone	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	5.8	J	10
Toluene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	1.0	J	5.0	0.81	J	5.0	23		5.0
trans-1,3-Dichloropropene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Tetrachloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Hexanone	10	U	*10*	10	U	*10*	10	U	10	U	10	4.0	J	10	10	U	10	10	U	10
Dibromochloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dibromoethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Ethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	8.2		5.0
o-Xylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	26		5.0
m,p-Xylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	64		5.0
Styrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromoform	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Isopropylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	0.90	J	5.0
1,2,3-Trichloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dibromo-3-chloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,4-Trimethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	41		5.0
1,3,5-Trimethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	11		5.0
1,2,4-trichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,3-Trichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Reference	Ref. 61, pp. 25, 26, 108, 109			Ref. 61, pp. 35, 36, 109, 110					Ref. 47, pp. 226, 227, 344, 345			Ref. 47, pp. 236, 237, 345			Ref. 47, pp. 242, 243, 345, 346			Ref. 47, pp. 248, 249, 346, 347		

All results are reported in micrograms per liter (µg/L)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, p. 158; 61, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, p. 158; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed release.
J- = The result is an estimated quantity, but the result may be biased low [Ref. 47, p. 158; 61, p. 2]
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 47, p. 158; 61, p. 2]

ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
ORANGE HIGHLIGHT indicates that the result is greater than the RDL; there is no background sample for the matrix for comparison
*Sample is not compared to background concentrations, as sample is an unlike matrix; analytical results do not establish an observed release

TABLE 3B
AQUEOUS ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
T & J Salvage

Sample Purpose:	Background Samples						3x Maximum Background, or Highest Reporting Detection Limit		Groundwater Samples									Stormwater Sample*		
Field Sample ID:	6100B-GW01			6100B-GW03					6105-GW01			6105-GW05			6105-GW08			6105-CBW01*		
CLP ID:	B0AA7			B0AA9					BG5S8			BG5T2			BG5T5			BG5W0		
Date:	6/8/2021			6/8/2021					6/3/2021			6/3/2021			6/3/2021			6/3/2021		
Screened Interval (ft bgs):	0 - 10			0 - 10					0 - 10			0 - 10			0 - 10			Stormwater runoff catch basin		
Comments:				Duplicate of 6100B-GW01											Duplicate of 6105-GW05					
	Result	Q	RDL	Result	Q	RDL	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	2.0	U	*2.0*	2.0	U	*2.0*	2.0	U	2.0	UJ	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Benzaldehyde	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Phenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Bis(2-Chloroethyl)ether	10	U	*10*	10	U	*10*	10	U	10	UJ	10	10	U	10	10	U	10	10	U	10
2-Chlorophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Methylphenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
2,2-oxybis(1-Chloropropane)	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Acetophenone	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	1.7	J	10
4-Methylphenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
N-Nitroso-di-n-propylamine	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Hexachloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Nitrobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Isophorone	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Nitrophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,4-Dimethylphenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bis(2-Chloroethoxy)methane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,4-Dichlorophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Naphthalene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Chloroaniline	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	UJ	10
Hexachlorobutadiene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Caprolactam	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
4-Chloro-3-methylphenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1-Methylnaphthalene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Methylnaphthalene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Hexachlorocyclopentadiene	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	UJ	10
2,4,6-Trichlorophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,4,5-Trichlorophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1-Biphenyl	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Chloronaphthalene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Nitroaniline	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Dimethylphthalate	5.0	U	5.0	*1.8*	J	5.0	5.4	J	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,6-Dinitrotoluene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Acenaphthylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
3-Nitroaniline	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Acenaphthene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,4-Dinitrophenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
4-Nitrophenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Dibenzofuran	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,4-Dinitrotoluene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Diethylphthalate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Fluorene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Chlorophenyl-phenylether	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Nitroaniline	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
4,6-Dinitro-2-methylphenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
N-Nitrosodiphenylamine	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,4,5-Tetrachlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Bromophenyl-phenylether	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Hexachlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Atrazine	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Pentachlorophenol	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Phenanthrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Anthracene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Carbazole	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Di-n-butylphthalate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Fluoranthene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Pyrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Butylbenzylphthalate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	UJ	5.0	5.0	UJ	5.0	5.0	UJ	5.0
3,3-Dichlorobenzidine	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	UJ	10
Benzo(a)anthracene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chrysene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bis(2-ethylhexyl)phthalate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	UJ	5.0	5.0	UJ	5.0	4.4	J	5.0
Di-n-octyl phthalate	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10
Benzo(b)fluoranthene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Benzo(k)fluoranthene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Benzo(a)pyrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Indeno(1,2,3-cd)pyrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Dibenzo(a,h)anthracene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Benzo(g,h,i)perylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2,3,4,6-Tetrachlorophenol	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Reference	Ref. 61, pp. 23, 24, 119, 120			Ref. 61, pp. 33, 34, 120, 121					Ref. 47, pp. 224, 225, 360, 361			Ref. 47, pp. 234, 235, 361, 362			Ref. 47, pp. 240, 241, 362, 363			Ref. 47, pp. 246, 247, 363, 364		

All results are reported in micrograms per liter (µg/L)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, p. 158; 61, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref.47, p. 158; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed release.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 47, p. 158; 61, p. 2]

ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
*Sample is not compared to background concentrations, as sample is an unlike matrix

TABLE 3C
AQUEOUS ANALYTICAL DATA - PESTICIDES AND AROCLORS
T & J Salvage
Page 1 of 1

Sample Purpose:	Background Samples						3x Maximum Background, or Highest Reporting Detection Limit		Groundwater Samples									Stormwater Sample*		
Field Sample ID:	6100B-GW01			6100B-GW03					6105-GW01			6105-GW05			6105-GW08			6105-CBW01*		
CLP ID:	B0AA7			B0AA9					BG5S8			BG5T2			BG5T5			BG5W0		
Date:	6/8/2021			6/8/2021					6/3/2021			6/3/2021			6/3/2021			6/3/2021		
Screened Interval (ft bgs):	0 - 10			0 - 10					0 - 10			0 - 10			0 - 10			Stormwater runoff		
Comments:				Duplicate of 6100B-GW01											Duplicate of 6105-GW05			catch basin		
	Result	Q	RDL	Result	Q	RDL	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
alpha-BHC	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050
beta-BHC	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050
delta-BHC	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.015	J	0.050
gamma-BHC (Lindane)	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.026	J	0.050
Heptachlor	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.023	NJ	0.050
Aldrin	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.021	J	0.050
Heptachlor epoxide	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.031	NJ	0.050
Endosulfan I	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.023	J	0.050
Dieldrin	0.10	U	0.10	*0.011*	J	0.10	0.033	J	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
4,4'-DDE	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.0038	J	0.10	0.10	U	0.10	0.10	U	0.10
Endrin	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Endosulfan II	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
4,4'-DDD	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.0095	J	0.10	0.0062	J	0.10	0.10	U	0.10
Endosulfan Sulfate	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
4,4'-DDT	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.0073	J	0.10	0.0062	J	0.10	0.10	U	0.10
Methoxychlor	0.50	U	*0.50*	0.50	U	*0.50*	0.50	U	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Endrin ketone	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Endrin Aldehyde	0.10	U	*0.10*	0.10	U	*0.10*	0.10	U	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
cis-Chlordane	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.0083	J	0.050	0.0056	NJ	0.050	0.050	U	0.050
trans-Chlordane	0.050	U	*0.050*	0.050	U	*0.050*	0.050	U	0.050	U	0.050	0.0077	J	0.050	0.0057	NJ	0.050	0.050	U	0.050
Toxaphene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Reference	Ref. 61, pp. 22, 133			Ref. 61, pp. 32, 133					Ref. 47, pp. 223, 370			Ref. 47, pp. 233, 370			Ref. 47, pp. 239, 370, 371			Ref. 47, pp. 245, 371		

Sample Purpose:	Background Samples						3x Maximum Background, or Highest Reporting Detection Limit		Groundwater Samples									Stormwater Sample*		
Field Sample ID:	6100B-GW01			6100B-GW03					6105-GW01			6105-GW05			6105-GW08			6105-CBW01*		
CLP ID:	B0AA7			B0AA9					BG5S8			BG5T2			BG5T5			BG5W0		
Date (ft bgs):	6/8/2021			6/8/2021					6/3/2021			6/3/2021			6/3/2021			6/3/2021		
Depth Interval:	0 - 10			0 - 10														Stormwater runoff		
Comments:				Duplicate of 6100B-GW01														catch basin		
	Result	Q	RDL	Result	Q	RDL	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
Aroclor-1016	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1221	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1232	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1242	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1248	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1254	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1260	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	0.12	J	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1262	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Aroclor-1268	1.0	U	*1.0*	1.0	U	*1.0*	1.0	U	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Reference	Ref. 61, pp. 21, 138			Ref. 61, pp. 31, 138					Ref. 47, pp. 222, 374			Ref. 47, pp. 232, 374			Ref. 47, pp. 238, 374			Ref. 47, pp. 244, 375		

All results are reported in micrograms per liter (µg/L)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 47, p. 158; 61, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 47, p. 158; 61, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of 3x background or for evaluation of observed release.
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 47, p. 158]

ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
*Sample is not compared to background concentrations, as sample is an unlike matrix

TABLE 3D
GROUNDWATER ANALYTICAL DATA - INORGANICS
T & J SALVAGE

Sample Purpose:	Background Samples						3x Maximum Background, or Highest Reporting Detection Limit		EPA Maximum Contaminant Level (MCL) [µg/L]	EPA National Secondary Maximum Contaminant Level (SMCL) [µg/L]	Release Samples									Stormwater Sample*		
Field Sample ID:	6100B-GW01			6100B-GW03							6105-GW01			6105-GW05			6105-GW08			6105-CBW01*		
CLP ID:	B0AA7			B0AA9							BG5S8			BG5T2			BG5T5			BG5W0		
Date:	6/8/2021			6/8/2021							6/3/2021			6/3/2021			6/3/2021			6/3/2021		
Screened Invertal (ft bgs):	0 - 10			0 - 10							0 - 10			0 - 10			0 - 10			Stormwater runoff catch basin		
Comments:				Duplicate of 6100B-GW01													Duplicate of 6105-GW05					
Analyte	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**			**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aluminum	*39*	J	200	200	U	200	117	J	NL	50	200	U	200	200	U	200	**380**		200	200	U	200
Antimony	60	U	*60*	60	U	*60*	60	U	6	NA	60	U	60	60	U	60	60	U	60	60	U	60
Arsenic	*3.3*	J	10	10	UJ	10	9.9	J	10	NA	10	U	10	10	U	10	10	U	10	10	U	10
Barium	*130*	J	200	120	J	200	390	J	2,000	NA	140	J	200	150	J	200	150	J	200	200	U	200
Beryllium	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	4	NA	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Cadmium	*1.3*	J	5.0	1.2	J	5.0	3.9	J	5	NA	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Calcium	*270000*		5000	260000		5000	810000		NL	NL	100000		5000	79000		5000	79000		5000	24000		5000
Chromium	10	U	*10*	10	U	*10*	10	U	100	NA	10	U	10	10	U	10	1.3	J	10	1.5	J	10
Cobalt	50	U	*50*	50	U	*50*	50	U	NL	NL	50	U	50	50	U	50	50	U	50	50	U	50
Copper	*13*	J	25	8.7	J	25	39	J	1,300	1,000	25	U	25	25	U	25	25	U	25	39		25
Iron	3300		100	*3600*		100	10800		NL	300	100	U	100	1700		100	2000		100	380		100
Lead	***21***		10	***21***		10	63		15	NA	10	U	10	10	U	10	10	U	10	10	U	10
Magnesium	*450000*		15000	430000		15000	1350000		NL	NL	35000		5000	37000		5000	36000		5000	1400	J	5000
Manganese	***550***		15	**520**		15	1650		NL	500	11	J	15	130		15	140		15	26		15
Nickel	*6.7*	J	40	6.3	J	40	20.1	J	NL	NL	40	U	40	40	U	40	40	U	40	40	U	40
Potassium	*160000*		5000	*160000*		5000	480000		NL	NL	15000		5000	17000		5000	17000		5000	5400		5000
Selenium	35	U	*35*	35	U	*35*	35	U	50	NA	35	U	35	35	U	35	35	U	35	35	U	35
Silver	10	U	*10*	10	U	*10*	10	U	NL	100	10	U	10	10	U	10	10	U	10	10	U	10
Sodium	*3800000*	J	100000	3600000		100000	11400000	J	NL	NL	270000		10000	280000		10000	280000		10000	19000		5000
Thallium	25	U	25	***9.2***	**J**	25	27.6	J	2	NA	25	U	25	25	U	25	25	U	25	25	U	25
Vanadium	50	U	*50*	50	U	*50*	50	U	NL	NL	50	U	50	50	U	50	50	U	50	50	U	50
Zinc	*250*		60	230		60	750		NL	5,000	88		60	60	U	60	13	J	60	54	J	60
Mercury	0.20	UJ	*0.20*	0.20	UJ	*0.20*	0.20	U	2	NA	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Reference	Ref. 63, pp. 8, 9, 21, 22, 23			Ref. 63, pp. 15, 16, 21, 22, 23					Ref. 65, pp. 5-10	Ref. 64, pp. 2, 3	Ref. 48, pp. 86, 87, 116, 118			Ref. 48, pp. 93, 94, 117, 118			Ref. 48, pp. 95, 96, 117, 119			Ref. 48, pp. 97, 98, 117, 119		

All concentrations presented in milligrams per liter (µg/L)
ft bgs = feet below ground surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:
U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit [Ref. 63, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample [Ref. 63, p. 2]
UJ = The analtye was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 63, p. 2]
Screening levels are based on the EPA Maximum Contaminant Levels (MCL) and EPA National Secondary Maximum Contaminant Level (SMCL) [Ref. 64, pp. 2-3; 65, pp. 5-10]
BOLD indicates detection of an analyte exceeds a screening level (EPA MCL or SMCL)
ITALICS indicate the highest background detection for each analyte (or highest RDL if no detections)
ORANGE HIGHLIGHT indicates the results is greater than the RDL; there is no background samplefor the matrix for comparison
*Sample is not compared to background concentrations, as sample is an unlike matrix; analytical results do not establish an observed release

The VOCs carbon disulfide in groundwater samples 6105-GW01 and 6105-GW08 (duplicate of 6105-GW05), toluene in duplicate samples 6105-GW05 and 6105-GW08, and 2-hexanone in sample 6105-GW05, were detected at estimated concentrations below reporting detection limits [Ref. 40, p. 2; 47, pp. 226, 236, 242, 344–346]. These VOCs were not detected at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect, in the contaminated soil source, nor were they detected above RDLs in the stormwater source. Additionally, their concentrations were below the highest background groundwater RDLs (5.0 U µg/L [carbon disulfide and toluene] and 10 U µg/L [2-hexanone]) [Ref. 61, p. 109].

There were no detections of SVOCs in groundwater samples. The pesticides 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, cis-chlordane, and trans-chlordane were detected at relatively low concentrations (0.0038 J µg/L, 0.0095 J µg/L, 0.0073 J µg/L, 0.0083 µg/L, and 0.0077 µg/L, respectively) in groundwater sample 6105-GW05 [Ref. 47, p. 233]. The PCB Aroclor-1260 was detected in sample 6105-GW05 at a concentration of 0.12 J µg/L [Ref. 47, p. 232].

Barium, calcium, magnesium, manganese, potassium, and sodium were detected in all groundwater samples at maximum concentrations of 150 J µg/L, 100,000 µg/L, 37,000 µg/L, 130 µg/L, 17,000 µg/L, and 280,000 µg/L, respectively [Ref. 48, pp. 87, 94, 96]. Aluminum (380 µg/L), chromium (1.3 J µg/L), and zinc (13 J µg/L) were detected in environmental duplicate sample 6105-GW08, but not in the corresponding sample of the field duplicate, 6105-GW05 [Ref. 48, p. 96]. Zinc was also detected in sample 6105-GW01 (88 µg/L) [Ref. 48, p. 87]. Iron was detected in 6105-GW05 (1,700 µg/L) and in its environmental duplicate sample, 6105-GW08 (2,000 µg/L) [Ref. 48, pp. 94, 96].

PART IV: HAZARD ASSESSMENT

GROUNDWATER MIGRATION PATHWAY

1. Describe the likelihood of a release of contaminant(s) to the groundwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

A release of on-site contamination to the groundwater pathway is neither observed nor suspected. As discussed in **Part III**, groundwater was encountered at locations 6105-S01 (i.e., Borehole 1) and 6105-S05 (i.e., Borehole 5) during the June 2021 SI sampling event. Region 2 SAT V installed a 1-inch PVC temporary well for groundwater sample collection at each of these two locations. Analytical results for the groundwater samples collected from the temporary wells in support of the SI do not show detections of site-attributable contaminants that meet the criteria for an observed release.

Ref. 24, p. 4, 8, pp. 27–28, 39–40; 40, Figure 5; 47, pp. 222–227, 232–243; 48, pp. 86–87, 93–96.

2. Describe the aquifer of concern; include information such as depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.

The T & J site is located within the Atlantic Coastal Plain physiographic province of NY State, which is characterized by low relief with elevations ranging from sea level to almost 400 feet above mean sea level. The stratigraphy of the province consists of Late Cretaceous- and Pleistocene-age unconsolidated deposits that overlie a southeastward sloping surface of Precambrian crystalline bedrock. The unconsolidated deposits form six distinct hydrogeologic units (four aquifers and two confining layers). The regional hydrogeologic units, in ascending order, are the Lloyd aquifer, Raritan Formation confining unit, Magothy aquifer, Jameco aquifer, Gardiners clay confining unit, and upper glacial aquifer; these units are not all continuous throughout the region.

Based on borings performed at and near the T & J site by Region 2 SAT V, the site is underlain by fill material and the upper glacial aquifer. This aquifer consists of Pleistocene glacial outwash deposits composed mostly of fine to coarse sand and gravel in Kings County, NY. The hydraulic conductivity of these Pleistocene outwash deposits ranges from less than 4.6×10^{-2} centimeters per second (cm/s) to 9.5×10^{-2} cm/s. At the T & J site investigation area, upper glacial units are underlain by the Gardiners clay at an approximate depth of 40 to 120 feet bgs and the Jameco aquifer at an approximate depth of 80 to 140 feet bgs. The Gardiners clay is recognized as a confining unit. It is composed of clay and few sand and silt beds. The hydraulic conductivity of this confining unit is less than 10^{-6} cm/s. The Jameco aquifer lies unconformably beneath the Gardiners clay throughout Kings County, NY. This aquifer consists of fine to coarse sand and gravel and has an estimated hydraulic conductivity of 9.4×10^{-2} cm/s. Based on these considerations, the upper glacial aquifer is the aquifer of

concern at the T & J site; however, there are no known drinking water or resource uses of groundwater in New York City.

The water table surface occurs in the upper glacial aquifer from approximately 4 to 10 feet bgs in Kings County, NY. In general, groundwater flow is to the east and northeast in the Upper Glacial aquifer.

Geologic Unit	Depth (Approximate)	Thickness (Approximate)
Upper glacial aquifer	0 feet	40-120 feet
Gardiners clay	40-120 feet	0-90 feet
Jameco aquifer	80-140 feet	0-100 feet

Ref. 24, pp. 5–9; 27, p. 1; 36, pp. 7–9; 37, pp. 6, 9–10; 38, p. 2; 40, Figure 6.

3. What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?

Analytical results for on-site soil and stormwater samples collected by Region 2 SAT V in June 2021 document on-site contaminated sources (i.e., soil and stormwater). Subsurface soil sample 6105-SS04B (deepest sample collected during the SI sampling event) showed detections of chloroform, TCE, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and anthracene at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect. This sample was collected from 8–9.5 feet bgs.

During the June 2021 sampling event, groundwater was encountered at Borehole 1 and Borehole 5 at depths of 7.55 feet bgs and 7.82 feet bgs, respectively. Therefore, the depth from the lowest point of waste disposal/storage (i.e., the contaminated soil source) to the highest seasonal level of the saturated zone of the shallow aquifer is 0 feet.

Ref. 8, pp. 6–12, 39–40; 20, p. 9; 47, pp. 94, 96.

4. What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the top of the aquifer of concern?

Direct-push soil cores were collected and logged as part of the June 2021 SI sampling event. The predominant types of soil observed were fine to coarse sand and gravel. Gravel represents the least permeable continuous intervening stratum between the ground surface and the top of the aquifer of concern. Gravel is assigned a hydraulic conductivity of 10^{-2} cm/s.

Ref. 8, pp. 32–38; 39, p. 7.

5. What is the net precipitation at the site (inches)?

Net precipitation at the site is greater than 15 to 30 inches.

Ref. 39, pp. 5–6.

6. What is the distance to and depth of the nearest well that is currently used for drinking purposes?

The groundwater in New York City is not used as a drinking water supply. Therefore, the nearest well used for drinking purposes is outside the 4-mile target distance limit (TDL).

Ref. 36, p.5; 38, p. 1; 40, Figure 6.

7. If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be actually contaminated by hazardous substance(s) attributed to an observed release from the site.

A release of on-site contamination to the groundwater pathway is neither observed nor suspected; see the response to Question No. 1 for a description of the likelihood of a release. As discussed in **Part III,** analytical results for groundwater samples collected during the June 2021 SI sampling event did not document an observed release. Additionally, there are no drinking water wells located within 4 miles of the site. The groundwater in New York City is not used as a drinking water supply.

Ref. 36, p.5; 38, p. 1; 40, Figure 6; 47, pp. 222–227, 232–237; 48, pp. 86–87, 93–94.

8. Identify the population served by wells located within 4 miles of the site that draw from the aquifer of concern.

There are no populations served by wells within 4 miles of the site. The groundwater in New York City is not used as a drinking water supply.

Ref. 36, p.5; 38, p. 1; 40, Figure 6.

State whether groundwater is blended with surface water, groundwater, or both before distribution.

The groundwater in the TDL is not used as a drinking water supply. Therefore, there is no groundwater blending or distribution.

Ref. 36, p.5; 38, p. 1; 40, Figure 6.

Is a designated wellhead protection area within 4 miles of the site?

There are no drinking water supply wells and, therefore, no designated wellhead protection areas (WHPA), within 4 miles of the site.

Ref. 40, Figure 6.

Does a waste source overlie a designated or proposed wellhead protection area? If a release to groundwater is observed or suspected, does a designated or proposed wellhead protection area lie within the contaminant boundary of the release?

The groundwater in New York City is not used as a drinking water supply. Therefore, there are no designated or proposed WHPAs within the contaminant boundary of the release.

Ref. 36, p.5; 38, p. 1.

9. Identify one of the following resource uses of groundwater within 4 miles of the site (i.e., commercial livestock watering, ingredient in commercial food preparation, supply for commercial aquaculture, supply for major, or designated water recreation area, excluding drinking water use, irrigation (5-acre minimum) of commercial food or commercial forage crops, unusable).

There are no known resource uses of groundwater within 4 miles of the site.

Ref. 36, pp. 5, 10–14; 40, Figure 6.

SURFACE WATER MIGRATION PATHWAY

10. Describe the likelihood of a release of contaminant(s) to surface water as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

A release to surface water is documented by chemical analysis. The nearest surface water body is Coney Island Creek, located immediately south of the T & J site. The site's shoreline along Coney Island Creek mostly consists of a steep, vegetated embankment, with a concrete block retaining wall evident along the southwestern corner of the property. Most of the site and surrounding area is covered by impermeable surfaces such as concrete pavement. The creek's watershed drainage is dominated by shallow groundwater discharge, CSO and MS4 discharges, and overland flow.

As shown in **Figure 3**, the shortest distance from the documented contaminated soil source (i.e., Source 1) and contaminated stormwater source (i.e., Source 2) to Coney Island Creek are 27.5 feet and 144 feet, respectively. The following site-related PAHs were detected at concentrations greater than 3x the maximum background level, or above the highest background RDL when all background results were non-detect, in a sediment sample

collected immediately south of the T & J site by Region 2 SAT V in April 2021 in support of a Coney Island Creek SI: phenanthrene (810 µg/kg), fluoranthene (1,300 J µg/kg), and benzo(b)fluoranthene (1,100 µg/kg). Iron was detected in a surface water sample collected at the same location. Phenanthrene, fluoranthene, and benzo(b)fluoranthene were detected in on-site soil sample 6105-S06A (1-2.5 feet bgs) at concentrations of 4,700 µg/kg, 9,000 µg/kg, and 4,700 µg/kg, respectively. Iron was detected at three times the maximum background level in soil sample 6105-SS04B (60,000 mg/kg). All four contaminants are considered part of the contaminated soil source due to the history of automobile salvage operations at the site.

Most of the contaminated soil source is covered by concrete that shows moderate to severe staining from on-site salvage operations and is weathered with cracks and other damage in some areas. Historical aerial photos indicate that automobile salvage operations were conducted on exposed soil from 1940 until at least 1966 along the creek bank. Additionally, the current property owner, M.A.A.T.T. LLC, filled and paved over the tidal wetlands adjacent to the creek without the necessary NYSDEC permits.

The site's stormwater runoff is captured by five catch basins located near the center of the site. These catch basins consist of concrete-lined pits. The stormwater captured by the basins evaporates over time and there is no known connection between the catch basins and the creek. During the March 2021 reconnaissance, Region 2 SAT V observed moderate to severe staining on the on-site concrete pavement. Two of the on-site catch basins were observed to be almost full to capacity with stagnant stormwater. A slight sheen was noticeable on the stagnant stormwater. An aqueous sample from one of these catch basins contained VOCs and metals derived from the automobile salvage operations at the site, including iron. Based on the reconnaissance observations and the finite volume of the catch basins, it is possible for the stormwater in the catch basins to overflow to the surrounding areas, including Coney Island Creek, during significant rainfall events. SPDES Notice of Intent forms submitted by T & J to NYSDEC indicate that site stormwater runoff enters the New York City Municipal Separate Stormwater Sewer System (i.e., roadside drains, swales, ditches, culverts, etc.) and discharges into Coney Island Creek.

Based on these considerations, although there are multiple possible sources of PAHs and iron within the watershed, the release of phenanthrene, fluoranthene, benzo(b)fluoranthene, and iron are considered at least partially attributable to the T & J site.

Ref. 3, pp. 12–13; 4, p. 1; 6, pp. 11–14; 8, pp. 4–5, 15, 19–20; 19, p. 1; 20, pp. 1, 5; 31, p. 1; 40, Figures 5 and 7; 54, p. 20; 59, pp. 2, 4, 6.

11. Identify the nearest downslope surface water. If possible, include a description of possible surface drainage patterns from the site.

The nearest downslope surface water is Coney Island Creek, an arm of the New York-New Jersey (NY-NJ) Harbor estuary. The shortest distance from Source 1 to Coney Island Creek is 27.5 feet. Most of the site and surrounding area is covered by impermeable surfaces such as concrete pavement, and the stormwater runoff in the site is captured by catch basins. It is

possible for the stormwater captured by the catch basins to overflow during rainfall events. This would result in the transport of stormwater contaminants to the surrounding areas, including Coney Island Creek.

Coney Island Creek is a tidal inlet that extends for approximately 1.2 miles from the site into Gravesend Bay. The 15-mile TDL extends from that confluence through six bays (Lower New York Bay, Upper New York Bay, Newark Bay, Raritan Bay, Sandy Hook Bay, and Jamaica Bay) and 4 rivers (East River, Hudson River, Kill Van Kull, and Arthur Kill), and terminates in the Atlantic Ocean south of Brooklyn. With the exception of the Atlantic Ocean, the water bodies within the 15-mile TDL are part of the core area of the NY-NJ Harbor estuary, which was designated as an "Estuary of National Significance" by EPA in 1988.

Ref. 8, pp. 4–5, 15, 17, 19–20; 40, Figures 5 and 7; 41, pp. 5, 93.

12. What is the distance in feet to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.

The distances from Source 1 and Source 2 to the nearest downslope surface water (i.e., Coney Island Creek) are approximately 27.5 feet and 144 feet, respectively. Source 1 is covered by an impermeable surface (i.e., concrete pavement) that shows moderate to severe staining from on-site salvage operations and is weathered with cracks and other damage in some areas, thereby making historical drainage pathways to the creek uncertain.

Ref. 8, pp. 15, 17; 40, Figures 5 and 7.

13. Identify all surface water body types within 15 downstream miles.

Most of the water bodies within the TDL are part of the core area of the New York-New Jersey Harbor estuary.

Name	Water Body Type	Flow (cfs)	Salt/Fresh/Brackish
Atlantic Ocean	Moderate depth ocean	N/A	Salt
NY-NJ Harbor Estuary*	Coastal tidal waters	N/A	Salt

*The following New York-New Jersey Harbor estuary water bodies are within the 15-mile TDL: Coney Island Creek, Gravesend Bay, New York Upper Bay, Newark Bay, Raritan Bay, Sandy Hook Bay, Jamaica Bay, East River, Hudson River, Kill Van Kull, and Arthur Kill.

Ref. 39, p. 11; 40, Figure 6 and 7; 41, pp. 5, 93.

14. Determine the 2-yr, 24-hr rainfall (inches) for the site.

The 2-year, 24-hour rainfall for the site location is 3.44 inches.

Ref. 42, p. 1.

15. Determine size of the drainage area (acres) for sources at the site.

Topography in the site area is generally flat with runoff from neighboring properties intercepted by storm drains on adjacent streets. There is no upslope area that can contribute runoff to the site. Therefore, the drainage area for sources at the site is equal to the site area, or 1.79 acres. The contaminated source is currently covered by concrete that routes runoff to the catch basins.

Ref. 8, pp. 4–5, 15, 20; 40, Figure 5.

16. Describe the predominant soil group in the drainage area.

The site and surrounding area are covered predominantly by impermeable surfaces (for example, concrete pavement), which are evaluated under soil group designation D.

Ref. 8, pp. 4–5, 15; 39, p. 9; 43, pp. 10–11.

17. Determine the type of floodplain that the site is located within.

The Federal Emergency Management Agency (FEMA) has designated the northern portion and southern portion of the property to be within Flood Zone X and Flood Zone AE, respectively. Zone X is defined as an area with moderate flood hazard (i.e., 0.2% annual chance of flooding). Zone AE is defined as an area within the base floodplain (i.e., special flood hazard area). The base flood elevation for the southern portion of the property is 10 feet.

Ref. 44, p. 1.

18. Identify drinking water intakes in surface waters within 15 miles downstream of the point of surface water entry. For each intake identify: the name of the surface water body in which the intake is located, the distance in miles from the point of surface water entry, population served, and stream flow at the intake location.

The estuarine waters within the TDL are classified as saline waters that are not used for drinking water supply. There are no drinking water intakes within 15 miles downstream of the site.

Ref. 40, Figure 5.

19. Identify fisheries that exist within 15 miles downstream of the point of surface water entry.

The 15-mile TDL for the site is mostly within the NY-NJ Harbor Estuary, which is used for fishing and is home to more than 100 fish species, including striped bass and bluefish, as well as crabs, clams, mussels, and other invertebrates. Region 2 SAT V personnel observed

fishing for human consumption in the western portion of Coney Island Creek at the Kaiser Park fishing pier. Fishing is also known to occur in other parts of the creek.

Fishery Name	Water Body Type	Flow (cfs)	Salt/Fresh/Brackish
Atlantic Ocean	Moderate depth ocean	N/A	Salt
NY-NJ Harbor Estuary	Coastal tidal waters	N/A	Salt

Ref. 4, pp. 2, 14, 21; 39, p. 11; 40, Figure 7; 41, pp. 99–100; 67, pp. 1–2.

20. Identify surface water sensitive environments that exist within 15 miles of the point of surface water entry.

The following HRS- eligible sensitive environments exist along the 15-mile surface water pathway.

- 7 Federally Endangered/Threatened Species Habitats
- 13 State Endangered/Threatened Species Habitats
- 1 National Seashore Recreation Area (including NY Protected Areas Database)
- 2 State Designated Natural Areas (including NYSDEC Critical Environmental Areas, and NYSDEC Natural Heritage Sites)
- 1 Unique Biotic Community (including the Hudson River Significant Biodiversity Area)

There is a designated estuary subject to actual contamination within the creek segment. There is a total of 35.7 miles of wetland frontage along the water bodies within the TDL subject to potential contamination.

Water Body	Water Body Type	Flow (cfs)	Dilution Weight	Wetlands Frontage (miles)
Upper Bay	Coastal tidal waters	N/A	0.0001	1.8
Lower Bay	Coastal tidal waters	N/A	0.0001	0.2
Jamaica Bay	Coastal tidal waters	N/A	0.0001	27.3
Kill Van Kull	Coastal tidal waters	N/A	0.0001	1.0
Newark Bay	Coastal tidal waters	N/A	0.0001	0.0
Arthur Kill	Coastal tidal waters	N/A	0.0001	1.3
Raritan Bay	Coastal tidal waters	N/A	0.0001	2.8
Sandy Hook Bay	Coastal tidal waters	N/A	0.0001	1.3
			Total	35.7

Ref. 40, Figure 7; 41, pp. 1–5, 8, 9, 15, 36, 39, 43, 45, 47, 50, 53, 55, 58, 61, 64–66, 71, 73, 75, 77, 78, 83, 86, 89; 59, pp. 1–2, 6.

21. If a release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from question Nos. 18-20 that are or may be actually contaminated by hazardous substance(s) attributed to an observed release of from the site.

A release to surface water is documented by chemical analysis; see the response to Question No. 10 for a description of the likelihood of a release. The release documented at T & J results in actual contamination of the NY-NJ Harbor Estuary, which is a sensitive environment identified under the National Estuary Program that encompasses all of Coney Island Creek. There is a downstream fishery at Kaiser Park that is subject to potential contamination.

Ref. 4, pp. 2, 14, 21; 40, Figure 7; 41, pp. 99–100.

22. Identify whether the surface water is used for any of the following purposes, such as: irrigation (5 acre minimum) of commercial food or commercial forage crops, watering of commercial livestock, commercial food preparation, recreation, potential drinking water supply.

Surface water within 15 miles of the site is used for primary (swimming and baptisms) and secondary (recreational fishing and boating) contact recreation.

Ref. 41, pp. 103, 120, 126–127; 17, pp. 2–3; 45, p. 2.

SOIL EXPOSURE AND SUBSURFACE INTRUSION PATHWAY

23. Determine the number of people that occupy residences or attend school or day care on or within 200 feet of observed contamination.

Analytical results for soil samples collected by Region 2 SAT V during the June 2021 SI sampling event document the presence of a contaminated soil source at the site; however, the source is completely covered by concrete and is therefore not evaluated as an area of observed soil contamination (AOC). The T & J site consists of an automobile salvage operation. There are no residences, schools, or day care facilities on or within 200 feet of the site. Most of the property is paved with concrete, with narrow strips of vegetated land in some areas. The property is surrounded by other commercial and industrial facilities and is bounded by fencing to the west, north and east, and by Coney Island Creek to the south. Access to the site is through a single manually-operated gate located along Stillwell Avenue.

Ref. 4, p. 1; 40, Figure 5.

24. Determine the number of people that regularly work on or within 200 feet of observed contamination.

T & J Auto Salvage operates in the northern portion of the subject property. There are fewer than five full-time T & J employees. The southern portion of the property, leased by Stillwell

Ready-Mix and Building Materials, is used for the storage of concrete mixing trucks and large-diameter concrete piping. As employee presence is intermittent, the number of workers is unknown but is assumed to be at least one for the purposes of this report. As the contaminated soil source is covered by an impervious surface, there is no AOC at the site and no exposure by site workers.

Ref. 8, pp. 1, 5; 40, Figure 5.

25. Identify terrestrial sensitive environments on or within 200 feet of observed contamination.

The site location is in a long-urbanized area. Current land use within the area is mostly commercial and industrial facilities. Based on these considerations, there are no terrestrial sensitive environments on or within 200 feet of the site.

Ref. 4, p. 1; 40, Figure 5.

26. Identify whether there are any of the following resource uses, such as commercial agriculture, silviculture, livestock production or grazing within an area of observed or suspected soil contamination.

The site is an active salvage yard located is in a long-urbanized area. Current land use within the area is mostly commercial and industrial facilities. There is no resource use of soil on the site.

Ref. 8, pp. 15–21; 40, Figure 5.

27. Is there an area of subsurface contamination (ASC) that could have an impact on regularly occupied structures via subsurface intrusion?

Analytical results for subsurface soil samples collected in June 2021 document the presence of the following VOCs (maximum concentrations): chloroform (45 J- µg/kg), cyclohexane (140 [14] J+ µg/kg), trichloroethene (25 µg/kg), methylcyclohexane (8,200 µg/kg), m,p-xylene (16 µg/kg), isopropylbenzene (11,000 µg/kg), 1,2,4-trimethylbenzene (11,000 µg/kg), and 1,3,5-trimethylbenzene (14 µg/kg). These VOCs were detected at three out of the seven on-site sample locations (Boreholes 2, 4, and 7) at depths ranging from 0 to 9.5 feet bgs. The results suggest that an area of subsurface contamination (ASC) may be present; however, an ASC was not delineated and subsurface intrusion has not been evaluated. Based on these considerations, subsurface intrusion is a possible pathway of concern but is not documented as such.

Ref. 24, pp. 2–4; 40, Figure 5; 47, pp. 50, 58, 84, 90, 96, 196.

28. Describe the likelihood of exposure to contaminant(s) in the subsurface intrusion component as follows: observed exposure, suspected exposure, potential exposure, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed exposure, define the supporting direct observation or analytical evidence and the relationship to background.

There is no known or suspected exposure in the subsurface intrusion component. The 2021 SI sampling results indicate the presence of VOCs in the subsurface; the SI did not include soil gas or indoor air sampling; therefore, it is not known if the ASC would extend beneath the office building, which is the only regularly occupied structure.

Ref. 24, pp. 2–4; 40, Figure 5.

29. Identify the number of individuals residing in or attending school or day care in regularly occupied structures within documented areas of observed exposure (AOE). Also identify the number of individuals residing in or attending school or day care in regularly occupied structures within the ASC but outside the documented AOE(s).

There are no known AOEs associated with the site, and there are no residences, schools, or day care centers where subsurface contamination is documented. Therefore, there are no individuals residing in or attending school or day care in regularly occupied structures within documented ASCs or AOEs.

Ref. 40, Figure 5.

30. Identify the number of full-time workers and the number of part-time workers in regularly occupied structures within the documented AOE(s). Also identify the number of full-time workers and the number of part-time workers in regularly occupied structures within the ASC but outside the documented AOE(s).

There are no known AOEs associated with the site, and the on-site buildings are not known to be within the documented ASC. Therefore, there are no full-time or part-time workers in regularly occupied structures within documented AOEs or ASCs.

Ref. 40, Figure 5.

31. Is there resource use of regularly occupied establishments (e.g., library, church, tribal facility) within either an AOE or an ASC?

There are no known AOEs associated with the site, and there are no libraries, churches, or tribal facilities where subsurface contamination is documented. Therefore, there are no resource uses of regularly occupied structures within documented ASCs or AOEs.

Ref. 8, pp. 5, 15–21; 40, Figure 5.

AIR MIGRATION PATHWAY

32. Describe the likelihood of release of hazardous substances to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

A release to air is neither observed nor suspected. The T & J subject property has been utilized for automobile salvage activities since at least 1940. There are no active emissions of CERCLA-eligible hazardous substances reported at the site.

During the June 2021 SI sampling event, Region 2 SAT V conducted air monitoring and screening of soil cores with a PID. There were PID readings above background in surface soil at Borehole 2 (maximum concentration 23 ppm), Borehole 3 (5.6 ppm), and Borehole 4 (31.6 ppm); however, there were no readings above background in ambient air. The SVOC dimethylphthalate was detected greater than 3x the maximum background level in surface soil sample 6105-S02. The VOCs m,p-xylene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene; and the SVOC 2-methylnaphthalene were detected above the highest background RDLs (all background results were non-detect) in surface soil sample 6105-S04. Both Borehole 2 and Borehole 4 are in an area covered by concrete. Based on these considerations, the current potential for gaseous and particulate (i.e., contaminated fugitive dust) air release from the contaminated soil source is unlikely. Historical releases may have occurred as the site operated on exposed soil until from 1940 to 1966.

Ref. 5, pp. 35–36; 6, pp. 14–15; 7, p. 5; 8, p. 24; 24, pp. 5–6; 40, Figure 5.

33. Determine populations that reside within 4 miles of the site.

The total population residing within 4 miles of the site is 830,707, as follows:

Distance Ring (mi)	Population
On-site	0
>0 - ¼	1,315
>¼ - ½	13,218
>½ - 1	69,167
>1 - 2	208,197
>2 - 3	225,308
>3 - 4	313,008
Total	830,707

Ref. 46, p. 1.

34. Identify sensitive environments, including wetlands and associated wetlands acreage, within 4 miles of the site.

Distance (miles)	Wetlands Acreage	Sensitive Environments
On-site	0	None identified
0–¼	0	NJ-NY Harbor Estuary
¼–½	0	None identified
>½–1	0	None identified
>1–2	0	NYSDEC Critical Environmental Area
>2–3	7.5	Gateway National Recreation Area NYSDEC-designated Natural Heritage Site Hudson River Significant Biodiversity Area
>3 – 4	51.0	4 Federal-listed endangered/threated species habitats 8 State-listed endangered/threatened species habitats
Total Acreage	58.5	

Ref. 40, Figure 6; 41, p. 3.

35. If a release to air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination from the release.

See the response to Question No. 32 for a description of the likelihood of a release.

36. If a release to air is observed or suspected, identify any sensitive environments, listed in question No. 34, that are or may be located within the area of air contamination from the release.

See the response to Question No. 32 for a description of the likelihood of a release.

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February 14, 2023

Mr. Michael Sollecito
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Re: Limited Subsurface (Phase II) Investigation
Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
BCP Site No. C224362

Dear Mr. Sollecito:

On behalf of 2647 Stillwell Avenue Property LLC, AKRF, Inc. (AKRF) is pleased to submit the attached Limited Subsurface (Phase II) Investigation Report to the New York State Department of Environmental Conservation (NYSDEC) in connection with the T&J Salvage property located at 2647 Stillwell Avenue in Brooklyn, New York (the Site). The Site is also identified as New York City Tax Block 7247, Lots 200, 203, 205, 206, 211, and 213.

AKRF submitted a Brownfield Cleanup Program (BCP) application for the Site to NYSDEC in October 2022. On January 19, 2023, we were advised that the BCP eligibility committee determined that Lots 206 and 213 were eligible for entry into the program, but that there was not sufficient data provided concerning the remainder of lots comprising the Site (Lots 200, 203, 205, and 211) to be considered eligible at this time. Since it is a material term of the Volunteer's transaction to acquire the Site that the entire Site be considered for eligibility, AKRF conducted additional environmental testing on New York City Tax Block 7247, Lots 200, 203, 205, and 211 to supplement the prior application and to support an eligibility determination by NYSDEC to include all six tax parcels that comprise the Site in a Brownfield Cleanup Agreement (BCA).

Based on the field observations and chemical data from this investigation, the soil on Lots 200, 203, 205, and 211 contain petroleum-related polycyclic aromatic hydrocarbons (PAHs) and select metals above the NYSDEC's Part 375 Commercial Soil Cleanup Objectives (CSCOs). Additionally, the soil on Lot 211 contains the volatile organic compound (VOC) 1,2,4-trimethylbenzene above the CSCO. Furthermore, the groundwater sampling results from two lots (Lots 200 and 203) indicate exceedances of NYSDEC Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs) for petroleum-related VOCS: four petroleum-related VOCs are present above AWQSGVs beneath Lot 203 and one on Lot 200. Finally, the results for soil vapor samples from three lots (Lots 200, 205, and 211) indicate the presence of petroleum-related VOCs beneath the Site.

Based on the results of this investigation, the data supports the conclusion that all six tax lots comprising the Site contain contamination above the CSCOs. AKRF respectfully requests that the Site be placed on the agenda for the eligibility meeting on February 23, 2023, and we respectfully request that NYSDEC include all six tax parcels in a BCA with 2647 Stillwell Avenue Property LLC.

If you have any question or need additional details, please call me at (631) 574-3724.

Sincerely,
AKRF, Inc.

Stephen Malinowski, QEP
Senior Vice President

Enc.

Limited Subsurface Investigation Block 7247, Lots, 200, 203, 205, and 211

cc: R. Nelson / 2647 Stillwell Avenue Property LLC
S. Furman and M. Holden / Sive, Paget, Riesel, P.C.
A. Bosco and J. Sulich /AKRF

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February 14, 2023

2647 Stillwell Avenue Property LLC
% Ryan Nelson
4 Bryant Park, Suite 200
New York, NY 10018

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7020

Re: 2647 Stillwell Avenue, Brooklyn, NY
Limited Subsurface (Phase II) Investigation

Dear Mr. Nelson:

AKRF, Inc. (AKRF) conducted a Limited Subsurface (Phase II) Investigation on behalf of 2647 Stillwell Avenue Property LLC at the property located at 2647 Stillwell Avenue in Brooklyn, NY (the "Site"). The Site is also identified as New York City Tax Block 7247, Lots 200, 203, 205, 206, 211, and 213.

Currently, the approximately 1.87-acre Site consists of a concrete-paved auto salvage yard with numerous metal storage containers utilized for parts storage and an office, operated by T&J Auto Salvage. The southern and southeastern portions of the Site are operated by Stillwell Ready-Mix and Building Materials, LLC, a concrete and building material supply company that utilizes the Site for material storage and vehicle parking. The Site is bounded to the north by an easement area associated with the Belt Parkway, followed by the Belt Parkway (a.k.a. Shore Parkway), followed by parking lots; to the east by the Metropolitan Transit Authority (MTA) D, F, N, and Q train lines, followed by vacant land and MTA's Coney Island Yard; to the south by Coney Island Creek; and to the west by Stillwell Avenue, followed by Coney Island Creek. A Site location map is provided as Figure 1.

Based on an email dated January 19, 2023 from Ms. Jennifer Andaloro, the New York State Department of Environmental Conservation (NYSDEC) determined that Lots 206 and 213 were eligible for entry into the Brownfield Cleanup Program (BCP), but that there was not sufficient data provided concerning the remainder of lots comprising the Site (Lots 200, 203, 205 and 211) to be considered eligible at this time. Therefore, AKRF conducted this Limited Subsurface (Phase II) Investigation to collect soil, groundwater, and soil vapor samples on Lots 200, 203, 205, and 211 to provide additional data to support an eligibility determination by NYSDEC and include all six tax lots in a forthcoming Brownfield Cleanup Agreement (Lots 200, 203, 205, 206, 211, and 213). This data will be used to supplement the October 2022 BCP Application.

The investigation was conducted on February 1 and 2, 2023 and included the following scope of work:

1. A geophysical survey to search for unknown underground storage tanks (USTs), sanitary or stormwater drainage structures, and to identify potential utilities near proposed boring locations;
2. Advancement of 8 soil borings with the collection and laboratory analysis of 20 soil samples to evaluate soil quality;
3. Installation of 4 two-inch diameter permanent groundwater monitoring wells with the collection and laboratory analysis of 4 groundwater samples to evaluate groundwater quality; and
4. Installation of 3 temporary soil vapor probes with the collection and laboratory analysis of 3 soil vapor samples.

A Remedial Investigation Work Plan (RIWP) that included additional soil, groundwater, and soil vapor sampling was submitted to NYSDEC concurrently with the BCP Application. If NYSDEC accepts all Lots that comprise the Site into the Brownfield Cleanup Program (BCP), the RIWP will be updated prior to implementation, and the findings from this Limited Subsurface (Phase II) Investigation and the forthcoming Remedial Investigation (RI) will be included in a Remedial Investigation Report (RIR). The locations of the Phase II soil borings, monitoring wells, and soil vapor points are shown on Figure 2.

Geology and Hydrogeology

Soil beneath the Site consisted of fill material (sand, gravel, silt, rock, concrete, brick, organics, wood, ash, metal, glass, rubber, fabric, and paper) between just below surface grade down to approximately 10 to 12 feet below ground surface. The fill material was underlain by apparent native soil (sand, clay, peat, and silt) to 15 feet below ground surface (the maximum boring terminus). Elevated PID readings and petroleum-like odors were observed in soil borings SB-07 (slight petroleum-like odors), SB-08 (maximum of 40 ppm), SB-09 (maximum of 60 ppm), SB-12 (slight sheen and maximum of 140 ppm), SB-13 (maximum of 8 ppm), and SB-14 (maximum of 300 ppm)

Groundwater was encountered between approximately 7 and 10 feet below ground surface in the monitoring wells.

Soil Boring Advancement and Sampling

On February 1, 2023, eight soil borings (SB-07 through SB-14) were advanced at the Site by Eastern Environmental Solutions, Inc. (Eastern) of Manorville, New York using a RotoSonic™ drill rig. Soil samples were collected in 5-foot long, 4-inch diameter, stainless steel samplers and extruded into plastic sampling sleeves. Soil cores were field-screened using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp and logged using the modified Burmister soil classification system. The PID was calibrated at the beginning of the field day with isobutylene gas in accordance with the manufacturer's specifications. At each boring location, AKRF field personnel recorded and documented subsurface conditions. All sampling equipment was either dedicated or decontaminated between sampling locations.

At each boring location, one soil sample was collected from the 2-foot interval directly below existing pavement and a second sample was collected from the 2-foot interval immediately above the groundwater table [encountered between 8 and 11 feet below ground surface (bgs) in the soil borings]. Due to field-related evidence of contamination (elevated PID readings, petroleum like odors, or slight sheen) in soil borings SB-07, SB-09, SB-12, and SB-14, a third sample was collected from 9 to 11 feet bgs, 3 to 5 feet bgs, 2 to 4 feet bgs, and 2 to 4 feet bgs, respectively. Soil boring logs are provided in Attachment A.

Soil cuttings that were observed to be contaminated were containerized in a properly labeled Department of Transportation (DOT) approved 55-gallon drum for future off-site disposal. All boreholes were backfilled with the remaining soil cuttings followed by bentonite chips (hydrated) and capped with concrete or asphalt to match the existing grade. Disposable sampling equipment, including spoons, gloves, bags,

paper towels, etc. that came in contact with environmental media were double bagged and disposed of as municipal trash in a facility trash dumpster as non-hazardous refuse.

Soil samples slated for laboratory analysis were labeled and placed in laboratory-supplied containers and shipped to the laboratory via courier with appropriate chain of custody documentation in accordance with appropriate United States Environmental Protection Agency (EPA) protocols. The samples were analyzed by Eurofins TestAmerica, a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP)-certified laboratory, for volatile organic compounds (VOCs) by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, and the target analyte list (TAL) of metals by EPA Method 6000/7000 series. One trip blank was submitted with the soil samples for Quality Assurance/Quality Control (QA/QC) purposes and analyzed for VOCs only. All results were reported using Category B deliverables and laboratory data deliverables are provided in Attachment D.

Soil sample analytical results were compared to the NYSDEC 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Soil Cleanup Objectives (CSCOs), which is the applicable Soil Cleanup Objectives (SCOs) based on the proposed future use of the Site. Soil analytical results are summarized in Tables 1 through 3 and exceedances of the CSCOs are shown on Figure 3.

Monitoring Well Installation and Sampling

On February 1, 2023, four 2-inch-diameter permanent groundwater monitoring wells (MW-07 through MW-10) were installed by Eastern using a RotoSonic™ drill rig at the locations shown on Figure 2. All groundwater monitoring wells were constructed with 10 feet of 0.020-inch slotted polyvinyl chloride (PVC) well screen installed approximately 5 feet into the observed water table. A No. 02 morie sand pack was installed around the well screens, followed by two feet of hydrated bentonite. Non-shrinking cement grout was installed to surface grade. Each of the wells were finished with a locking j-plug, locking flush-mounted protective well cover, and concrete pad. Well construction logs are provided in Attachment A.

Following installation, each well was developed via pumping and surging with a whale pump to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer. Development water was monitored with a Horiba U-52 water quality meter during development. The goal of well development was to reduce turbidity within the well until less than 50 nephelometric turbidity units (NTUs) for three successive readings, and until water quality indicators [pH, temperature, oxidation reduction potential (ORP), dissolved oxygen, and specific conductivity] stabilized to within 10% for three successive readings.

The new groundwater wells were sampled on February 2, 2023. Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. Free phase product was not detected in the groundwater monitoring wells during installation, purging, or sampling. Purging of the wells continued with a peristaltic pump affixed with dedicated tubing until at least three well volumes were removed, groundwater was visibly clear, and water quality indicators stabilized. All purged groundwater was containerized in DOT-approved 55-gallon drums for off-site disposal. Groundwater samples slated for laboratory analysis were labeled and placed in laboratory-supplied containers and shipped to the laboratory via courier with appropriate chain of custody documentation in accordance with appropriate EPA protocols. The samples were analyzed by Eurofins TestAmerica for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270 using Category B deliverables. Laboratory data deliverables are provided in Attachment D. Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs). Groundwater analytical results are summarized in Tables 4 and 5 and exceedances of the AWQSGVs are shown on Figure 4. Groundwater sampling logs are provided in Attachment B.

Soil Vapor Point Installation

On February 1, 2023, three temporary soil vapor points (SV-07, SV-09, and SV-10) were installed to the targeted depth of 5 feet below ground surface using a RotoSonic™ drill rig at the locations shown on Figure 2. An additional temporary soil vapor point, SV-08, was attempted to be installed; however, the presence of apparent perched groundwater in the sample location rendered the vapor point unusable and no sample was analyzed. All soil vapor points were installed by advancing a 4-inch diameter borehole and manually installing a six-inch long stainless-steel implant connected to Teflon™-lined polyethylene tubing. The borehole was then backfilled with clean silica sand to approximately six inches above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

Soil vapor samples were collected on February 1 and 2, 2023. Prior to sample collection, each temporary soil vapor sampling point was purged of three sample volumes using a GilAir Plus sampling pump at a flow rate of 0.2 liter per minute. During purging, a shroud was placed over each sampling point and helium gas was introduced through a small hole in the shroud to saturate the atmosphere around the sample port with helium gas. Purged vapors were collected in a Tedlar® bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points passed the seal integrity tests. PID readings ranged from 2.4 parts per million (ppm) at SV-07 to 4.2 ppm at SV-10. Soil vapor sampling logs are provided in Attachment C.

After purging, each probe was connected via Teflon™-lined polyethylene tubing to a laboratory-supplied 6-Liter SUMMA® canister equipped with a flow regulator set to collect a sample over a two-hour sampling period. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (inches of mercury) was noted. After approximately two hours, the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory.

Soil vapor samples slated for laboratory analysis were labeled and collected in laboratory-supplied 6-Liter SUMMA® canisters and shipped to the laboratory via courier with appropriate chain of custody documentation in accordance with appropriate EPA protocols. The samples were analyzed by Eurofins TestAmerica for VOCs by EPA Method TO-15 using Category B deliverables. Laboratory data deliverables are provided in Attachment D.

Although there are currently no regulatory or published guidance values for VOCs in soil vapor, soil vapor data was used to assess the potential for exposure to receptors and to help define the nature and extent of contamination at the Site. Soil vapor analytical results are presented in Table 6. All soil vapor detections are shown on Figure 5.

Analytical Results

Soil

- VOCs were detected in 19 of the 20 soil samples and in all four lots (Lots 200, 203, 205, and 211). One VOC, 1,2,4-trimethylbenzene, was detected at concentrations up to 370 milligrams per kilogram (mg/kg) in sample SB-14_2-4_20230201, above its respective CSCO.
- SVOCs were detected in all 20 of the soil samples. The SVOCs benzo(a)anthracene (maximum of 55 mg/kg), benzo(a)pyrene (maximum of 55 mg/kg), benzo(b)fluoranthene (maximum of 69 mg/kg), dibenz(a,h)anthracene (maximum of 8 mg/kg), and indeno(1,2,3-cd)pyrene (maximum of 37 mg/kg) were detected at concentrations above their respective CSCOs. SVOC exceedances of the CSCOs were detected on each of the four lots.
- Up to 23 of the 23 TAL metals analyzed were detected in all 20 soil samples on all four lots (Lots 200, 203, 205, and 211). Of the detections, arsenic (maximum of 47 mg/kg), barium (maximum of 636 mg/kg), copper (maximum of 363 mg/kg), and lead (maximum of 3,360 mg/kg) were detected at concentrations above their respective CSCOs.

Exceedances of the CSCOs are shown on Figure 3.

Groundwater

- VOCs were detected in all four groundwater samples. The VOCs acetone [maximum of 70 micrograms per liter (µg/L)], benzene (maximum of 11 µg/L), chloroform (maximum of 7.6 µg/L), m,p-xylenes (maximum of 12 µg/L), and methyl ethyl ketone (MEK) (maximum of 65 µg/L) on two lots (Lots 200 and 203) were detected at concentrations above their respective AWQSGVs.
- SVOCs were detected in all four of the groundwater samples. The SVOCs 1,4-dioxane, 2-methylnapthalene, 4-methylphenol, naphthalene, and phenol were detected at concentrations up to 2.4 µg/L. No SVOCs were detected at concentrations above their respective AWQSGVs.

Exceedances of the AWQSGVs are shown on Figure 4.

Soil Vapor

Twenty-three of the 63 VOCs analyzed for were detected in the soil vapor samples collected from Lots 200, 205, and 211. Petroleum-related VOCs [including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-butadiene, 4-ethyltoluene, benzene, cyclohexane, ethylbenzene, m,p-xylenes, methyl ethyl ketone (MEK), n-heptane, n-hexane, o-xylene, styrene, and toluene] were detected in the soil vapor samples at individual concentrations up to 9,700 micrograms per cubic meter (µg/m^3) from a diluted analysis (n-hexane in sample SV-09_20230201 on Lot 205). Other VOCs, including compounds typically associated with solvents [such as acetone, carbon disulfide, chlorobenzene, chloroform, dichlorodifluoromethane, isopropanol, tetrachloroethylene (PCE), trichloroethylene (TCE), and trichlorofluoromethane] were detected in the soil vapor samples at individual concentrations up to 200 µg/m^3 from a diluted analysis (acetone in sample SV-09_20230201 on Lot 205).

Benzene was detected in all three soil vapor samples at concentrations ranging from 6.3 µg/m^3 from a diluted analysis in sample SV-07_20230201 to 580 µg/m^3 from a diluted analysis in sample SV-09_20230201. Cyclohexane was detected in all three soil vapor samples at concentrations ranging from 22 µg/m^3 from a diluted analysis in sample SV-07_20230201 to 3,900 µg/m^3 from a diluted analysis in sample SV-09_20230201. N-heptane was detected in all three soil vapor samples at concentrations ranging from 61 µg/m^3 from a diluted analysis in sample SV-07_20230201 to 2,400 µg/m^3 from a diluted analysis in sample SV-09_20230201. N-hexane was detected in all three soil vapor samples at concentrations ranging from 110 µg/m^3 from a diluted analysis in sample SV-07_20230201 to 9,700 µg/m^3 from a diluted analysis in sample SV-09_20230201.

Based on the field observations and chemical data from this investigation, the soil, groundwater, and soil vapor laboratory results display evidence of contamination associated with the Site's current and historical automotive salvage operations. The identified contamination may be indicative of a reportable spill case to NYSDEC; therefore, AKRF recommends that the nature and extent of the on-site contamination be further delineated under the BCP.

Please call me at (631) 574-3724 if you have any questions or comments.

Sincerely,
AKRF, Inc.

Stephen Malinowski, QEP
Senior Vice President

Adrianna Bosco, QEP
Technical Director

Attached:

Tables 1 through 6 – Limited Phase II Analytical Results

Figure 1 – Site Location
Figure 2 – Sample Location Plan
Figure 3 – Soil Sample Concentrations Above NYSDEC UUSCOs and CSCOs
Figure 4 – Groundwater Sample Concentrations Above NYSDEC AWQSGVs
Figure 5 – Soil Vapor Sample Detections

Attachment A – Soil Boring Logs and Groundwater Monitoring Well Construction Logs
Attachment B – Groundwater Sampling Logs
Attachment C – Soil Vapor Sampling Logs
Attachment D – Laboratory Data Deliverables

TABLES

Table 1
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-07_0-2_20230201	SB-07_7-9_20230201	SB-07_9-11_20230201	SB-08_0-2_20230201	SB-08_6-8_20230201
		Laboratory Sample ID	460-273899-1	460-273899-3	460-273899-2	460-273899-9	460-273899-10
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	1	1	50	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	500	0.68	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,1-Dichloroethane	240	0.27	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,1-Dichloroethene	500	0.33	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2,4-Trimethylbenzene	**190**	3.6	0.0011 U	0.0012 U	0.0012 U	2.7	0.0027
1,2-Dibromo-3-Chloropropane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2-Dichlorobenzene	500	1.1	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2-Dichloroethane	30	0.02	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4	0.0011 U	0.0012 U	0.0012 U	1.2	0.0013
1,3-Dichlorobenzene	280	2.4	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
1,4-Dichlorobenzene	130	1.8	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0013
2-Hexanone	NS	NS	0.0055 U	0.0062 U	0.0062 U	0.61 U	0.0054 U
Acetone	500	0.05	0.057	0.069	0.019	0.61 UT	0.04
Benzene	44	0.06	0.0011 U	0.0012 U	0.0012 U	0.83	0.0008 J
Bromochloromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 UT	0.0011 U
Bromodichloromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Bromoform	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Bromomethane	NS	NS	0.0022 U	0.0025 U	0.0025 U	0.12 U	0.0022 U
Carbon Disulfide	NS	NS	0.0011 U	0.0012 U	0.0017	0.12 U	0.0012
Carbon Tetrachloride	22	0.76	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Chlorobenzene	500	1.1	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Chloroethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Chloroform	350	0.37	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Chloromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 UT	0.0011 U
Cis-1,2-Dichloroethylene	500	0.25	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Cyclohexane	NS	NS	0.0011 U	0.0012 U	0.0012 U	3.1	0.0014
Dibromochloromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Dichlorodifluoromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Ethylbenzene	390	1	0.0011 U	0.0012 U	0.0012 U	0.46	0.00039 J
Isopropylbenzene (Cumene)	NS	NS	0.0011	0.0012 U	0.0012 U	0.14	0.0011 U
M,P-Xylenes	NS	NS	0.00044 J	0.0012 U	0.0012 U	5.7	0.0026
Methyl Acetate	NS	NS	0.0055 U	0.0062 U	0.0062 U	0.61 U	0.0054 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	0.012	0.0047 J	0.0062 U	0.61 U	0.0061
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0055 U	0.0062 U	0.0062 U	0.61 U	0.0054 U
Methylcyclohexane	NS	NS	0.0011 U	0.0012 U	0.0012 U	4.5	0.0018
Methylene Chloride	500	0.05	0.0022 U	0.0025 U	0.0025 U	0.12 U	0.0022 U
N-Butylbenzene	500	12	0.0022	0.0012 U	0.0012 U	0.12 U	0.0011 U
N-Propylbenzene	500	3.9	0.00098 J	0.0012 U	0.0012 U	0.27	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.59	0.0011 U
Sec-Butylbenzene	500	11	0.0018	0.0012 U	0.0012 U	0.058 J	0.0011 U
Styrene	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
T-Butylbenzene	500	5.9	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Tert-Butyl Methyl Ether	500	0.93	0.0011 U	0.0012 U	0.00083 J	0.12 U	0.0039
Tetrachloroethylene (PCE)	150	1.3	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Toluene	500	0.7	0.00064 J	0.0012 U	0.0012 U	0.18	0.00042 J
Trans-1,2-Dichloroethene	500	0.19	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Trichloroethylene (TCE)	200	0.47	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Vinyl Chloride	13	0.02	0.0011 U	0.0012 U	0.0012 U	0.12 U	0.0011 U
Xylenes, Total	500	0.26	0.00044 J	0.0025 U	0.0025 U	6.3	0.0026

Table 1
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-09_0-2_20230201	SB-09_3-5_20230201	SB-09_7-9_20230201	SB-10_0-2_20230201	SB-10_8-10_20230201
		Laboratory Sample ID	460-273899-4	460-273899-5	460-273899-6	460-273899-16	460-273899-17
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	500	0.68	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,1-Dichloroethane	240	0.27	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,1-Dichloroethene	500	0.33	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2,4-Trimethylbenzene	**190**	3.6	0.008	0.00089 J	0.0012 U	0.0012 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dichlorobenzene	500	1.1	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dichloroethane	30	0.02	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dichloropropane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4	0.0043	0.00041 J	0.0012 U	0.0012 U	0.0014 U
1,3-Dichlorobenzene	280	2.4	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
1,4-Dichlorobenzene	130	1.8	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
2-Hexanone	NS	NS	0.0052 U	0.005 U	0.0058 U	0.0058 U	0.0071 U
Acetone	500	0.05	0.085	0.04	0.16	0.025	0.019
Benzene	44	0.06	0.0027	0.00084 J	0.0012 U	0.0012 U	0.00059 J
Bromochloromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Bromodichloromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Bromoform	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Bromomethane	NS	NS	0.0021 U	0.002 U	0.0023 U	0.0023 U	0.0029 U
Carbon Disulfide	NS	NS	0.0024	0.00089 J	0.0012 U	0.0012 U	0.0014 U
Carbon Tetrachloride	22	0.76	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Chlorobenzene	500	1.1	0.001 U	0.0071	0.0012 U	0.0012 U	0.0014 U
Chloroethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Chloroform	350	0.37	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Chloromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Cis-1,2-Dichloroethylene	500	0.25	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Cyclohexane	NS	NS	0.0033	0.0012	0.0012 U	0.0012 U	0.0014 U
Dibromochloromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Dichlorodifluoromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Ethylbenzene	390	1	0.0011	0.00099 U	0.0011 J	0.0012 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	0.0077	0.0013	0.0012 U	0.0012 U	0.0014 U
M,P-Xylenes	NS	NS	0.011	0.0017	0.0012 U	0.0012 U	0.00057 J
Methyl Acetate	NS	NS	0.0052 U	0.005 U	0.0058 U	0.0058 U	0.0071 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	0.0041 J	0.005 U	0.028	0.0058 U	0.0071 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0052 U	0.005 U	0.0058 U	0.0058 U	0.0071 U
Methylcyclohexane	NS	NS	0.0052	0.0049	0.0012 U	0.0012 U	0.001 J
Methylene Chloride	500	0.05	0.0021 U	0.002 U	0.0023 U	0.0023 U	0.0029 U
N-Butylbenzene	500	12	0.00081 J	0.00099 U	0.0012 U	0.0012 U	0.0014 U
N-Propylbenzene	500	3.9	0.0021	0.0012	0.0012 U	0.0012 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0045	0.00069 J	0.0012 U	0.0012 U	0.0014 U
Sec-Butylbenzene	500	11	0.00044 J	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Styrene	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
T-Butylbenzene	500	5.9	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Tert-Butyl Methyl Ether	500	0.93	0.00059 J	0.00099 U	0.0036	0.0012 U	0.0014 U
Tetrachloroethylene (PCE)	150	1.3	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.001 J
Toluene	500	0.7	0.0018	0.00056 J	0.0012 U	0.0012 U	0.00063 J
Trans-1,2-Dichloroethene	500	0.19	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Trichloroethylene (TCE)	200	0.47	0.00069 J	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Trichlorofluoromethane	NS	NS	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Vinyl Chloride	13	0.02	0.001 U	0.00099 U	0.0012 U	0.0012 U	0.0014 U
Xylenes, Total	500	0.26	0.016	0.0024	0.0023 U	0.0023 U	0.00057 J

Table 1
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-11_0-2_20230201	SB-11_8-10_20230201	SB-12_0-2_20230201	SB-12_2-4_20230201	SB-12_7-9_20230201
		Laboratory Sample ID	460-273899-14	460-273899-15	460-273899-11	460-273899-13	460-273899-12
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	1	1	200	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	500	0.68	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,1-Dichloroethane	240	0.27	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,1-Dichloroethene	500	0.33	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2,4-Trimethylbenzene	**190**	3.6	0.00047 J	0.0011 U	0.0035	85	0.0032
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2-Dichlorobenzene	500	1.1	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.002
1,2-Dichloroethane	30	0.02	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 UT	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4	0.0012 U	0.0011 U	0.0093	19	0.002
1,3-Dichlorobenzene	280	2.4	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
1,4-Dichlorobenzene	130	1.8	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
2-Hexanone	NS	NS	0.0058 U	0.0055 U	0.0081 U	2.3 U	0.0061 U
Acetone	500	0.05	0.007 U	0.0066 U	0.03	2.3 U	0.19
Benzene	44	0.06	0.0012 U	0.0011 U	0.0013 J	1.7	0.00059 J
Bromochloromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Bromodichloromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Bromoform	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Bromomethane	NS	NS	0.0023 U	0.0022 U	0.0032 U	0.46 U	0.0024 U
Carbon Disulfide	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0021
Carbon Tetrachloride	22	0.76	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Chlorobenzene	500	1.1	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Chloroethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Chloroform	350	0.37	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Chloromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 UT	0.0012 U
Cis-1,2-Dichloroethylene	500	0.25	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Cyclohexane	NS	NS	0.0012 U	0.0011 U	0.0013 J	0.94	0.0043
Dibromochloromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Ethylbenzene	390	1	0.0012 U	0.0011 U	0.0017	7.7	0.00063 J
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.0011 U	0.0016 U	3.8	0.0014
M,P-Xylenes	NS	NS	0.0006 J	0.0011 U	0.0056	52	0.0027
Methyl Acetate	NS	NS	0.0058 U	0.0055 U	0.0081 U	2.3 U	0.0061 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	0.0058 U	0.0055 U	0.0081 U	2.3 U	0.031
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0058 U	0.0055 U	0.0081 U	2.3 U	0.0061 U
Methylcyclohexane	NS	NS	0.0012 U	0.0011 U	0.0017	2.6	0.02
Methylene Chloride	500	0.05	0.0023 U	0.0022 U	0.0032 U	0.46 U	0.0024 U
N-Butylbenzene	500	12	0.0012 U	0.0011 U	0.0016 U	5.7	0.0011 J
N-Propylbenzene	500	3.9	0.0012 U	0.0011 U	0.0016 U	13	0.0015
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0012 U	0.0011 U	0.0023	0.34 J	0.0078
Sec-Butylbenzene	500	11	0.0012 U	0.0011 U	0.0016 U	1.8	0.00062 J
Styrene	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
T-Butylbenzene	500	5.9	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Tert-Butyl Methyl Ether	500	0.93	0.0012 U	0.0011 U	0.0016 U	0.14 J	0.0053
Tetrachloroethylene (PCE)	150	1.3	0.0012 U	0.0011 U	0.0059	0.46 U	0.0012 U
Toluene	500	0.7	0.0012 U	0.0011 U	0.0013 J	0.48	0.0011 J
Trans-1,2-Dichloroethene	500	0.19	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Trichloroethylene (TCE)	200	0.47	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0011 U	0.0016 U	0.46 U	0.0012 U
Vinyl Chloride	13	0.02	0.0012 U	0.0011 U	0.0016 U	0.46 UT	0.0012 U
Xylenes, Total	500	0.26	0.0006 J	0.0022 U	0.0079	52	0.01

Table 1
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-13_0-2_20230201	SB-13_6-8_20230201	SB-14_0-2_20230201	SB-14_2-4_20230201	SB-14_7-9_20230201
		Laboratory Sample ID	460-273899-7	460-273899-8	460-273899-18	460-273899-19	460-273899-20
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	1	250	500	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	500	0.68	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,1-Dichloroethane	240	0.27	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,1-Dichloroethene	500	0.33	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2,4-Trimethylbenzene	**190**	3.6	0.0084	0.0017 U	**240**	**370**	0.0022
1,2-Dibromo-3-Chloropropane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2-Dichlorobenzene	500	1.1	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2-Dichloroethane	30	0.02	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,2-Dichloropropane	NS	NS	0.0014 U	0.0017 U	0.71 UT	1.3 UT	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4	0.0035	0.0017 U	45	100	0.00068 J
1,3-Dichlorobenzene	280	2.4	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
1,4-Dichlorobenzene	130	1.8	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
2-Hexanone	NS	NS	0.0072 U	0.0086 U	3.5 U	6.3 U	0.0068 U
Acetone	500	0.05	0.12	0.2	3.5 U	6.3 U	0.11
Benzene	44	0.06	0.0014 U	0.0017 U	7.1	0.77 J	0.022
Bromochloromethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Bromodichloromethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Bromoform	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Bromomethane	NS	NS	0.0029 U	0.0034 U	0.71 U	1.3 U	0.0027 U
Carbon Disulfide	NS	NS	0.0036	0.0017 U	0.71 U	1.3 U	0.0012 J
Carbon Tetrachloride	22	0.76	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Chlorobenzene	500	1.1	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Chloroethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Chloroform	350	0.37	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Chloromethane	NS	NS	0.0014 U	0.0017 U	0.71 UT	1.3 UT	0.0014 U
Cis-1,2-Dichloroethylene	500	0.25	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Cyclohexane	NS	NS	0.0014 U	0.0017 U	14	2.7	0.0032
Dibromochloromethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Dichlorodifluoromethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Ethylbenzene	390	1	0.0029	0.0017 U	77	78	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	0.00093 J	0.0017 U	12	18	0.0016
M,P-Xylenes	NS	NS	0.0061	0.0017 U	150	300	0.0035
Methyl Acetate	NS	NS	0.0072 U	0.0086 U	3.5 U	6.3 U	0.0068 U
Methyl Ethyl Ketone (2-Butanone)	500	0.12	0.023	0.034	3.5 U	6.3 U	0.019
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0072 U	0.0086 U	3.5 U	6.3 U	0.0068 U
Methylcyclohexane	NS	NS	0.0012 J	0.0017 U	31	13	0.0045
Methylene Chloride	500	0.05	0.0029 U	0.0034 U	0.71 U	1.3 U	0.0027 U
N-Butylbenzene	500	12	0.00067 J	0.0017 U	11	19	0.0014 U
N-Propylbenzene	500	3.9	0.0014	0.0017 U	34	47	0.0017
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0047	0.0017 U	4.3	13	0.00073 J
Sec-Butylbenzene	500	11	0.0014 U	0.0017 U	3.5	5.5	0.0014 U
Styrene	NS	NS	0.0037	0.0017 U	0.71 U	1.3 U	0.0014 U
T-Butylbenzene	500	5.9	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Tert-Butyl Methyl Ether	500	0.93	0.0014 U	0.0038	0.71 U	1.3 U	0.0031
Tetrachloroethylene (PCE)	150	1.3	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Toluene	500	0.7	0.0018	0.0017 U	0.77	0.96 J	0.00075 J
Trans-1,2-Dichloroethene	500	0.19	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Trichloroethylene (TCE)	200	0.47	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Trichlorofluoromethane	NS	NS	0.0014 U	0.0017 U	0.71 U	1.3 U	0.0014 U
Vinyl Chloride	13	0.02	0.0014 U	0.0017 U	0.71 UT	1.3 UT	0.0014 U
Xylenes, Total	500	0.26	0.011	0.0034 U	150	310	0.0042

Table 2
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	SB-07_0-2_20230201	SB-07_7-9_20230201	SB-07_7-9_20230201	SB-07_9-11_20230201	SB-07_9-11_20230201	SB-08_0-2_20230201
			Laboratory Sample ID	460-273899-1	460-273899-3	460-273899-3	460-273899-2	460-273899-2	460-273899-9
			Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
			Dilution Factor	10	1	2	5	25	10
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
1,4-Dioxane (P-Dioxane)	130	0.1		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
2,3,4,6-Tetrachlorophenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2,4,5-Trichlorophenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2,4,6-Trichlorophenol	NS	NS		1.6 U	0.15 U	NR	0.77 U	NR	1.4 U
2,4-Dichlorophenol	NS	NS		1.6 U	0.15 U	NR	0.77 U	NR	1.4 U
2,4-Dimethylphenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2,4-Dinitrophenol	NS	NS		3.1 U	0.29 U	NR	1.5 U	NR	2.9 U
2,4-Dinitrotoluene	NS	NS		0.78 U	0.074 U	NR	0.39 U	NR	0.73 U
2,6-Dinitrotoluene	NS	NS		0.78 U	0.074 U	NR	0.39 U	NR	0.73 U
2-Chloronaphthalene	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2-Chlorophenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2-Methylnaphthalene	NS	NS		0.18 J	0.31 J	NR	6	NR	0.12 J
2-Methylphenol (O-Cresol)	500	0.33		3.8 U	0.37 U	NR	0.1 J	NR	3.6 U
2-Nitroaniline	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
2-Nitrophenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
3- And 4- Methylphenol (Total)	500	NS		3.8 U	0.024 J	NR	0.26 J	NR	3.6 U
3,3'-Dichlorobenzidine	NS	NS		1.6 UT	0.15 UT	NR	0.77 UT	NR	1.4 UT
3-Nitroaniline	NS	NS		3.8 UT	0.37 UT	NR	1.9 UT	NR	3.6 UT
4,6-Dinitro-2-Methylphenol	NS	NS		3.1 U	0.29 U	NR	1.5 U	NR	2.9 U
4-Bromophenyl Phenyl Ether	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
4-Chloro-3-Methylphenol	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
4-Chloroaniline	NS	NS		3.8 UT	0.37 UT	NR	1.9 UT	NR	3.6 UT
4-Chlorophenyl Phenyl Ether	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
4-Methylphenol (P-Cresol)	500	0.33		3.8 U	0.024 J	NR	0.26 J	NR	3.6 U
4-Nitroaniline	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
4-Nitrophenol	NS	NS		7.8 U	0.74 U	NR	3.9 U	NR	7.3 U
Acenaphthene	500	20		3.8 U	0.64	NR	8.5	NR	3.6 U
Acenaphthylene	500	100		0.29 J	0.48	NR	2.4	NR	3.6 U
Acetophenone	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Anthracene	500	100		0.48 J	2.1	NR	19	NR	3.6 U
Atrazine	NS	NS		1.6 U	0.15 U	NR	0.77 U	NR	1.4 U
Benzaldehyde	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Benzo(a)Anthracene	**5.6**	1		0.75	**5.9**	NR	**33**	NR	0.36 U
Benzo(a)Pyrene	**1**	1		0.72	**5.4**	NR	**23**	NR	0.36 U
Benzo(b)Fluoranthene	**5.6**	1		1.6	**6.9**	NR	**33**	NR	0.36 U
Benzo(g,h,i)Perylene	500	100		0.82 J	3.5	NR	9.5	NR	3.6 U
Benzo(k)Fluoranthene	56	0.8		0.55	2.4	NR	12	NR	0.36 U
Benzyl Butyl Phthalate	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Biphenyl (Diphenyl)	NS	NS		3.8 U	0.1 J	NR	1.4 J	NR	3.6 U
Bis(2-Chloroethoxy) Methane	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
Bis(2-Chloroisopropyl) Ether	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Bis(2-Ethylhexyl) Phthalate	NS	NS		2.4 J	0.37 U	NR	1.9 U	NR	1.8 J
Caprolactam	NS	NS		3.8 UT	0.37 UT	NR	1.9 UT	NR	3.6 UT
Carbazole	NS	NS		0.28 J	0.81	NR	10	NR	3.6 U
Chrysene	56	1		1.2 J	5.8	NR	29	NR	3.6 U
Dibenz(a,h)Anthracene	**0.56**	0.33		0.38 U	**0.95**	NR	**3.8**	NR	0.36 U
Dibenzofuran	350	7		3.8 U	0.61	NR	8	NR	3.6 U
Diethyl Phthalate	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Dimethyl Phthalate	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Di-N-Butyl Phthalate	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Di-N-Octylphthalate	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Fluoranthene	500	100		2.1 J	NR	13	NR	81	3.6 U
Fluorene	500	30		0.37 J	1	NR	12	NR	3.6 U
Hexachlorobenzene	6	0.33		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
Hexachlorobutadiene	NS	NS		0.78 U	0.074 U	NR	0.39 U	NR	0.73 U
Hexachlorocyclopentadiene	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Hexachloroethane	NS	NS		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
Indeno(1,2,3-c,d)Pyrene	**5.6**	0.5		0.76	4.4	NR	**15**	NR	0.36 U
Isophorone	NS	NS		1.6 U	0.15 U	NR	0.77 U	NR	1.4 U
Naphthalene	500	12		0.26 J	0.57	NR	12	NR	0.097 J
Nitrobenzene	NS	NS		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
N-Nitrosodi-N-Propylamine	NS	NS		0.38 U	0.037 U	NR	0.19 U	NR	0.36 U
N-Nitrosodiphenylamine	NS	NS		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Pentachlorophenol	6.7	0.8		3.1 U	0.29 U	NR	1.5 U	NR	2.9 U
Phenanthrene	500	100		0.81 J	NR	9.6	NR	90	0.087 J
Phenol	500	0.33		3.8 U	0.37 U	NR	1.9 U	NR	3.6 U
Pyrene	500	100		2.2 J	NR	12	NR	70	0.19 J

Table 2
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	SB-08_6-8_20230201	SB-09_0-2_20230201	SB-09_0-2_20230201	SB-09_3-5_20230201	SB-09_7-9_20230201	SB-10_0-2_20230201
			Laboratory Sample ID	460-273899-10	460-273899-4	460-273899-4	460-273899-5	460-273899-6	460-273899-16
			Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
			Dilution Factor	1	10	20	10	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
1,4-Dioxane (P-Dioxane)	130	0.1		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
2,3,4,6-Tetrachlorophenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2,4,5-Trichlorophenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2,4,6-Trichlorophenol	NS	NS		0.16 U	1.5 U	NR	1.4 U	0.15 U	0.15 U
2,4-Dichlorophenol	NS	NS		0.16 U	1.5 U	NR	1.4 U	0.15 U	0.15 U
2,4-Dimethylphenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2,4-Dinitrophenol	NS	NS		0.31 U	3 U	NR	2.9 U	0.3 U	0.31 U
2,4-Dinitrotoluene	NS	NS		0.079 U	0.75 U	NR	0.72 U	0.076 U	0.078 U
2,6-Dinitrotoluene	NS	NS		0.079 U	0.75 U	NR	0.72 U	0.076 U	0.078 U
2-Chloronaphthalene	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2-Chlorophenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2-Methylnaphthalene	NS	NS		0.033 J	2.5 J	NR	3.5 U	0.044 J	0.38 U
2-Methylphenol (O-Cresol)	500	0.33		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2-Nitroaniline	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
2-Nitrophenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
3- And 4- Methylphenol (Total)	500	NS		0.39 U	3.7 U	NR	3.5 U	0.032 J	0.38 U
3,3'-Dichlorobenzidine	NS	NS		0.16 UT	1.5 UT	NR	1.4 UT	0.15 UT	0.15 UT
3-Nitroaniline	NS	NS		0.39 UT	3.7 UT	NR	3.5 UT	0.37 UT	0.38 UT
4,6-Dinitro-2-Methylphenol	NS	NS		0.31 U	3 U	NR	2.9 U	0.3 U	0.31 U
4-Bromophenyl Phenyl Ether	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
4-Chloro-3-Methylphenol	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
4-Chloroaniline	NS	NS		0.39 UT	3.7 UT	NR	3.5 UT	0.37 UT	0.38 UT
4-Chlorophenyl Phenyl Ether	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
4-Methylphenol (P-Cresol)	500	0.33		0.39 U	3.7 U	NR	3.5 U	0.032 J	0.38 U
4-Nitroaniline	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
4-Nitrophenol	NS	NS		0.79 U	7.5 U	NR	7.2 U	0.76 U	0.78 U
Acenaphthene	500	20		0.037 J	15	NR	3.5 U	0.049 J	0.38 U
Acenaphthylene	500	100		0.03 J	0.4 J	NR	3.5 U	0.05 J	0.38 U
Acetophenone	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Anthracene	500	100		0.12 J	22	NR	3.5 U	0.18 J	0.38 U
Atrazine	NS	NS		0.16 U	1.5 U	NR	1.4 U	0.15 U	0.15 U
Benzaldehyde	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.073 J	0.38 U
Benzo(a)Anthracene	**5.6**	1		0.38	**55**	NR	0.35 U	0.61	0.086
Benzo(a)Pyrene	**1**	1		0.32	**55**	NR	0.35 U	0.61	0.073
Benzo(b)Fluoranthene	**5.6**	1		0.36	**69**	NR	0.35 U	0.73	0.096
Benzo(g,h,i)Perylene	500	100		0.2 J	27	NR	3.5 U	0.42	0.38 U
Benzo(k)Fluoranthene	56	0.8		0.12	26	NR	0.35 U	0.25	0.029 J
Benzyl Butyl Phthalate	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Biphenyl (Diphenyl)	NS	NS		0.39 U	0.94 J	NR	3.5 U	0.02 J	0.38 U
Bis(2-Chloroethoxy) Methane	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
Bis(2-Chloroisopropyl) Ether	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	NS	NS		0.8	13	NR	3.5 U	0.37 U	0.38 U
Caprolactam	NS	NS		0.39 UT	3.7 UT	NR	3.5 UT	0.37 UT	0.38 UT
Carbazole	NS	NS		0.025 J	11	NR	3.5 U	0.051 J	0.38 U
Chrysene	56	1		0.44	52	NR	3.5 U	0.65	0.06 J
Dibenz(a,h)Anthracene	**0.56**	0.33		0.06	**8**	NR	0.35 U	0.11	0.038 U
Dibenzofuran	350	7		0.03 J	7.9	NR	3.5 U	0.046 J	0.38 U
Diethyl Phthalate	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Dimethyl Phthalate	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Di-N-Butyl Phthalate	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Di-N-Octylphthalate	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Fluoranthene	500	100		0.53	NR	130	3.5 U	0.94	0.099 J
Fluorene	500	30		0.054 J	14	NR	3.5 U	0.053 J	0.38 U
Hexachlorobenzene	6	0.33		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
Hexachlorobutadiene	NS	NS		0.079 U	0.75 U	NR	0.72 U	0.076 U	0.078 U
Hexachlorocyclopentadiene	NS	NS		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Hexachloroethane	NS	NS		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
Indeno(1,2,3-c,d)Pyrene	**5.6**	0.5		0.22	**37**	NR	0.35 U	0.47	0.05
Isophorone	NS	NS		0.16 U	1.5 U	NR	1.4 U	0.15 U	0.15 U
Naphthalene	500	12		0.061 J	6.6	NR	3.5 U	0.15 J	0.38 U
Nitrobenzene	NS	NS		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
N-Nitrosodi-N-Propylamine	NS	NS		0.039 U	0.37 U	NR	0.35 U	0.037 U	0.038 U
N-Nitrosodiphenylamine	NS	NS		0.063 J	3.7 U	NR	3.5 U	0.37 U	0.38 U
Pentachlorophenol	6.7	0.8		0.31 U	3 U	NR	2.9 U	0.3 U	0.31 U
Phenanthrene	500	100		0.5	81	NR	0.095 J	0.66	0.027 J
Phenol	500	0.33		0.39 U	3.7 U	NR	3.5 U	0.37 U	0.38 U
Pyrene	500	100		0.75	NR	120	0.24 J	1.2	0.11 J

Table 2
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	SB-10_8-10_20230201	SB-11_0-2_20230201	SB-11_8-10_20230201	SB-12_0-2_20230201	SB-12_0-2_20230201	SB-12_2-4_20230201
			Laboratory Sample ID	460-273899-17	460-273899-14	460-273899-15	460-273899-11	460-273899-11	460-273899-13
			Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
			Dilution Factor	5	10	1	1	2	5
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
1,4-Dioxane (P-Dioxane)	130	0.1		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
2,3,4,6-Tetrachlorophenol	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2,4,5-Trichlorophenol	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2,4,6-Trichlorophenol	NS	NS		0.75 U	1.4 U	0.15 U	0.19 U	NR	0.73 U
2,4-Dichlorophenol	NS	NS		0.75 U	1.4 U	0.15 U	0.19 U	NR	0.73 U
2,4-Dimethylphenol	NS	NS		1.9 U	3.5 U	0.38 U	0.079 J	NR	1.8 U
2,4-Dinitrophenol	NS	NS		1.5 U	2.8 U	0.31 U	0.38 U	NR	1.5 U
2,4-Dinitrotoluene	NS	NS		0.38 U	0.71 U	0.077 U	0.095 U	NR	0.37 U
2,6-Dinitrotoluene	NS	NS		0.38 U	0.71 U	0.077 U	0.095 U	NR	0.37 U
2-Chloronaphthalene	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2-Chlorophenol	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2-Methylnaphthalene	NS	NS		0.64 J	3.5 U	0.38 U	0.98	NR	2.6
2-Methylphenol (O-Cresol)	500	0.33		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2-Nitroaniline	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
2-Nitrophenol	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
3- And 4- Methylphenol (Total)	500	NS		1.9 U	3.5 U	0.38 U	0.1 J	NR	1.8 U
3,3'-Dichlorobenzidine	NS	NS		0.75 UT	1.4 UT	0.15 UT	0.19 UT	NR	0.73 UT
3-Nitroaniline	NS	NS		1.9 UT	3.5 UT	0.38 UT	0.47 UT	NR	1.8 UT
4,6-Dinitro-2-Methylphenol	NS	NS		1.5 U	2.8 U	0.31 U	0.38 U	NR	1.5 U
4-Bromophenyl Phenyl Ether	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
4-Chloro-3-Methylphenol	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
4-Chloroaniline	NS	NS		1.9 UT	3.5 UT	0.38 UT	0.47 UT	NR	1.8 UT
4-Chlorophenyl Phenyl Ether	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
4-Methylphenol (P-Cresol)	500	0.33		1.9 U	3.5 U	0.38 U	0.1 J	NR	1.8 U
4-Nitroaniline	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
4-Nitrophenol	NS	NS		3.8 U	7.1 U	0.063 J	0.95 U	NR	3.7 U
Acenaphthene	500	20		0.84 J	3.5 U	0.38 U	1.2	NR	0.26 J
Acenaphthylene	500	100		1.7 J	3.5 U	0.38 U	0.43 J	NR	0.26 J
Acetophenone	NS	NS		1.9 U	3.5 U	0.38 U	0.27 J	NR	1.8 U
Anthracene	500	100		2.5	3.5 U	0.38 U	2	NR	0.56 J
Atrazine	NS	NS		0.75 U	1.4 U	0.15 U	0.19 U	NR	0.73 U
Benzaldehyde	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Benzo(a)Anthracene	**5.6**	1		**6.8**	0.19 J	0.065	**5.7**	NR	1.1
Benzo(a)Pyrene	**1**	1		**6.3**	0.15 J	0.067	**4.3**	NR	0.86
Benzo(b)Fluoranthene	**5.6**	1		**8.2**	0.35 U	0.09	5.5	NR	1.6
Benzo(g,h,i)Perylene	500	100		3.3	3.5 U	0.045 J	2.4	NR	0.85 J
Benzo(k)Fluoranthene	56	0.8		2.6	0.35 U	0.029 J	2.2	NR	0.49
Benzyl Butyl Phthalate	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Biphenyl (Diphenyl)	NS	NS		0.19 J	3.5 U	0.38 U	0.13 J	NR	1.8 U
Bis(2-Chloroethoxy) Methane	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
Bis(2-Chloroisopropyl) Ether	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Bis(2-Ethylhexyl) Phthalate	NS	NS		1.9 U	3.5 U	0.38 U	3.5	NR	11
Caprolactam	NS	NS		1.9 UT	3.5 UT	0.38 UT	0.47 UT	NR	1.8 UT
Carbazole	NS	NS		1.6 J	3.5 U	0.38 U	0.54	NR	0.37 J
Chrysene	56	1		6.6	0.16 J	0.072 J	6.2	NR	1.4 J
Dibenz(a,h)Anthracene	**0.56**	0.33		**1.1**	0.35 U	0.038 U	**0.74**	NR	0.18
Dibenzofuran	350	7		1.2 J	3.5 U	0.38 U	0.38 J	NR	0.15 J
Diethyl Phthalate	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Dimethyl Phthalate	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Di-N-Butyl Phthalate	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Di-N-Octylphthalate	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Fluoranthene	500	100		15	0.18 J	0.075 J	8	NR	1.8
Fluorene	500	30		2	3.5 U	0.38 U	1.2	NR	0.34 J
Hexachlorobenzene	6	0.33		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
Hexachlorobutadiene	NS	NS		0.38 U	0.71 U	0.077 U	0.095 U	NR	0.37 U
Hexachlorocyclopentadiene	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Hexachloroethane	NS	NS		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
Indeno(1,2,3-c,d)Pyrene	**5.6**	0.5		4.5	0.14 J	0.048	2.8	NR	0.81
Isophorone	NS	NS		0.75 U	1.4 U	0.15 U	0.19 U	NR	0.73 U
Naphthalene	500	12		1.5 J	3.5 U	0.38 U	0.54	NR	2.7
Nitrobenzene	NS	NS		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
N-Nitrosodi-N-Propylamine	NS	NS		0.19 U	0.35 U	0.038 U	0.047 U	NR	0.18 U
N-Nitrosodiphenylamine	NS	NS		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Pentachlorophenol	6.7	0.8		1.5 U	2.8 U	0.31 U	0.38 U	NR	1.5 U
Phenanthrene	500	100		14	3.5 U	0.024 J	8.7	NR	1.8
Phenol	500	0.33		1.9 U	3.5 U	0.38 U	0.47 U	NR	1.8 U
Pyrene	500	100		13	0.23 J	0.1 J	NR	12	2.4

Table 2
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

			AKRF Sample ID	SB-12_7-9_20230201	SB-13_0-2_20230201	SB-13_6-8_20230201	SB-14_0-2_20230201	SB-14_2-4_20230201	SB-14_7-9_20230201
			Laboratory Sample ID	460-273899-12	460-273899-7	460-273899-8	460-273899-18	460-273899-19	460-273899-20
			Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023	2/01/2023
			Dilution Factor	10	1	5	10	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
1,4-Dioxane (P-Dioxane)	130	0.1		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
2,3,4,6-Tetrachlorophenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2,4,5-Trichlorophenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2,4,6-Trichlorophenol	NS	NS		1.5 U	0.15 U	1 U	1.5 U	0.15 U	0.15 U
2,4-Dichlorophenol	NS	NS		1.5 U	0.15 U	1 U	1.5 U	0.15 U	0.15 U
2,4-Dimethylphenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2,4-Dinitrophenol	NS	NS		3.1 U	0.29 U	2 U	3 U	0.3 U	0.3 U
2,4-Dinitrotoluene	NS	NS		0.77 U	0.074 U	0.51 U	0.75 U	0.075 U	0.075 U
2,6-Dinitrotoluene	NS	NS		0.77 U	0.074 U	0.51 U	0.75 U	0.075 U	0.075 U
2-Chloronaphthalene	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2-Chlorophenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2-Methylnaphthalene	NS	NS		0.25 J	0.1 J	0.3 J	11	7.9	0.11 J
2-Methylphenol (O-Cresol)	500	0.33		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2-Nitroaniline	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
2-Nitrophenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
3- And 4- Methylphenol (Total)	500	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.036 J
3,3'-Dichlorobenzidine	NS	NS		1.5 UT	0.15 UT	1 UT	1.5 UT	0.15 UT	0.15 UT
3-Nitroaniline	NS	NS		3.8 UT	0.37 UT	2.5 UT	3.7 UT	0.37 UT	0.37 UT
4,6-Dinitro-2-Methylphenol	NS	NS		3.1 U	0.29 U	2 U	3 U	0.3 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
4-Chloroaniline	NS	NS		3.8 UT	0.37 UT	2.5 UT	3.7 UT	0.37 UT	0.37 UT
4-Chlorophenyl Phenyl Ether	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
4-Methylphenol (P-Cresol)	500	0.33		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.036 J
4-Nitroaniline	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
4-Nitrophenol	NS	NS		7.7 U	0.74 U	5.1 U	7.5 U	0.75 U	0.75 U
Acenaphthene	500	20		3.8 U	0.082 J	0.6 J	0.19 J	0.11 J	0.24 J
Acenaphthylene	500	100		3.8 U	0.16 J	0.28 J	3.7 U	0.034 J	0.14 J
Acetophenone	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Anthracene	500	100		3.8 U	0.32 J	1.1 J	0.29 J	0.14 J	0.59
Atrazine	NS	NS		1.5 U	0.15 U	1 U	1.5 U	0.15 U	0.15 U
Benzaldehyde	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Benzo(a)Anthracene	**5.6**	1		0.37 J	0.63	3	0.98	0.33	1.9
Benzo(a)Pyrene	**1**	1		0.38 U	0.74	**3**	0.93	0.27	**1.8**
Benzo(b)Fluoranthene	**5.6**	1		0.65	1.3	3.9	1.4	0.39	2.2
Benzo(g,h,i)Perylene	500	100		0.33 J	0.63	1.7 J	0.63 J	0.24 J	1.3
Benzo(k)Fluoranthene	56	0.8		0.38 U	0.46	1.5	0.48	0.16	0.78
Benzyl Butyl Phthalate	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.12 J	0.076 J
Biphenyl (Diphenyl)	NS	NS		3.8 U	0.02 J	2.5 U	0.13 J	0.13 J	0.039 J
Bis(2-Chloroethoxy) Methane	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS		53	3.5	2.5 U	11	4	0.088 J
Caprolactam	NS	NS		3.8 UT	0.37 UT	2.5 UT	3.7 UT	0.37 UT	0.37 UT
Carbazole	NS	NS		3.8 U	0.16 J	0.74 J	3.7 U	0.051 J	0.22 J
Chrysene	56	1		0.81 J	0.88	3.2	1 J	0.36 J	1.8
Dibenz(a,h)Anthracene	**0.56**	0.33		0.38 U	0.16	**0.64**	0.18 J	0.047	0.29
Dibenzofuran	350	7		3.8 U	0.074 J	0.59 J	3.7 U	0.068 J	0.22 J
Diethyl Phthalate	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.074 J	0.37 U
Dimethyl Phthalate	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Di-N-Butyl Phthalate	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Di-N-Octylphthalate	NS	NS		3.8 U	0.37 U	2.5 U	0.93 J	1.2	0.37 U
Fluoranthene	500	100		0.73 J	1.2	6.7	1.7 J	0.72	3.3
Fluorene	500	30		0.12 J	0.11 J	0.9 J	0.31 J	0.16 J	0.31 J
Hexachlorobenzene	6	0.33		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
Hexachlorobutadiene	NS	NS		0.77 U	0.074 U	0.51 U	0.75 U	0.075 U	0.075 U
Hexachlorocyclopentadiene	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Hexachloroethane	NS	NS		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
Indeno(1,2,3-c,d)Pyrene	**5.6**	0.5		0.32 J	0.78	2.1	0.64	0.22	1.4
Isophorone	NS	NS		1.5 U	0.15 U	1 U	1.5 U	0.15 U	0.15 U
Naphthalene	500	12		0.17 J	0.13 J	0.58 J	11	7.2	0.21 J
Nitrobenzene	NS	NS		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS		0.38 U	0.037 U	0.25 U	0.37 U	0.037 U	0.037 U
N-Nitrosodiphenylamine	NS	NS		3.8 U	0.37 U	2.5 U	3.7 U	0.071 J	0.37 U
Pentachlorophenol	6.7	0.8		3.1 U	0.29 U	2 U	3 U	0.3 U	0.3 U
Phenanthrene	500	100		0.6 J	0.67	7.1	1.1 J	0.7	2.9
Phenol	500	0.33		3.8 U	0.37 U	2.5 U	3.7 U	0.37 U	0.37 U
Pyrene	500	100		1.2 J	1.6	6.5	2.2 J	0.8	3.8

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-07_0-2_20230201	SB-07_0-2_20230201	SB-07_7-9_20230201	SB-07_9-11_20230201
		Laboratory Sample ID	460-273899-1	460-273899-1	460-273899-3	460-273899-2
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	5	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,200	NR	4,100	2,640
Antimony	NS	NS	9.5	NR	0.81 J	7.5
Arsenic	**16**	13	**36.9**	NR	3.5	**22.4**
Barium	**400**	350	97.9	NR	**497**	**567**
Beryllium	590	7.2	0.29 J	NR	0.19 J	0.12 J
Cadmium	9.3	2.5	4.3	NR	1.5	1.8
Calcium	NS	NS	26,900	NR	13,200	26,700
Chromium, Total	NS	NS	49.1	NR	20.5	85.8
Cobalt	NS	NS	14.8	NR	3.1	12.6
Copper	**270**	50	**320**	NR	22.3	145
Iron	NS	NS	NR	95,900	14,300	NR
Lead	**1,000**	63	323	NR	528	NR
Magnesium	NS	NS	6,100	NR	1,800	1,830
Manganese	10,000	1,600	562	NR	150	675
Mercury	2.8	0.18	0.23	NR	0.16	0.51
Nickel	310	30	57.4	NR	13.2	167
Potassium	NS	NS	817	NR	495	317
Selenium	1,500	3.9	0.56 J	NR	0.16 J	0.54 J
Silver	1,500	2	0.48	NR	0.51	0.6
Sodium	NS	NS	506	NR	190	191
Thallium	NS	NS	0.11 J	NR	0.048 J	0.13 J
Vanadium	NS	NS	71	NR	13.3	15.7
Zinc	10,000	109	326	NR	375	1,060

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-07_9-11_20230201	SB-08_0-2_20230201	SB-08_6-8_20230201	SB-08_6-8_20230201
		Laboratory Sample ID	460-273899-2	460-273899-9	460-273899-10	460-273899-10
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	100	1	1	3
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	4,670	6,450	NR
Antimony	NS	NS	NR	0.49 J	6	NR
Arsenic	**16**	13	NR	2	9.8	NR
Barium	**400**	350	NR	22	347	NR
Beryllium	590	7.2	NR	0.15 J	0.42	NR
Cadmium	9.3	2.5	NR	0.34 J	3	NR
Calcium	NS	NS	NR	27,900	15,700	NR
Chromium, Total	NS	NS	NR	8.6	24.6	NR
Cobalt	NS	NS	NR	4.8	6.2	NR
Copper	**270**	50	NR	32.9	122	NR
Iron	NS	NS	161,000	12,200	36,800	NR
Lead	**1,000**	63	**3,360**	42.8	936	NR
Magnesium	NS	NS	NR	7,800	2,420	NR
Manganese	10,000	1,600	NR	140	472	NR
Mercury	2.8	0.18	NR	0.035	NR	1.4
Nickel	310	30	NR	10	23.8	NR
Potassium	NS	NS	NR	402	624	NR
Selenium	1,500	3.9	NR	1.1 U	1.8	NR
Silver	1,500	2	NR	0.085 J	0.48	NR
Sodium	NS	NS	NR	536	304	NR
Thallium	NS	NS	NR	0.35 U	0.12 J	NR
Vanadium	NS	NS	NR	55.1	20.1	NR
Zinc	10,000	109	NR	65.1	456	NR

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-09_0-2_20230201	SB-09_0-2_20230201	SB-09_3-5_20230201	SB-09_3-5_20230201
		Laboratory Sample ID	460-273899-4	460-273899-4	460-273899-5	460-273899-5
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	5	1	5
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	11,400	NR	4,270	NR
Antimony	NS	NS	3.8	NR	0.19 J	NR
Arsenic	**16**	13	4.9	NR	2.7	NR
Barium	**400**	350	166	NR	28.9	NR
Beryllium	590	7.2	1.2	NR	0.26 J	NR
Cadmium	9.3	2.5	1.5	NR	0.11 J	NR
Calcium	NS	NS	NR	59,700	NR	67,000
Chromium, Total	NS	NS	22.8	NR	15.9	NR
Cobalt	NS	NS	4.5	NR	4.1	NR
Copper	**270**	50	125	NR	12.3	NR
Iron	NS	NS	17,900	NR	9,480	NR
Lead	**1,000**	63	684	NR	43.2	NR
Magnesium	NS	NS	17,800	NR	33,400	NR
Manganese	10,000	1,600	NR	969	166	NR
Mercury	2.8	0.18	0.14	NR	0.031	NR
Nickel	310	30	25.1	NR	23.6	NR
Potassium	NS	NS	1,340	NR	699	NR
Selenium	1,500	3.9	0.53 J	NR	0.11 J	NR
Silver	1,500	2	0.57	NR	0.33 U	NR
Sodium	NS	NS	757	NR	233	NR
Thallium	NS	NS	0.058 J	NR	0.051 J	NR
Vanadium	NS	NS	34	NR	24.1	NR
Zinc	10,000	109	205	NR	32.5	NR

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-09_7-9_20230201	SB-10_0-2_20230201	SB-10_8-10_20230201	SB-11_0-2_20230201
		Laboratory Sample ID	460-273899-6	460-273899-16	460-273899-17	460-273899-14
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,480	13,200	6,010	4,950
Antimony	NS	NS	6.4	0.47 J	3.2	1.1
Arsenic	**16**	13	9.2	5.5	6.7	3.8
Barium	**400**	350	241	68.8	**636**	27
Beryllium	590	7.2	0.51	0.56	0.28 J	0.23 J
Cadmium	9.3	2.5	1.4	0.15 J	2.4	0.23 J
Calcium	NS	NS	6,740	2,870	41,900	NR
Chromium, Total	NS	NS	41	24.1	23.1	17.5
Cobalt	NS	NS	8.2	8.4	4.3	5.2
Copper	**270**	50	140	19.3	105	60
Iron	NS	NS	29,200	18,700	21,800	16,000
Lead	**1,000**	63	778	144	914	44.3
Magnesium	NS	NS	2,560	3,270	5,560	19,800
Manganese	10,000	1,600	361	339	231	202
Mercury	2.8	0.18	0.68	0.6	0.39	0.031
Nickel	310	30	44.8	36.3	25.8	12
Potassium	NS	NS	847	1,090	712	741
Selenium	1,500	3.9	1.1	0.34 J	0.43 J	0.15 J
Silver	1,500	2	0.43	0.36 U	0.31 J	0.3 J
Sodium	NS	NS	260	257	301	490
Thallium	NS	NS	0.11 J	0.15 J	0.072 J	0.059 J
Vanadium	NS	NS	26.4	33.4	23.8	50.6
Zinc	10,000	109	543	79.9	667	141

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-11_0-2_20230201	SB-11_8-10_20230201	SB-12_0-2_20230201	SB-12_0-2_20230201
		Laboratory Sample ID	460-273899-14	460-273899-15	460-273899-11	460-273899-11
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	5	1	1	5
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	10,500	9,930	NR
Antimony	NS	NS	NR	0.38 J	6.8	NR
Arsenic	**16**	13	NR	5	**22**	NR
Barium	**400**	350	NR	39	89.6	NR
Beryllium	590	7.2	NR	0.43	0.42 J	NR
Cadmium	9.3	2.5	NR	0.87 U	2	NR
Calcium	NS	NS	62,100	1,070	45,600	NR
Chromium, Total	NS	NS	NR	16.7	42.5	NR
Cobalt	NS	NS	NR	6.1	12.3	NR
Copper	**270**	50	NR	15	235	NR
Iron	NS	NS	NR	15,500	NR	69,100
Lead	**1,000**	63	NR	25.1	255	NR
Magnesium	NS	NS	NR	2,040	9,080	NR
Manganese	10,000	1,600	NR	211	425	NR
Mercury	2.8	0.18	NR	0.046	0.16	NR
Nickel	310	30	NR	22.2	43.2	NR
Potassium	NS	NS	NR	791	987	NR
Selenium	1,500	3.9	NR	0.19 J	0.48 J	NR
Silver	1,500	2	NR	0.35 U	0.27 J	NR
Sodium	NS	NS	NR	91	1,010	NR
Thallium	NS	NS	NR	0.097 J	0.09 J	NR
Vanadium	NS	NS	NR	22.6	83.2	NR
Zinc	10,000	109	NR	46.3	228	NR

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-12_2-4_20230201	SB-12_2-4_20230201	SB-12_7-9_20230201	SB-12_7-9_20230201
		Laboratory Sample ID	460-273899-13	460-273899-13	460-273899-12	460-273899-12
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	5	1	5
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	7,310	NR	5,780	NR
Antimony	NS	NS	7.8	NR	4.4	NR
Arsenic	**16**	13	**21.3**	NR	10.4	NR
Barium	**400**	350	86.2	NR	**541**	NR
Beryllium	590	7.2	0.16 J	NR	0.25 J	NR
Cadmium	9.3	2.5	2.7	NR	5.2	NR
Calcium	NS	NS	15,600	NR	NR	86,500
Chromium, Total	NS	NS	31.4	NR	26.7	NR
Cobalt	NS	NS	11.4	NR	7.6	NR
Copper	**270**	50	208	NR	102	NR
Iron	NS	NS	NR	59,300	42,400	NR
Lead	**1,000**	63	**1,650**	NR	860	NR
Magnesium	NS	NS	7,700	NR	33,700	NR
Manganese	10,000	1,600	327	NR	558	NR
Mercury	2.8	0.18	0.35	NR	0.15	NR
Nickel	310	30	39.5	NR	36.2	NR
Potassium	NS	NS	913	NR	553	NR
Selenium	1,500	3.9	0.38 J	NR	0.56 J	NR
Silver	1,500	2	0.3 J	NR	0.25 J	NR
Sodium	NS	NS	785	NR	183	NR
Thallium	NS	NS	0.086 J	NR	0.063 J	NR
Vanadium	NS	NS	59.4	NR	25	NR
Zinc	10,000	109	287	NR	896	NR

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-13_0-2_20230201	SB-13_0-2_20230201	SB-13_6-8_20230201	SB-14_0-2_20230201
		Laboratory Sample ID	460-273899-7	460-273899-7	460-273899-8	460-273899-18
		Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	1	5	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,510	NR	11,000	3,990
Antimony	NS	NS	12.1	NR	5.3	0.79 J
Arsenic	**16**	13	**47**	NR	8.8	3.1
Barium	**400**	350	101	NR	384	46.7
Beryllium	590	7.2	0.31 J	NR	0.55	0.27 J
Cadmium	9.3	2.5	3.2	NR	2	0.5 J
Calcium	NS	NS	NR	69,100	9,750	NR
Chromium, Total	NS	NS	59.3	NR	30.6	25.1
Cobalt	NS	NS	14.6	NR	8.4	4.6
Copper	**270**	50	**363**	NR	184	27.6
Iron	NS	NS	NR	102,000	24,200	12,100
Lead	**1,000**	63	440	NR	840	187
Magnesium	NS	NS	30,800	NR	3,810	7,220
Manganese	10,000	1,600	670	NR	285	191
Mercury	2.8	0.18	0.38	NR	0.81	0.19
Nickel	310	30	61.4	NR	39	55.8
Potassium	NS	NS	717	NR	939	499
Selenium	1,500	3.9	0.64 J	NR	1.1 J	0.18 J
Silver	1,500	2	0.83	NR	0.53	0.23 J
Sodium	NS	NS	854	NR	277	221
Thallium	NS	NS	0.11 J	NR	0.15 J	0.044 J
Vanadium	NS	NS	64	NR	32.7	23
Zinc	10,000	109	246	NR	552	134

Table 3
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

		AKRF Sample ID	SB-14_0-2_20230201	SB-14_2-4_20230201	SB-14_7-9_20230201
		Laboratory Sample ID	460-273899-18	460-273899-19	460-273899-20
		Date Sampled	2/01/2023	2/01/2023	2/01/2023
		Dilution Factor	2	1	1
		Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC CSCO**	**NYSDEC UUSCO**	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	9,810	3,340
Antimony	NS	NS	NR	1.5	2.9
Arsenic	**16**	13	NR	3.8	5.5
Barium	**400**	350	NR	89.9	239
Beryllium	590	7.2	NR	0.8	0.17 J
Cadmium	9.3	2.5	NR	1.2	1.2
Calcium	NS	NS	49,200	31,500	11,100
Chromium, Total	NS	NS	NR	30.6	12.9
Cobalt	NS	NS	NR	7.6	3.4
Copper	**270**	50	NR	57.5	98.7
Iron	NS	NS	NR	19,100	12,500
Lead	**1,000**	63	NR	393	557
Magnesium	NS	NS	NR	10,400	3,850
Manganese	10,000	1,600	NR	422	117
Mercury	2.8	0.18	NR	0.098	0.7
Nickel	310	30	NR	74.4	15.2
Potassium	NS	NS	NR	976	472
Selenium	1,500	3.9	NR	0.34 J	0.59 J
Silver	1,500	2	NR	2.8	0.34
Sodium	NS	NS	NR	804	278
Thallium	NS	NS	NR	0.079 J	0.062 J
Vanadium	NS	NS	NR	26.3	13.2
Zinc	10,000	109	NR	319	444

Table 4
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Groundwater Analytical Results of VOCs

	AKRF Sample ID	MW-07_20230202		MW-08_20230202		MW-09_20230202		MW-10_20230202	
	Laboratory Sample ID	460-273970-1		460-273970-4		460-273970-3		460-273970-2	
	Date Sampled	2/02/2023		2/02/2023		2/02/2023		2/02/2023	
	Unit	µg/L		µg/L		µg/L		µg/L	
	Dilution Factor	1		1		1		1	
Compound	**AWQSGV**	CONC	Q	CONC	Q	CONC	Q	CONC	Q
1,1,1-Trichloroethane	5	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	1	U	3		1	U	1	U
1,2-Dibromo-3-Chloropropane	0.04	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	1	U	1.4		1	U	1	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U
2-Hexanone	50	5	U	1.7	J	5	U	5	U
Acetone	**50**	5	U	**70**		4.6	J	5	U
Benzene	**1**	1	U	**11**		1	U	1	U
Bromochloromethane	5	1	U	1	U	1	U	1	U
Bromodichloromethane	50	0.71	J	1	U	1	U	1	U
Bromoform	50	1	U	1	U	1	U	1	U
Bromomethane	5	1	U	1	U	1	U	1	U
Carbon Disulfide	60	1	U	1	U	1	U	1	U
Carbon Tetrachloride	5	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U
Chloroethane	5	1	U	1	U	1	U	1	U
Chloroform	**7**	**7.6**		1	U	1	U	1	U
Chloromethane	5	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Cyclohexane	NS	1	U	0.89	J	1	U	1	U
Dibromochloromethane	50	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	0.69	J	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U
M,P-Xylenes	**5**	1	U	**12**		1	U	1	U
Methyl Acetate	NS	5	U	5	U	5	U	5	U
Methyl Ethyl Ketone (2-Butanone)	**50**	5	U	**65**		5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5	U	5	U	5	U	5	U
Methylcyclohexane	NS	1	U	0.89	J	1	U	1	U
Methylene Chloride	5	1	U	1	U	1	U	1	U
N-Butylbenzene	5	1	U	1	U	1	U	1	U
N-Propylbenzene	5	1	U	1	U	1	U	1	U
O-Xylene (1,2-Dimethylbenzene)	5	1	U	0.47	J	1	U	1	U
Sec-Butylbenzene	5	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U
T-Butylbenzene	5	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	10	1	U	3.8		7.1		2.7	
Tetrachloroethylene (PCE)	5	1	U	1	U	1	U	1	U
Toluene	5	1	U	0.94	J	1	U	1	U
Trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	5	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	1	U	1	U	1	U	1	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U
Xylenes, Total	NS	2	U	12		2	U	2	U

Table 5
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	MW-07_20230202	MW-08_20230202	MW-09_20230202	MW-10_20230202
	Laboratory Sample ID	460-273970-1	460-273970-4	460-273970-3	460-273970-2
	Date Sampled	2/02/2023	2/02/2023	2/02/2023	2/02/2023
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	NS	0.2 U	0.88	0.97	0.2 U
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	NS	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	0.87 J	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	0.92 J	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	0.92 J	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	20 U	20 U	20 U	20 U
Acenaphthene	20	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	10 U	10 U	10 U
Acetophenone	NS	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Atrazine	7.5	2 U	2 U	2 U	2 U
Benzaldehyde	NS	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	0.002	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ND	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	0.002	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	NS	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	5	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U
Caprolactam	NS	10 U	10 U	10 U	10 U
Carbazole	NS	10 U	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	NS	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	2 U	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U	2 U	2 U
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	10	2.4	0.65 J	2 U	0.59 J
Nitrobenzene	0.4	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Pentachlorophenol	NS	20 U	20 U	20 U	20 U
Phenanthrene	50	10 U	10 U	10 U	10 U
Phenol	1	10 U	0.55 J	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U

Table 6
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	SV-07_20230201	SV-09_20230201	SV-09_20230201	SV-10_20230202
Laboratory Sample ID	23B0126-01	23B0126-02	23B0126-02RE1	23B0126-04
Date Sampled	2/01/2023	2/01/2023	2/01/2023	2/02/2023
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	3.44	30.46	81.54	17.01
Compound	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	2.4 U	21 U	NR	12 U
1,1,1-Trichloroethane	1.9 U	17 U	NR	9.3 U
1,1,2,2-Tetrachloroethane	2.4 U	21 U	NR	12 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	2.6 U	23 U	NR	13 U
1,1,2-Trichloroethane	1.9 U	17 U	NR	9.3 U
1,1-Dichloroethane	1.4 U	12 U	NR	6.9 U
1,1-Dichloroethene	0.34 U	3 U	NR	1.7 U
1,2,4-Trichlorobenzene	2.5 U	23 U	NR	13 U
1,2,4-Trimethylbenzene	2 D	15 U	NR	8.4 U
1,2-Dibromoethane (Ethylene Dibromide)	2.6 U	23 U	NR	13 U
1,2-Dichlorobenzene	2.1 U	18 U	NR	10 U
1,2-Dichloroethane	1.4 U	12 U	NR	6.9 U
1,2-Dichloropropane	1.6 U	14 U	NR	7.9 U
1,3,5-Trimethylbenzene (Mesitylene)	1.7 U	15 U	NR	11 D
1,3-Butadiene	4.6 D	120 D	NR	36 D
1,3-Dichlorobenzene	2.1 U	18 U	NR	10 U
1,3-Dichloropropane	1.6 U	14 U	NR	7.9 U
1,4-Dichlorobenzene	2.1 U	18 U	NR	10 U
2-Hexanone	2.8 U	25 U	NR	14 U
4-Ethyltoluene	4.2 D	15 U	NR	47 D
Acetone	43 D	200 D	NR	72 D
Acrylonitrile	0.75 U	6.6 U	NR	3.7 U
Allyl Chloride (3-Chloropropene)	5.4 U	48 U	NR	27 U
Benzene	6.3 D	580 D	NR	59 D
Benzyl Chloride	1.8 U	16 U	NR	8.8 U
Bromodichloromethane	2.3 U	20 U	NR	11 U
Bromoform	3.6 U	31 U	NR	18 U
Bromomethane	1.3 U	12 U	NR	6.6 U
Carbon Disulfide	32 D	130 D	NR	29 D
Carbon Tetrachloride	0.54 U	4.8 U	NR	2.7 U
Chlorobenzene	1.6 U	150 D	NR	7.8 U
Chloroethane	0.91 U	8 U	NR	4.5 U
Chloroform	22 D	170 D	NR	13 D
Chloromethane	0.71 U	6.3 U	NR	3.5 U
Cis-1,2-Dichloroethylene	0.34 U	3 U	NR	1.7 U
Cis-1,3-Dichloropropene	1.6 U	14 U	NR	7.7 U
Cyclohexane	22 D	3,900 D	NR	180 D
Dibromochloromethane	2.9 U	26 U	NR	14 U
Dichlorodifluoromethane	2.5 D	63 D	NR	26 D
Ethyl Acetate	2.5 U	22 U	NR	12 U
Ethylbenzene	5.2 D	48 D	NR	150 D
Hexachlorobutadiene	3.7 U	32 U	NR	18 U
Isopropanol	2.4 D	15 U	NR	8.4 U
M,P-Xylenes	18 D	83 D	NR	410 D
Methyl Ethyl Ketone (2-Butanone)	8.4 D	58 D	NR	13 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.4 U	12 U	NR	7 U
Methyl Methacrylate	1.4 U	12 U	NR	7 U
Methylene Chloride	2.4 U	21 U	NR	12 U
N-Heptane	61 D	2,400 D	NR	380 D
N-Hexane	110 D	NR	9,700 D	480 D
O-Xylene (1,2-Dimethylbenzene)	4.9 D	32 D	NR	38 D
Styrene	1.5 U	44 D	NR	7.2 U
Tert-Butyl Methyl Ether	1.2 U	11 U	NR	6.1 U
Tetrachloroethylene (PCE)	8.6 D	21 U	NR	12 U
Tetrahydrofuran	2 U	18 U	NR	10 U
Toluene	5.7 D	150 D	NR	31 D
Trans-1,2-Dichloroethene	1.4 U	12 U	NR	6.7 U
Trans-1,3-Dichloropropene	1.6 U	14 U	NR	7.7 U
Trichloroethylene (TCE)	3.3 D	4.1 U	NR	3.7 D
Trichlorofluoromethane	1.9 D	17 U	NR	11 D
Vinyl Acetate	1.2 U	11 U	NR	6 U
Vinyl Bromide	1.5 U	13 U	NR	7.4 U
Vinyl Chloride	0.44 U	3.9 U	NR	2.2 U

Tables 1-6
Former T&J Salvage
2647 Stillwell Ave, Brooklyn, NY
Limited Subsurface (Phase II) Investigation
Notes

DEFINITIONS

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

J : The concentration given is an estimated value.

ND : The standard is a non-detectable concentration by the approved analytical method.

NR : Not reported.

NS : No standard.

T : Indicates that a quality control parameter has exceeded laboratory limits.

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

mg/kg : milligrams per kilogram

µg/L : micrograms per liter

µg/m^3 : micrograms per cubic meter of air

STANDARDS

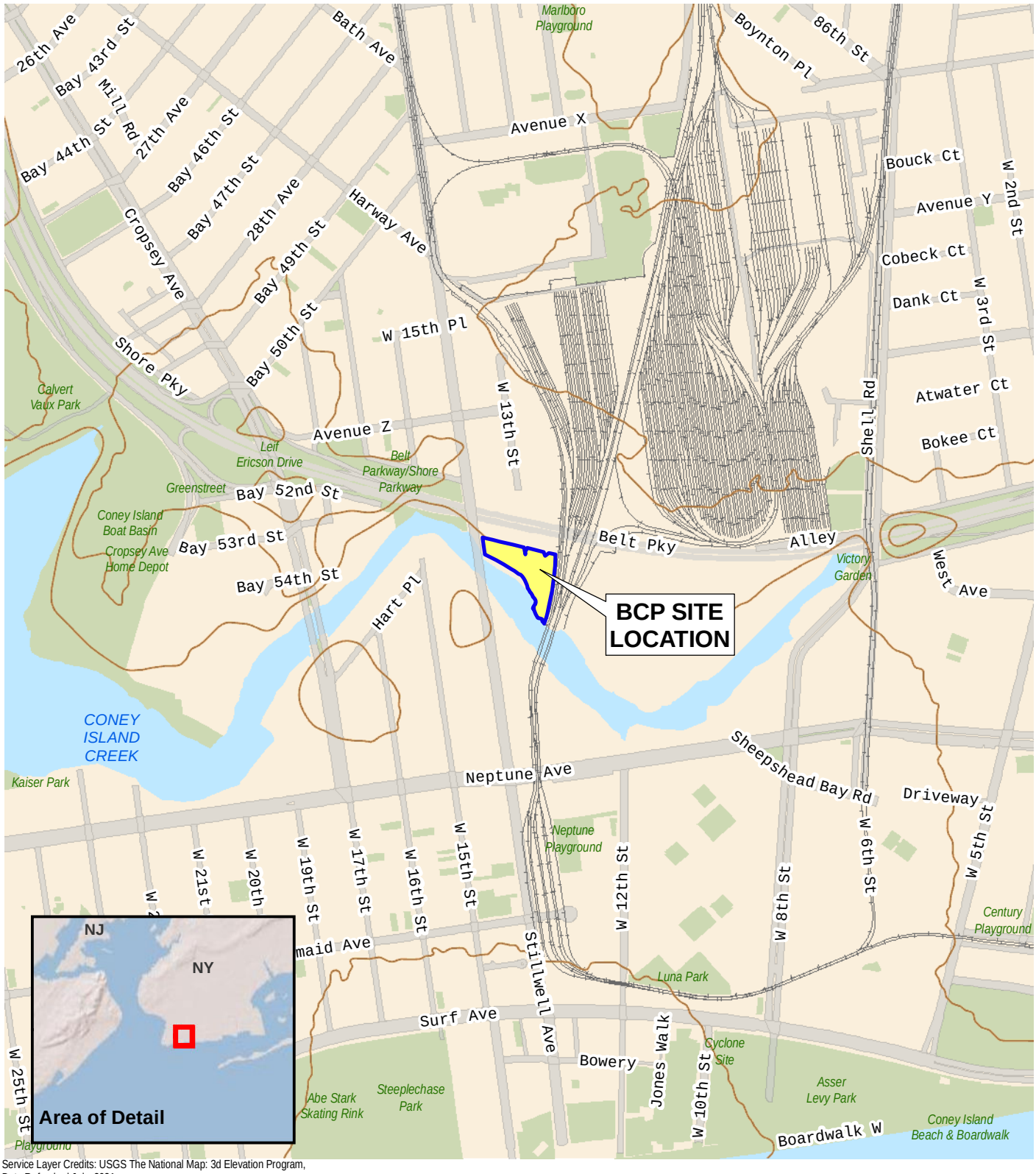
Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Exceedances of Part 375 Commercial Use Soil Cleanup Objectives (CSCOs) are highlighted in bold font.
Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in gray shading.

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.

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 800 1,600

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

BCP SITE LOCATION

DATE
9/27/2022

PROJECT NO.
220241

FIGURE
1

LEGEND

- PROJECT SITE BOUNDARY
- 213 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- BUILDING
- CATCH BASIN/DRYWELL LOCATION
- 2023 PHASE II SOIL BORING LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT
- 2015 PHASE II SOIL BORING LOCATION
- 2015 PHASE II MONITORING WELL LOCATION

Aerial Source:
2020 New York State ITS GIS Orthoimagery.

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

0 60 120
SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

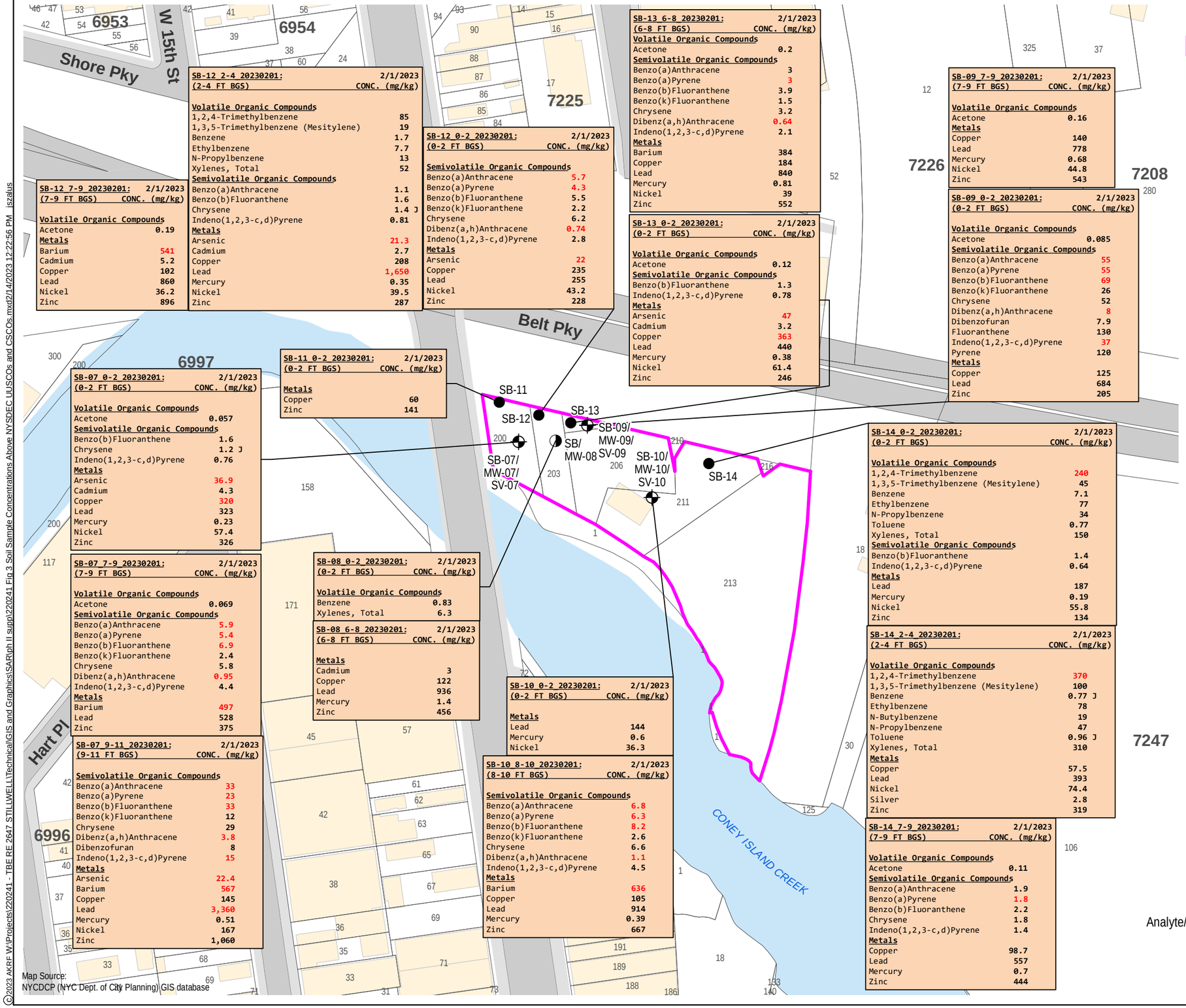
2647 Stillwell Avenue
Brooklyn, New York

SITE AND SAMPLE LOCATION PLAN

DATE
2/14/2023

PROJECT NO.
220241

FIGURE
2



SB-12 2-4 20230201: 2/1/2023
(2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	85
1,3,5-Trimethylbenzene (Mesitylene)	19
Benzene	1.7
Ethylbenzene	7.7
N-Propylbenzene	13
Xylenes, Total	52
Semivolatile Organic Compounds	
Benzo(a)Anthracene	1.1
Benzo(b)Fluoranthene	1.6
Chrysene	1.4 J
Indeno(1,2,3-c,d)Pyrene	0.81
Metals	
Arsenic	21.3
Cadmium	2.7
Copper	208
Lead	1,650
Mercury	0.35
Nickel	39.5
Zinc	287

SB-12 7-9 20230201: 2/1/2023
(7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.19
Metals	
Barium	541
Cadmium	5.2
Copper	102
Lead	860
Nickel	36.2
Zinc	896

SB-12 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	5.7
Benzo(a)Pyrene	4.3
Benzo(b)Fluoranthene	5.5
Benzo(k)Fluoranthene	2.2
Chrysene	6.2
Dibenz(a,h)Anthracene	0.74
Indeno(1,2,3-c,d)Pyrene	2.8
Metals	
Arsenic	22
Copper	235
Lead	255
Nickel	43.2
Zinc	228

SB-13 6-8 20230201: 2/1/2023
(6-8 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.2
Semivolatile Organic Compounds	
Benzo(a)Anthracene	3
Benzo(a)Pyrene	3
Benzo(b)Fluoranthene	3.9
Benzo(k)Fluoranthene	1.5
Chrysene	3.2
Dibenz(a,h)Anthracene	0.64
Indeno(1,2,3-c,d)Pyrene	2.1
Metals	
Barium	384
Copper	184
Lead	840
Mercury	0.81
Nickel	39
Zinc	552

SB-13 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.12
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.3
Indeno(1,2,3-c,d)Pyrene	0.78
Metals	
Arsenic	47
Cadmium	3.2
Copper	363
Lead	440
Mercury	0.38
Nickel	61.4
Zinc	246

SB-09 7-9 20230201: 2/1/2023
(7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.16
Metals	
Copper	140
Lead	778
Mercury	0.68
Nickel	44.8
Zinc	543

SB-09 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.085
Semivolatile Organic Compounds	
Benzo(a)Anthracene	55
Benzo(a)Pyrene	55
Benzo(b)Fluoranthene	69
Benzo(k)Fluoranthene	26
Chrysene	52
Dibenz(a,h)Anthracene	8
Dibenzofuran	7.9
Fluoranthene	130
Indeno(1,2,3-c,d)Pyrene	37
Pyrene	120
Metals	
Copper	125
Lead	684
Zinc	205

SB-11 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Metals	
Copper	60
Zinc	141

SB-07 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.057
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.6
Chrysene	1.2 J
Indeno(1,2,3-c,d)Pyrene	0.76
Metals	
Arsenic	36.9
Cadmium	4.3
Copper	320
Lead	323
Mercury	0.23
Nickel	57.4
Zinc	326

SB-07 7-9 20230201: 2/1/2023
(7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.069
Semivolatile Organic Compounds	
Benzo(a)Anthracene	5.9
Benzo(a)Pyrene	5.4
Benzo(b)Fluoranthene	6.9
Benzo(k)Fluoranthene	2.4
Chrysene	5.8
Dibenz(a,h)Anthracene	0.95
Indeno(1,2,3-c,d)Pyrene	4.4
Metals	
Barium	497
Lead	528
Zinc	375

SB-07 9-11 20230201: 2/1/2023
(9-11 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	33
Benzo(a)Pyrene	23
Benzo(b)Fluoranthene	33
Benzo(k)Fluoranthene	12
Chrysene	29
Dibenz(a,h)Anthracene	3.8
Dibenzofuran	8
Indeno(1,2,3-c,d)Pyrene	15
Metals	
Arsenic	22.4
Barium	567
Copper	145
Lead	3,360
Mercury	0.51
Nickel	167
Zinc	1,060

SB-08 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Benzene	0.83
Xylenes, Total	6.3

SB-08 6-8 20230201: 2/1/2023
(6-8 FT BGS) CONC. (mg/kg)

Metals	
Cadmium	3
Copper	122
Lead	936
Mercury	1.4
Zinc	456

SB-10 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Metals	
Lead	144
Mercury	0.6
Nickel	36.3

SB-10 8-10 20230201: 2/1/2023
(8-10 FT BGS) CONC. (mg/kg)

Semivolatile Organic Compounds	
Benzo(a)Anthracene	6.8
Benzo(a)Pyrene	6.3
Benzo(b)Fluoranthene	8.2
Benzo(k)Fluoranthene	2.6
Chrysene	6.6
Dibenz(a,h)Anthracene	1.1
Indeno(1,2,3-c,d)Pyrene	4.5
Metals	
Barium	636
Copper	105
Lead	914
Mercury	0.39
Zinc	667

SB-14 0-2 20230201: 2/1/2023
(0-2 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	240
1,3,5-Trimethylbenzene (Mesitylene)	45
Benzene	7.1
Ethylbenzene	77
N-Propylbenzene	34
Toluene	0.77
Xylenes, Total	150
Semivolatile Organic Compounds	
Benzo(b)Fluoranthene	1.4
Indeno(1,2,3-c,d)Pyrene	0.64
Metals	
Lead	187
Mercury	0.19
Nickel	55.8
Zinc	134

SB-14 2-4 20230201: 2/1/2023
(2-4 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
1,2,4-Trimethylbenzene	370
1,3,5-Trimethylbenzene (Mesitylene)	100
Benzene	0.77 J
Ethylbenzene	78
N-Butylbenzene	19
N-Propylbenzene	47
Toluene	0.96 J
Xylenes, Total	310
Metals	
Copper	57.5
Lead	393
Nickel	74.4
Silver	2.8
Zinc	319

SB-14 7-9 20230201: 2/1/2023
(7-9 FT BGS) CONC. (mg/kg)

Volatile Organic Compounds	
Acetone	0.11
Semivolatile Organic Compounds	
Benzo(a)Anthracene	1.9
Benzo(a)Pyrene	1.8
Benzo(b)Fluoranthene	2.2
Chrysene	1.8
Indeno(1,2,3-c,d)Pyrene	1.4
Metals	
Copper	98.7
Lead	557
Mercury	0.7
Zinc	444

LEGEND

- PROJECT SITE BOUNDARY
- 211 — LOT BOUNDARY AND TAX LOT NUMBER
- 7247 — BLOCK NUMBER
- BUILDING
- 2023 PHASE II SOIL BORING LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT

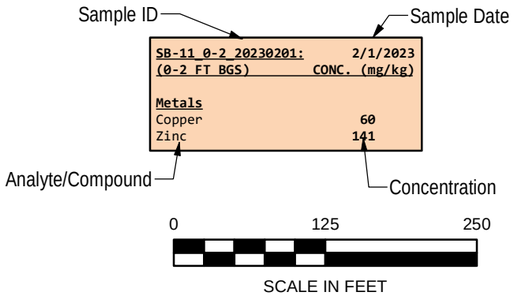
Part 375 Soil Cleanup Objectives (SCOs): SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Commercial Soil Cleanup Objectives (CSCOs) are presented in red.

mg/kg:milligrams per kilogram = parts per million (ppm)
J: The concentration given is an estimated value.

	PART 375 COMMERCIAL mg / kg	PART 375 UNRESTRICTED mg / kg
Metals		
Arsenic	16	13
Barium	400	350
Cadmium	9.3	2.5
Copper	270	50
Lead	1000	63
Mercury	2.8	0.18
Nickel	310	30
Silver	1,500	2
Zinc	10,000	109
Semivolatile Organic Compounds		
Benzo(a)Anthracene	5.6	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	5.6	1
Benzo(k)Fluoranthene	56	0.8
Chrysene	56	1
Dibenz(a,h)Anthracene	0.56	0.33
Dibenzofuran	350	7
Fluoranthene	500	100
Indeno(1,2,3-c,d)Pyrene	5.6	0.5
Pyrene	500	100
Volatile Organic Compounds		
1,2,4-Trimethylbenzene	190	3.6
1,3,5-Trimethylbenzene (Mesitylene)	190	8.4
Acetone	500	0.05
Benzene	44	0.06
Ethylbenzene	390	1
N-Butylbenzene	500	12
N-Propylbenzene	500	3.9
Toluene	500	0.7
Xylenes, Total	500	0.26



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

AKRF
440 Park Avenue South, New York, NY 10016

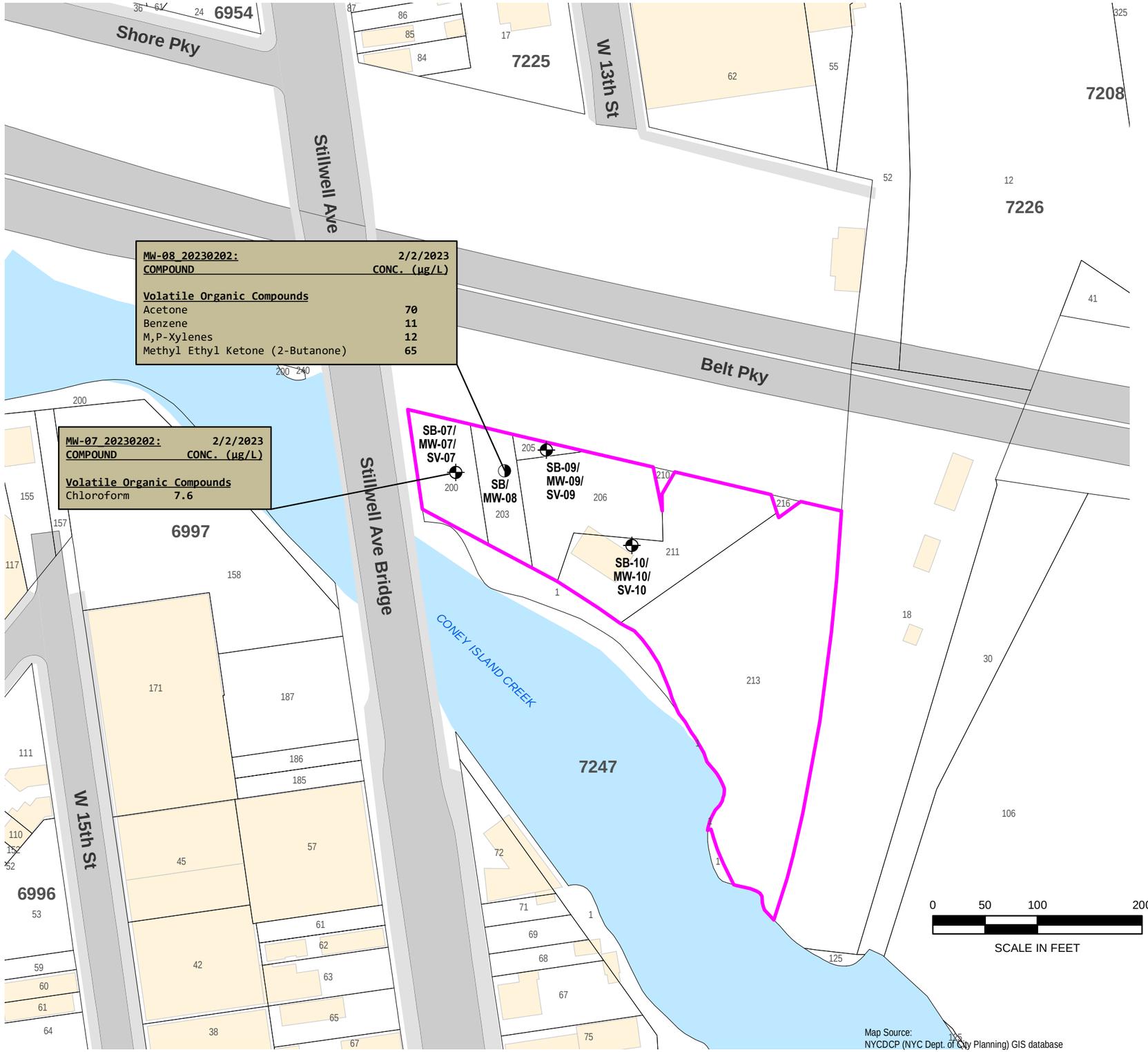
SOIL EXCEEDANCES ABOVE UUSCOs AND CSCOs

2647 Stillwell Avenue
Brooklyn, New York

DATE
2/14/2023

PROJECT NO.
220241

FIGURE
3



LEGEND

- PROJECT SITE BOUNDARY
- 211 LOT BOUNDARY AND TAX LOT NUMBER
- 7247 BLOCK NUMBER
- BUILDING
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT

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):

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

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

	AWQSGVs ug/L
Volatile Organic Compounds	
Acetone	50
Benzene	1
Chlorform	7
M,P-Xylenes	5
Methyl Ethyl Ketone (2-Butanone)	50

Sample ID — Sample Date

MW-07_20230202: 2/2/2023
COMPOUND CONC. (µg/L)
Volatile Organic Compounds
Chloroform 7.6

Analyte/Compound — Concentration

AKRF
440 Park Avenue South, New York, NY 10016

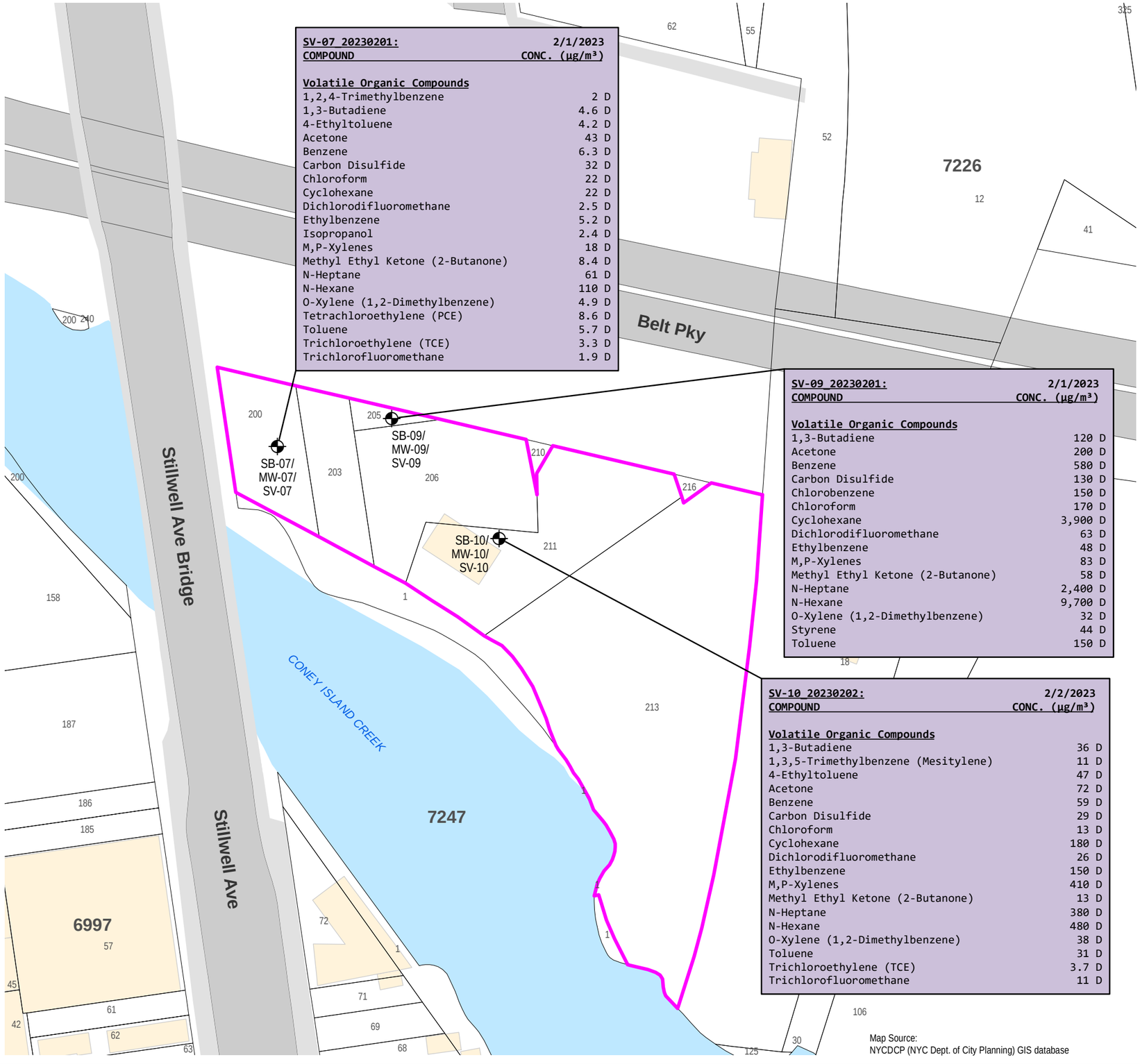
2647 Stillwell Avenue
Brooklyn, New York

GROUNDWATER EXCEEDANCES ABOVE AWQSGVs

DATE
2/14/2023

PROJECT NO.
220241

FIGURE
4



SV-07 20230201: 2/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	2 D
1,3-Butadiene	4.6 D
4-Ethyltoluene	4.2 D
Acetone	43 D
Benzene	6.3 D
Carbon Disulfide	32 D
Chloroform	22 D
Cyclohexane	22 D
Dichlorodifluoromethane	2.5 D
Ethylbenzene	5.2 D
Isopropanol	2.4 D
M,P-Xylenes	18 D
Methyl Ethyl Ketone (2-Butanone)	8.4 D
N-Heptane	61 D
N-Hexane	110 D
O-Xylene (1,2-Dimethylbenzene)	4.9 D
Tetrachloroethylene (PCE)	8.6 D
Toluene	5.7 D
Trichloroethylene (TCE)	3.3 D
Trichlorofluoromethane	1.9 D

SV-09 20230201: 2/1/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,3-Butadiene	120 D
Acetone	200 D
Benzene	580 D
Carbon Disulfide	130 D
Chlorobenzene	150 D
Chloroform	170 D
Cyclohexane	3,900 D
Dichlorodifluoromethane	63 D
Ethylbenzene	48 D
M,P-Xylenes	83 D
Methyl Ethyl Ketone (2-Butanone)	58 D
N-Heptane	2,400 D
N-Hexane	9,700 D
O-Xylene (1,2-Dimethylbenzene)	32 D
Styrene	44 D
Toluene	150 D

SV-10 20230202: 2/2/2023

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,3-Butadiene	36 D
1,3,5-Trimethylbenzene (Mesitylene)	11 D
4-Ethyltoluene	47 D
Acetone	72 D
Benzene	59 D
Carbon Disulfide	29 D
Chloroform	13 D
Cyclohexane	180 D
Dichlorodifluoromethane	26 D
Ethylbenzene	150 D
M,P-Xylenes	410 D
Methyl Ethyl Ketone (2-Butanone)	13 D
N-Heptane	380 D
N-Hexane	480 D
O-Xylene (1,2-Dimethylbenzene)	38 D
Toluene	31 D
Trichloroethylene (TCE)	3.7 D
Trichlorofluoromethane	11 D

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

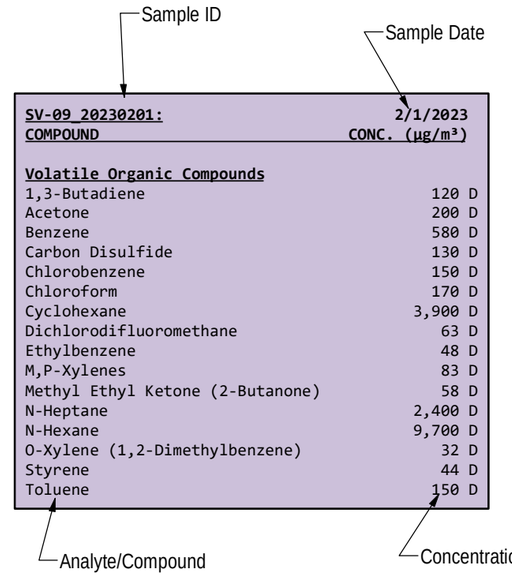
LEGEND

- PROJECT SITE BOUNDARY
- 211 LOT BOUNDARY AND TAX LOT
- 7247 BLOCK NUMBER
- BUILDING
- 2023 PHASE II SOIL BORING/MONITORING WELL LOCATION/SOIL VAPOR POINT

SOIL VAPOR

µg/m³- micrograms per cubic meter

D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.



0 40 80 160

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

2647 Stillwell Avenue
Brooklyn, New York

SOIL VAPOR DETECTIONS

DATE
2/14/2023

PROJECT NO.
220241

FIGURE
5

ATTACHMENT A
SOIL BORING LOGS AND GROUNDWATER MONITORING WELL CONSTRUCTION LOGS

SOIL BORING AND WELL INSTALLATION LOG	Former T&J Salvage 2647 Stillwell Avenue, Brooklyn, NY AKRF Project Number: 220241	Groundwater Monitoring Well ID: Sheet 1 of 1	MW-07	Soil Boring ID:	SB-07

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged by:	J. Sulich, AKRF

Drilling

Start Time: 09:05 **Finish Time:** 10:05

Date: 02/01/2023

Depth (feet)	Well Construction	Surface Condition: Concrete	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		**Locking J-plug and flush mount cover at grade.**		Brown and black SAND, little Gravel, trace Silt, Glass, Brick, Metal (FILL).	ND				SB-07_0-2 _20230201
2		**Cement: 0' to 1' below grade**			Petroleum-like				
3		**Bentonite seal: 1' to 3' below grade** **2" PVC riser: 0' to 5' below grade**	21		ND	DRY	ND	ND	
4		**Sandpack filter: 3' to 15' below grade**			ND				
5					ND				
6		**0.020-inch slotted 2" PVC well screen: 10' to 25' below grade**		Brown SAND, some Concrete, trace Metal, Brick, Silt (FILL).					
7									
8			11		ND	DRY	ND	ND	SB-07_7-9 _20230201
9									
10									SB-07_9-11 _20230201
11				Top 5": Brown SAND, some Peat, Metal, Clay, trace Silt (FILL).		MOIST			
12						WET			
13			29	Bottom 24": CLAY, some Peat, trace Silt.	Organic-like	WET	ND	ND	
14						WET			
15		**End cap: 15' below grade**				WET			

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 6.70 feet below grade in MW-07 on 02/02/2023

Groundwater monitoring well installed to 15 feet below grade.

Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)

Groundwater encountered at approximately 11 feet below grade during soil boring installation.

End of soil boring at 15 feet below grade.

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 WELL INSTALLATION LOG	Former T&J Salvage 2647 Stillwell Avenue, Brooklyn, NY AKRF Project Number: 220241	Groundwater Monitoring Well ID: Sheet 1 of 1	MW-08	Soil Boring ID:	SB-08

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged by:	J. Surich, AKRF

Drilling

Start Time: 12:20 **Finish Time:** 13:05

Date: 02/01/2023

Depth (feet)	Well Construction	Surface Condition: Concrete	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		**Locking J-plug and flush mount cover at grade.**		Top 14": Black SAND, little Gravel, trace Glass, Silt (FILL).			13		SB-08_0-2_20230201
2		**Cement: 0' to 1' below grade**					40		
3		**Bentonite seal: 1' to 3' below grade** **2" PVC riser: 0' to 5' below grade**	27	Bottom 13": Brown SAND, little Gravel, trace Brick, Silt (FILL).	ND	DRY	4	ND	
4		**Sandpack filter: 3' to 15' below grade**					2		
5							4		
6		**0.020-inch slotted 2" PVC well screen: 10' to 25' below grade**		Black SAND, little Gravel, trace Glass, Rubber, Metal, Organics, Silt (FILL).		DRY	ND		
7						DRY	2		SB-08_6-8_20230201
8			33		ND	MOIST	3	ND	
9						WET	ND		
10						WET	ND		
11				Top 20": Black SAND, little Organics, trace Brick, Rubber Silt (FILL).	ND				
12					ND				
13			40	Bottom 20": PEAT, Some Clay, Little Silt.	ND	WET	ND	ND	
14					Organic-like				
15		**End cap: 15' below grade**			Organic-like				

Notes: Groundwater Depth Indicator

Groundwater measured at 7.45 feet below grade in MW-08 on 02/02/2023

Groundwater monitoring well installed to 15 feet below grade.

Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)

Groundwater encountered at approximately 8 feet below grade during soil boring installation.

End of soil boring at 15 feet below grade.

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 WELL INSTALLATION LOG	Former T&J Salvage 2647 Stillwell Avenue, Brooklyn, NY AKRF Project Number: 220241	Groundwater Monitoring Well ID: Sheet 1 of 1	MW-09	Soil Boring ID:	SB-09

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged by:	J. Surich, AKRF

Drilling

Start Time: 11:05 **Finish Time:** 11:45

Date: 02/01/2023

Surface Condition: Concrete

Well Construction:
- **Locking J-plug and flush mount cover at grade.**
- **Cement: 0' to 1' below grade**
- **Bentonite seal: 1' to 3' below grade**
- **2" PVC riser: 0' to 5' below grade**
- **Sandpack filter: 3' to 15' below grade**
- **0.020-inch slotted 2" PVC well screen: 10' to 25' below grade**
- **End cap: 15' below grade**

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	30	Black SAND, some Gravel, trace Metal, Silt (FILL).	Petroleum-like	DRY	10	ND	SB-09_0-2_20230201
2					23		
3					12		
4					16		SB-09_3-5_20230201
5					60		
6	47	Black SAND, some Gravel, trace Glass, Brick, Organics, Silt (FILL)	ND	DRY	ND	ND	SB-09_7-9_20230201
7				DRY			
8				MOIST			
9				MOIST			
10				WET			
11	38	Grey SAND, trace Silt.	ND	WET	ND	ND	
12			ND				
13			ND				
14			Organic-like				
15			Organic-like				

Notes:

Groundwater Depth Indicator

Groundwater measured at 9.31 feet below grade in MW-09 on 02/02/2023

Groundwater monitoring well installed to 15 feet below grade.

Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)

Groundwater encountered at approximately 8 feet below grade during soil boring installation.

End of soil boring at 15 feet below grade.

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 WELL INSTALLATION LOG	Former T&J Salvage 2647 Stillwell Avenue, Brooklyn, NY AKRF Project Number: 220241	Groundwater Monitoring Well ID: Sheet 1 of 1	MW-10	Soil Boring ID:	SB-10

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

Drilling Method:	Sonic	**Drilling**	
Sampling Method:	5' Plastic Sleeves	**Start Time:** 14:05	**Finish Time:** 14:45
Driller:	Eastern		
Weather:	30°F, Cloudy	**Date:** 02/01/2023	
Logged by:	J. Surich, AKRF		

Surface Condition: Concrete

Well Construction:
- **Locking J-plug and flush mount cover at grade.**
- **Cement: 0' to 1' below grade**
- **Bentonite seal: 1' to 3' below grade**
- **2" PVC riser: 0' to 5' below grade**
- **Sandpack filter: 3' to 15' below grade**
- **0.020-inch slotted 2" PVC well screen: 10' to 25' below grade**
- **End cap: 15' below grade**

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	19	Brown SAND, little Gravel, trace Silt (FILL).	ND	DRY	ND	ND	SB-10_0-2 _20230201
5–10	24	Brown SAND, little Gravel, trace Silt (FILL).	ND	DRY DRY DRY DRY MOIST	ND	ND	SB-10_8-10 _20230201
10–15	21	Top 3": Dark brown SAND, trace Silt. Bottom 18": Brown SAND, trace Silt.	ND	WET	ND	ND	

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 9.79 feet below grade in MW-10 on 02/02/2023

Groundwater monitoring well installed to 15 feet below grade.

Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)

Groundwater encountered at approximately 10 feet below grade during soil boring installation.

End of soil boring at 15 feet below grade.

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 LOG

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
AKRF Project Number: 220241

Soil Boring ID: **SB-11**

Sheet 1 of 1

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged By:	J. Sulich, AKRF

Drilling

Start Time: 13:40 **Finish Time:** 14:00

Date: 02/01/20223

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	17	Brown and black SAND, trace Gravel, Fabric, Paper, Silt (FILL).	ND	DRY	ND	ND	SB-11_0-2 _20230201
6 7 8 9 10	14	Brown SAND, trace Gravel, Silt (FILL).	ND	DRY DRY DRY DRY MOIST	ND	ND	SB-11_8-10 _20230201

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)
Groundwater not encountered during soil boring installation.
End of soil boring at 10 feet below ground surface.

PID = photoionization detector ppm = parts per million 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 LOG

Former T&J Salvage **2647 Stillwell Avenue, Brooklyn, NY** **AKRF Project Number: 220241**		**Soil Boring ID:** **Sheet 1 of 1**	**SB-12**

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged By:	J. Sulich, AKRF

Drilling

Start Time: 13:10 **Finish Time:** 13:30

Date: 02/01/2023

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	28	Black SAND, little Concrete, Gravel, Brick, trace Metal, Silt (FILL).	Petroleum-like	DRY	15	ND	SB-12_0-2_20230201
2					20		
3					115		SB-12_2-4_20230201
4					140		
5					50		
6	28	Black SAND, little Gravel, Brick, trace Metal, Silt (FILL).	ND	DRY	1	ND	
7				DRY	3	ND	
8				MOIST	3	Slight sheen	SB-12_7-9_20230201
9				MOIST	3	ND	
10				WET	3	ND	

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)
Groundwater was encountered at approximately 9 feet below ground surface at SB-12.
End of soil boring at 10 feet below ground surface.

PID = photoionization detector ppm = parts per million 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 LOG

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
AKRF Project Number: 220241

Soil Boring ID: **SB-13**
Sheet 1 of 1

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged By:	J. Sulich, AKRF

Drilling
Start Time: 12:00 **Finish Time:** 12:15
Date: 02/01/2023

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	30	Top 5": CONCRETE SLAB.	Petroleum-like	DRY	8	ND	SB-13_0-2_20230201
2		Bottom 25": Black SAND, some Gravel, trace Glass, Metal, Silt (FILL).	Petroleum-like		8		
3			ND		3		
4			ND		3		
5			ND		3		
6	40	Top 15": Brown SAND, little Gravel, trace Silt (FILL).	ND	DRY	ND	ND	SB-13_6-8_20230201
7				DRY	1		
8		Bottom 25": Black SAND, little Gravel, Wood, trace Brick, Ash, Silt (FILL).		MOIST	ND		
9				WET	ND		
10				WET	ND		

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)
Groundwater was encountered at approximately 8 feet below ground surface at SB-13.
End of soil boring at 10 feet below ground surface.

PID = photoionization detector ppm = parts per million 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 LOG

Former T&J Salvage
2647 Stillwell Avenue, Brooklyn, NY
AKRF Project Number: 220241

Soil Boring ID: **SB-14**

Sheet 1 of 1

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

Drilling Method:	Sonic
Sampling Method:	5' Plastic Sleeves
Driller:	Eastern
Weather:	30°F, Cloudy
Logged By:	J. Sulich, AKRF

Drilling

Start Time: 14:55 **Finish Time:** 15:20

Date: 02/01/2023

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	22	Black SAND, some Gravel, trace Concrete, Silt (FILL).	Petroleum-like	DRY	300	ND	SB-14_0-2_20230201
2					300		
3					150		SB-14_2-4_20230201
4					150		
5					50		
6	32	Black SAND, some Gravel, trace Silt, Brick, Glass, Metal (FILL).	ND	DRY	20	ND	SB-14_7-9_20230201
7				DRY	20		
8				MOIST	30		
9				MOIST	30		
10				WET	15		

Notes: Soil samples analyzed for VOCs (8260), SVOCs (8270), TAL Metals (6000/7000 Series)
Groundwater was encountered at approximately 9 feet below ground surface at SB-14.
End of soil boring at 10 feet below ground surface.

PID = photoionization detector ppm = parts per million 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.

ATTACHMENT B
GROUNDWATER SAMPLING LOGS

Well Sampling Log

Job No:	220241	**Client:**	TBE RE Acquisition Co. II LLC	**Well No:**	**MW-07**
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	J. Sulich		
Date:	2/2/2023	**Sampling Time:**	12:50		
LEL at surface:	NA				
PID at surface:	1.2				
Total Depth:	13.39 ft. below top of casing	**Water Column (WC):**	6.69 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	6.70 ft. below top of casing	**Well Volume*:**	1.09 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	3.39 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	13.39 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	10.05 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
12:25	6.70	100	8.75	0.522	8.90	6.33	196	25.2	No odor, no color, no sheen
12:30	6.70	100	8.84	0.533	8.04	6.34	194	19.8	
12:35	6.70	100	9.01	0.523	8.21	6.34	192	1.8	
12:40	6.70	100	9.22	0.505	8.49	6.39	191	0	
12:45	6.70	100	9.40	0.496	8.51	6.39	191	0	
Sampling									
12:55	6.70	100	9.41	0.495	8.52	6.40	190	0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (8260) and SVOCs (8270)

Well Sampling Log

Job No:	220241	**Client:**	TBE RE Acquisition Co. II LLC	**Well No:**	**MW-08**
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	J. Sulich		
Date:	2/2/2023	**Sampling Time:**	14:30		
LEL at surface:	NA				
PID at surface:	3.9				
Total Depth:	14.97 ft. below top of casing	**Water Column (WC):**	7.52 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	7.45 ft. below top of casing	**Well Volume*:**	1.23 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	4.97 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	14.97 ft. below top of casing	**Purging Device (pump type):**			
Approx. Pump Intake:	11.21 ft. below top of casing	Peristaltic Pump			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
14:15	7.45	100	10.43	1.96	5.24	6.42	-87	45.2	No odor, no color, no sheen
14:20	7.45	100	10.45	1.97	5.35	6.41	-90	42.1	
14:25	7.45	100	10.54	1.98	5.53	6.41	-97	40.5	
Sampling									
14:35	7.45	100	10.54	1.99	5.63	6.41	-100	40.5	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (8260) and SVOCs (8270)

Well Sampling Log

Job No:	220241	**Client:**	TBE RE Acquisition Co. II LLC	**Well No:**	**MW-09**
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	J. Sulich		
Date:	2/2/2023	**Sampling Time:**	14:05		
LEL at surface:	NA				
PID at surface:	ND				
Total Depth:	14.50 ft. below top of casing	**Water Column (WC):**	5.19 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	9.31 ft. below top of casing	**Well Volume*:**	0.85 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	4.50 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	14.50 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	11.91 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
13:45	9.31	100	11.31	1.18	5.93	6.26	-137	212	No odor, no color, no sheen
13:50	9.31	100	12.43	1.17	4.54	6.30	-225	45.0	
13:55	9.31	100	12.65	1.18	4.50	6.33	-230	38.0	
14:00	9.31	100	12.77	1.19	4.34	6.35	-235	49.2	
Sampling									
14:10	9.31	100	12.76	1.19	4.21	6.36	-245	45.2	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (8260) and SVOCs (8270)

Well Sampling Log

Job No:	220241	**Client:**	TBE RE Acquisition Co. II LLC	**Well No:**	**MW-10**
Project Location:	2647 Stillwell Avenue, Brooklyn, NY	**Sampled By:**	J. Sulich		
Date:	2/2/2023	**Sampling Time:**	13:35		
LEL at surface:	NA				
PID at surface:	ND				
Total Depth:	13.42 ft. below top of casing	**Water Column (WC):**	3.63 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	9.79 ft. below top of casing	**Well Volume*:**	0.59 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	6 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	3.42 ft. below top of casing	**Well Diam.:**	2 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	13.42 ft. below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	11.61 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
13:05	9.79	100	11.39	2.49	5.26	6.43	-205	839	Slight petroleum-like odor, no color, no sheen
13:10	9.79	100	11.91	2.54	3.01	6.36	-245	607	
13:15	9.79	100	12.37	2.57	4.38	6.41	-342	310	
13:20	9.79	100	12.46	2.57	4.36	6.35	-371	49.1	
13:25	9.79	100	12.33	2.55	4.43	6.29	-374	47.2	
13:30	9.79	100	12.36	2.53	4.45	6.28	-375	40.5	
Sampling									
13:40	9.79	100	12.36	2.54	4.41	6.29	-380	31.2	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs (8260) and SVOCs (8270)

ATTACHMENT C
SOIL VAPOR SAMPLING LOGS

Soil Vapor Sample Log

AKRF Project No:	220241		**Point Installed By:**	Eastern Environmental Solutions, Inc.	
Project Location:	2647 Stillwell Ave, Brooklyn, NY		**Installation Method:**	Sonic Drill Rig	
Client:	TBE RE Acquisition Co. II LLC		**Sampled By:**	J. Sulich	
Date:	2/1/2023		**Weather:**	30°F, Cloudy	
Sample Setup					
Vapor Point Depth:	60	Inches	**Total Time of Purge:**	10 Minutes	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	2.4	ppm
			Helium Concentration:	0	%
Sample Identification					
Soil Vapor Point ID:	SV-07		**SUMMA® Canister ID:**	42996	
Flow Controller ID:	7081		**Soil Vapor Sample ID:**	SV-07_20230201	

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	13:19	-28	ND	
Time Halfway:	14:19	-18	ND	
Time Stopped:	15:30	-4	ND	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-07_20230201 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	220241		**Point Installed By:**	Eastern Environmental Solutions, Inc.	
Project Location:	2647 Stillwell Ave, Brooklyn, NY		**Installation Method:**	Sonic Drill Rig	
Client:	TBE RE Acquisition Co. II LLC		**Sampled By:**	J. Sulich	
Date:	2/1/2023		**Weather:**	30°F, Cloudy	
Sample Setup					
Vapor Point Depth:	60	Inches	**Total Time of Purge:**	10 Minutes	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	3.0	ppm
			Helium Concentration:	0	%
Sample Identification					
Soil Vapor Point ID:	SV-09		**SUMMA® Canister ID:**	23992	
Flow Controller ID:	13568		**Soil Vapor Sample ID:**	SV-09_20230201	

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	13:48	-30	ND	
Time Halfway:	14:48	-19	ND	
Time Stopped:	15:54	-9	ND	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-09_20230201 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	220241		**Point Installed By:**	Eastern Environmental Solutions, Inc.	
Project Location:	2647 Stillwell Ave, Brooklyn, NY		**Installation Method:**	Sonic Drill Rig	
Client:	TBE RE Acquisition Co. II LLC		**Sampled By:**	J. Sulich	
Date:	2/2/2023		**Weather:**	40°F, Sunny	
Sample Setup					
Vapor Point Depth:	60	Inches	**Total Time of Purge:**	10 Minutes	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	4.2	ppm
			Helium Concentration:	0	%
Sample Identification					
Soil Vapor Point ID:	SV-10		**SUMMA® Canister ID:**	37799	
Flow Controller ID:	6869		**Soil Vapor Sample ID:**	SV-10_20230202	

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	10:01	-30	ND	
Time Halfway:	10:46	-21	ND	
Time Stopped:	12:07	-7	ND	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-10_20230202 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

ATTACHMENT D
LABORATORY DATA DELIVERABLES

Technical Report

prepared for:

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

Report Date: 02/06/2023
Client Project ID: 220241 2647 Stillwell Ave.
York Project (SDG) No.: 23B0126

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 02/06/2023
Client Project ID: 220241 2647 Stillwell Ave.
York Project (SDG) No.: 23B0126

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 02, 2023 and listed below. The project was identified as your project: **220241 2647 Stillwell Ave.**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23B0126-01	SV-07_20230201	Soil Vapor	02/01/2023	02/02/2023
23B0126-02	SV-09_20230201	Soil Vapor	02/01/2023	02/02/2023
23B0126-04	SV-10_20230202	Soil Vapor	02/02/2023	02/02/2023

General Notes for York Project (SDG) No.: 23B0126

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 02/06/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: SV-07_20230201 **York Sample ID:** 23B0126-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:30 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.4	3.436	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 19:42	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.9	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.9	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.34	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	2.5	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
95-63-6	**1,2,4-Trimethylbenzene**	**2.0**		ug/m³	1.7	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.1	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.7	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
106-99-0	**1,3-Butadiene**	**4.6**		ug/m³	2.3	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.1	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.6	3.436	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 19:42	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.1	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
123-91-1	1,4-Dioxane	ND		ug/m³	2.5	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
78-93-3	**2-Butanone**	**8.4**		ug/m³	1.0	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC

Sample Information

Client Sample ID: SV-07_20230201 **York Sample ID:** 23B0126-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:30 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	2.8	3.436	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 19:42	AC
107-05-1	3-Chloropropene	ND		ug/m³	5.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.4	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
67-64-1	**Acetone**	**43**		ug/m³	1.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
107-13-1	Acrylonitrile	ND		ug/m³	0.75	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
71-43-2	**Benzene**	**6.3**		ug/m³	1.1	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
100-44-7	Benzyl chloride	ND		ug/m³	1.8	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-27-4	Bromodichloromethane	ND		ug/m³	2.3	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-25-2	Bromoform	ND		ug/m³	3.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
74-83-9	Bromomethane	ND		ug/m³	1.3	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-15-0	**Carbon disulfide**	**32**		ug/m³	1.1	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
56-23-5	Carbon tetrachloride	ND		ug/m³	0.54	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
108-90-7	Chlorobenzene	ND		ug/m³	1.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-00-3	Chloroethane	ND		ug/m³	0.91	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
67-66-3	**Chloroform**	**22**		ug/m³	1.7	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
74-87-3	Chloromethane	ND		ug/m³	0.71	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.34	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.6	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
110-82-7	**Cyclohexane**	**22**		ug/m³	1.2	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
124-48-1	Dibromochloromethane	ND		ug/m³	2.9	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	1.7	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC
141-78-6	* Ethyl acetate	ND		ug/m³	2.5	3.436	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 19:42	AC
100-41-4	**Ethyl Benzene**	**5.2**		ug/m³	1.5	3.436	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 19:42	AC

Sample Information

Client Sample ID: SV-07_20230201 **York Sample ID:** 23B0126-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:30 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.7	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.4**		ug/m³	1.7	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	1.4	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.2	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	2.4	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**61**		ug/m³	1.4	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**110**		ug/m³	1.2	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**4.9**		ug/m³	1.5	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**18**		ug/m³	3.0	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**4.2**		ug/m³	1.7	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:			
115-07-1	*** Propylene**	**95**		ug/m³	0.59	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.5	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**8.6**		ug/m³	2.3	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	2.0	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:			
108-88-3	**Toluene**	**5.7**		ug/m³	1.3	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.4	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.6	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**3.3**		ug/m³	0.46	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.9**		ug/m³	1.9	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.2	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	1.5	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.44	3.436	EPA TO-15	02/02/2023 17:00	02/03/2023 19:42	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV-09_20230201 **York Sample ID:** 23B0126-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:54 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	21	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	17	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	21	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	23	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	17	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
75-34-3	1,1-Dichloroethane	ND		ug/m³	12	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
75-35-4	1,1-Dichloroethylene	ND		ug/m³	3.0	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	23	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	15	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
106-93-4	1,2-Dibromoethane	ND		ug/m³	23	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	18	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
107-06-2	1,2-Dichloroethane	ND		ug/m³	12	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
78-87-5	1,2-Dichloropropane	ND		ug/m³	14	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	21	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	15	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
106-99-0	**1,3-Butadiene**	**120**		ug/m³	20	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	18	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	14	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	18	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
123-91-1	1,4-Dioxane	ND		ug/m³	22	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
78-93-3	**2-Butanone**	**58**		ug/m³	9.0	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
591-78-6	* 2-Hexanone	ND		ug/m³	25	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC

Sample Information

Client Sample ID: SV-09_20230201 **York Sample ID:** 23B0126-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:54 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	48	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	12	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**200**		ug/m³	14	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	6.6	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**580**		ug/m³	9.7	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	16	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	20	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	31	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	12	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**130**		ug/m³	9.5	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	4.8	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	**Chlorobenzene**	**150**		ug/m³	14	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	8.0	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**170**		ug/m³	15	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	6.3	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	3.0	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	14	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**3900**		ug/m³	10	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	26	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**63**		ug/m³	15	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	22	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:			
100-41-4	**Ethyl Benzene**	**48**		ug/m³	13	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m³	32	30.46	EPA TO-15	02/02/2023 17:00	02/03/2023 17:46	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV-09_20230201 **York Sample ID:** 23B0126-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 1, 2023 3:54 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	15	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
80-62-6	Methyl Methacrylate	ND		ug/m³	12	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	11	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
75-09-2	Methylene chloride	ND		ug/m³	21	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
142-82-5	**n-Heptane**	**2400**		ug/m³	12	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
110-54-3	**n-Hexane**	**9700**		ug/m³	29	81.54	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 18:43	AC
95-47-6	**o-Xylene**	**32**		ug/m³	13	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
179601-23-1	**p- & m- Xylenes**	**83**		ug/m³	26	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
622-96-8	* p-Ethyltoluene	ND		ug/m³	15	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC
115-07-1	*** Propylene**	**2200**		ug/m³	5.2	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC
100-42-5	**Styrene**	**44**		ug/m³	13	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
127-18-4	Tetrachloroethylene	ND		ug/m³	21	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
109-99-9	* Tetrahydrofuran	ND		ug/m³	18	30.46	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 17:46	AC
108-88-3	**Toluene**	**150**		ug/m³	11	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	12	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	14	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
79-01-6	Trichloroethylene	ND		ug/m³	4.1	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	17	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
108-05-4	Vinyl acetate	ND		ug/m³	11	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
593-60-2	Vinyl bromide	ND		ug/m³	13	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC
75-01-4	Vinyl Chloride	ND		ug/m³	3.9	30.46	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 17:46	AC

Sample Information

Client Sample ID: SV-10_20230202 **York Sample ID:** 23B0126-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 2, 2023 12:07 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	17.01	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 20:38	AC
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.3	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.3	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.9	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.7	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
120-82-1	1,2,4-Trichlorobenzene	ND	TO-CCV, TO-LCS-L	ug/m³	13	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.4	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.9	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.9	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
108-67-8	**1,3,5-Trimethylbenzene**	**11**		ug/m³	8.4	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
106-99-0	**1,3-Butadiene**	**36**		ug/m³	11	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.9	17.01	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 20:38	AC
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
123-91-1	1,4-Dioxane	ND		ug/m³	12	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
78-93-3	**2-Butanone**	**13**		ug/m³	5.0	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
591-78-6	* 2-Hexanone	ND		ug/m³	14	17.01	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 20:38	AC

Sample Information

Client Sample ID: SV-10_20230202 **York Sample ID:** 23B0126-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 2, 2023 12:07 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	27	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.0	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
67-64-1	**Acetone**	**72**		ug/m³	8.1	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
107-13-1	Acrylonitrile	ND		ug/m³	3.7	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
71-43-2	**Benzene**	**59**		ug/m³	5.4	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
100-44-7	Benzyl chloride	ND		ug/m³	8.8	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-27-4	Bromodichloromethane	ND		ug/m³	11	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-25-2	Bromoform	ND		ug/m³	18	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
74-83-9	Bromomethane	ND		ug/m³	6.6	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-15-0	**Carbon disulfide**	**29**		ug/m³	5.3	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
56-23-5	Carbon tetrachloride	ND		ug/m³	2.7	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
108-90-7	Chlorobenzene	ND		ug/m³	7.8	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-00-3	Chloroethane	ND		ug/m³	4.5	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
67-66-3	**Chloroform**	**13**		ug/m³	8.3	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
74-87-3	Chloromethane	ND		ug/m³	3.5	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.7	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.7	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
110-82-7	**Cyclohexane**	**180**		ug/m³	5.9	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
124-48-1	Dibromochloromethane	ND		ug/m³	14	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
75-71-8	**Dichlorodifluoromethane**	**26**		ug/m³	8.4	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
141-78-6	* Ethyl acetate	ND		ug/m³	12	17.01	EPA TO-15 Certifications:	02/02/2023 17:00	02/03/2023 20:38	AC
100-41-4	**Ethyl Benzene**	**150**		ug/m³	7.4	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	17.01	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	02/02/2023 17:00	02/03/2023 20:38	AC

Sample Information

Client Sample ID: SV-10_20230202 **York Sample ID:** 23B0126-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23B0126	220241 2647 Stillwell Ave.	Soil Vapor	February 2, 2023 12:07 pm	02/02/2023

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	8.4	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	7.0	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	12	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**380**		ug/m³	7.0	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**480**		ug/m³	6.0	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**38**		ug/m³	7.4	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**410**		ug/m³	15	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**47**		ug/m³	8.4	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:			
115-07-1	*** Propylene**	**1100**		ug/m³	2.9	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:			
100-42-5	Styrene	ND		ug/m³	7.2	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	12	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	10	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:			
108-88-3	**Toluene**	**31**		ug/m³	6.4	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.7	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.7	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**3.7**		ug/m³	2.3	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**11**		ug/m³	9.6	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	6.0	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	7.4	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	2.2	17.01	EPA TO-15	02/02/2023 17:00	02/03/2023 20:38	AC
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Analytical Batch Summary

Batch ID: BB30162 **Preparation Method:** EPA TO15 PREP **Prepared By:** AC

YORK Sample ID	Client Sample ID	Preparation Date
23B0126-01	SV-07_20230201	02/02/23
23B0126-02	SV-09_20230201	02/02/23
23B0126-02RE1	SV-09_20230201	02/02/23
23B0126-04	SV-10_20230202	02/02/23
BB30162-BLK1	Blank	02/02/23
BB30162-BS1	LCS	02/02/23
BB30162-DUP1	Duplicate	02/02/23

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30162 - EPA TO15 PREP											
Blank (BB30162-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

Prepared: 02/02/2023 Analyzed: 02/03/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30162 - EPA TO15 PREP											
Blank (BB30162-BLK1)											Prepared: 02/02/2023 Analyzed: 02/03/2023
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BB30162-BS1)											Prepared: 02/02/2023 Analyzed: 02/03/2023
1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0		101	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	8.82		"	10.0		88.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.35		"	10.0		93.5	70-130				
1,1,2-Trichloroethane	9.14		"	10.0		91.4	70-130				
1,1-Dichloroethane	9.34		"	10.0		93.4	70-130				
1,1-Dichloroethylene	8.48		"	10.0		84.8	70-130				
1,2,4-Trichlorobenzene	4.93		"	10.0		49.3	70-130	Low Bias			
1,2,4-Trimethylbenzene	8.55		"	10.0		85.5	70-130				
1,2-Dibromoethane	9.47		"	10.0		94.7	70-130				
1,2-Dichlorobenzene	8.17		"	10.0		81.7	70-130				
1,2-Dichloroethane	9.35		"	10.0		93.5	70-130				
1,2-Dichloropropane	9.21		"	10.0		92.1	70-130				
1,2-Dichlorotetrafluoroethane	8.84		"	10.0		88.4	70-130				
1,3,5-Trimethylbenzene	8.18		"	10.0		81.8	70-130				
1,3-Butadiene	8.52		"	10.0		85.2	70-130				
1,3-Dichlorobenzene	8.60		"	10.0		86.0	70-130				
1,3-Dichloropropane	9.27		"	10.0		92.7	70-130				
1,4-Dichlorobenzene	8.76		"	10.0		87.6	70-130				
1,4-Dioxane	9.22		"	10.0		92.2	70-130				
2-Butanone	9.27		"	10.0		92.7	70-130				
2-Hexanone	9.29		"	10.0		92.9	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	9.00		"	10.0		90.0	70-130				
Acetone	8.07		"	10.0		80.7	70-130				
Acrylonitrile	9.82		"	10.0		98.2	70-130				
Benzene	9.35		"	10.0		93.5	70-130				
Benzyl chloride	8.04		"	10.0		80.4	70-130				
Bromodichloromethane	10.1		"	10.0		101	70-130				
Bromoform	10.8		"	10.0		108	70-130				
Bromomethane	8.38		"	10.0		83.8	70-130				
Carbon disulfide	9.61		"	10.0		96.1	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30162 - EPA TO15 PREP											
LCS (BB30162-BS1)									Prepared: 02/02/2023 Analyzed: 02/03/2023		
Carbon tetrachloride	11.7		ppbv	10.0		117	70-130				
Chlorobenzene	8.96		"	10.0		89.6	70-130				
Chloroethane	8.65		"	10.0		86.5	70-130				
Chloroform	9.84		"	10.0		98.4	70-130				
Chloromethane	8.02		"	10.0		80.2	70-130				
cis-1,2-Dichloroethylene	8.34		"	10.0		83.4	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.1		"	10.0		101	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	8.88		"	10.0		88.8	70-130				
Ethyl acetate	9.77		"	10.0		97.7	70-130				
Ethyl Benzene	9.26		"	10.0		92.6	70-130				
Hexachlorobutadiene	7.87		"	10.0		78.7	70-130				
Isopropanol	9.16		"	10.0		91.6	70-130				
Methyl Methacrylate	9.66		"	10.0		96.6	70-130				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	70-130				
Methylene chloride	9.70		"	10.0		97.0	70-130				
n-Heptane	10.4		"	10.0		104	70-130				
n-Hexane	10.1		"	10.0		101	70-130				
o-Xylene	9.51		"	10.0		95.1	70-130				
p- & m- Xylenes	18.6		"	20.0		92.8	70-130				
p-Ethyltoluene	8.56		"	10.0		85.6	70-130				
Propylene	8.58		"	10.0		85.8	70-130				
Styrene	9.70		"	10.0		97.0	70-130				
Tetrachloroethylene	9.24		"	10.0		92.4	70-130				
Tetrahydrofuran	9.68		"	10.0		96.8	70-130				
Toluene	9.12		"	10.0		91.2	70-130				
trans-1,2-Dichloroethylene	9.65		"	10.0		96.5	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	8.74		"	10.0		87.4	70-130				
Trichlorofluoromethane (Freon 11)	9.41		"	10.0		94.1	70-130				
Vinyl acetate	10.4		"	10.0		104	70-130				
Vinyl bromide	10.1		"	10.0		101	70-130				
Vinyl Chloride	7.34		"	10.0		73.4	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Batch BB30162 - EPA TO15 PREP

Duplicate (BB30162-DUP1) *Source sample: 23A1250-01 (Duplicate) Prepared: 02/02/2023 Analyzed: 02/04/2023

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	1.0	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.81	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.9	1.1	"		1.9				0.00	25	
1,1,2-Trichloroethane	ND	0.81	"		ND					25	
1,1-Dichloroethane	ND	0.60	"		ND					25	
1,1-Dichloroethylene	ND	0.15	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.73	"		ND					25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.89	"		ND					25	
1,2-Dichloroethane	ND	0.60	"		ND					25	
1,2-Dichloropropane	ND	0.68	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.0	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.73	"		ND					25	
1,3-Butadiene	ND	0.98	"		ND					25	
1,3-Dichlorobenzene	ND	0.89	"		ND					25	
1,3-Dichloropropane	ND	0.68	"		ND					25	
1,4-Dichlorobenzene	ND	0.89	"		ND					25	
1,4-Dioxane	ND	1.1	"		ND					25	
2-Butanone	79	0.44	"		79				0.275	25	
2-Hexanone	ND	1.2	"		ND					25	
3-Chloropropene	ND	2.3	"		ND					25	
4-Methyl-2-pentanone	ND	0.61	"		ND					25	
Acetone	71	0.70	"		72				2.15	25	
Acrylonitrile	ND	0.32	"		ND					25	
Benzene	1.9	0.47	"		1.9				2.47	25	
Benzyl chloride	ND	0.76	"		ND					25	
Bromodichloromethane	ND	0.99	"		ND					25	
Bromoform	ND	1.5	"		ND					25	
Bromomethane	ND	0.57	"		ND					25	
Carbon disulfide	ND	0.46	"		0.55					25	
Carbon tetrachloride	0.28	0.23	"		0.28				0.00	25	
Chlorobenzene	ND	0.68	"		ND					25	
Chloroethane	ND	0.39	"		ND					25	
Chloroform	17	0.72	"		17				0.430	25	
Chloromethane	1.1	0.31	"		0.98				8.96	25	
cis-1,2-Dichloroethylene	ND	0.15	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.67	"		ND					25	
Cyclohexane	6.3	0.51	"		6.6				5.53	25	
Dibromochloromethane	ND	1.3	"		ND					25	
Dichlorodifluoromethane	2.1	0.73	"		2.1				0.00	25	
Ethyl acetate	ND	1.1	"		ND					25	
Ethyl Benzene	0.77	0.64	"		0.83				8.00	25	
Hexachlorobutadiene	ND	1.6	"		ND					25	
Isopropanol	29	0.73	"		29				2.26	25	
Methyl Methacrylate	ND	0.60	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.53	"		ND					25	
Methylene chloride	150	1.0	"		150				0.832	25	
n-Heptane	1.3	0.61	"		1.3				4.65	25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB30162 - EPA TO15 PREP											
Duplicate (BB30162-DUP1)	*Source sample: 23A1250-01 (Duplicate)								Prepared: 02/02/2023 Analyzed: 02/04/2023		
n-Hexane	80	0.52	ug/m³		81				1.88	25	
o-Xylene	0.83	0.64	"		0.90				7.41	25	
p- & m- Xylenes	2.3	1.3	"		2.5				8.00	25	
p-Ethyltoluene	ND	0.73	"		ND					25	
Propylene	4.1	0.25	"		3.9				4.47	25	
Styrene	ND	0.63	"		ND					25	
Tetrachloroethylene	23	1.0	"		24				6.87	25	
Tetrahydrofuran	32	0.87	"		32				0.134	25	
Toluene	6.0	0.56	"		6.4				7.21	25	
trans-1,2-Dichloroethylene	1.0	0.59	"		1.2				16.2	25	
trans-1,3-Dichloropropylene	ND	0.67	"		ND					25	
Trichloroethylene	10	0.20	"		10				0.766	25	
Trichlorofluoromethane (Freon 11)	1.5	0.83	"		1.6				5.41	25	
Vinyl acetate	ND	0.52	"		ND					25	
Vinyl bromide	ND	0.65	"		ND					25	
Vinyl Chloride	ND	0.19	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Corrective Action: Sample SV-08 was requested to be held by the client. The flow controller was found to contain water and the canister was at full vacuum. As a result, the sample was cancelled.

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Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23B0126

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: ARP	Company: ABOSCO@ARPF.com JSULLIVAN@ARPF.com	Company: ARP	223241	RUSH - Next Day
Address:	Address:	Address: ABOSCO@ARP.com JSULLIVAN@ARP.com	YOUR Project Name: 2647 STILLWELL AVE	RUSH - Two Day X
Phone.:	Phone.:	Phone.:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

JOHN SULLIVAN

Samples Collected by: (print your name above and sign below)

Air Matrix Codes
AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report; CT RCP; Standard Excel EDD
QA Report; CT RCP DQA/DUE; EQuIS (Standard)
NY ASP A Package; NJDEP Reduced Deliv.; NYSDEC EQuIS
NY ASP B Package; NJDKQP; NJDEP SRP HazSite
Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV-08-20230201	2/1/23 1530	SOIL VAPOR	-28	-4	42996	7081	"07" TO-15
SV-09-20230201	2/1/23 1554	↓	-30	-9	23992	13508	"09"
SV-02-20230202	2/2/23 1131	↓	-30	-30	43006	6267	MR MOISTURE? ↓
SV-10-20230202	2/2/23 1207	↓	-30	-7	37799	6269	
		"					

Comments:

Detection Limits Required
≤ 1 ug/m³ ____ NYSDEC V1 Limits ____
Routine Survey ____ Other ____

Sampling Media
6 Liter Canister
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
ARP	2/2/23		2/2/23 1230		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				alaina Cambo	2/2/23 16:20

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/7/2023 12:09 PM

JOB DESCRIPTION

2647 Stillwell

JOB NUMBER

460-273970-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

myEOL

Eurofins Edison

Job Notes

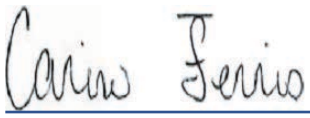
The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Edison and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Edison Project Manager or designee who has signed this report.

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

Compliance Statement

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

Authorization



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CASE NARRATIVE

Client: AKRF Inc

Project: 2647 Stillwell

Report Number: 460-273970-1

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 2/2/2023 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. SVOC SIM was not requested but is required per the client.

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 MW-07_20230202 (460-273970-1), MW-10_20230202 (460-273970-2), MW-09_20230202 (460-273970-3) and MW-08_20230202 (460-273970-4) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 02/06/2023.

The continuing calibration verification (CCV) analyzed in batch 460-891570 was outside the method criteria for the following analyte: Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-07_20230202 (460-273970-1), MW-10_20230202 (460-273970-2), MW-09_20230202 (460-273970-3) and MW-08_20230202 (460-273970-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 02/03/2023 and analyzed on 02/05/2023.

The continuing calibration verification (CCV) analyzed in batch 460-891390 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, Benzaldehyde and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-891527 was outside the method criteria for the following analyte(s): 3,3'-Dichlorobenzidine and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE

Samples MW-07_20230202 (460-273970-1), MW-10_20230202 (460-273970-2), MW-09_20230202 (460-273970-3) and MW-08_20230202 (460-273970-4) were analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 02/04/2023 and analyzed on 02/05/2023.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: AKRF Inc
Job ID: 460-273970-1
Project/Site: 2647 Stillwell

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-273970-1	MW-07_20230202	Water	02/02/23 12:50	02/02/23 19:00
460-273970-2	MW-10_20230202	Water	02/02/23 13:35	02/02/23 19:00
460-273970-3	MW-09_20230202	Water	02/02/23 14:05	02/02/23 19:00
460-273970-4	MW-08_20230202	Water	02/02/23 14:30	02/02/23 19:00

Detection Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell

Job ID: 460-273970-1

Client Sample ID: MW-07_20230202 — Lab Sample ID: 460-273970-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	7.6		1.0	0.33	ug/L	1		8260D	Total/NA
Dichlorobromomethane	0.71	J	1.0	0.34	ug/L	1		8260D	Total/NA
Naphthalene	2.4		2.0	0.54	ug/L	1		8270E	Total/NA

Client Sample ID: MW-10_20230202 — Lab Sample ID: 460-273970-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.7		1.0	0.22	ug/L	1		8260D	Total/NA
Naphthalene	0.59	J	2.0	0.54	ug/L	1		8270E	Total/NA

Client Sample ID: MW-09_20230202 — Lab Sample ID: 460-273970-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	5.0	4.4	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	7.1		1.0	0.22	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.97		0.20	0.072	ug/L	1		8270E SIM ID	Total/NA
2-Methylnaphthalene	0.87	J	10	0.53	ug/L	1		8270E	Total/NA

Client Sample ID: MW-08_20230202 — Lab Sample ID: 460-273970-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.0		1.0	0.37	ug/L	1		8260D	Total/NA
1,3,5-Trimethylbenzene	1.4		1.0	0.33	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	65		5.0	1.9	ug/L	1		8260D	Total/NA
2-Hexanone	1.7	J	5.0	1.1	ug/L	1		8260D	Total/NA
Acetone	70		5.0	4.4	ug/L	1		8260D	Total/NA
Benzene	11		1.0	0.20	ug/L	1		8260D	Total/NA
Cyclohexane	0.89	J	1.0	0.32	ug/L	1		8260D	Total/NA
Ethylbenzene	0.69	J	1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	3.8		1.0	0.22	ug/L	1		8260D	Total/NA
Methylcyclohexane	0.89	J	1.0	0.71	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	12		1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	0.47	J	1.0	0.36	ug/L	1		8260D	Total/NA
Toluene	0.94	J	1.0	0.38	ug/L	1		8260D	Total/NA
Xylenes, Total	12		2.0	0.65	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.88		0.20	0.072	ug/L	1		8270E SIM ID	Total/NA
3 & 4 Methylphenol	0.92	J	10	0.64	ug/L	1		8270E	Total/NA
4-Methylphenol	0.92	J	10	0.65	ug/L	1		8270E	Total/NA
Naphthalene	0.65	J	2.0	0.54	ug/L	1		8270E	Total/NA
Phenol	0.55	J	10	0.29	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AKRF Inc
Job ID: 460-273970-1
Project/Site: 2647 Stillwell

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	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: MW-07_20230202
Lab Sample ID: 460-273970-1

Date Collected: 02/02/23 12:50
Matrix: Water

Date Received: 02/02/23 19:00

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			02/06/23 10:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/06/23 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/06/23 10:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/06/23 10:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/06/23 10:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/06/23 10:12	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/06/23 10:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/06/23 10:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/06/23 10:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/06/23 10:12	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/06/23 10:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/06/23 10:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/06/23 10:12	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/06/23 10:12	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/06/23 10:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/06/23 10:12	1
Acetone	5.0	U	5.0	4.4	ug/L			02/06/23 10:12	1
Benzene	1.0	U	1.0	0.20	ug/L			02/06/23 10:12	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/06/23 10:12	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/06/23 10:12	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/06/23 10:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/06/23 10:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/06/23 10:12	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/06/23 10:12	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/06/23 10:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
Chloroform	**7.6**		1.0	0.33	ug/L			02/06/23 10:12	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/06/23 10:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/06/23 10:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 10:12	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
Dichlorobromomethane	**0.71**	**J**	1.0	0.34	ug/L			02/06/23 10:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/06/23 10:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/06/23 10:12	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/06/23 10:12	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:12	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/06/23 10:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/06/23 10:12	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/06/23 10:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/06/23 10:12	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/06/23 10:12	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:12	1
Styrene	1.0	U	1.0	0.42	ug/L			02/06/23 10:12	1

Client Sample ID: MW-07_20230202
Lab Sample ID: 460-273970-1

Date Collected: 02/02/23 12:50
Matrix: Water

Date Received: 02/02/23 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:12	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/06/23 10:12	1
Toluene	1.0	U	1.0	0.38	ug/L			02/06/23 10:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/06/23 10:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 10:12	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/06/23 10:12	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/06/23 10:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/06/23 10:12	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/06/23 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*		*02/06/23 10:12*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*02/06/23 10:12*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*02/06/23 10:12*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/06/23 10:12*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		02/04/23 11:51	02/05/23 17:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*10 - 150*	*02/04/23 11:51*	*02/05/23 17:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 19:55	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		02/03/23 08:50	02/05/23 19:55	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Chlorophenol	10	U	10	0.38	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Methylphenol	10	U	10	0.67	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Nitroaniline	10	U	10	0.47	ug/L		02/03/23 08:50	02/05/23 19:55	1
2-Nitrophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 19:55	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		02/03/23 08:50	02/05/23 19:55	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		02/03/23 08:50	02/05/23 19:55	1
3-Nitroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 19:55	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Chloroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Methylphenol	10	U	10	0.65	ug/L		02/03/23 08:50	02/05/23 19:55	1

Client Sample ID: MW-07_20230202
Lab Sample ID: 460-273970-1

Date Collected: 02/02/23 12:50
Matrix: Water

Date Received: 02/02/23 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 19:55	1
4-Nitrophenol	20	U	20	4.0	ug/L		02/03/23 08:50	02/05/23 19:55	1
Acenaphthene	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 19:55	1
Acenaphthylene	10	U	10	0.82	ug/L		02/03/23 08:50	02/05/23 19:55	1
Acetophenone	10	U	10	2.3	ug/L		02/03/23 08:50	02/05/23 19:55	1
Anthracene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 19:55	1
Atrazine	2.0	U	2.0	1.3	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzaldehyde	10	U	10	2.1	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		02/03/23 08:50	02/05/23 19:55	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		02/03/23 08:50	02/05/23 19:55	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		02/03/23 08:50	02/05/23 19:55	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		02/03/23 08:50	02/05/23 19:55	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 19:55	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		02/03/23 08:50	02/05/23 19:55	1
Caprolactam	10	U	10	2.2	ug/L		02/03/23 08:50	02/05/23 19:55	1
Carbazole	10	U	10	0.68	ug/L		02/03/23 08:50	02/05/23 19:55	1
Chrysene	2.0	U	2.0	0.91	ug/L		02/03/23 08:50	02/05/23 19:55	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		02/03/23 08:50	02/05/23 19:55	1
Dibenzofuran	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 19:55	1
Diethyl phthalate	10	U	10	0.98	ug/L		02/03/23 08:50	02/05/23 19:55	1
Dimethyl phthalate	10	U	10	0.77	ug/L		02/03/23 08:50	02/05/23 19:55	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 19:55	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 19:55	1
Fluoranthene	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 19:55	1
Fluorene	10	U	10	0.91	ug/L		02/03/23 08:50	02/05/23 19:55	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		02/03/23 08:50	02/05/23 19:55	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		02/03/23 08:50	02/05/23 19:55	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		02/03/23 08:50	02/05/23 19:55	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 19:55	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		02/03/23 08:50	02/05/23 19:55	1
Isophorone	10	U	10	0.80	ug/L		02/03/23 08:50	02/05/23 19:55	1
Naphthalene	**2.4**		2.0	0.54	ug/L		02/03/23 08:50	02/05/23 19:55	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		02/03/23 08:50	02/05/23 19:55	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		02/03/23 08:50	02/05/23 19:55	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		02/03/23 08:50	02/05/23 19:55	1
Pentachlorophenol	20	U	20	1.4	ug/L		02/03/23 08:50	02/05/23 19:55	1
Phenanthrene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 19:55	1
Phenol	10	U	10	0.29	ug/L		02/03/23 08:50	02/05/23 19:55	1
Pyrene	10	U	10	1.6	ug/L		02/03/23 08:50	02/05/23 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*37 - 150*	*02/03/23 08:50*	*02/05/23 19:55*	*1*
2-Fluorobiphenyl	*72*		*46 - 139*	*02/03/23 08:50*	*02/05/23 19:55*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 80*	*02/03/23 08:50*	*02/05/23 19:55*	*1*
Nitrobenzene-d5 (Surr)	*80*		*52 - 137*	*02/03/23 08:50*	*02/05/23 19:55*	*1*
Phenol-d5 (Surr)	*29*		*10 - 56*	*02/03/23 08:50*	*02/05/23 19:55*	*1*
Terphenyl-d14 (Surr)	*78*		*22 - 150*	*02/03/23 08:50*	*02/05/23 19:55*	*1*

Client Sample ID: MW-10_20230202
Lab Sample ID: 460-273970-2

Date Collected: 02/02/23 13:35
Matrix: Water

Date Received: 02/02/23 19:00

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			02/06/23 10:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/06/23 10:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/06/23 10:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/06/23 10:37	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/06/23 10:37	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/06/23 10:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/06/23 10:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/06/23 10:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/06/23 10:37	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/06/23 10:37	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/06/23 10:37	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/06/23 10:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/06/23 10:37	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/06/23 10:37	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/06/23 10:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/06/23 10:37	1
Acetone	5.0	U	5.0	4.4	ug/L			02/06/23 10:37	1
Benzene	1.0	U	1.0	0.20	ug/L			02/06/23 10:37	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/06/23 10:37	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/06/23 10:37	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/06/23 10:37	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/06/23 10:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/06/23 10:37	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/06/23 10:37	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/06/23 10:37	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/06/23 10:37	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/06/23 10:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/06/23 10:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 10:37	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/06/23 10:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/06/23 10:37	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/06/23 10:37	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/06/23 10:37	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:37	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/06/23 10:37	1
Methyl tert-butyl ether	**2.7**		1.0	0.22	ug/L			02/06/23 10:37	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/06/23 10:37	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/06/23 10:37	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/06/23 10:37	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 10:37	1
Styrene	1.0	U	1.0	0.42	ug/L			02/06/23 10:37	1

Client Sample ID: MW-10_20230202
Lab Sample ID: 460-273970-2

Date Collected: 02/02/23 13:35
Matrix: Water

Date Received: 02/02/23 19:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 10:37	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/06/23 10:37	1
Toluene	1.0	U	1.0	0.38	ug/L			02/06/23 10:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/06/23 10:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 10:37	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/06/23 10:37	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/06/23 10:37	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/06/23 10:37	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/06/23 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 128*		*02/06/23 10:37*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*02/06/23 10:37*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*02/06/23 10:37*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*02/06/23 10:37*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		02/04/23 11:51	02/05/23 17:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*67*		*10 - 150*	*02/04/23 11:51*	*02/05/23 17:34*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:17	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		02/03/23 08:50	02/05/23 20:17	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Chlorophenol	10	U	10	0.38	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Methylphenol	10	U	10	0.67	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Nitroaniline	10	U	10	0.47	ug/L		02/03/23 08:50	02/05/23 20:17	1
2-Nitrophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:17	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		02/03/23 08:50	02/05/23 20:17	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		02/03/23 08:50	02/05/23 20:17	1
3-Nitroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 20:17	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Chloroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Methylphenol	10	U	10	0.65	ug/L		02/03/23 08:50	02/05/23 20:17	1

Client Sample ID: MW-10_20230202
Lab Sample ID: 460-273970-2

Date Collected: 02/02/23 13:35
Matrix: Water

Date Received: 02/02/23 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:17	1
4-Nitrophenol	20	U	20	4.0	ug/L		02/03/23 08:50	02/05/23 20:17	1
Acenaphthene	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:17	1
Acenaphthylene	10	U	10	0.82	ug/L		02/03/23 08:50	02/05/23 20:17	1
Acetophenone	10	U	10	2.3	ug/L		02/03/23 08:50	02/05/23 20:17	1
Anthracene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:17	1
Atrazine	2.0	U	2.0	1.3	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzaldehyde	10	U	10	2.1	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		02/03/23 08:50	02/05/23 20:17	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		02/03/23 08:50	02/05/23 20:17	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		02/03/23 08:50	02/05/23 20:17	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		02/03/23 08:50	02/05/23 20:17	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 20:17	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		02/03/23 08:50	02/05/23 20:17	1
Caprolactam	10	U	10	2.2	ug/L		02/03/23 08:50	02/05/23 20:17	1
Carbazole	10	U	10	0.68	ug/L		02/03/23 08:50	02/05/23 20:17	1
Chrysene	2.0	U	2.0	0.91	ug/L		02/03/23 08:50	02/05/23 20:17	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		02/03/23 08:50	02/05/23 20:17	1
Dibenzofuran	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:17	1
Diethyl phthalate	10	U	10	0.98	ug/L		02/03/23 08:50	02/05/23 20:17	1
Dimethyl phthalate	10	U	10	0.77	ug/L		02/03/23 08:50	02/05/23 20:17	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 20:17	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:17	1
Fluoranthene	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 20:17	1
Fluorene	10	U	10	0.91	ug/L		02/03/23 08:50	02/05/23 20:17	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		02/03/23 08:50	02/05/23 20:17	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		02/03/23 08:50	02/05/23 20:17	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		02/03/23 08:50	02/05/23 20:17	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 20:17	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		02/03/23 08:50	02/05/23 20:17	1
Isophorone	10	U	10	0.80	ug/L		02/03/23 08:50	02/05/23 20:17	1
Naphthalene	**0.59**	**J**	2.0	0.54	ug/L		02/03/23 08:50	02/05/23 20:17	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		02/03/23 08:50	02/05/23 20:17	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		02/03/23 08:50	02/05/23 20:17	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		02/03/23 08:50	02/05/23 20:17	1
Pentachlorophenol	20	U	20	1.4	ug/L		02/03/23 08:50	02/05/23 20:17	1
Phenanthrene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:17	1
Phenol	10	U	10	0.29	ug/L		02/03/23 08:50	02/05/23 20:17	1
Pyrene	10	U	10	1.6	ug/L		02/03/23 08:50	02/05/23 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*37 - 150*	*02/03/23 08:50*	*02/05/23 20:17*	*1*
2-Fluorobiphenyl	*74*		*46 - 139*	*02/03/23 08:50*	*02/05/23 20:17*	*1*
2-Fluorophenol (Surr)	*48*		*19 - 80*	*02/03/23 08:50*	*02/05/23 20:17*	*1*
Nitrobenzene-d5 (Surr)	*85*		*52 - 137*	*02/03/23 08:50*	*02/05/23 20:17*	*1*
Phenol-d5 (Surr)	*31*		*10 - 56*	*02/03/23 08:50*	*02/05/23 20:17*	*1*
Terphenyl-d14 (Surr)	*53*		*22 - 150*	*02/03/23 08:50*	*02/05/23 20:17*	*1*

Client Sample ID: MW-09_20230202
Lab Sample ID: 460-273970-3

Date Collected: 02/02/23 14:05
Matrix: Water

Date Received: 02/02/23 19:00

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			02/06/23 11:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/06/23 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/06/23 11:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/06/23 11:02	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/06/23 11:02	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/06/23 11:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/06/23 11:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/06/23 11:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 11:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/06/23 11:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/06/23 11:02	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/06/23 11:02	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/06/23 11:02	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/06/23 11:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/06/23 11:02	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/06/23 11:02	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/06/23 11:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/06/23 11:02	1
Acetone	**4.6**	**J**	5.0	4.4	ug/L			02/06/23 11:02	1
Benzene	1.0	U	1.0	0.20	ug/L			02/06/23 11:02	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/06/23 11:02	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/06/23 11:02	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/06/23 11:02	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/06/23 11:02	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/06/23 11:02	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/06/23 11:02	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/06/23 11:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/06/23 11:02	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/06/23 11:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/06/23 11:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 11:02	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/06/23 11:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/06/23 11:02	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/06/23 11:02	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/06/23 11:02	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:02	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/06/23 11:02	1
Methyl tert-butyl ether	**7.1**		1.0	0.22	ug/L			02/06/23 11:02	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/06/23 11:02	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/06/23 11:02	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/06/23 11:02	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 11:02	1
Styrene	1.0	U	1.0	0.42	ug/L			02/06/23 11:02	1

Client Sample ID: MW-09_20230202

Date Collected: 02/02/23 14:05
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:02	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/06/23 11:02	1
Toluene	1.0	U	1.0	0.38	ug/L			02/06/23 11:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/06/23 11:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 11:02	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/06/23 11:02	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/06/23 11:02	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/06/23 11:02	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/06/23 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 128*		*02/06/23 11:02*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*02/06/23 11:02*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*02/06/23 11:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/06/23 11:02*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.97**		0.20	0.072	ug/L		02/04/23 11:51	02/05/23 17:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*31*		*10 - 150*	*02/04/23 11:51*	*02/05/23 17:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:38	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		02/03/23 08:50	02/05/23 20:38	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Chlorophenol	10	U	10	0.38	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Methylnaphthalene	**0.87**	**J**	10	0.53	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Methylphenol	10	U	10	0.67	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Nitroaniline	10	U	10	0.47	ug/L		02/03/23 08:50	02/05/23 20:38	1
2-Nitrophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:38	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		02/03/23 08:50	02/05/23 20:38	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		02/03/23 08:50	02/05/23 20:38	1
3-Nitroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 20:38	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Chloroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Methylphenol	10	U	10	0.65	ug/L		02/03/23 08:50	02/05/23 20:38	1

Client Sample ID: MW-09_20230202
Lab Sample ID: 460-273970-3

Date Collected: 02/02/23 14:05
Matrix: Water

Date Received: 02/02/23 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 20:38	1
4-Nitrophenol	20	U	20	4.0	ug/L		02/03/23 08:50	02/05/23 20:38	1
Acenaphthene	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:38	1
Acenaphthylene	10	U	10	0.82	ug/L		02/03/23 08:50	02/05/23 20:38	1
Acetophenone	10	U	10	2.3	ug/L		02/03/23 08:50	02/05/23 20:38	1
Anthracene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:38	1
Atrazine	2.0	U	2.0	1.3	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzaldehyde	10	U	10	2.1	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		02/03/23 08:50	02/05/23 20:38	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		02/03/23 08:50	02/05/23 20:38	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		02/03/23 08:50	02/05/23 20:38	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		02/03/23 08:50	02/05/23 20:38	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 20:38	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		02/03/23 08:50	02/05/23 20:38	1
Caprolactam	10	U	10	2.2	ug/L		02/03/23 08:50	02/05/23 20:38	1
Carbazole	10	U	10	0.68	ug/L		02/03/23 08:50	02/05/23 20:38	1
Chrysene	2.0	U	2.0	0.91	ug/L		02/03/23 08:50	02/05/23 20:38	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		02/03/23 08:50	02/05/23 20:38	1
Dibenzofuran	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 20:38	1
Diethyl phthalate	10	U	10	0.98	ug/L		02/03/23 08:50	02/05/23 20:38	1
Dimethyl phthalate	10	U	10	0.77	ug/L		02/03/23 08:50	02/05/23 20:38	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 20:38	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 20:38	1
Fluoranthene	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 20:38	1
Fluorene	10	U	10	0.91	ug/L		02/03/23 08:50	02/05/23 20:38	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		02/03/23 08:50	02/05/23 20:38	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		02/03/23 08:50	02/05/23 20:38	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		02/03/23 08:50	02/05/23 20:38	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 20:38	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		02/03/23 08:50	02/05/23 20:38	1
Isophorone	10	U	10	0.80	ug/L		02/03/23 08:50	02/05/23 20:38	1
Naphthalene	2.0	U	2.0	0.54	ug/L		02/03/23 08:50	02/05/23 20:38	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		02/03/23 08:50	02/05/23 20:38	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		02/03/23 08:50	02/05/23 20:38	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		02/03/23 08:50	02/05/23 20:38	1
Pentachlorophenol	20	U	20	1.4	ug/L		02/03/23 08:50	02/05/23 20:38	1
Phenanthrene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 20:38	1
Phenol	10	U	10	0.29	ug/L		02/03/23 08:50	02/05/23 20:38	1
Pyrene	10	U	10	1.6	ug/L		02/03/23 08:50	02/05/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*37 - 150*	*02/03/23 08:50*	*02/05/23 20:38*	*1*
2-Fluorobiphenyl	*69*		*46 - 139*	*02/03/23 08:50*	*02/05/23 20:38*	*1*
2-Fluorophenol (Surr)	*41*		*19 - 80*	*02/03/23 08:50*	*02/05/23 20:38*	*1*
Nitrobenzene-d5 (Surr)	*80*		*52 - 137*	*02/03/23 08:50*	*02/05/23 20:38*	*1*
Phenol-d5 (Surr)	*25*		*10 - 56*	*02/03/23 08:50*	*02/05/23 20:38*	*1*
Terphenyl-d14 (Surr)	*43*		*22 - 150*	*02/03/23 08:50*	*02/05/23 20:38*	*1*

Client Sample ID: MW-08_20230202
Lab Sample ID: 460-273970-4

Date Collected: 02/02/23 14:30
Matrix: Water

Date Received: 02/02/23 19:00

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			02/06/23 11:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/06/23 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/06/23 11:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/06/23 11:27	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/06/23 11:27	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/06/23 11:27	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/06/23 11:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/06/23 11:27	1
1,2,4-Trimethylbenzene	**3.0**		1.0	0.37	ug/L			02/06/23 11:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/06/23 11:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/06/23 11:27	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/06/23 11:27	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/06/23 11:27	1
1,3,5-Trimethylbenzene	**1.4**		1.0	0.33	ug/L			02/06/23 11:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/06/23 11:27	1
2-Butanone (MEK)	**65**		5.0	1.9	ug/L			02/06/23 11:27	1
2-Hexanone	**1.7**	**J**	5.0	1.1	ug/L			02/06/23 11:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/06/23 11:27	1
Acetone	**70**		5.0	4.4	ug/L			02/06/23 11:27	1
Benzene	**11**		1.0	0.20	ug/L			02/06/23 11:27	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/06/23 11:27	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/06/23 11:27	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/06/23 11:27	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/06/23 11:27	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/06/23 11:27	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/06/23 11:27	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/06/23 11:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/06/23 11:27	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/06/23 11:27	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/06/23 11:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/06/23 11:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 11:27	1
Cyclohexane	**0.89**	**J**	1.0	0.32	ug/L			02/06/23 11:27	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/06/23 11:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/06/23 11:27	1
Ethylbenzene	**0.69**	**J**	1.0	0.30	ug/L			02/06/23 11:27	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/06/23 11:27	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:27	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/06/23 11:27	1
Methyl tert-butyl ether	**3.8**		1.0	0.22	ug/L			02/06/23 11:27	1
Methylcyclohexane	**0.89**	**J**	1.0	0.71	ug/L			02/06/23 11:27	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/06/23 11:27	1
m-Xylene & p-Xylene	**12**		1.0	0.30	ug/L			02/06/23 11:27	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 11:27	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 11:27	1
o-Xylene	**0.47**	**J**	1.0	0.36	ug/L			02/06/23 11:27	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 11:27	1
Styrene	1.0	U	1.0	0.42	ug/L			02/06/23 11:27	1

Client Sample ID: MW-08_20230202

Date Collected: 02/02/23 14:30
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 11:27	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/06/23 11:27	1
Toluene	**0.94**	**J**	1.0	0.38	ug/L			02/06/23 11:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/06/23 11:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 11:27	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/06/23 11:27	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/06/23 11:27	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/06/23 11:27	1
Xylenes, Total	**12**		2.0	0.65	ug/L			02/06/23 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 128*		*02/06/23 11:27*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*02/06/23 11:27*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*02/06/23 11:27*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/06/23 11:27*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.88**		0.20	0.072	ug/L		02/04/23 11:51	02/05/23 18:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*10 - 150*	*02/04/23 11:51*	*02/05/23 18:05*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 22:05	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		02/03/23 08:50	02/05/23 22:05	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Chlorophenol	10	U	10	0.38	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Methylphenol	10	U	10	0.67	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Nitroaniline	10	U	10	0.47	ug/L		02/03/23 08:50	02/05/23 22:05	1
2-Nitrophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 22:05	1
3 & 4 Methylphenol	**0.92**	**J**	10	0.64	ug/L		02/03/23 08:50	02/05/23 22:05	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		02/03/23 08:50	02/05/23 22:05	1
3-Nitroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 22:05	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Chloroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Methylphenol	**0.92**	**J**	10	0.65	ug/L		02/03/23 08:50	02/05/23 22:05	1

Client Sample ID: MW-08_20230202
Lab Sample ID: 460-273970-4

Date Collected: 02/02/23 14:30
Matrix: Water

Date Received: 02/02/23 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	1.2	ug/L		02/03/23 08:50	02/05/23 22:05	1
4-Nitrophenol	20	U	20	4.0	ug/L		02/03/23 08:50	02/05/23 22:05	1
Acenaphthene	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 22:05	1
Acenaphthylene	10	U	10	0.82	ug/L		02/03/23 08:50	02/05/23 22:05	1
Acetophenone	10	U	10	2.3	ug/L		02/03/23 08:50	02/05/23 22:05	1
Anthracene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 22:05	1
Atrazine	2.0	U	2.0	1.3	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzaldehyde	10	U	10	2.1	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		02/03/23 08:50	02/05/23 22:05	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		02/03/23 08:50	02/05/23 22:05	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		02/03/23 08:50	02/05/23 22:05	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		02/03/23 08:50	02/05/23 22:05	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 22:05	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		02/03/23 08:50	02/05/23 22:05	1
Caprolactam	10	U	10	2.2	ug/L		02/03/23 08:50	02/05/23 22:05	1
Carbazole	10	U	10	0.68	ug/L		02/03/23 08:50	02/05/23 22:05	1
Chrysene	2.0	U	2.0	0.91	ug/L		02/03/23 08:50	02/05/23 22:05	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		02/03/23 08:50	02/05/23 22:05	1
Dibenzofuran	10	U	10	1.1	ug/L		02/03/23 08:50	02/05/23 22:05	1
Diethyl phthalate	10	U	10	0.98	ug/L		02/03/23 08:50	02/05/23 22:05	1
Dimethyl phthalate	10	U	10	0.77	ug/L		02/03/23 08:50	02/05/23 22:05	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 22:05	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		02/03/23 08:50	02/05/23 22:05	1
Fluoranthene	10	U	10	0.84	ug/L		02/03/23 08:50	02/05/23 22:05	1
Fluorene	10	U	10	0.91	ug/L		02/03/23 08:50	02/05/23 22:05	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		02/03/23 08:50	02/05/23 22:05	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		02/03/23 08:50	02/05/23 22:05	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		02/03/23 08:50	02/05/23 22:05	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/05/23 22:05	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		02/03/23 08:50	02/05/23 22:05	1
Isophorone	10	U	10	0.80	ug/L		02/03/23 08:50	02/05/23 22:05	1
Naphthalene	**0.65**	**J**	2.0	0.54	ug/L		02/03/23 08:50	02/05/23 22:05	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		02/03/23 08:50	02/05/23 22:05	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		02/03/23 08:50	02/05/23 22:05	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		02/03/23 08:50	02/05/23 22:05	1
Pentachlorophenol	20	U	20	1.4	ug/L		02/03/23 08:50	02/05/23 22:05	1
Phenanthrene	10	U	10	1.3	ug/L		02/03/23 08:50	02/05/23 22:05	1
Phenol	**0.55**	**J**	10	0.29	ug/L		02/03/23 08:50	02/05/23 22:05	1
Pyrene	10	U	10	1.6	ug/L		02/03/23 08:50	02/05/23 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*37 - 150*	*02/03/23 08:50*	*02/05/23 22:05*	*1*
2-Fluorobiphenyl	*74*		*46 - 139*	*02/03/23 08:50*	*02/05/23 22:05*	*1*
2-Fluorophenol (Surr)	*46*		*19 - 80*	*02/03/23 08:50*	*02/05/23 22:05*	*1*
Nitrobenzene-d5 (Surr)	*84*		*52 - 137*	*02/03/23 08:50*	*02/05/23 22:05*	*1*
Phenol-d5 (Surr)	*30*		*10 - 56*	*02/03/23 08:50*	*02/05/23 22:05*	*1*
Terphenyl-d14 (Surr)	*44*		*22 - 150*	*02/03/23 08:50*	*02/05/23 22:05*	*1*

Surrogate Summary

Client: AKRF Inc
Project/Site: 2647 Stillwell

Job ID: 460-273970-1

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)	(77-124)	(80-120)
460-273970-1	MW-07_20230202	87	100	101	95
460-273970-2	MW-10_20230202	87	101	103	90
460-273970-3	MW-09_20230202	85	99	100	93
460-273970-4	MW-08_20230202	86	104	102	93
LCS 460-891570/5	Lab Control Sample	73	93	87	84
LCSD 460-891570/6	Lab Control Sample Dup	84	110	101	98
MB 460-891570/10	Method Blank	88	101	105	93

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(19-80)	(52-137)	(10-56)	(22-150)
460-273970-1	MW-07_20230202	88	72	44	80	29	78
460-273970-2	MW-10_20230202	98	74	48	85	31	53
460-273970-3	MW-09_20230202	91	69	41	80	25	43
460-273970-4	MW-08_20230202	102	74	46	84	30	44
LCS 460-891285/2-A	Lab Control Sample	87	75	43	86	30	79
LCSD 460-891285/3-A	Lab Control Sample Dup	92	76	44	84	31	78
MB 460-891285/1-A	Method Blank	82	78	44	90	28	74

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Isotope Dilution Summary

Client: AKRF Inc
Job ID: 460-273970-1
Project/Site: 2647 Stillwell

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DXE (10-150)							
460-273970-1	MW-07_20230202	40							
460-273970-2	MW-10_20230202	67							
460-273970-3	MW-09_20230202	31							
460-273970-4	MW-08_20230202	27							
LCS 460-891440/2-A	Lab Control Sample	32							
LCSD 460-891440/3-A	Lab Control Sample Dup	36							
MB 460-891440/1-A	Method Blank	70							

Surrogate Legend

DXE = 1,4-Dioxane-d8

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

Lab Sample ID: MB 460-891570/10
Matrix: Water
Analysis Batch: 891570

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			02/06/23 08:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/06/23 08:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/06/23 08:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/06/23 08:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/06/23 08:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/06/23 08:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/06/23 08:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/06/23 08:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 08:32	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/06/23 08:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/06/23 08:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/06/23 08:32	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/06/23 08:32	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/06/23 08:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/06/23 08:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/06/23 08:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/06/23 08:32	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/06/23 08:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/06/23 08:32	1
Acetone	5.0	U	5.0	4.4	ug/L			02/06/23 08:32	1
Benzene	1.0	U	1.0	0.20	ug/L			02/06/23 08:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/06/23 08:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/06/23 08:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/06/23 08:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/06/23 08:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/06/23 08:32	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/06/23 08:32	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/06/23 08:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/06/23 08:32	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/06/23 08:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/06/23 08:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 08:32	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/06/23 08:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/06/23 08:32	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/06/23 08:32	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/06/23 08:32	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 08:32	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/06/23 08:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/06/23 08:32	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/06/23 08:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/06/23 08:32	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/06/23 08:32	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/06/23 08:32	1

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

Lab Sample ID: MB 460-891570/10
Matrix: Water
Analysis Batch: 891570

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.42	ug/L			02/06/23 08:32	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/06/23 08:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/06/23 08:32	1
Toluene	1.0	U	1.0	0.38	ug/L			02/06/23 08:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/06/23 08:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/06/23 08:32	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/06/23 08:32	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/06/23 08:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/06/23 08:32	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/06/23 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 128*		*02/06/23 08:32*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*02/06/23 08:32*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*02/06/23 08:32*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/06/23 08:32*	*1*

Lab Sample ID: LCS 460-891570/5
Matrix: Water
Analysis Batch: 891570

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	19.8		ug/L		99	68 - 128
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		97	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.0		ug/L		95	51 - 142
1,1,2-Trichloroethane	20.0	20.1		ug/L		101	74 - 125
1,1-Dichloroethane	20.0	18.3		ug/L		91	73 - 130
1,1-Dichloroethene	20.0	19.7		ug/L		98	68 - 133
1,2,3-Trichlorobenzene	20.0	22.3		ug/L		112	56 - 144
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		104	67 - 132
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 125
1,2-Dibromo-3-Chloropropane	20.0	22.9		ug/L		115	58 - 132
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120
1,2-Dichloroethane	20.0	18.3		ug/L		92	66 - 129
1,2-Dichloropropane	20.0	18.9		ug/L		95	68 - 128
1,3,5-Trimethylbenzene	20.0	18.4		ug/L		92	75 - 125
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 120
2-Butanone (MEK)	100	105		ug/L		105	61 - 128
2-Hexanone	100	101		ug/L		101	61 - 134
4-Methyl-2-pentanone (MIBK)	100	95.1		ug/L		95	69 - 128
Acetone	100	84.3		ug/L		84	61 - 134
Benzene	20.0	19.9		ug/L		100	71 - 126
Bromoform	20.0	21.0		ug/L		105	48 - 144
Bromomethane	20.0	13.5		ug/L		68	32 - 150
Carbon disulfide	20.0	18.9		ug/L		94	64 - 138
Carbon tetrachloride	20.0	19.6		ug/L		98	61 - 131
Chlorobenzene	20.0	21.3		ug/L		106	80 - 120

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

Lab Sample ID: LCS 460-891570/5
Matrix: Water
Analysis Batch: 891570

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	20.0	21.5		ug/L		108	67 - 126
Chlorodibromomethane	20.0	20.8		ug/L		104	62 - 130
Chloroethane	20.0	17.2		ug/L		86	42 - 150
Chloroform	20.0	20.2		ug/L		101	78 - 125
Chloromethane	20.0	17.0		ug/L		85	43 - 150
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 121
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	74 - 125
Cyclohexane	20.0	19.3		ug/L		97	60 - 133
Dichlorobromomethane	20.0	19.5		ug/L		98	76 - 121
Dichlorodifluoromethane	20.0	18.4		ug/L		92	33 - 150
Ethylbenzene	20.0	19.5		ug/L		97	78 - 120
Ethylene Dibromide	20.0	20.8		ug/L		104	79 - 126
Isopropylbenzene	20.0	19.6		ug/L		98	79 - 125
Methyl acetate	40.0	32.4		ug/L		81	55 - 146
Methyl tert-butyl ether	20.0	18.6		ug/L		93	72 - 131
Methylcyclohexane	20.0	18.9		ug/L		94	54 - 139
Methylene Chloride	20.0	19.8		ug/L		99	74 - 127
m-Xylene & p-Xylene	20.0	19.9		ug/L		99	78 - 120
n-Butylbenzene	20.0	17.6		ug/L		88	69 - 135
N-Propylbenzene	20.0	18.0		ug/L		90	68 - 129
o-Xylene	20.0	19.4		ug/L		97	78 - 120
sec-Butylbenzene	20.0	18.2		ug/L		91	73 - 129
Styrene	20.0	21.0		ug/L		105	75 - 127
tert-Butylbenzene	20.0	18.3		ug/L		91	72 - 124
Tetrachloroethene	20.0	21.8		ug/L		109	70 - 127
Toluene	20.0	19.4		ug/L		97	78 - 120
trans-1,2-Dichloroethene	20.0	19.3		ug/L		96	74 - 126
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	66 - 127
Trichloroethene	20.0	20.3		ug/L		102	71 - 121
Trichlorofluoromethane	20.0	18.4		ug/L		92	50 - 150
Vinyl chloride	20.0	17.6		ug/L		88	55 - 144
Xylenes, Total	40.0	39.2		ug/L		98	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*73*		*70 - 128*
4-Bromofluorobenzene	*93*		*76 - 120*
Dibromofluoromethane (Surr)	*87*		*77 - 124*
Toluene-d8 (Surr)	*84*		*80 - 120*

Lab Sample ID: LCSD 460-891570/6
Matrix: Water
Analysis Batch: 891570

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	19.0		ug/L		95	68 - 128	4	30
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	63 - 139	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7		ug/L		94	51 - 142	1	30
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	74 - 125	4	30

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

Lab Sample ID: LCSD 460-891570/6
Matrix: Water
Analysis Batch: 891570

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-Dichloroethane	20.0	17.5		ug/L		88	73 - 130	4	30
1,1-Dichloroethene	20.0	19.2		ug/L		96	68 - 133	3	30
1,2,3-Trichlorobenzene	20.0	21.1		ug/L		105	56 - 144	6	30
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	67 - 132	4	30
1,2,4-Trimethylbenzene	20.0	18.1		ug/L		90	75 - 125	4	30
1,2-Dibromo-3-Chloropropane	20.0	23.1		ug/L		116	58 - 132	1	30
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120	1	30
1,2-Dichloroethane	20.0	17.4		ug/L		87	66 - 129	5	30
1,2-Dichloropropane	20.0	18.3		ug/L		92	68 - 128	3	30
1,3,5-Trimethylbenzene	20.0	18.1		ug/L		90	75 - 125	2	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120	1	30
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	1	30
2-Butanone (MEK)	100	106		ug/L		106	61 - 128	1	30
2-Hexanone	100	99.5		ug/L		100	61 - 134	2	30
4-Methyl-2-pentanone (MIBK)	100	95.2		ug/L		95	69 - 128	0	30
Acetone	100	86.5		ug/L		87	61 - 134	3	30
Benzene	20.0	19.3		ug/L		96	71 - 126	3	30
Bromoform	20.0	20.3		ug/L		101	48 - 144	4	30
Bromomethane	20.0	13.7		ug/L		69	32 - 150	1	30
Carbon disulfide	20.0	18.7		ug/L		94	64 - 138	1	30
Carbon tetrachloride	20.0	19.1		ug/L		95	61 - 131	3	30
Chlorobenzene	20.0	21.1		ug/L		105	80 - 120	1	30
Chlorobromomethane	20.0	21.3		ug/L		107	67 - 126	1	30
Chlorodibromomethane	20.0	20.0		ug/L		100	62 - 130	4	30
Chloroethane	20.0	17.4		ug/L		87	42 - 150	1	30
Chloroform	20.0	19.7		ug/L		98	78 - 125	2	30
Chloromethane	20.0	17.5		ug/L		88	43 - 150	3	30
cis-1,2-Dichloroethene	20.0	19.7		ug/L		99	78 - 121	4	30
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	74 - 125	4	30
Cyclohexane	20.0	18.6		ug/L		93	60 - 133	4	30
Dichlorobromomethane	20.0	18.5		ug/L		93	76 - 121	5	30
Dichlorodifluoromethane	20.0	18.5		ug/L		93	33 - 150	1	30
Ethylbenzene	20.0	19.3		ug/L		96	78 - 120	1	30
Ethylene Dibromide	20.0	20.6		ug/L		103	79 - 126	1	30
Isopropylbenzene	20.0	19.1		ug/L		95	79 - 125	2	30
Methyl acetate	40.0	31.9		ug/L		80	55 - 146	2	30
Methyl tert-butyl ether	20.0	18.2		ug/L		91	72 - 131	2	30
Methylcyclohexane	20.0	18.4		ug/L		92	54 - 139	3	30
Methylene Chloride	20.0	18.9		ug/L		94	74 - 127	5	30
m-Xylene & p-Xylene	20.0	19.3		ug/L		97	78 - 120	3	30
n-Butylbenzene	20.0	18.2		ug/L		91	69 - 135	3	30
N-Propylbenzene	20.0	17.6		ug/L		88	68 - 129	2	30
o-Xylene	20.0	18.8		ug/L		94	78 - 120	3	30
sec-Butylbenzene	20.0	18.2		ug/L		91	73 - 129	0	30
Styrene	20.0	20.3		ug/L		101	75 - 127	4	30
tert-Butylbenzene	20.0	18.5		ug/L		92	72 - 124	1	30
Tetrachloroethene	20.0	21.2		ug/L		106	70 - 127	3	30
Toluene	20.0	19.1		ug/L		95	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	19.3		ug/L		96	74 - 126	0	30

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

Lab Sample ID: LCSD 460-891570/6
Matrix: Water
Analysis Batch: 891570

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
trans-1,3-Dichloropropene			20.0	17.5		ug/L		87	66 - 127	3	30
Trichloroethene			20.0	20.2		ug/L		101	71 - 121	1	30
Trichlorofluoromethane			20.0	17.9		ug/L		89	50 - 150	3	30
Vinyl chloride			20.0	17.8		ug/L		89	55 - 144	1	30
Xylenes, Total			40.0	38.1		ug/L		95	78 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*
4-Bromofluorobenzene	*110*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 460-891285/1-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 891285

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		02/03/23 08:50	02/03/23 23:51	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		02/03/23 08:50	02/03/23 23:51	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Chlorophenol	10	U	10	0.38	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Methylphenol	10	U	10	0.67	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Nitroaniline	10	U	10	0.47	ug/L		02/03/23 08:50	02/03/23 23:51	1
2-Nitrophenol	10	U	10	0.75	ug/L		02/03/23 08:50	02/03/23 23:51	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		02/03/23 08:50	02/03/23 23:51	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		02/03/23 08:50	02/03/23 23:51	1
3-Nitroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/03/23 23:51	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Chloroaniline	10	U	10	1.9	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Methylphenol	10	U	10	0.65	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Nitroaniline	10	U	10	1.2	ug/L		02/03/23 08:50	02/03/23 23:51	1
4-Nitrophenol	20	U	20	4.0	ug/L		02/03/23 08:50	02/03/23 23:51	1
Acenaphthene	10	U	10	1.1	ug/L		02/03/23 08:50	02/03/23 23:51	1
Acenaphthylene	10	U	10	0.82	ug/L		02/03/23 08:50	02/03/23 23:51	1

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

Lab Sample ID: MB 460-891285/1-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 891285

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	10	U	10	2.3	ug/L		02/03/23 08:50	02/03/23 23:51	1
Anthracene	10	U	10	1.3	ug/L		02/03/23 08:50	02/03/23 23:51	1
Atrazine	2.0	U	2.0	1.3	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzaldehyde	10	U	10	2.1	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		02/03/23 08:50	02/03/23 23:51	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		02/03/23 08:50	02/03/23 23:51	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		02/03/23 08:50	02/03/23 23:51	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		02/03/23 08:50	02/03/23 23:51	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/03/23 23:51	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		02/03/23 08:50	02/03/23 23:51	1
Caprolactam	10	U	10	2.2	ug/L		02/03/23 08:50	02/03/23 23:51	1
Carbazole	10	U	10	0.68	ug/L		02/03/23 08:50	02/03/23 23:51	1
Chrysene	2.0	U	2.0	0.91	ug/L		02/03/23 08:50	02/03/23 23:51	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		02/03/23 08:50	02/03/23 23:51	1
Dibenzofuran	10	U	10	1.1	ug/L		02/03/23 08:50	02/03/23 23:51	1
Diethyl phthalate	10	U	10	0.98	ug/L		02/03/23 08:50	02/03/23 23:51	1
Dimethyl phthalate	10	U	10	0.77	ug/L		02/03/23 08:50	02/03/23 23:51	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		02/03/23 08:50	02/03/23 23:51	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		02/03/23 08:50	02/03/23 23:51	1
Fluoranthene	10	U	10	0.84	ug/L		02/03/23 08:50	02/03/23 23:51	1
Fluorene	10	U	10	0.91	ug/L		02/03/23 08:50	02/03/23 23:51	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		02/03/23 08:50	02/03/23 23:51	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		02/03/23 08:50	02/03/23 23:51	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		02/03/23 08:50	02/03/23 23:51	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		02/03/23 08:50	02/03/23 23:51	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		02/03/23 08:50	02/03/23 23:51	1
Isophorone	10	U	10	0.80	ug/L		02/03/23 08:50	02/03/23 23:51	1
Naphthalene	2.0	U	2.0	0.54	ug/L		02/03/23 08:50	02/03/23 23:51	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		02/03/23 08:50	02/03/23 23:51	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		02/03/23 08:50	02/03/23 23:51	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		02/03/23 08:50	02/03/23 23:51	1
Pentachlorophenol	20	U	20	1.4	ug/L		02/03/23 08:50	02/03/23 23:51	1
Phenanthrene	10	U	10	1.3	ug/L		02/03/23 08:50	02/03/23 23:51	1
Phenol	10	U	10	0.29	ug/L		02/03/23 08:50	02/03/23 23:51	1
Pyrene	10	U	10	1.6	ug/L		02/03/23 08:50	02/03/23 23:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*37 - 150*	*02/03/23 08:50*	*02/03/23 23:51*	*1*
2-Fluorobiphenyl	*78*		*46 - 139*	*02/03/23 08:50*	*02/03/23 23:51*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 80*	*02/03/23 08:50*	*02/03/23 23:51*	*1*
Nitrobenzene-d5 (Surr)	*90*		*52 - 137*	*02/03/23 08:50*	*02/03/23 23:51*	*1*
Phenol-d5 (Surr)	*28*		*10 - 56*	*02/03/23 08:50*	*02/03/23 23:51*	*1*
Terphenyl-d14 (Surr)	*74*		*22 - 150*	*02/03/23 08:50*	*02/03/23 23:51*	*1*

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

Lab Sample ID: LCS 460-891285/2-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 891285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	69.4		ug/L		87	53 - 120
1,2,4,5-Tetrachlorobenzene	80.0	65.0		ug/L		81	46 - 117
2,2'-oxybis[1-chloropropane]	80.0	73.3		ug/L		92	37 - 120
2,3,4,6-Tetrachlorophenol	80.0	70.4		ug/L		88	54 - 122
2,4,5-Trichlorophenol	80.0	70.1		ug/L		88	58 - 120
2,4,6-Trichlorophenol	80.0	71.9		ug/L		90	61 - 120
2,4-Dichlorophenol	80.0	64.0		ug/L		80	65 - 120
2,4-Dimethylphenol	80.0	63.7		ug/L		80	62 - 120
2,4-Dinitrophenol	160	154		ug/L		96	36 - 150
2,4-Dinitrotoluene	80.0	77.9		ug/L		97	68 - 134
2,6-Dinitrotoluene	80.0	79.8		ug/L		100	65 - 124
2-Chloronaphthalene	80.0	69.9		ug/L		87	52 - 120
2-Chlorophenol	80.0	59.3		ug/L		74	53 - 120
2-Methylnaphthalene	80.0	61.6		ug/L		77	44 - 120
2-Methylphenol	80.0	53.5		ug/L		67	44 - 120
2-Nitroaniline	80.0	74.9		ug/L		94	49 - 120
2-Nitrophenol	80.0	70.3		ug/L		88	60 - 125
3 & 4 Methylphenol	80.0	50.9		ug/L		64	35 - 120
3,3'-Dichlorobenzidine	80.0	63.1		ug/L		79	37 - 137
3-Nitroaniline	80.0	75.4		ug/L		94	40 - 120
4,6-Dinitro-2-methylphenol	160	155		ug/L		97	59 - 135
4-Bromophenyl phenyl ether	80.0	65.1		ug/L		81	62 - 125
4-Chloro-3-methylphenol	80.0	62.3		ug/L		78	61 - 120
4-Chloroaniline	80.0	72.0		ug/L		90	29 - 127
4-Chlorophenyl phenyl ether	80.0	68.3		ug/L		85	59 - 122
4-Methylphenol	80.0	50.1		ug/L		63	33 - 120
4-Nitroaniline	80.0	70.0		ug/L		88	45 - 120
4-Nitrophenol	160	47.0		ug/L		29	12 - 120
Acenaphthene	80.0	71.2		ug/L		89	49 - 120
Acenaphthylene	80.0	68.8		ug/L		86	60 - 120
Acetophenone	80.0	71.3		ug/L		89	62 - 120
Anthracene	80.0	71.5		ug/L		89	65 - 120
Atrazine	40.0	37.9		ug/L		95	43 - 150
Benzaldehyde	40.0	33.4		ug/L		83	41 - 150
Benzo[a]anthracene	80.0	69.7		ug/L		87	63 - 120
Benzo[a]pyrene	80.0	65.7		ug/L		82	60 - 139
Benzo[b]fluoranthene	80.0	73.8		ug/L		92	66 - 125
Benzo[g,h,i]perylene	80.0	67.9		ug/L		85	59 - 136
Benzo[k]fluoranthene	80.0	72.5		ug/L		91	64 - 125
Bis(2-chloroethoxy)methane	80.0	70.0		ug/L		87	64 - 120
Bis(2-chloroethyl)ether	80.0	66.7		ug/L		83	63 - 120
Bis(2-ethylhexyl) phthalate	80.0	69.6		ug/L		87	60 - 132
Butyl benzyl phthalate	80.0	64.4		ug/L		81	58 - 132
Caprolactam	40.0	10.8		ug/L		27	10 - 120
Carbazole	80.0	73.2		ug/L		92	65 - 120
Chrysene	80.0	68.6		ug/L		86	63 - 120
Dibenz(a,h)anthracene	80.0	73.1		ug/L		91	62 - 140
Dibenzofuran	80.0	70.5		ug/L		88	58 - 120

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

Lab Sample ID: LCS 460-891285/2-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 891285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	80.0	67.1		ug/L		84	53 - 129
Dimethyl phthalate	80.0	72.8		ug/L		91	60 - 124
Di-n-butyl phthalate	80.0	68.4		ug/L		85	59 - 133
Di-n-octyl phthalate	80.0	52.5		ug/L		66	49 - 135
Fluoranthene	80.0	71.4		ug/L		89	65 - 123
Fluorene	80.0	69.3		ug/L		87	58 - 120
Hexachlorobenzene	80.0	64.7		ug/L		81	61 - 128
Hexachlorobutadiene	80.0	51.5		ug/L		64	27 - 127
Hexachlorocyclopentadiene	80.0	51.5		ug/L		64	24 - 123
Hexachloroethane	80.0	51.6		ug/L		65	26 - 120
Indeno[1,2,3-cd]pyrene	80.0	78.1		ug/L		98	59 - 137
Isophorone	80.0	69.1		ug/L		86	68 - 121
Naphthalene	80.0	61.7		ug/L		77	51 - 120
Nitrobenzene	80.0	70.6		ug/L		88	64 - 120
N-Nitrosodi-n-propylamine	80.0	70.5		ug/L		88	60 - 120
N-Nitrosodiphenylamine	80.0	68.2		ug/L		85	63 - 120
Pentachlorophenol	160	134		ug/L		84	24 - 131
Phenanthrene	80.0	70.1		ug/L		88	65 - 120
Phenol	80.0	26.5		ug/L		33	18 - 120
Pyrene	80.0	68.3		ug/L		85	51 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*37 - 150*
2-Fluorobiphenyl	*75*		*46 - 139*
2-Fluorophenol (Surr)	*43*		*19 - 80*
Nitrobenzene-d5 (Surr)	*86*		*52 - 137*
Phenol-d5 (Surr)	*30*		*10 - 56*
Terphenyl-d14 (Surr)	*79*		*22 - 150*

Lab Sample ID: LCSD 460-891285/3-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 891285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	70.9		ug/L		89	53 - 120	2	30
1,2,4,5-Tetrachlorobenzene	80.0	68.8		ug/L		86	46 - 117	6	30
2,2'-oxybis[1-chloropropane]	80.0	71.4		ug/L		89	37 - 120	3	30
2,3,4,6-Tetrachlorophenol	80.0	71.7		ug/L		90	54 - 122	2	30
2,4,5-Trichlorophenol	80.0	71.3		ug/L		89	58 - 120	2	30
2,4,6-Trichlorophenol	80.0	74.7		ug/L		93	61 - 120	4	30
2,4-Dichlorophenol	80.0	65.1		ug/L		81	65 - 120	2	30
2,4-Dimethylphenol	80.0	62.3		ug/L		78	62 - 120	2	30
2,4-Dinitrophenol	160	158		ug/L		99	36 - 150	3	30
2,4-Dinitrotoluene	80.0	80.3		ug/L		100	68 - 134	3	30
2,6-Dinitrotoluene	80.0	79.8		ug/L		100	65 - 124	0	30
2-Chloronaphthalene	80.0	70.7		ug/L		88	52 - 120	1	30
2-Chlorophenol	80.0	58.9		ug/L		74	53 - 120	1	30
2-Methylnaphthalene	80.0	60.4		ug/L		76	44 - 120	2	30

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

Lab Sample ID: LCSD 460-891285/3-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 891285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	80.0	52.4		ug/L		66	44 - 120	2	30
2-Nitroaniline	80.0	81.3		ug/L		102	49 - 120	8	30
2-Nitrophenol	80.0	69.6		ug/L		87	60 - 125	1	30
3 & 4 Methylphenol	80.0	49.9		ug/L		62	35 - 120	2	30
3,3'-Dichlorobenzidine	80.0	63.3		ug/L		79	37 - 137	0	30
3-Nitroaniline	80.0	76.6		ug/L		96	40 - 120	2	30
4,6-Dinitro-2-methylphenol	160	156		ug/L		98	59 - 135	1	30
4-Bromophenyl phenyl ether	80.0	66.1		ug/L		83	62 - 125	1	30
4-Chloro-3-methylphenol	80.0	62.0		ug/L		78	61 - 120	0	30
4-Chloroaniline	80.0	72.2		ug/L		90	29 - 127	0	30
4-Chlorophenyl phenyl ether	80.0	69.0		ug/L		86	59 - 122	1	30
4-Methylphenol	80.0	50.8		ug/L		64	33 - 120	1	30
4-Nitroaniline	80.0	70.8		ug/L		88	45 - 120	1	30
4-Nitrophenol	160	48.8		ug/L		31	12 - 120	4	30
Acenaphthene	80.0	72.4		ug/L		90	49 - 120	2	30
Acenaphthylene	80.0	69.8		ug/L		87	60 - 120	1	30
Acetophenone	80.0	69.3		ug/L		87	62 - 120	3	30
Anthracene	80.0	70.2		ug/L		88	65 - 120	2	30
Atrazine	40.0	39.5		ug/L		99	43 - 150	4	30
Benzaldehyde	40.0	33.6		ug/L		84	41 - 150	1	30
Benzo[a]anthracene	80.0	70.8		ug/L		88	63 - 120	2	30
Benzo[a]pyrene	80.0	66.0		ug/L		83	60 - 139	0	30
Benzo[b]fluoranthene	80.0	72.9		ug/L		91	66 - 125	1	30
Benzo[g,h,i]perylene	80.0	69.0		ug/L		86	59 - 136	2	30
Benzo[k]fluoranthene	80.0	73.4		ug/L		92	64 - 125	1	30
Bis(2-chloroethoxy)methane	80.0	69.7		ug/L		87	64 - 120	0	30
Bis(2-chloroethyl)ether	80.0	65.3		ug/L		82	63 - 120	2	30
Bis(2-ethylhexyl) phthalate	80.0	68.1		ug/L		85	60 - 132	2	30
Butyl benzyl phthalate	80.0	64.1		ug/L		80	58 - 132	0	30
Caprolactam	40.0	10.2		ug/L		26	10 - 120	5	30
Carbazole	80.0	73.6		ug/L		92	65 - 120	0	30
Chrysene	80.0	68.5		ug/L		86	63 - 120	0	30
Dibenz(a,h)anthracene	80.0	74.2		ug/L		93	62 - 140	1	30
Dibenzofuran	80.0	71.7		ug/L		90	58 - 120	2	30
Diethyl phthalate	80.0	68.2		ug/L		85	53 - 129	2	30
Dimethyl phthalate	80.0	73.6		ug/L		92	60 - 124	1	30
Di-n-butyl phthalate	80.0	68.1		ug/L		85	59 - 133	0	30
Di-n-octyl phthalate	80.0	52.8		ug/L		66	49 - 135	1	30
Fluoranthene	80.0	71.4		ug/L		89	65 - 123	0	30
Fluorene	80.0	70.1		ug/L		88	58 - 120	1	30
Hexachlorobenzene	80.0	62.6		ug/L		78	61 - 128	3	30
Hexachlorobutadiene	80.0	49.5		ug/L		62	27 - 127	4	30
Hexachlorocyclopentadiene	80.0	52.0		ug/L		65	24 - 123	1	30
Hexachloroethane	80.0	50.4		ug/L		63	26 - 120	2	30
Indeno[1,2,3-cd]pyrene	80.0	78.7		ug/L		98	59 - 137	1	30
Isophorone	80.0	69.3		ug/L		87	68 - 121	0	30
Naphthalene	80.0	62.0		ug/L		77	51 - 120	0	30
Nitrobenzene	80.0	70.5		ug/L		88	64 - 120	0	30
N-Nitrosodi-n-propylamine	80.0	69.6		ug/L		87	60 - 120	1	30

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

Lab Sample ID: LCSD 460-891285/3-A
Matrix: Water
Analysis Batch: 891390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 891285

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			80.0	67.9		ug/L		85	63 - 120	1	30
Pentachlorophenol			160	134		ug/L		84	24 - 131	0	30
Phenanthrene			80.0	68.8		ug/L		86	65 - 120	2	30
Phenol			80.0	25.3		ug/L		32	18 - 120	4	30
Pyrene			80.0	67.1		ug/L		84	51 - 124	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*37 - 150*
2-Fluorobiphenyl	*76*		*46 - 139*
2-Fluorophenol (Surr)	*44*		*19 - 80*
Nitrobenzene-d5 (Surr)	*84*		*52 - 137*
Phenol-d5 (Surr)	*31*		*10 - 56*
Terphenyl-d14 (Surr)	*78*		*22 - 150*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-891440/1-A
Matrix: Water
Analysis Batch: 891532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 891440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		02/04/23 11:50	02/05/23 14:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*70*		*10 - 150*	*02/04/23 11:50*	*02/05/23 14:39*	*1*

Lab Sample ID: LCS 460-891440/2-A
Matrix: Water
Analysis Batch: 891532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 891440

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.53		ug/L		96	50 - 142		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*32*		*10 - 150*

Lab Sample ID: LCSD 460-891440/3-A
Matrix: Water
Analysis Batch: 891532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 891440

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.60		ug/L		100	50 - 142	4	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*36*		*10 - 150*

Qualifiers

GC/MS VOA

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

GC/MS Semi 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

GC/MS VOA

Analysis Batch: 891570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-273970-1	MW-07_20230202	Total/NA	Water	8260D	
460-273970-2	MW-10_20230202	Total/NA	Water	8260D	
460-273970-3	MW-09_20230202	Total/NA	Water	8260D	
460-273970-4	MW-08_20230202	Total/NA	Water	8260D	
MB 460-891570/10	Method Blank	Total/NA	Water	8260D	
LCS 460-891570/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-891570/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 891285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-273970-1	MW-07_20230202	Total/NA	Water	3510C	
460-273970-2	MW-10_20230202	Total/NA	Water	3510C	
460-273970-3	MW-09_20230202	Total/NA	Water	3510C	
460-273970-4	MW-08_20230202	Total/NA	Water	3510C	
MB 460-891285/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-891285/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-891285/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 891390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-891285/1-A	Method Blank	Total/NA	Water	8270E	891285
LCS 460-891285/2-A	Lab Control Sample	Total/NA	Water	8270E	891285
LCSD 460-891285/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	891285

Prep Batch: 891440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-273970-1	MW-07_20230202	Total/NA	Water	3510C	
460-273970-2	MW-10_20230202	Total/NA	Water	3510C	
460-273970-3	MW-09_20230202	Total/NA	Water	3510C	
460-273970-4	MW-08_20230202	Total/NA	Water	3510C	
MB 460-891440/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-891440/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-891440/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 891527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-273970-1	MW-07_20230202	Total/NA	Water	8270E	891285
460-273970-2	MW-10_20230202	Total/NA	Water	8270E	891285
460-273970-3	MW-09_20230202	Total/NA	Water	8270E	891285
460-273970-4	MW-08_20230202	Total/NA	Water	8270E	891285

Analysis Batch: 891532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-273970-1	MW-07_20230202	Total/NA	Water	8270E SIM ID	891440
460-273970-2	MW-10_20230202	Total/NA	Water	8270E SIM ID	891440
460-273970-3	MW-09_20230202	Total/NA	Water	8270E SIM ID	891440
460-273970-4	MW-08_20230202	Total/NA	Water	8270E SIM ID	891440
MB 460-891440/1-A	Method Blank	Total/NA	Water	8270E SIM ID	891440
LCS 460-891440/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	891440

GC/MS Semi VOA (Continued)

Analysis Batch: 891532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-891440/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	891440

Lab Chronicle

Client: AKRF Inc
Project/Site: 2647 Stillwell

Job ID: 460-273970-1

Client Sample ID: MW-07_20230202
Date Collected: 02/02/23 12:50
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	891570	AAT	EET EDI	02/06/23 10:12
Total/NA	Prep	3510C			891285	SXS	EET EDI	02/03/23 08:50
Total/NA	Analysis	8270E		1	891527	YAH	EET EDI	02/05/23 19:55
Total/NA	Prep	3510C			891440	NMP	EET EDI	02/04/23 11:51
Total/NA	Analysis	8270E SIM ID		1	891532	YAH	EET EDI	02/05/23 17:18

Client Sample ID: MW-10_20230202
Date Collected: 02/02/23 13:35
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	891570	AAT	EET EDI	02/06/23 10:37
Total/NA	Prep	3510C			891285	SXS	EET EDI	02/03/23 08:50
Total/NA	Analysis	8270E		1	891527	YAH	EET EDI	02/05/23 20:17
Total/NA	Prep	3510C			891440	NMP	EET EDI	02/04/23 11:51
Total/NA	Analysis	8270E SIM ID		1	891532	YAH	EET EDI	02/05/23 17:34

Client Sample ID: MW-09_20230202
Date Collected: 02/02/23 14:05
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	891570	AAT	EET EDI	02/06/23 11:02
Total/NA	Prep	3510C			891285	SXS	EET EDI	02/03/23 08:50
Total/NA	Analysis	8270E		1	891527	YAH	EET EDI	02/05/23 20:38
Total/NA	Prep	3510C			891440	NMP	EET EDI	02/04/23 11:51
Total/NA	Analysis	8270E SIM ID		1	891532	YAH	EET EDI	02/05/23 17:50

Client Sample ID: MW-08_20230202
Date Collected: 02/02/23 14:30
Date Received: 02/02/23 19:00

Lab Sample ID: 460-273970-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	891570	AAT	EET EDI	02/06/23 11:27
Total/NA	Prep	3510C			891285	SXS	EET EDI	02/03/23 08:50
Total/NA	Analysis	8270E		1	891527	YAH	EET EDI	02/05/23 22:05
Total/NA	Prep	3510C			891440	NMP	EET EDI	02/04/23 11:51
Total/NA	Analysis	8270E SIM ID		1	891532	YAH	EET EDI	02/05/23 18:05

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: 460-273970-1
Project/Site: 2647 Stillwell

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

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

Analysis Method	Prep Method	Matrix	Analyte
8270E	3510C	Water	3 & 4 Methylphenol

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-07_20230202	460-273970-1	101	87	95	100
MW-10_20230202	460-273970-2	103	87	90	101
MW-09_20230202	460-273970-3	100	85	93	99
MW-08_20230202	460-273970-4	102	86	93	104
	MB 460-891570/10	105	88	93	101
	LCS 460-891570/5	87	73	84	93
	LCSD 460-891570/6	101	84	98	110

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-124
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.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J86202.D

Lab ID: LCS 460-891570/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.8	99	68-128	
1,1,2,2-Tetrachloroethane	20.0	19.5	97	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.0	95	51-142	
1,1,2-Trichloroethane	20.0	20.1	101	74-125	
1,1-Dichloroethane	20.0	18.3	91	73-130	
1,1-Dichloroethene	20.0	19.7	98	68-133	
1,2,3-Trichlorobenzene	20.0	22.3	112	56-144	
1,2,4-Trichlorobenzene	20.0	20.7	104	67-132	
1,2,4-Trimethylbenzene	20.0	18.8	94	75-125	
1,2-Dibromo-3-Chloropropane	20.0	22.9	115	58-132	
1,2-Dichlorobenzene	20.0	20.6	103	80-120	
1,2-Dichloroethane	20.0	18.3	92	66-129	
1,2-Dichloropropane	20.0	18.9	95	68-128	
1,3,5-Trimethylbenzene	20.0	18.4	92	75-125	
1,3-Dichlorobenzene	20.0	20.4	102	80-120	
1,4-Dichlorobenzene	20.0	20.7	103	80-120	
2-Butanone (MEK)	100	105	105	61-128	
2-Hexanone	100	101	101	61-134	
4-Methyl-2-pentanone (MIBK)	100	95.1	95	69-128	
Acetone	100	84.3	84	61-134	
Benzene	20.0	19.9	100	71-126	
Bromoform	20.0	21.0	105	48-144	
Bromomethane	20.0	13.5	68	32-150	
Carbon disulfide	20.0	18.9	94	64-138	
Carbon tetrachloride	20.0	19.6	98	61-131	
Chlorobenzene	20.0	21.3	106	80-120	
Chlorobromomethane	20.0	21.5	108	67-126	
Chlorodibromomethane	20.0	20.8	104	62-130	
Chloroethane	20.0	17.2	86	42-150	
Chloroform	20.0	20.2	101	78-125	
Chloromethane	20.0	17.0	85	43-150	
cis-1,2-Dichloroethene	20.0	20.4	102	78-121	
cis-1,3-Dichloropropene	20.0	18.8	94	74-125	
Cyclohexane	20.0	19.3	97	60-133	
Dichlorobromomethane	20.0	19.5	98	76-121	
Dichlorodifluoromethane	20.0	18.4	92	33-150	
Ethylbenzene	20.0	19.5	97	78-120	
Ethylene Dibromide	20.0	20.8	104	79-126	
Isopropylbenzene	20.0	19.6	98	79-125	
Methyl acetate	40.0	32.4	81	55-146	
Methyl tert-butyl ether	20.0	18.6	93	72-131	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J86202.D

Lab ID: LCS 460-891570/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	18.9	94	54-139	
Methylene Chloride	20.0	19.8	99	74-127	
m-Xylene & p-Xylene	20.0	19.9	99	78-120	
n-Butylbenzene	20.0	17.6	88	69-135	
N-Propylbenzene	20.0	18.0	90	68-129	
o-Xylene	20.0	19.4	97	78-120	
sec-Butylbenzene	20.0	18.2	91	73-129	
Styrene	20.0	21.0	105	75-127	
tert-Butylbenzene	20.0	18.3	91	72-124	
Tetrachloroethene	20.0	21.8	109	70-127	
Toluene	20.0	19.4	97	78-120	
trans-1,2-Dichloroethene	20.0	19.3	96	74-126	
trans-1,3-Dichloropropene	20.0	18.0	90	66-127	
Trichloroethene	20.0	20.3	102	71-121	
Trichlorofluoromethane	20.0	18.4	92	50-150	
Vinyl chloride	20.0	17.6	88	55-144	
Xylenes, Total	40.0	39.2	98	78-120	

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.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J86203.D

Lab ID: LCSD 460-891570/6 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	19.0	95	4	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	18.2	91	7	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.7	94	1	30	51-142	
1,1,2-Trichloroethane	20.0	19.4	97	4	30	74-125	
1,1-Dichloroethane	20.0	17.5	88	4	30	73-130	
1,1-Dichloroethene	20.0	19.2	96	3	30	68-133	
1,2,3-Trichlorobenzene	20.0	21.1	105	6	30	56-144	
1,2,4-Trichlorobenzene	20.0	20.0	100	4	30	67-132	
1,2,4-Trimethylbenzene	20.0	18.1	90	4	30	75-125	
1,2-Dibromo-3-Chloropropane	20.0	23.1	116	1	30	58-132	
1,2-Dichlorobenzene	20.0	20.3	102	1	30	80-120	
1,2-Dichloroethane	20.0	17.4	87	5	30	66-129	
1,2-Dichloropropane	20.0	18.3	92	3	30	68-128	
1,3,5-Trimethylbenzene	20.0	18.1	90	2	30	75-125	
1,3-Dichlorobenzene	20.0	20.1	101	1	30	80-120	
1,4-Dichlorobenzene	20.0	20.4	102	1	30	80-120	
2-Butanone (MEK)	100	106	106	1	30	61-128	
2-Hexanone	100	99.5	100	2	30	61-134	
4-Methyl-2-pentanone (MIBK)	100	95.2	95	0	30	69-128	
Acetone	100	86.5	87	3	30	61-134	
Benzene	20.0	19.3	96	3	30	71-126	
Bromoform	20.0	20.3	101	4	30	48-144	
Bromomethane	20.0	13.7	69	1	30	32-150	
Carbon disulfide	20.0	18.7	94	1	30	64-138	
Carbon tetrachloride	20.0	19.1	95	3	30	61-131	
Chlorobenzene	20.0	21.1	105	1	30	80-120	
Chlorobromomethane	20.0	21.3	107	1	30	67-126	
Chlorodibromomethane	20.0	20.0	100	4	30	62-130	
Chloroethane	20.0	17.4	87	1	30	42-150	
Chloroform	20.0	19.7	98	2	30	78-125	
Chloromethane	20.0	17.5	88	3	30	43-150	
cis-1,2-Dichloroethene	20.0	19.7	99	4	30	78-121	
cis-1,3-Dichloropropene	20.0	18.1	91	4	30	74-125	
Cyclohexane	20.0	18.6	93	4	30	60-133	
Dichlorobromomethane	20.0	18.5	93	5	30	76-121	
Dichlorodifluoromethane	20.0	18.5	93	1	30	33-150	
Ethylbenzene	20.0	19.3	96	1	30	78-120	
Ethylene Dibromide	20.0	20.6	103	1	30	79-126	
Isopropylbenzene	20.0	19.1	95	2	30	79-125	
Methyl acetate	40.0	31.9	80	2	30	55-146	
Methyl tert-butyl ether	20.0	18.2	91	2	30	72-131	

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.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: J86203.D

Lab ID: LCSD 460-891570/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylcyclohexane	20.0	18.4	92	3	30	54-139	
Methylene Chloride	20.0	18.9	94	5	30	74-127	
m-Xylene & p-Xylene	20.0	19.3	97	3	30	78-120	
n-Butylbenzene	20.0	18.2	91	3	30	69-135	
N-Propylbenzene	20.0	17.6	88	2	30	68-129	
o-Xylene	20.0	18.8	94	3	30	78-120	
sec-Butylbenzene	20.0	18.2	91	0	30	73-129	
Styrene	20.0	20.3	101	4	30	75-127	
tert-Butylbenzene	20.0	18.5	92	1	30	72-124	
Tetrachloroethene	20.0	21.2	106	3	30	70-127	
Toluene	20.0	19.1	95	1	30	78-120	
trans-1,2-Dichloroethene	20.0	19.3	96	0	30	74-126	
trans-1,3-Dichloropropene	20.0	17.5	87	3	30	66-127	
Trichloroethene	20.0	20.2	101	1	30	71-121	
Trichlorofluoromethane	20.0	17.9	89	3	30	50-150	
Vinyl chloride	20.0	17.8	89	1	30	55-144	
Xylenes, Total	40.0	38.1	95	3	30	78-120	

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.: 460-273970-1

SDG No.:

Lab File ID: J86207.D Lab Sample ID: MB 460-891570/10

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

Instrument ID: CVOAMS8 Date Analyzed: 02/06/2023 08:32

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 460-891570/5	J86202.D	02/06/2023 06:25
	LCSD 460-891570/6	J86203.D	02/06/2023 06:51
MW-07_20230202	460-273970-1	J86211.D	02/06/2023 10:12
MW-10_20230202	460-273970-2	J86212.D	02/06/2023 10:37
MW-09_20230202	460-273970-3	J86213.D	02/06/2023 11:02
MW-08_20230202	460-273970-4	J86214.D	02/06/2023 11:27

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: J85632.D BFB Injection Date: 01/17/2023

Instrument ID: CVOAMS8 BFB Injection Time: 09:32

Analysis Batch No.: 888485

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	126.1
96	5 - 9% of m/z 95	6.4
173	Less than 2% of m/z 174	1.9
174	50 - 200% of m/z 95	79.3
175	5 - 9% of m/z 174	8.9
176	95 -105% of m/z 174	95.8
177	5 - 10% of m/z 176	7.3

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-888485/3	J85634.D	01/17/2023	10:29
	STD1 460-888485/4	J85635.D	01/17/2023	11:13
	STD5 460-888485/5	J85636.D	01/17/2023	11:38
	STD20 460-888485/6	J85637.D	01/17/2023	12:03
	STD50 460-888485/7	J85638.D	01/17/2023	12:28
	STD500 460-888485/9	J85640.D	01/17/2023	13:19
	STD200 460-888485/11	J85642.D	01/17/2023	14:34
	ICV 460-888485/17	J85648.D	01/17/2023	17:04

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: STD20 460-888485/6 Date Analyzed: 01/17/2023 12:03

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J85637.D Heated Purge: (Y/N) N

Calibration ID: 92148

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		269818	2.42	473035	3.33	570545	4.34
UPPER LIMIT		539636	2.92	946070	3.83	1141090	4.84
LOWER LIMIT		134909	1.92	236518	2.83	285273	3.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-888485/17		226165	2.41	397766	3.33	529017	4.35

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.: 460-273970-1

SDG No.:

Sample No.: STD20 460-888485/6 Date Analyzed: 01/17/2023 12:03

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J85637.D Heated Purge: (Y/N) N

Calibration ID: 92148

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		29101	5.06	412305	8.01	229016	10.38
UPPER LIMIT		58202	5.56	824610	8.51	458032	10.88
LOWER LIMIT		14551	4.56	206153	7.51	114508	9.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-888485/17		28379	5.06	396464	8.02	231460	10.38

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 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.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891570/3 Date Analyzed: 02/06/2023 05:35

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J86200.D Heated Purge: (Y/N) N

Calibration ID: 92148

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		291211	2.41	449055	3.32	611721	4.34
UPPER LIMIT		582422	2.91	898110	3.82	1223442	4.84
LOWER LIMIT		145606	1.91	224528	2.82	305861	3.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-891570/5		308691	2.41	477869	3.32	648850	4.33
LCSD 460-891570/6		290063	2.41	445715	3.32	642503	4.34
MB 460-891570/10		257743	2.41	408807	3.32	598127	4.34
460-273970-1	MW-07_20230202	237508	2.40	396028	3.32	611410	4.33
460-273970-2	MW-10_20230202	207266	2.40	350203	3.32	568678	4.33
460-273970-3	MW-09_20230202	223766	2.40	378255	3.32	597390	4.33
460-273970-4	MW-08_20230202	225991	2.40	372390	3.32	599653	4.33

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.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891570/3 Date Analyzed: 02/06/2023 05:35

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): J86200.D Heated Purge: (Y/N) N

Calibration ID: 92148

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		34301	5.04	463576	8.00	278211	10.38
UPPER LIMIT		68602	5.54	927152	8.50	556422	10.88
LOWER LIMIT		17151	4.54	231788	7.50	139106	9.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-891570/5		37170	5.05	487540	8.00	287587	10.37
LCSD 460-891570/6		36266	5.05	480118	8.00	282617	10.38
MB 460-891570/10		29047	5.05	444235	8.00	245948	10.38
460-273970-1	MW-07_20230202	25342	5.05	433865	8.00	238784	10.37
460-273970-2	MW-10_20230202	25131	5.04	432942	8.00	237997	10.37
460-273970-3	MW-09_20230202	25093	5.04	437281	7.99	238544	10.37
460-273970-4	MW-08_20230202	24898	5.04	440296	8.00	246536	10.37

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.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: J86211.D

Analysis Method: 8260D | Date Collected: 02/02/2023 12:50

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 10:12

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
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
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.33
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	7.6		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	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: J86211.D

Analysis Method: 8260D | Date Collected: 02/02/2023 12:50

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 10:12

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	0.71	J	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
104-51-8	n-Butylbenzene	1.0	U	1.0	0.32
103-65-1	N-Propylbenzene	1.0	U	1.0	0.32
95-47-6	o-Xylene	1.0	U	1.0	0.36
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.37
100-42-5	Styrene	1.0	U	1.0	0.42
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.34
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-128
460-00-4	4-Bromofluorobenzene	100		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D
Lims ID: 460-273970-B-1
Client ID: MW-07_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 10:12:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-1
Misc. Info.: 460-0156388-014
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:39:51 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 10:39:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.403	2.409	-0.006	74	237508	1000.0	
* 43 2-Butanone-d5	46	3.315	3.321	-0.006	85	396028	250.0	
52 Chloroform	83	3.601	3.601	0.000	96	45284	7.65	
$ 55 Dibromofluoromethane (Surr)	113	3.741	3.747	-0.006	95	143464	50.4	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.076	4.076	0.000	0	194458	43.5	
* 66 Fluorobenzene	96	4.331	4.337	-0.006	97	611410	50.0	
* 72 1,4-Dioxane-d8	96	5.049	5.043	0.006	0	25342	1000.0	
77 Dichlorobromomethane	83	5.262	5.268	-0.006	97	3340	0.7143	
$ 83 Toluene-d8 (Surr)	98	6.047	6.047	0.000	97	467649	47.7	
* 94 Chlorobenzene-d5	117	8.000	7.999	0.001	89	433865	50.0	
$ 105 4-Bromofluorobenzene	174	9.326	9.326	0.000	91	144791	50.0	
* 121 1,4-Dichlorobenzene-d4	152	10.372	10.378	-0.006	97	238784	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00235 Amount Added: 1.00 Units: uL Run Reagent

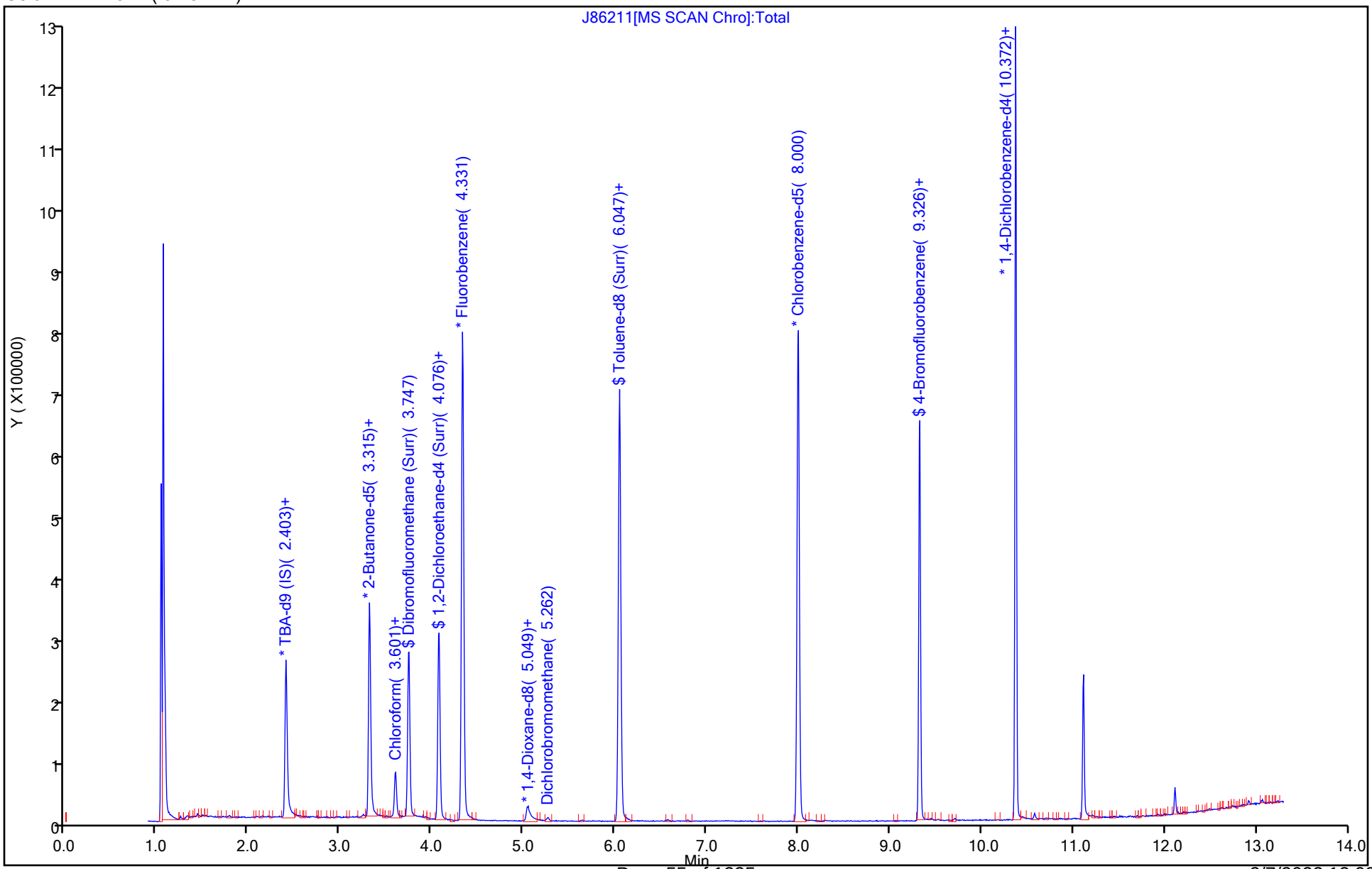
Report Date: 06-Feb-2023 10:39:52 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D

Injection Date:	06-Feb-2023 10:12:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-273970-B-1	Lab Sample ID:	460-273970-1	Worklist Smp#:	14
Client ID:	MW-07_20230202				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D
Lims ID: 460-273970-B-1
Client ID: MW-07_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 10:12:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-1
Misc. Info.: 460-0156388-014
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:39:51 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 10:39:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	50.4	100.82
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	43.5	86.92
$ 83 Toluene-d8 (Surr)	50.0	47.7	95.48
$ 105 4-Bromofluorobenzene	50.0	50.0	99.93

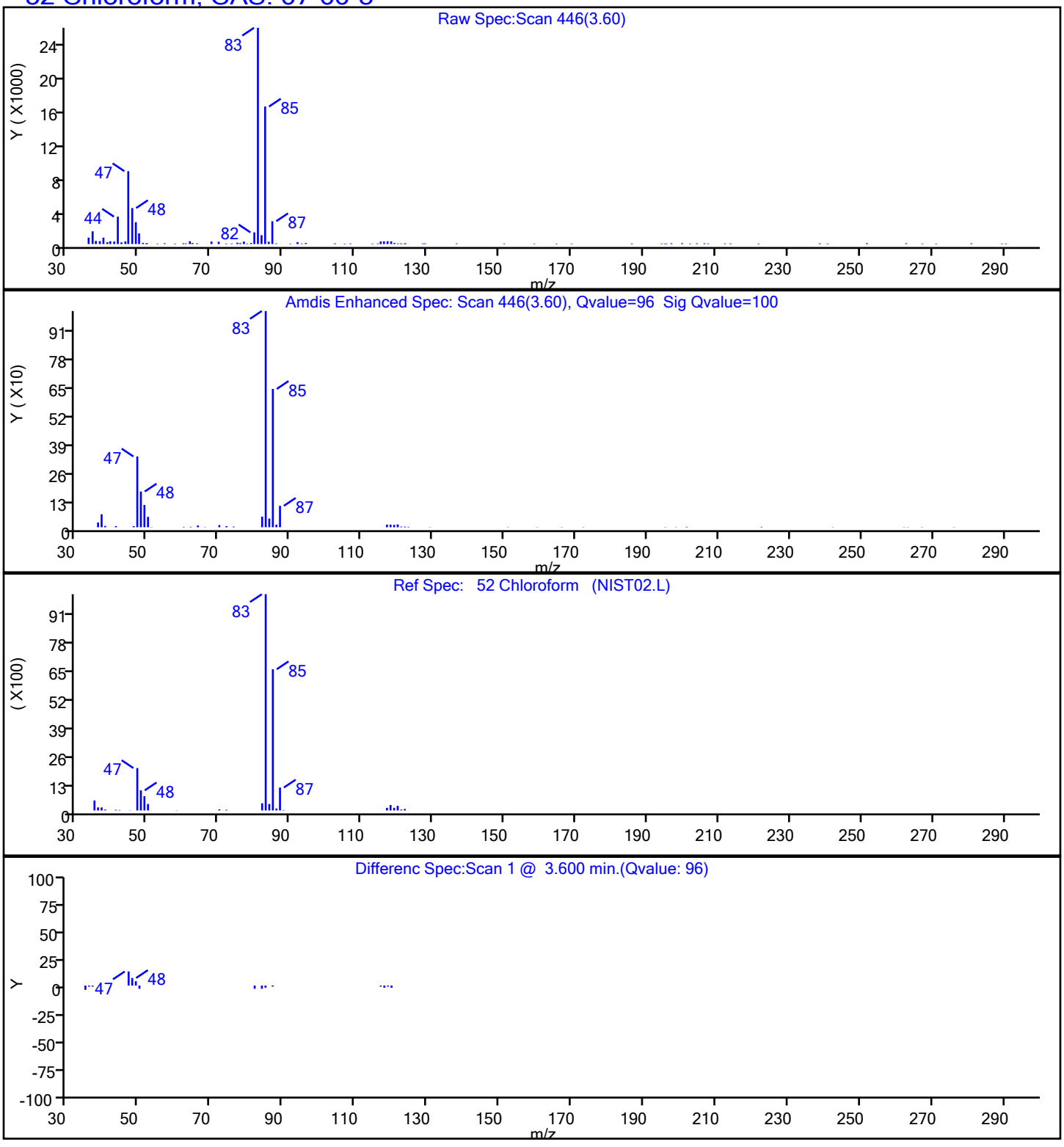
Report Date: 06-Feb-2023 10:39:52 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D

Injection Date:	06-Feb-2023 10:12:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-1	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

52 Chloroform, CAS: 67-66-3

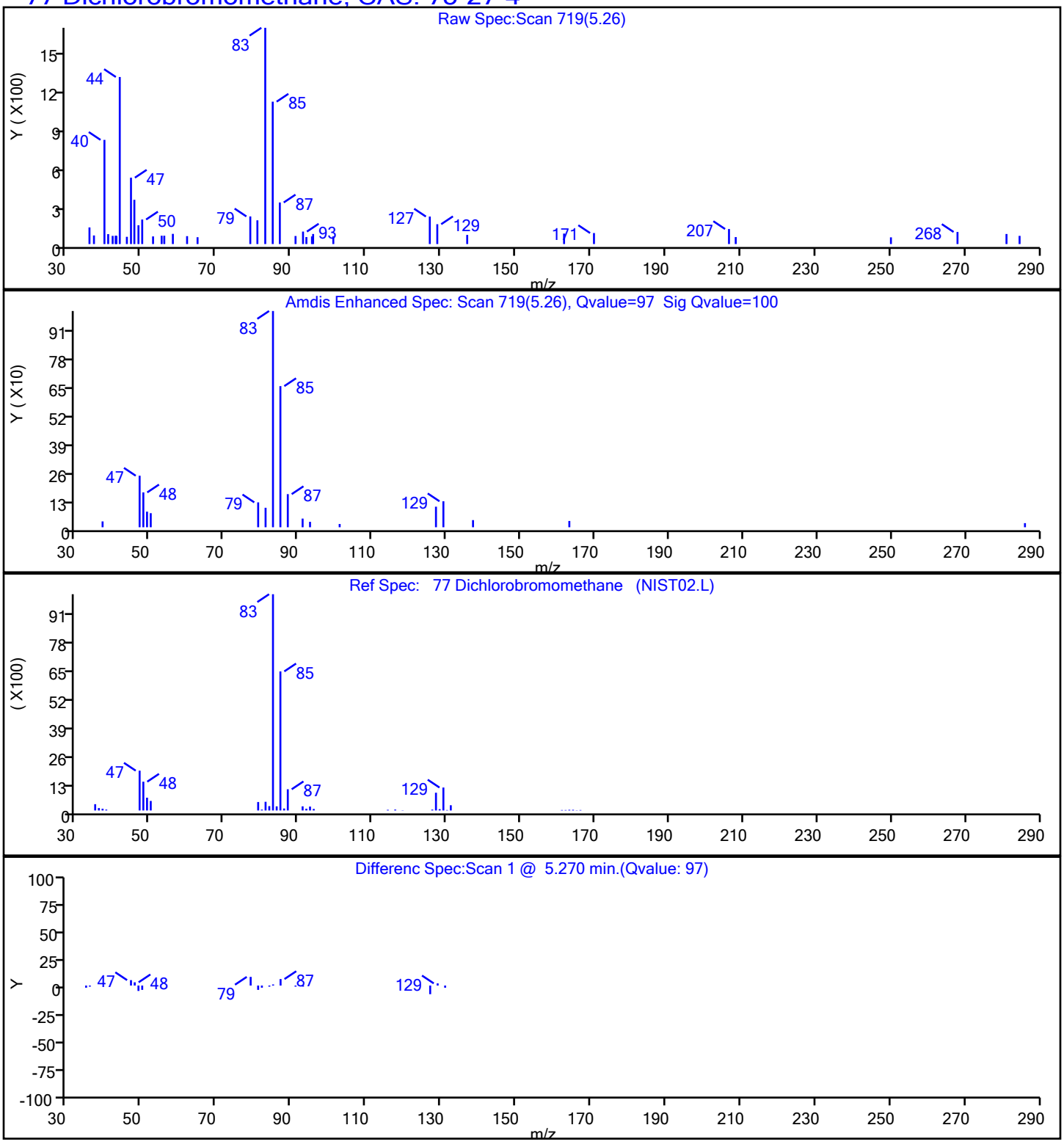


2/7/2023 12:09 PM

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D				
Injection Date:	06-Feb-2023 10:12:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-1	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

77 Dichlorobromomethane, CAS: 75-27-4



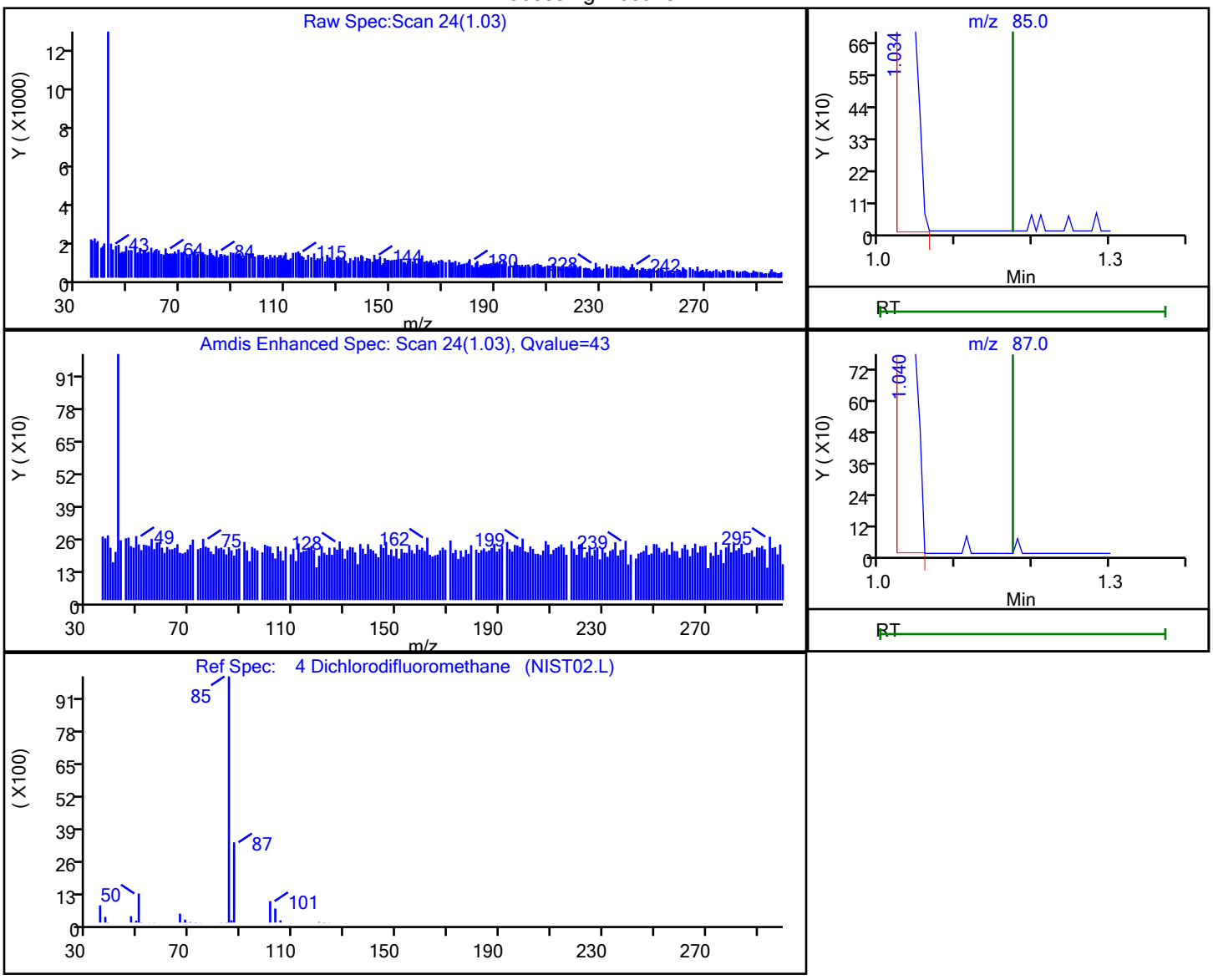
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86211.D				
Injection Date:	06-Feb-2023 10:12:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-1	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.03	85.00	2822	0.560436
1.04	87.00	1445	

Reviewer: NN6A, 06-Feb-2023 10:39:35

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.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: J86212.D

Analysis Method: 8260D | Date Collected: 02/02/2023 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 10:37

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
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
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.33
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
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	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: J86212.D

Analysis Method: 8260D | Date Collected: 02/02/2023 13:35

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 10:37

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	2.7		1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
104-51-8	n-Butylbenzene	1.0	U	1.0	0.32
103-65-1	N-Propylbenzene	1.0	U	1.0	0.32
95-47-6	o-Xylene	1.0	U	1.0	0.36
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.37
100-42-5	Styrene	1.0	U	1.0	0.42
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.34
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-128
460-00-4	4-Bromofluorobenzene	101		76-120
1868-53-7	Dibromofluoromethane (Surr)	103		77-124
2037-26-5	Toluene-d8 (Surr)	90		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86212.D
Lims ID: 460-273970-B-2
Client ID: MW-10_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 10:37:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-2
Misc. Info.: 460-0156388-015
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:09:47 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 11:09:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.404	2.409	-0.005	74	207266	1000.0	
33 Methyl tert-butyl ether	73	2.550	2.549	0.001	94	21181	2.69	
* 43 2-Butanone-d5	46	3.317	3.321	-0.004	85	350203	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.743	3.747	-0.004	95	136844	51.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.071	4.076	-0.005	0	180744	43.4	
* 66 Fluorobenzene	96	4.333	4.337	-0.004	97	568678	50.0	
* 72 1,4-Dioxane-d8	96	5.038	5.043	-0.005	0	25131	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.048	6.047	0.001	98	440024	45.0	
* 94 Chlorobenzene-d5	117	7.995	7.999	-0.004	89	432942	50.0	
$ 105 4-Bromofluorobenzene	174	9.327	9.326	0.001	92	145433	50.3	
* 121 1,4-Dichlorobenzene-d4	152	10.374	10.378	-0.004	97	237997	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00235 Amount Added: 1.00 Units: uL Run Reagent

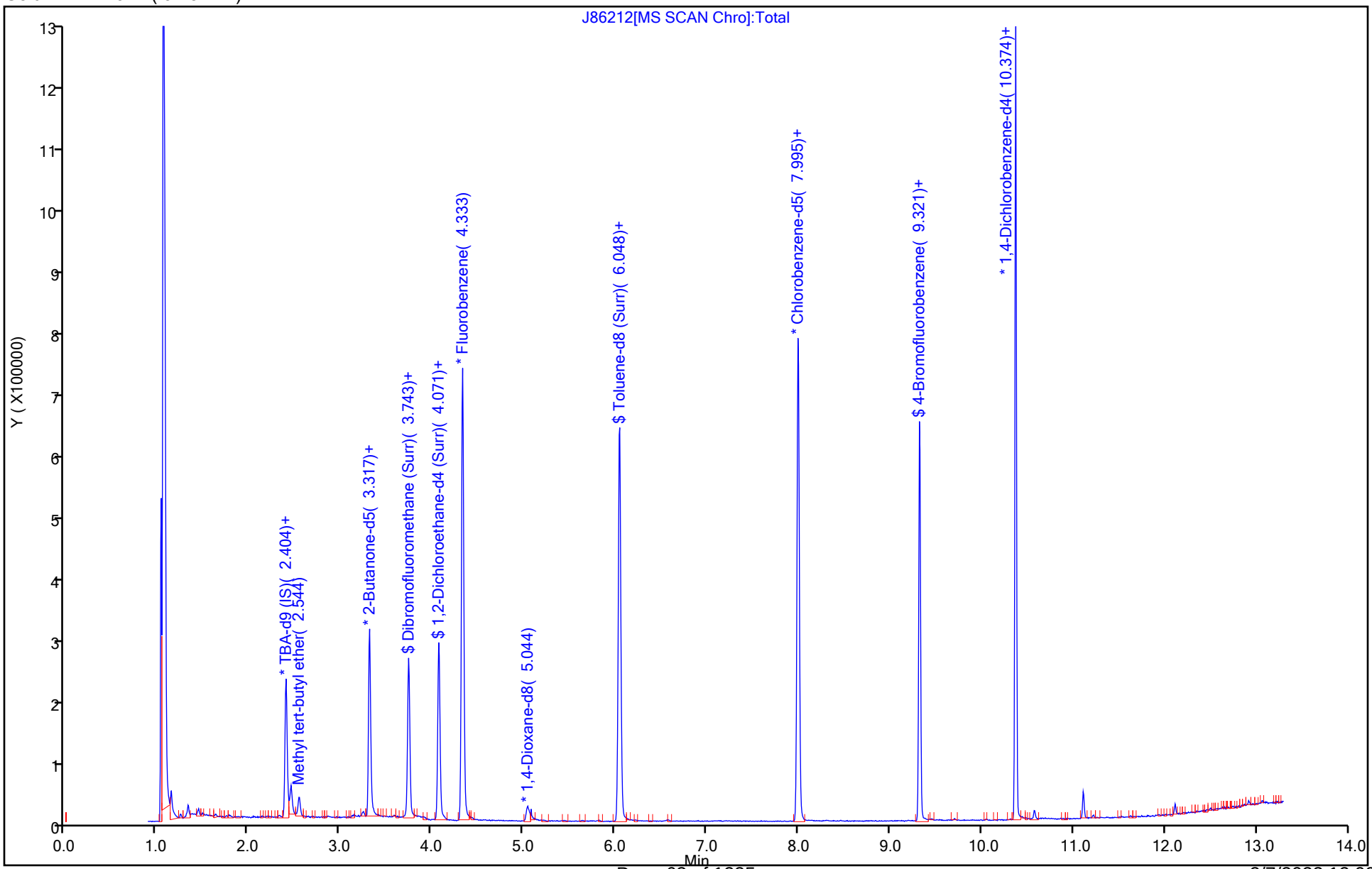
Report Date: 06-Feb-2023 11:09:47 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86212.D

Injection Date:	06-Feb-2023 10:37:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-273970-B-2	Lab Sample ID:	460-273970-2	Worklist Smp#:	15
Client ID:	MW-10_20230202				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86212.D
Lims ID: 460-273970-B-2
Client ID: MW-10_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 10:37:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-2
Misc. Info.: 460-0156388-015
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:09:47 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

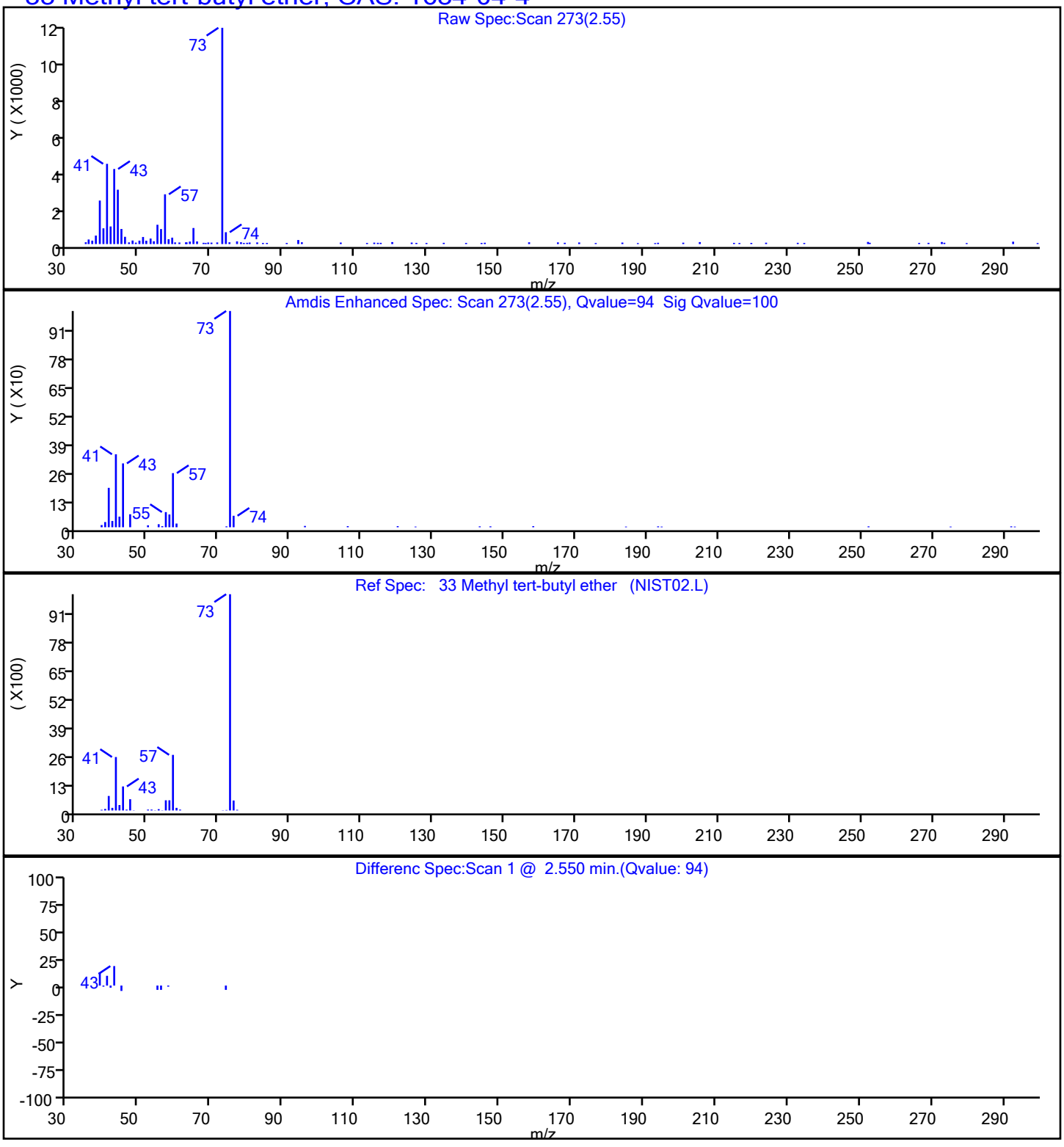
First Level Reviewer: NN6A Date: 06-Feb-2023 11:09:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	51.7	103.39
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	43.4	86.87
$ 83 Toluene-d8 (Surr)	50.0	45.0	90.03
$ 105 4-Bromofluorobenzene	50.0	50.3	100.59

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86212.D		
Injection Date:	06-Feb-2023 10:37:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-2	Lab Sample ID:	460-273970-2
Client ID:	MW-10_20230202		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

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



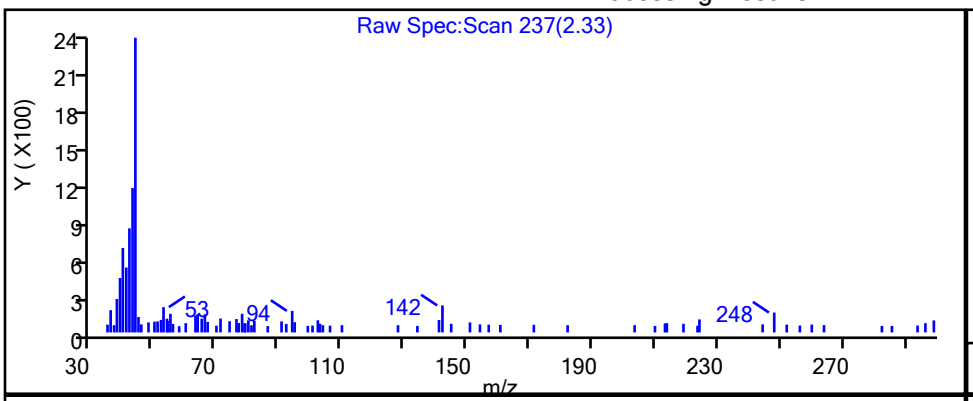
User Disabled Compound Report

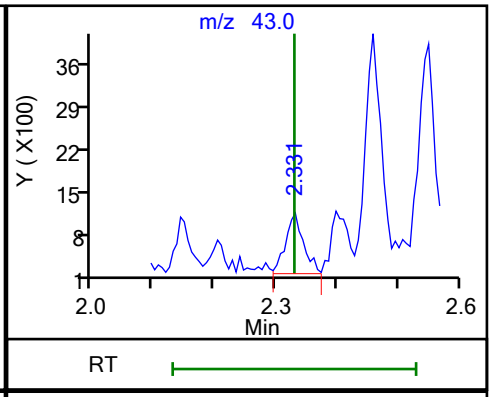
Eurofins Edison

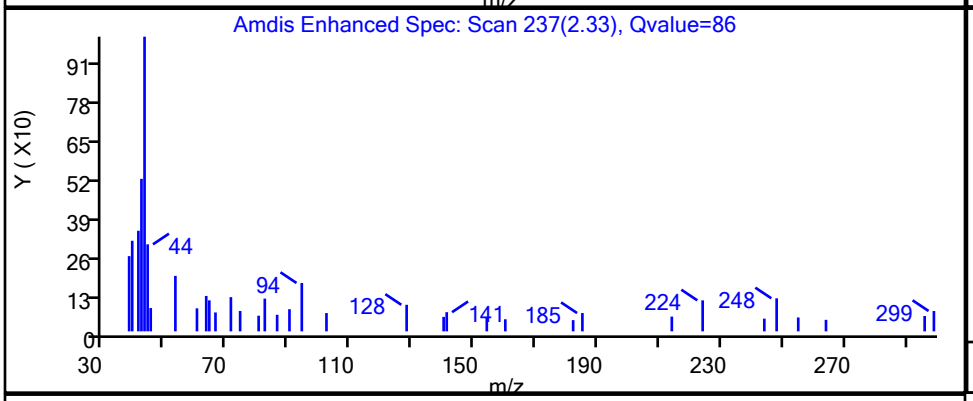
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86212.D				
Injection Date:	06-Feb-2023 10:37:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-2	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

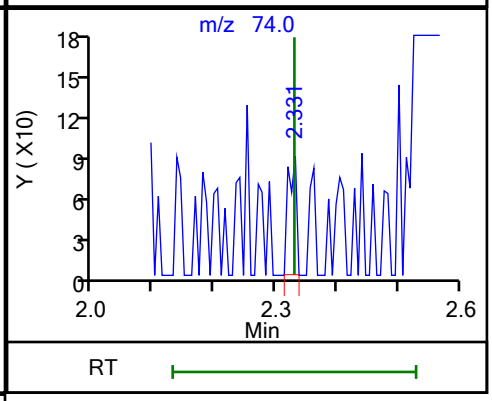
28 Methyl acetate, CAS: 79-20-9

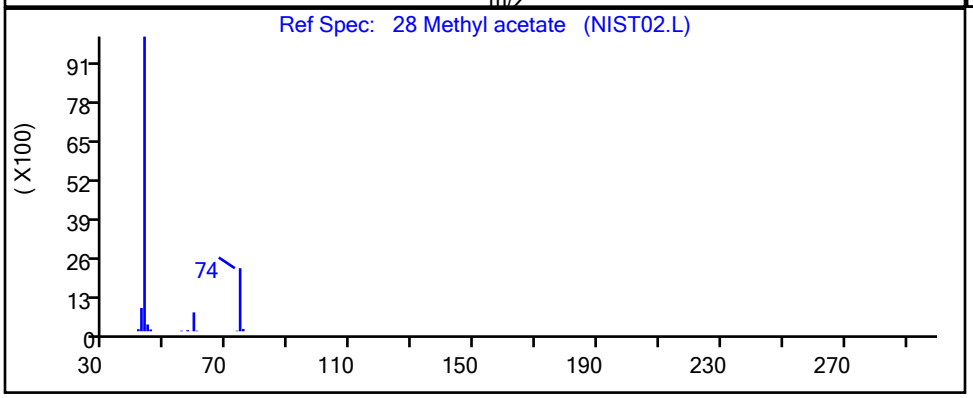
Processing Results











RT	Mass	Response	Amount
2.33	43.00	1929	0.701987
2.33	74.00	85	

Reviewer: NN6A, 06-Feb-2023 11:09:44

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.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: J86213.D

Analysis Method: 8260D | Date Collected: 02/02/2023 14:05

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 11:02

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
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
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.33
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	4.6	J	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
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	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: J86213.D

Analysis Method: 8260D | Date Collected: 02/02/2023 14:05

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 11:02

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	7.1		1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
104-51-8	n-Butylbenzene	1.0	U	1.0	0.32
103-65-1	N-Propylbenzene	1.0	U	1.0	0.32
95-47-6	o-Xylene	1.0	U	1.0	0.36
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.37
100-42-5	Styrene	1.0	U	1.0	0.42
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.34
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-128
460-00-4	4-Bromofluorobenzene	99		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D
Lims ID: 460-273970-B-3
Client ID: MW-09_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 11:02:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-3
Misc. Info.: 460-0156388-016
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:19:04 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 11:19:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	43	2.148	2.147	0.001	85	4762	4.61	
* 30 TBA-d9 (IS)	65	2.403	2.409	-0.006	74	223766	1000.0	
33 Methyl tert-butyl ether	73	2.549	2.549	0.000	93	58975	7.14	
* 43 2-Butanone-d5	46	3.316	3.321	-0.005	85	378255	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.742	3.747	-0.005	95	139012	50.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.070	4.076	-0.006	0	186244	42.6	
* 66 Fluorobenzene	96	4.332	4.337	-0.005	97	597390	50.0	
* 72 1,4-Dioxane-d8	96	5.043	5.043	0.000	0	25093	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.047	6.047	0.000	97	457980	46.4	
* 94 Chlorobenzene-d5	117	7.994	7.999	-0.005	89	437281	50.0	
$ 105 4-Bromofluorobenzene	174	9.326	9.326	0.000	91	143857	49.3	
* 121 1,4-Dichlorobenzene-d4	152	10.373	10.378	-0.005	97	238544	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00235 Amount Added: 1.00 Units: uL Run Reagent

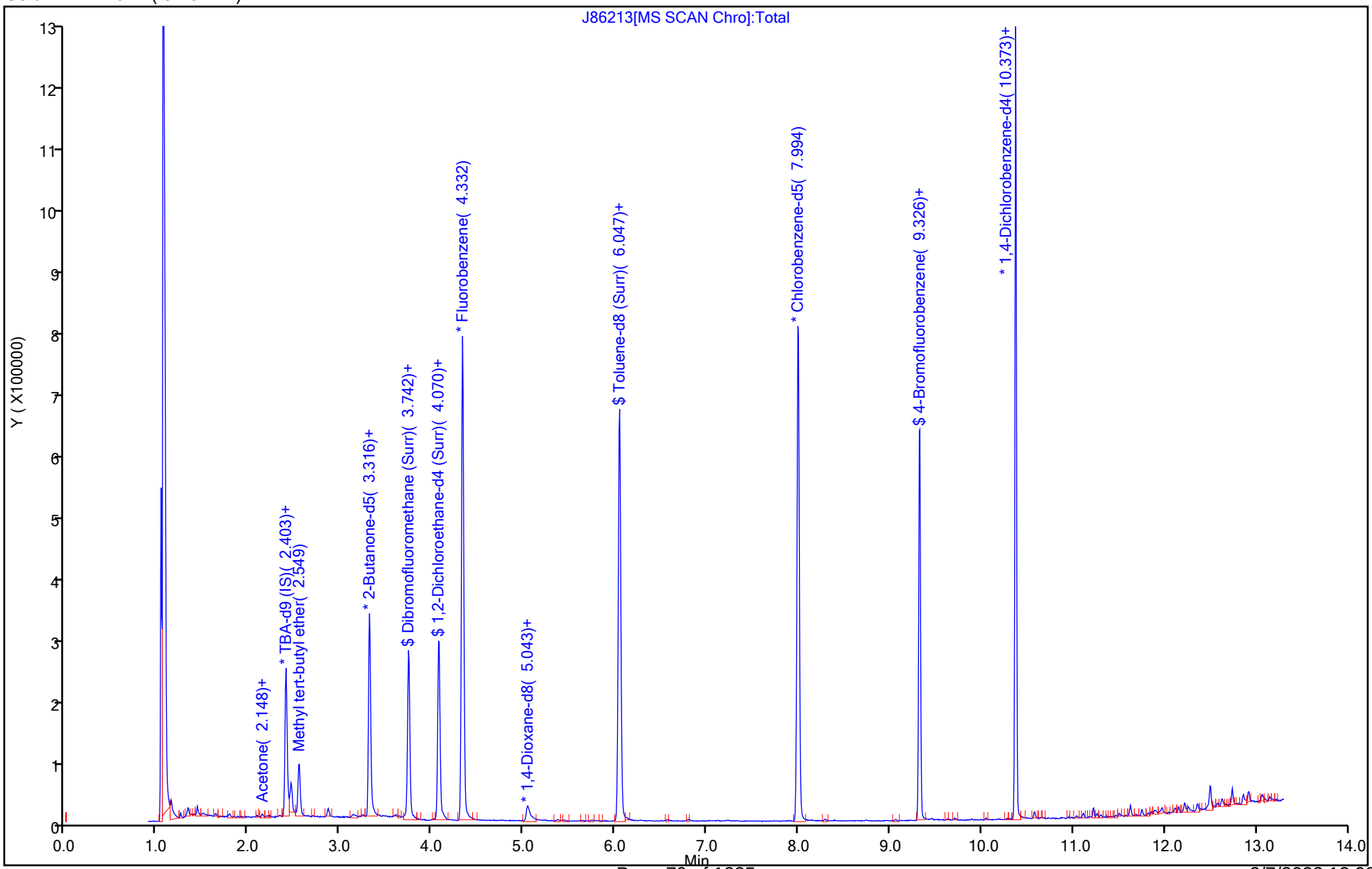
Report Date: 06-Feb-2023 11:19:05 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D

Injection Date:	06-Feb-2023 11:02:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-273970-B-3	Lab Sample ID:	460-273970-3	Worklist Smp#:	16
Client ID:	MW-09_20230202				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D
Lims ID: 460-273970-B-3
Client ID: MW-09_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 11:02:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-3
Misc. Info.: 460-0156388-016
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:19:04 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

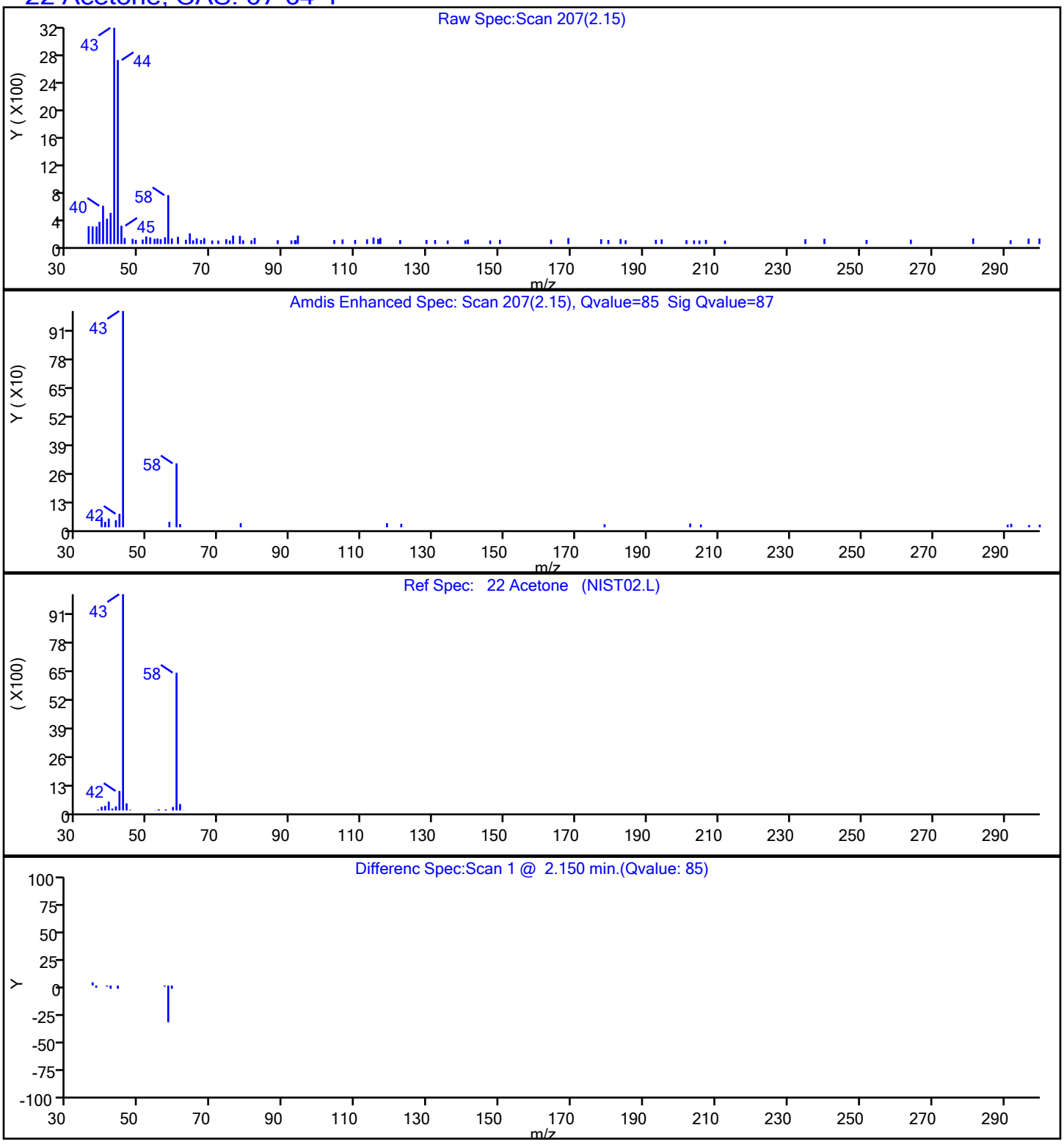
First Level Reviewer: NN6A Date: 06-Feb-2023 11:19:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	50.0	99.98
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	42.6	85.21
$ 83 Toluene-d8 (Surr)	50.0	46.4	92.77
$ 105 4-Bromofluorobenzene	50.0	49.3	98.51

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D		
Injection Date:	06-Feb-2023 11:02:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-3	Lab Sample ID:	460-273970-3
Client ID:	MW-09_20230202		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

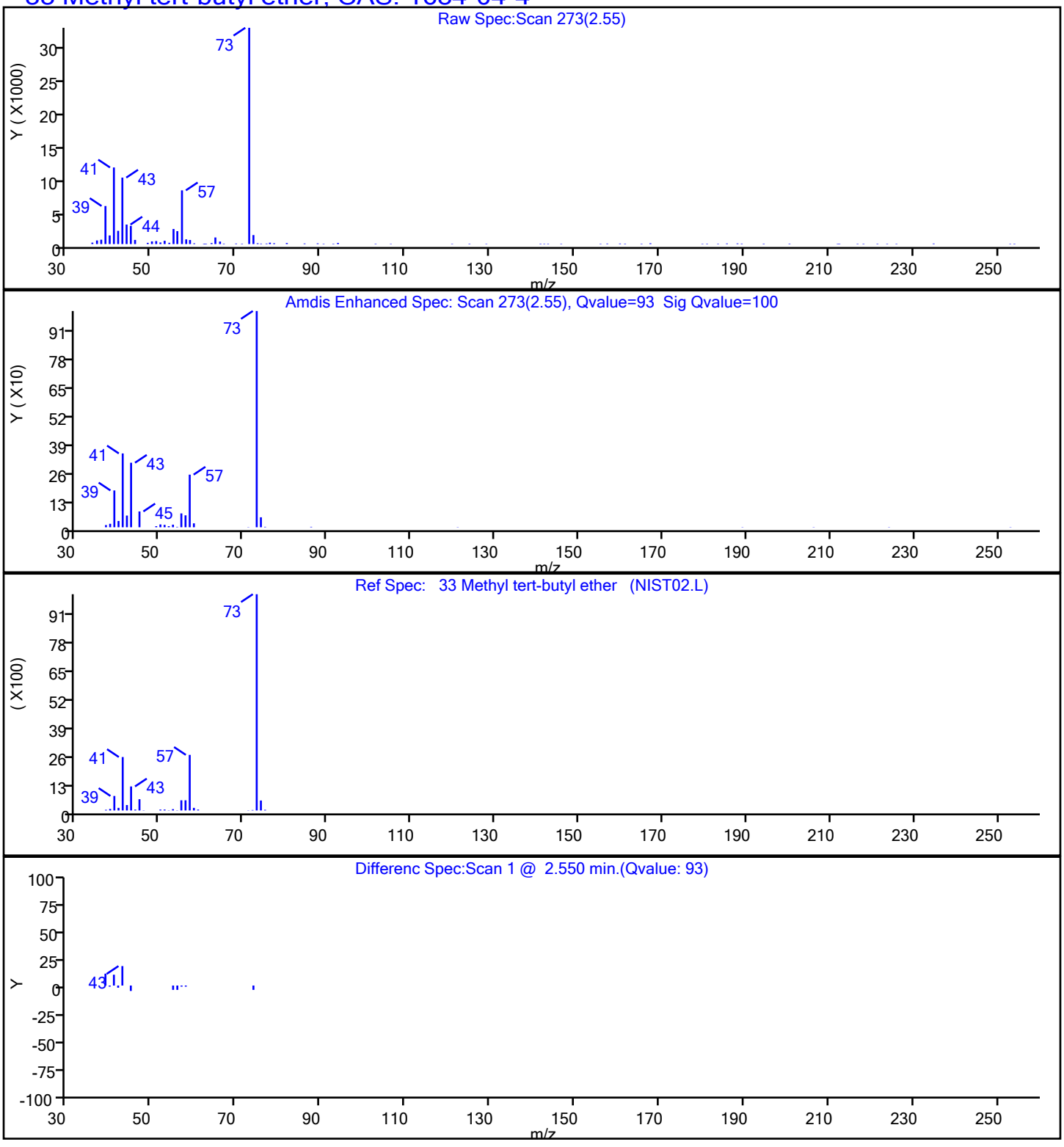
22 Acetone, CAS: 67-64-1



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D		
Injection Date:	06-Feb-2023 11:02:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-3	Lab Sample ID:	460-273970-3
Client ID:	MW-09_20230202		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

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



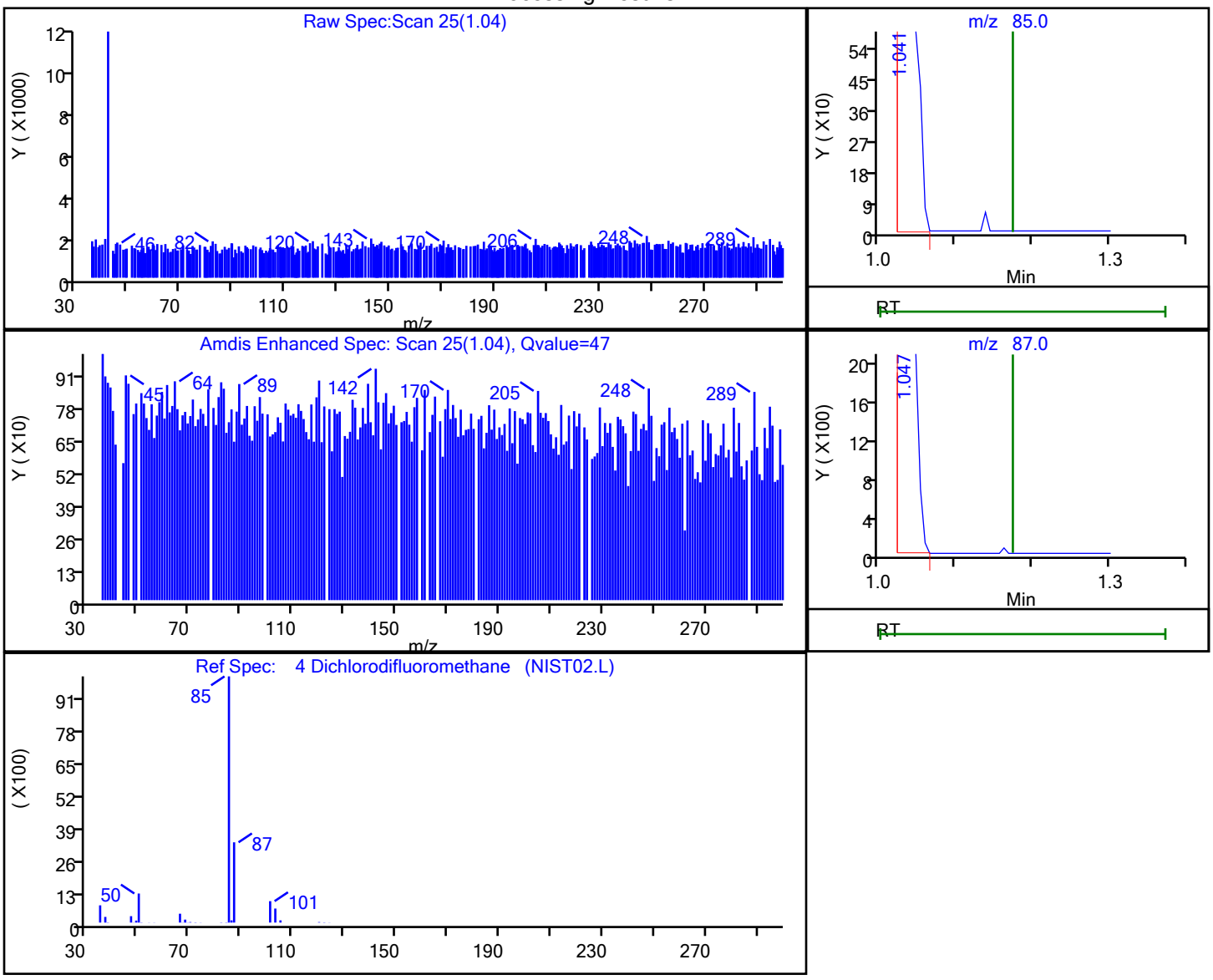
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86213.D				
Injection Date:	06-Feb-2023 11:02:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-3	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.04	85.00	1915	0.389235
1.05	87.00	2045	

Reviewer: NN6A, 06-Feb-2023 11:18:52

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.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: J86214.D

Analysis Method: 8260D | Date Collected: 02/02/2023 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 11:27

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
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
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	3.0		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	1.4		1.0	0.33
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	65		5.0	1.9
591-78-6	2-Hexanone	1.7	J	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	70		5.0	4.4
71-43-2	Benzene	11		1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
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	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: J86214.D

Analysis Method: 8260D | Date Collected: 02/02/2023 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 11:27

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	0.89	J	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	0.69	J	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	3.8		1.0	0.22
108-87-2	Methylcyclohexane	0.89	J	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	12		1.0	0.30
104-51-8	n-Butylbenzene	1.0	U	1.0	0.32
103-65-1	N-Propylbenzene	1.0	U	1.0	0.32
95-47-6	o-Xylene	0.47	J	1.0	0.36
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.37
100-42-5	Styrene	1.0	U	1.0	0.42
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.34
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	0.94	J	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	12		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-128
460-00-4	4-Bromofluorobenzene	104		76-120
1868-53-7	Dibromofluoromethane (Surr)	102		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D
Lims ID: 460-273970-B-4
Client ID: MW-08_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 11:27:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-4
Misc. Info.: 460-0156388-017
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:50:47 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 11:50:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	43	2.141	2.147	-0.006	83	71099	69.9	
24 Carbon disulfide	76	2.232	2.232	0.000	94	2547	0.2442	
* 30 TBA-d9 (IS)	65	2.403	2.409	-0.006	74	225991	1000.0	
33 Methyl tert-butyl ether	73	2.549	2.549	0.000	94	31764	3.83	
* 43 2-Butanone-d5	46	3.315	3.321	-0.006	85	372390	250.0	
46 2-Butanone (MEK)	72	3.364	3.370	-0.006	97	14953	64.6	
53 Cyclohexane	84	3.711	3.717	-0.006	91	3353	0.8865	
$ 55 Dibromofluoromethane (Surr)	113	3.741	3.747	-0.006	95	142286	51.0	
60 Benzene	78	4.057	4.057	0.000	98	135913	11.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.070	4.076	-0.006	0	187732	42.8	
* 66 Fluorobenzene	96	4.331	4.337	-0.006	97	599653	50.0	
69 Methylcyclohexane	83	4.793	4.800	-0.007	81	3577	0.8907	
* 72 1,4-Dioxane-d8	96	5.037	5.043	-0.006	0	24898	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.047	6.047	0.000	98	464010	46.7	
84 Toluene	91	6.132	6.132	0.000	93	11296	0.9353	
90 2-Hexanone	58	7.087	7.087	0.000	27	1519	1.67	
* 94 Chlorobenzene-d5	117	7.999	7.999	0.000	89	440296	50.0	
96 Ethylbenzene	106	8.145	8.145	0.000	98	2666	0.6944	
98 m-Xylene & p-Xylene	106	8.298	8.298	0.000	0	54738	11.9	
99 o-Xylene	106	8.748	8.748	0.000	93	2149	0.4694	
104 Isopropylbenzene	105	9.125	9.125	0.000	95	2824	0.2515	
$ 105 4-Bromofluorobenzene	174	9.326	9.326	0.000	90	152271	51.8	
113 1,3,5-Trimethylbenzene	105	9.715	9.715	0.000	92	14275	1.43	
117 1,2,4-Trimethylbenzene	105	10.050	10.050	0.000	98	31127	2.97	
* 121 1,4-Dichlorobenzene-d4	152	10.372	10.378	-0.006	97	246536	50.0	
S 137 Xylenes, Total	100				0		12.3	

QC Flag Legend
Processing Flags

Reagents:

8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

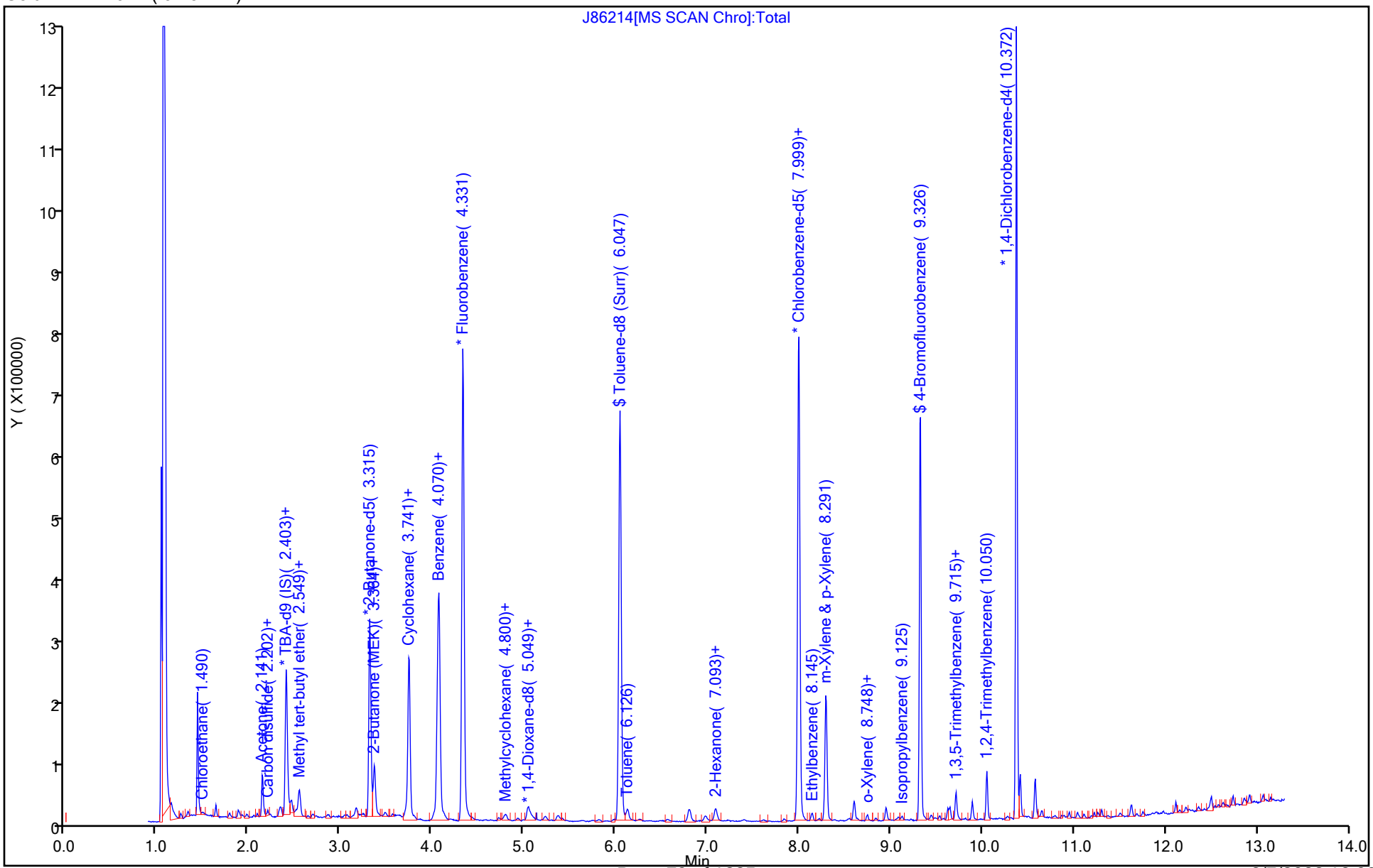
Report Date: 06-Feb-2023 11:50:47 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D

Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4	Worklist Smp#:	17
Client ID:	MW-08_20230202				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D
Lims ID: 460-273970-B-4
Client ID: MW-08_20230202
Sample Type: Client
Inject. Date: 06-Feb-2023 11:27:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-273970-B-4
Misc. Info.: 460-0156388-017
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 11:50:47 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

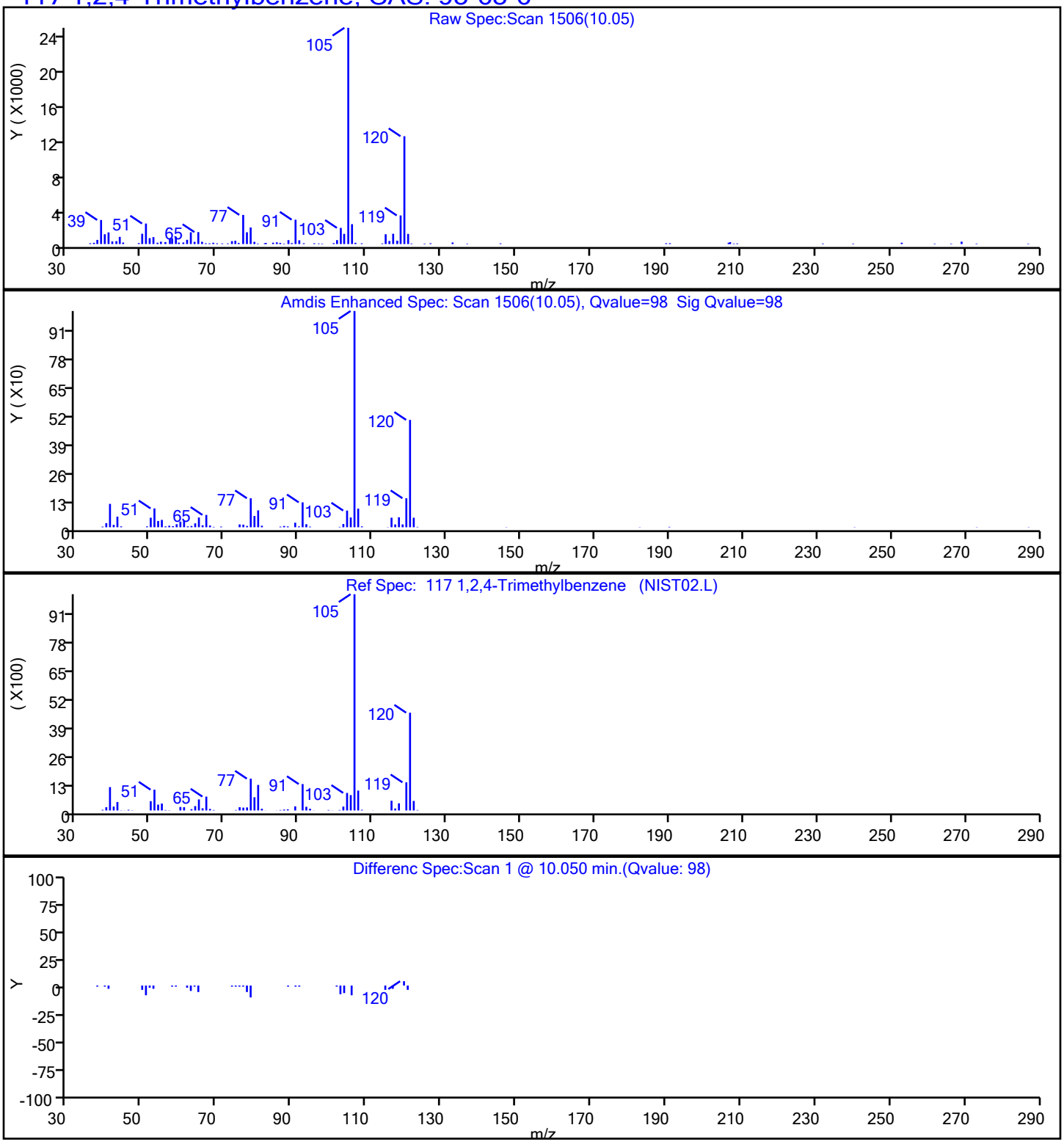
First Level Reviewer: NN6A Date: 06-Feb-2023 11:50:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	51.0	101.95
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	42.8	85.56
$ 83 Toluene-d8 (Surr)	50.0	46.7	93.35
$ 105 4-Bromofluorobenzene	50.0	51.8	103.56

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

117 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
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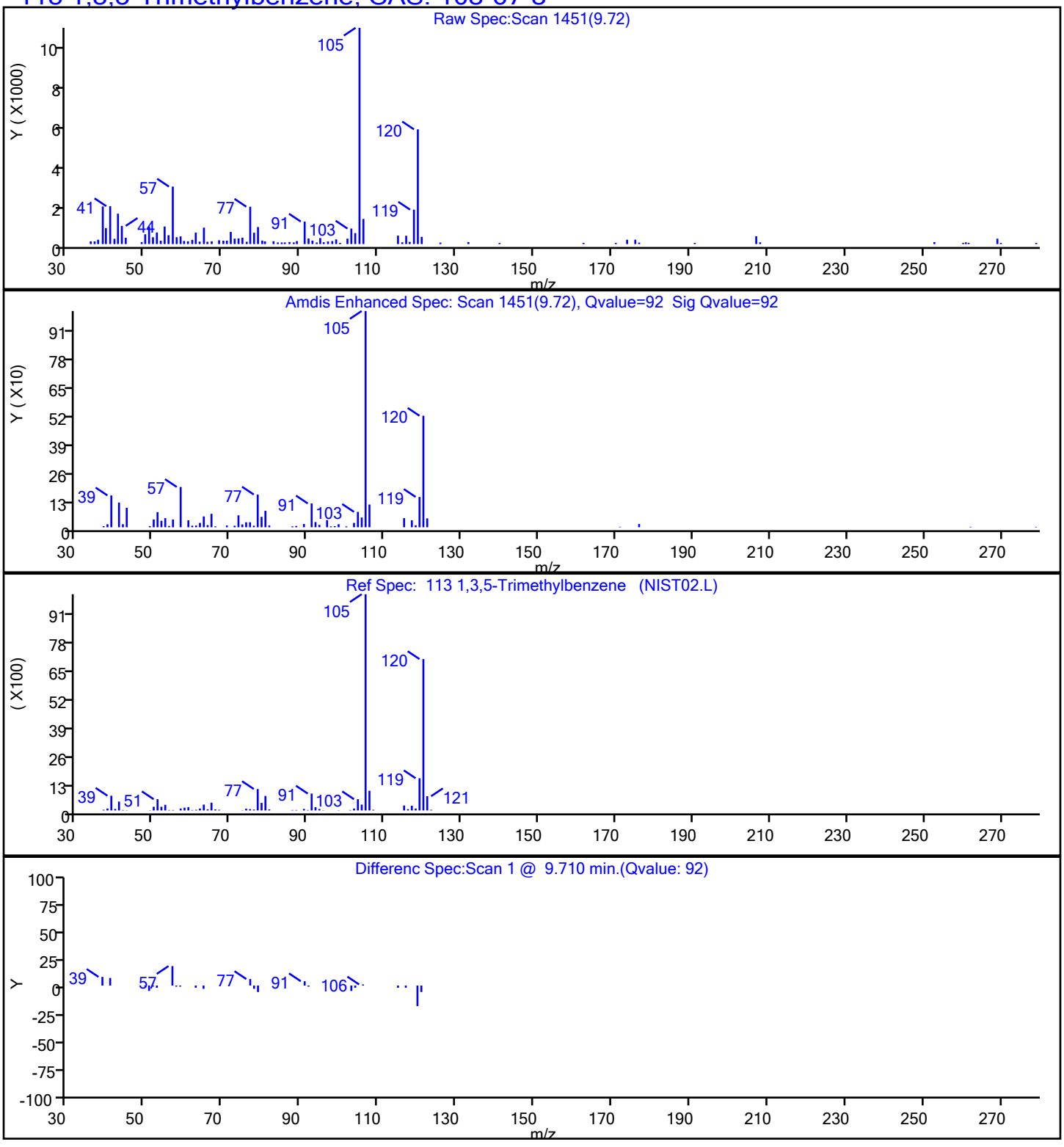
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

113 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
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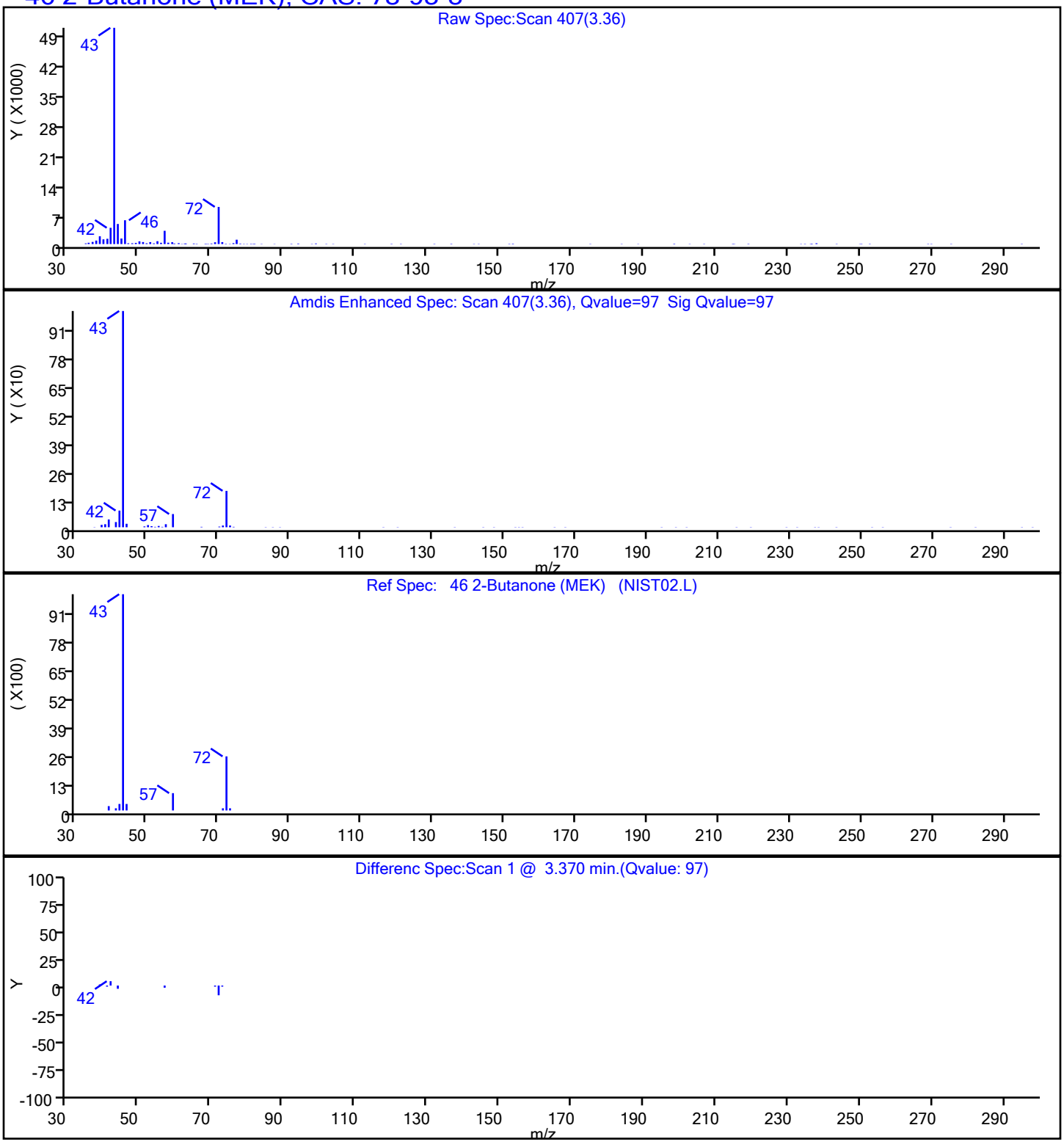
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

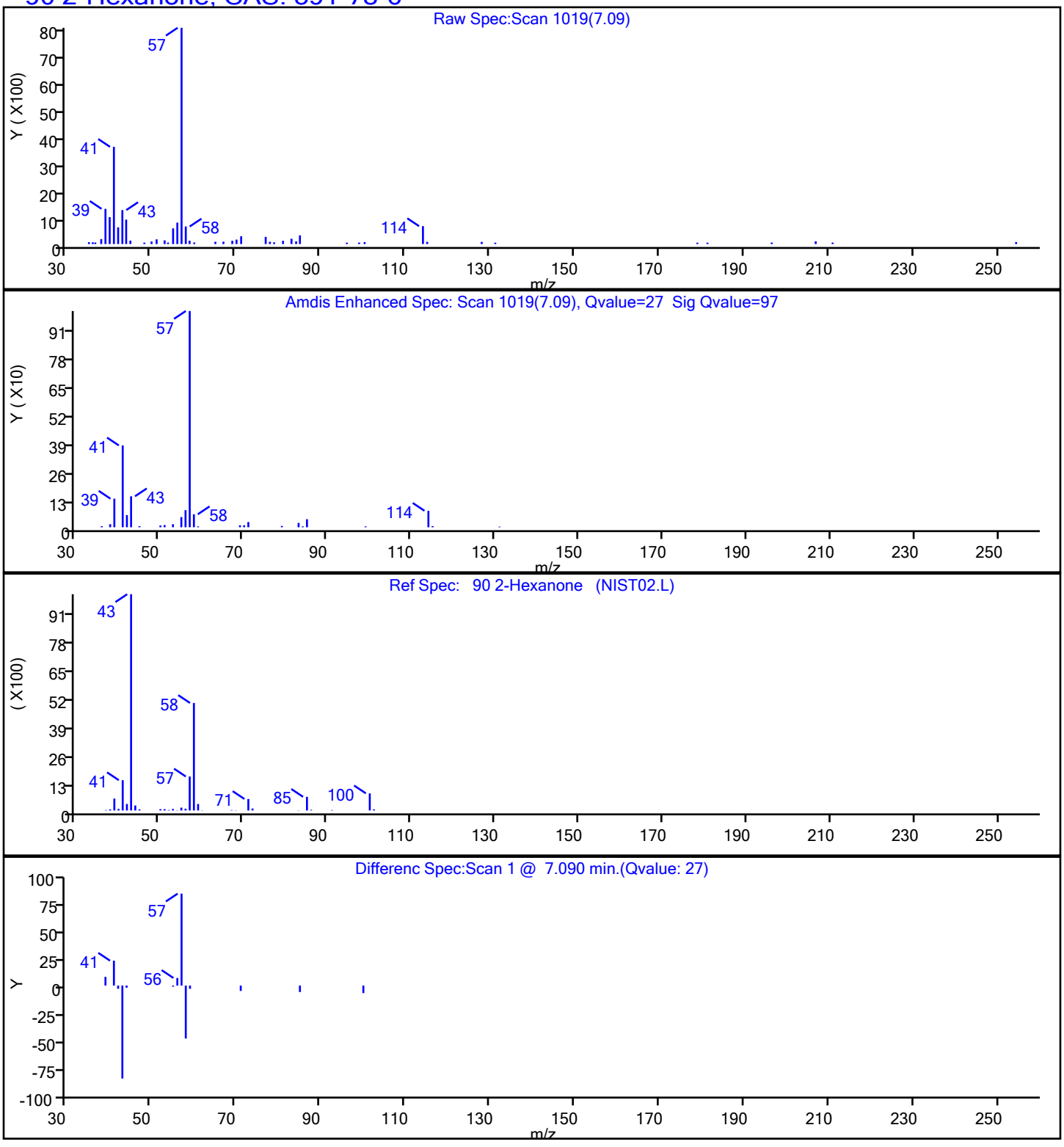
46 2-Butanone (MEK), CAS: 78-93-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

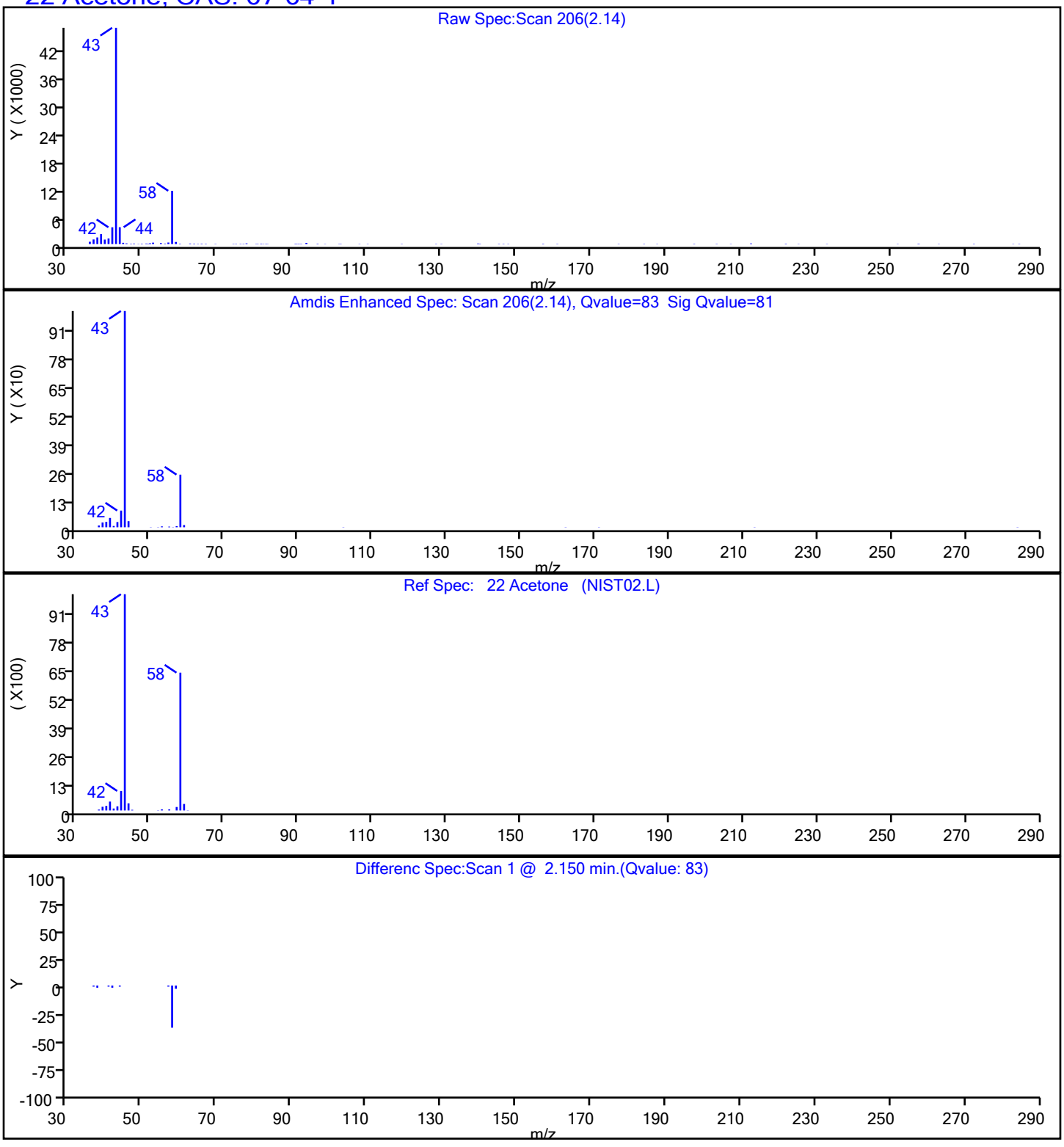
90 2-Hexanone, CAS: 591-78-6



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D
Injection Date: 06-Feb-2023 11:27:30 Instrument ID: CVOAMS8
Lims ID: 460-273970-B-4 Lab Sample ID: 460-273970-4
Client ID: MW-08_20230202
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1



Report Date: 06-Feb-2023 11:50:48 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D

Injection Date: 06-Feb-2023 11:27:30 Instrument ID: CVOAMS8

Lims ID: 460-273970-B-4 Lab Sample ID: 460-273970-4

Client ID: MW-08_20230202

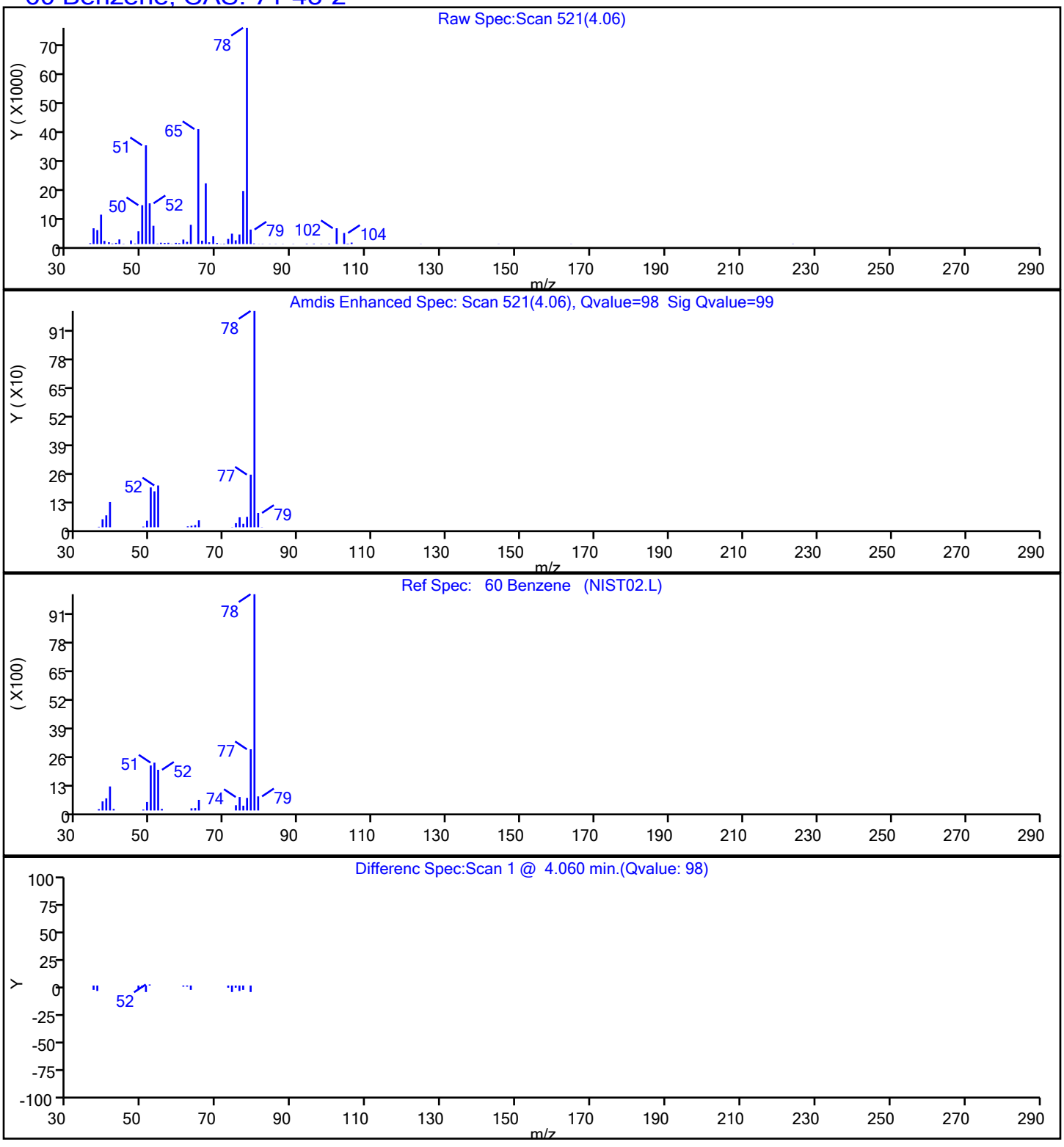
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

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

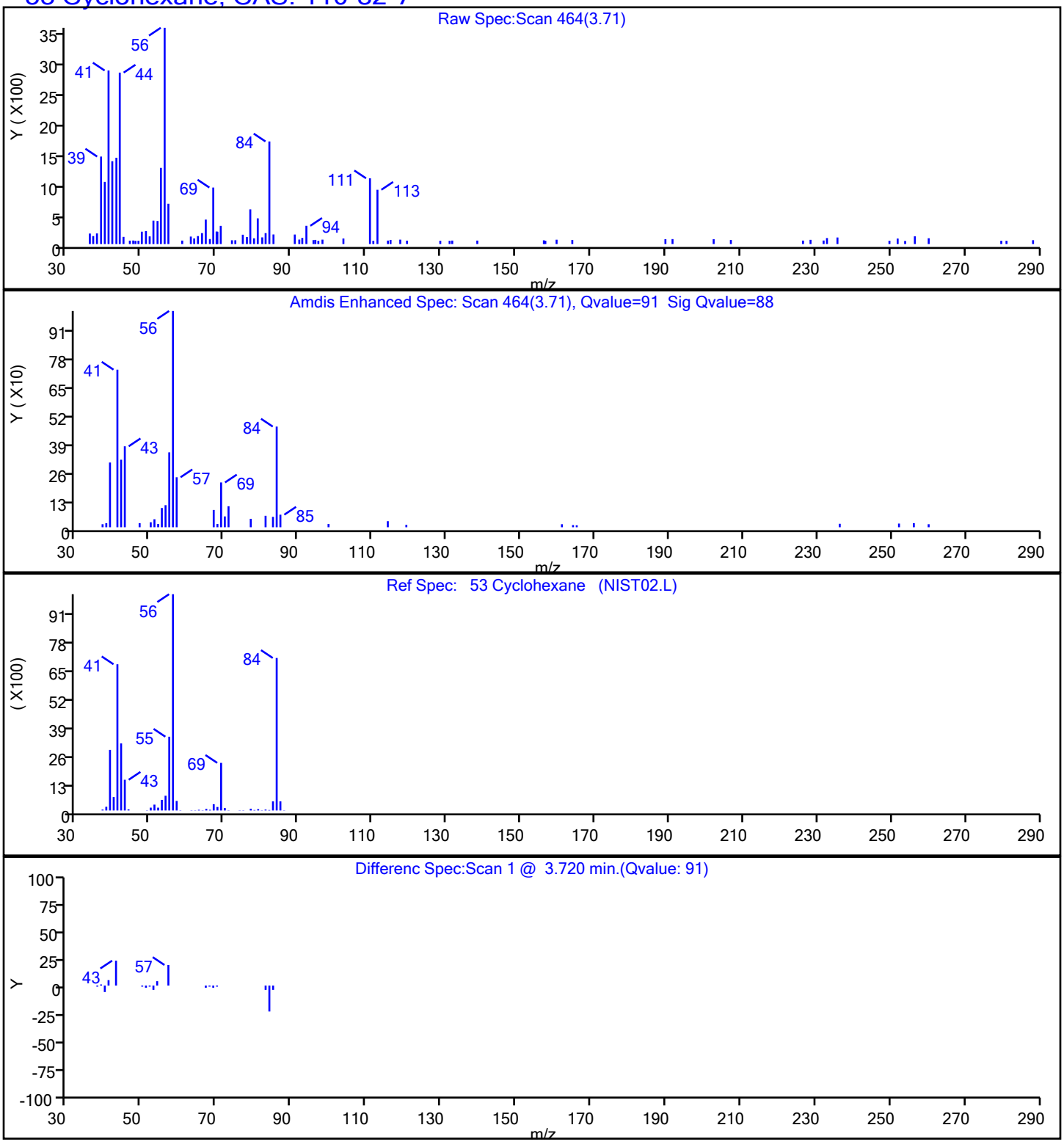
60 Benzene, CAS: 71-43-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

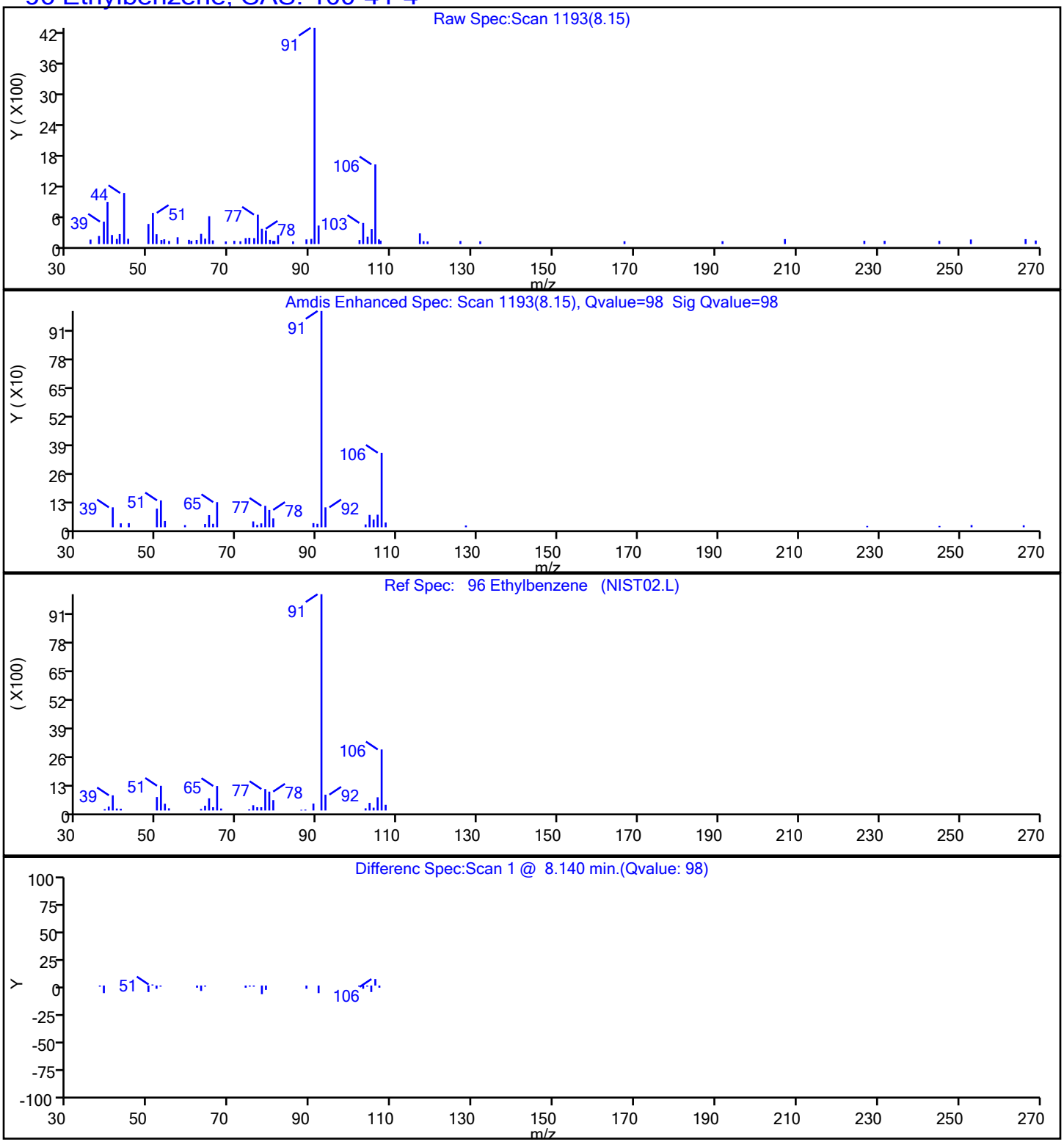
53 Cyclohexane, CAS: 110-82-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

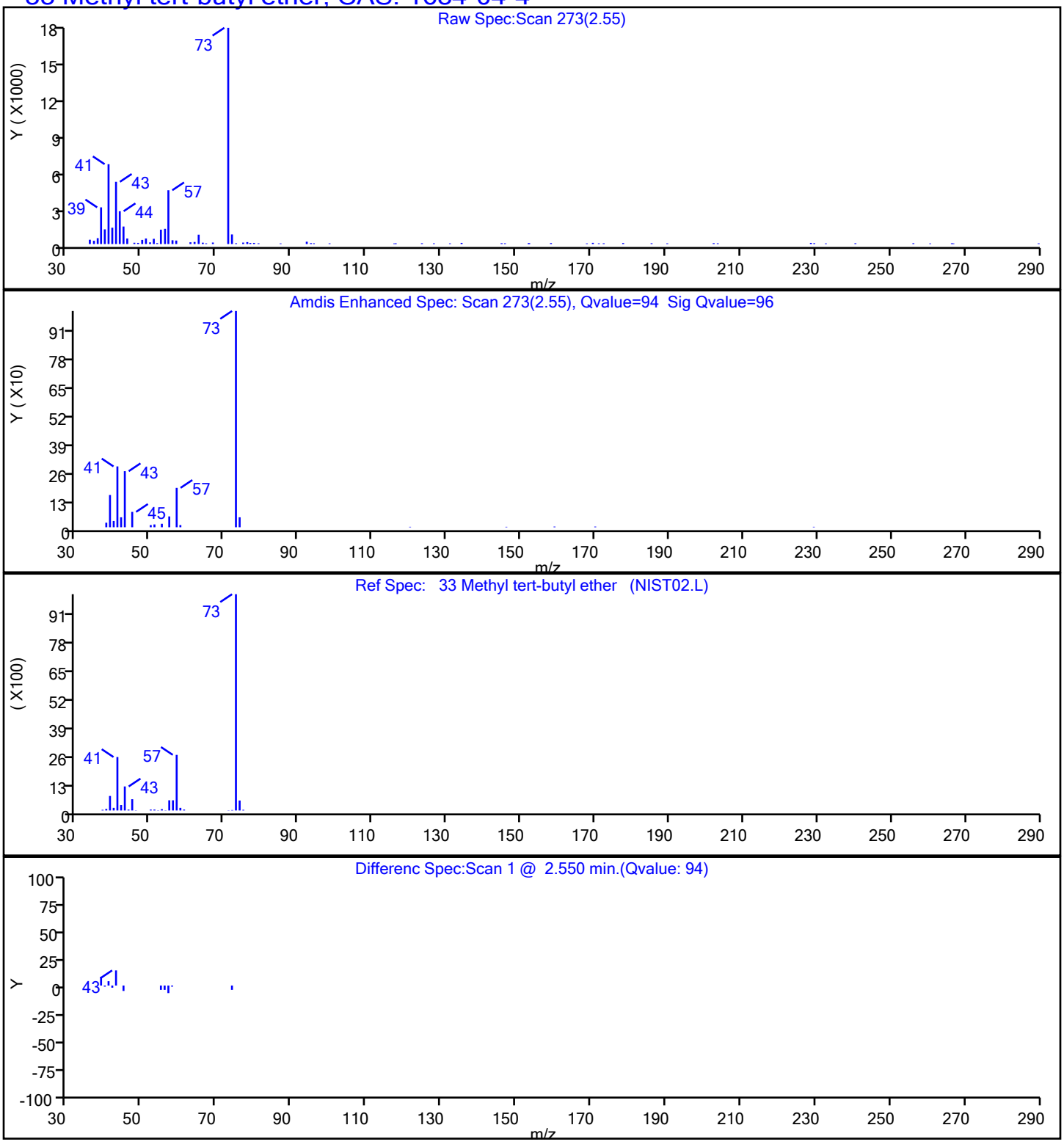
96 Ethylbenzene, CAS: 100-41-4



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

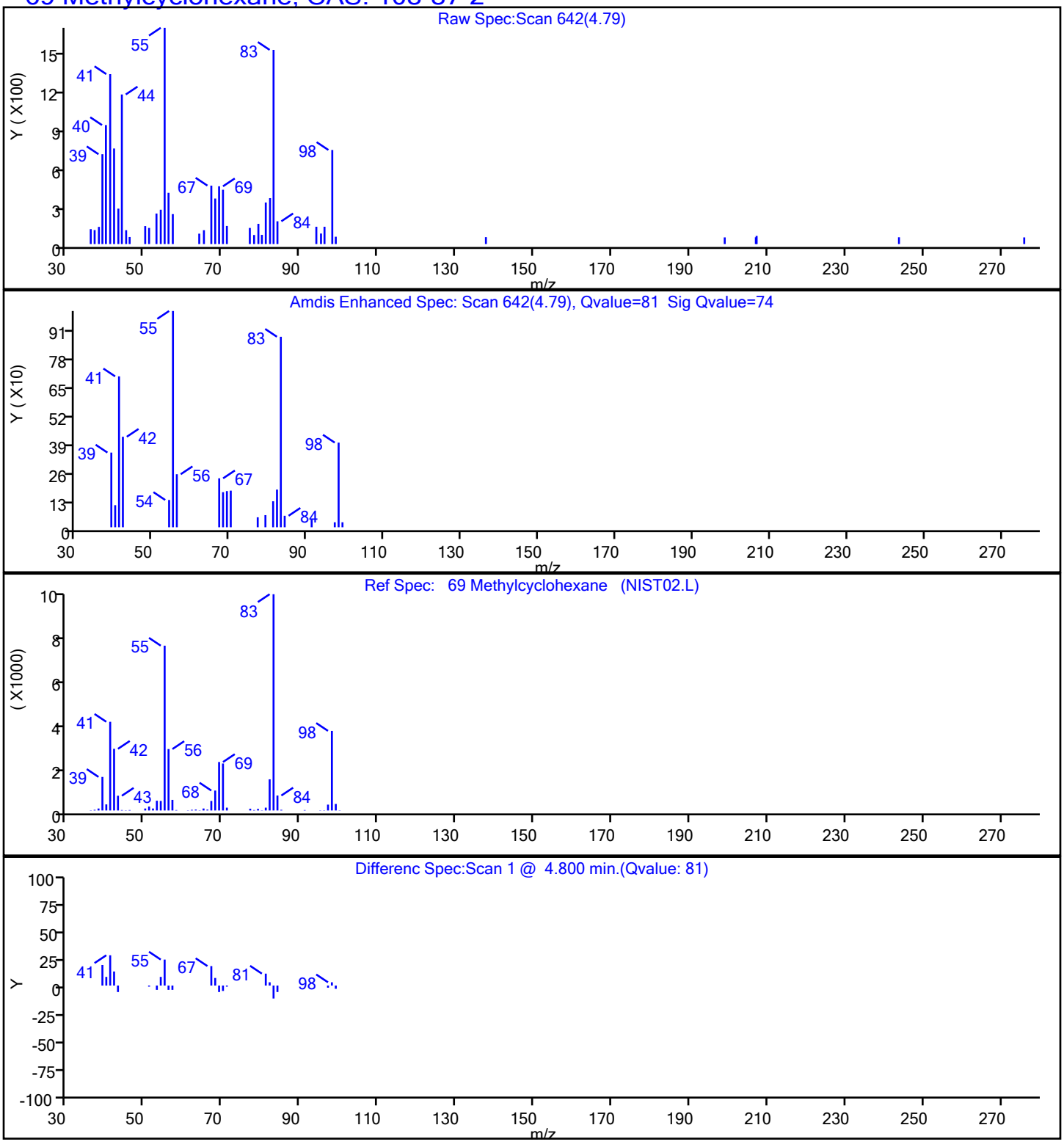
33 Methyl tert-butyl ether, CAS: 1634-04-4



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

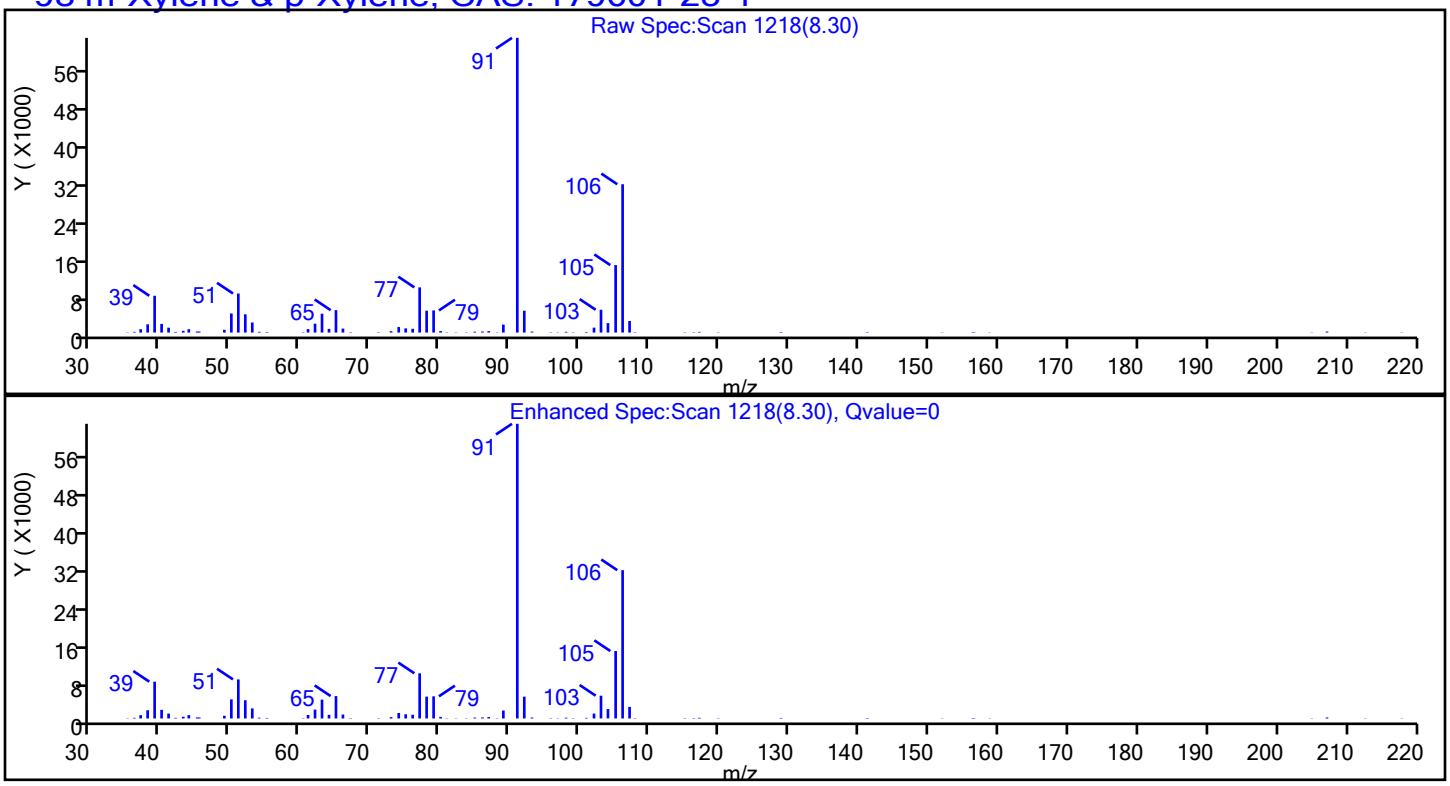
69 Methylcyclohexane, CAS: 108-87-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

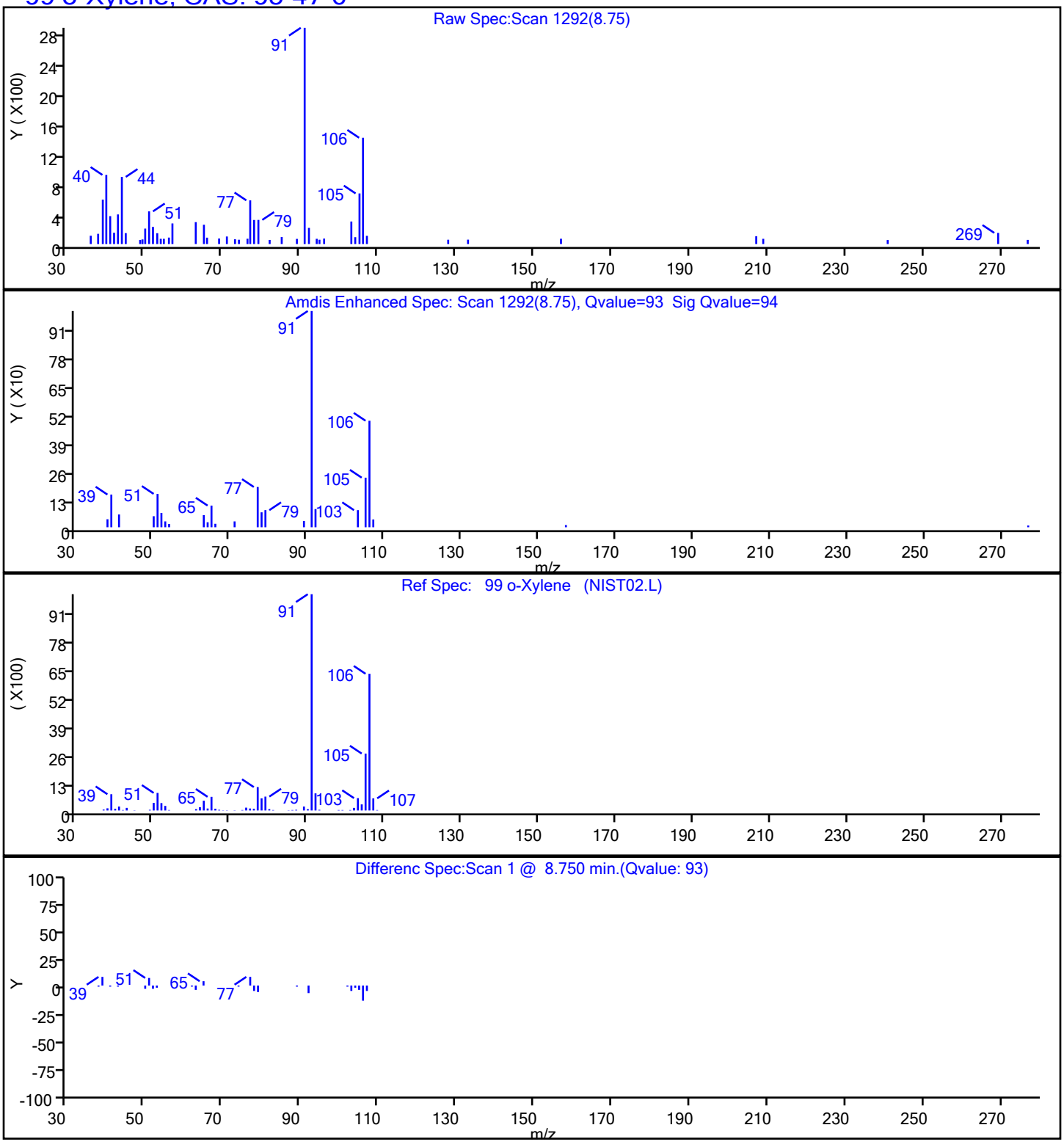
98 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

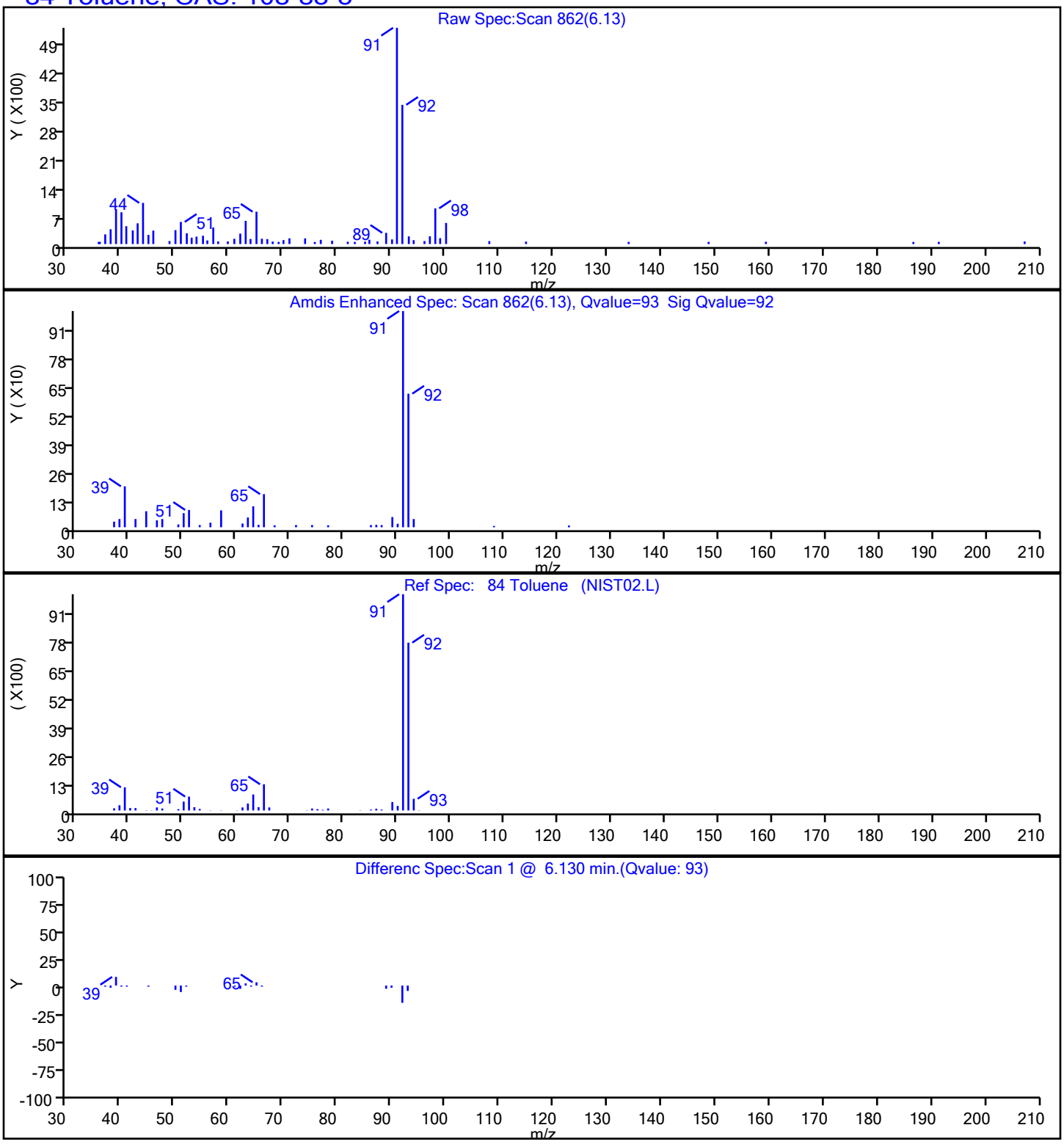
99 o-Xylene, CAS: 95-47-6



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D		
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

84 Toluene, CAS: 108-88-3



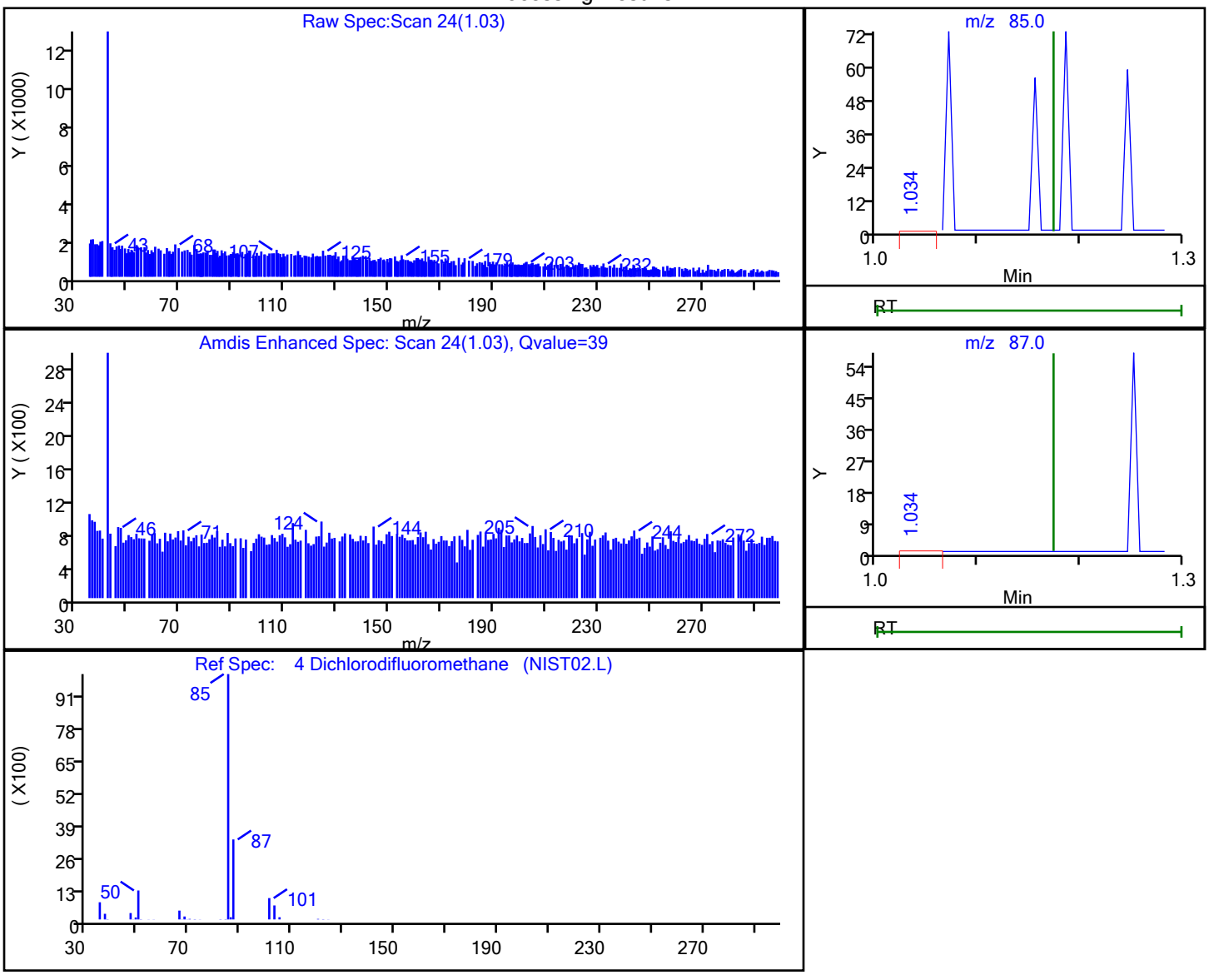
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86214.D				
Injection Date:	06-Feb-2023 11:27:30	Instrument ID:	CVOAMS8		
Lims ID:	460-273970-B-4	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.03	85.00	1699	0.344029
1.03	87.00	1870	

Reviewer: NN6A, 06-Feb-2023 11:50:03

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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-888485/3	J85634.D
Level 2	STD1 460-888485/4	J85635.D
Level 3	STD5 460-888485/5	J85636.D
Level 4	STD20 460-888485/6	J85637.D
Level 5	STD50 460-888485/7	J85638.D
Level 6	STD200 460-888485/11	J85642.D
Level 7	STD500 460-888485/9	J85640.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0267	0.0263 0.0263	0.0264	0.0259	0.0272	Ave		0.0265				1.7		20.0			
Dichlorodifluoromethane	+++++ 0.4869	0.3462 0.4557	0.3874	0.3909	0.4035	Ave		0.4118			0.1000	12.4		20.0			
Chlorodifluoromethane	+++++ 0.0656	0.0784 0.0677	0.0778	0.0767	0.0751	Ave		0.0736				7.5		20.0			
Chloromethane	+++++ 0.6048	0.5703 0.5722	0.5296	0.5487	0.5609	Ave		0.5644			0.1000	4.5		20.0			
Vinyl chloride	+++++ 0.3931	0.3983 0.3724	0.3623	0.3591	0.3710	Ave		0.3760			0.1000	4.3		20.0			
Butadiene	0.3625 0.4144	0.3709 0.3796	0.3702	0.3783	0.3863	Ave		0.3803				4.4		20.0			
Bromomethane	+++++ 0.1639	0.0820 0.1756	0.0878	0.0968	0.1097	QuaF		0.1480	0.0000557		0.1000				0.9990		0.9900
Chloroethane	+++++ 0.1948	0.2100 0.1795	0.1984	0.1891	0.1905	Ave		0.1937			0.1000	5.3		20.0			
Dichlorofluoromethane	+++++ 0.5643	0.6086 0.5448	0.5855	0.5701	0.5911	Ave		0.5774				3.9		20.0			
Trichlorofluoromethane	+++++ 0.4355	0.4187 0.4122	0.4287	0.4222	0.4364	Ave		0.4256			0.1000	2.3		20.0			
Pentane	+++++ 0.6077	0.5775 0.5665	0.6503	0.6711	0.6991	Ave		0.6287				8.5		20.0			
Ethanol	+++++ 0.0289	+++++ 0.0448	0.0394	0.0411	0.0430	Ave		0.0395				15.8		20.0			
Ethyl ether	+++++ 0.2161	0.2057 0.2213	0.2510	0.2454	0.2411	Ave		0.2301				7.9		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.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	+++++ 0.3173	0.2623 0.3265	0.3406	0.3405	0.3499	Ave		0.3229				9.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.1770	0.1597 0.1837	0.1859	0.1834	0.1948	Ave		0.1808				6.5		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3377	0.3208 0.3674	0.3867	0.3637	0.3637	Ave		0.3567				6.6		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2244	0.2180 0.2302	0.2466	0.2453	0.2486	Ave		0.2355			0.1000	5.5		20.0			
Acrolein	+++++ 1.9323	1.5470 +++++	2.0399	1.9344	1.6661	Ave		1.8239				11.4		20.0			
1,1-Dichloroethene	+++++ 0.1975	0.1875 0.2062	0.2131	0.2191	0.2198	Ave		0.2072			0.1000	6.2		20.0			
Acetone	+++++ 0.6473	0.8493 0.6252	0.6640	0.6510	0.6582	Ave		0.6825			0.0500	12.1		20.0			
Iodomethane	+++++ 0.2630	0.0646 0.2432	0.1549	0.1857	0.2244	QuaF		0.2673	-0.000048						0.9990		0.9900
Isopropyl alcohol	+++++ 0.4056	0.5597 0.6197	0.4761	0.5531	0.6331	Ave		0.5412				16.0		20.0			
Carbon disulfide	+++++ 0.8305	0.8422 0.8227	0.8879	0.9049	0.9295	Ave		0.8696			0.1000	5.1		20.0			
3-Chloro-1-propene	+++++ 0.1462	0.1466 0.1426	0.1538	0.1499	0.1577	Ave		0.1495				3.7		20.0			
Methyl acetate	+++++ 11.440	13.529 12.112	15.988	13.147	13.332	Ave		13.258			0.1000	11.8		20.0			
Cyclopentene	+++++ 0.5833	0.5254 0.6015	0.5946	0.6109	0.6587	Ave		0.5957				7.2		20.0			
Acetonitrile	+++++ 1.8368	2.1343 2.0386	2.0238	2.0584	2.1472	Ave		2.0398				5.5		20.0			
Methylene Chloride	+++++ 0.2367	0.2587 0.2453	0.2724	0.2741	0.2704	Ave		0.2596			0.1000	6.0		20.0			
2-Methyl-2-propanol	+++++ 0.5663	0.6108 0.7753	0.7333	0.7347	0.7852	Ave		0.7009				12.9		20.0			
Methyl tert-butyl ether	+++++ 0.6522	0.6019 0.6698	0.7391	0.7359	0.7499	Ave		0.6915			0.1000	8.6		20.0			
trans-1,2-Dichloroethene	+++++ 0.2218	0.2331 0.2294	0.2369	0.2414	0.2447	Ave		0.2346			0.1000	3.6		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.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	5.2755 4.1808	4.0434 4.2768	5.0809	4.8403	4.8891	Ave		4.655 2				10.4		20.0			
Hexane	+++++ 0.3636	0.3136 0.3537	0.3397	0.3604	0.3904	Ave		0.353 6				7.3		20.0			
Isopropyl ether	+++++ 1.1056	1.0500 1.1937	1.2374	1.2585	1.3457	Ave		1.198 5				8.9		20.0			
1,1-Dichloroethane	+++++ 0.5263	0.5154 0.5553	0.5626	0.5874	0.6150	Ave		0.560 4			0.2000	6.6		20.0			
Vinyl acetate	+++++ 0.6763	0.4233 0.5684	0.5766	0.6240	0.6263	Ave		0.582 5				15.0		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2018	0.2000 0.2199	0.2028	0.2125	0.2236	Ave		0.210 1				4.8		20.0			
Tert-butyl ethyl ether	+++++ 0.7778	0.6645 0.8536	0.8812	0.9203	0.9175	Ave		0.835 8				11.8		20.0			
2,2-Dichloropropane	+++++ 0.1233	0.1284 0.1236	0.1431	0.1366	0.1350	Ave		0.131 7				6.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.2384	0.2242 0.2499	0.2669	0.2599	0.2644	Ave		0.250 6			0.1000	6.6		20.0			
2-Butanone (MEK)	+++++ 0.1537	0.1399 0.1627	0.1776	0.1496	0.1482	Ave		0.155 3			0.0500	8.5		20.0			
Ethyl acetate	+++++ 0.1618	0.1812 0.1774	0.1932	0.1590	0.1617	Ave		0.172 4				8.0		20.0			
Methyl acrylate	+++++ 0.2155	0.2516 0.2571	0.3114	0.2710	0.2578	Ave		0.260 7				11.9		20.0			
Propionitrile	+++++ 1.3716	1.3562 1.7082	1.8396	1.7795	1.6086	Ave		1.610 6				12.8		20.0			
Chlorobromomethane	+++++ 0.1083	0.1308 0.1113	0.1334	0.1252	0.1253	Ave		0.122 4				8.4		20.0			
Tetrahydrofuran	+++++ 0.1649	0.1347 0.1722	0.1998	0.1730	0.1802	Ave		0.170 8				12.5		20.0			
Methacrylonitrile	+++++ 0.0902	0.0850 0.0984	0.1151	0.1110	0.1094	Ave		0.101 5				12.0		20.0			
Chloroform	+++++ 0.4411	0.4270 0.4748	0.5347	0.5214	0.5062	Ave		0.484 2			0.2000	9.1		20.0			
Cyclohexane	+++++ 0.3000	0.2816 0.3237	0.3316	0.3211	0.3343	Ave		0.315 4			0.1000	6.5		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
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.3559	0.3464 0.3856	0.4085	0.4148	0.4161	Ave		0.3879			0.1000	7.9		20.0			
Carbon tetrachloride	+++++ 0.3111	0.3042 0.3335	0.3534	0.3399	0.3584	Ave		0.3334			0.1000	6.6		20.0			
1,1-Dichloropropene	+++++ 0.3442	0.3357 0.3817	0.3843	0.3883	0.3899	Ave		0.3707				6.5		20.0			
Isobutyl alcohol	+++++ 0.6512	0.5377 0.7470	0.7453	0.7554	0.7106	Ave		0.6912				12.2		20.0			
Isooctane	+++++ 0.6149	0.5021 0.6503	0.6941	0.6751	0.6864	Ave		0.6371				11.3		20.0			
Benzene	+++++ 1.2899	1.2972 1.2464	1.5285	1.4903	1.4717	Ave		1.3873			0.5000	8.8		20.0			
Isopropyl acetate	+++++ 0.9706	0.7716 1.0731	1.1577	1.1548	1.1681	Ave		1.0493				14.8		20.0			
Tert-amyl methyl ether	+++++ 0.2010	0.2211 0.2290	0.2862	0.2511	0.2402	Ave		0.2381				12.2		20.0			
1,2-Dichloroethane	+++++ 0.4335	0.4202 0.4601	0.5246	0.4862	0.4768	Ave		0.4669			0.1000	8.1		20.0			
n-Heptane	+++++ 0.1496	0.1355 0.1501	0.1528	0.1460	0.1474	Ave		0.1469				4.1		20.0			
n-Butanol	+++++ 0.1407	+++++ 0.2269	0.1363	0.1517	0.1851	Ave		0.1681				22.6	*	20.0			
Trichloroethene	+++++ 0.2485	0.2379 0.2715	0.2602	0.2676	0.2767	Ave		0.2604			0.2000	5.7		20.0			
Methylcyclohexane	+++++ 0.3506	0.2719 0.3568	0.3254	0.3369	0.3677	Ave		0.3349			0.1000	10.2		20.0			
Ethyl acrylate	+++++ 0.7544	0.5469 0.7712	0.7368	0.7625	0.8159	Ave		0.7313				12.9		20.0			
1,2-Dichloropropane	+++++ 0.3125	0.2842 0.3225	0.3572	0.3367	0.3425	Ave		0.3260			0.1000	7.9		20.0			
Methyl methacrylate	+++++ 0.0480	0.0544 0.0524	0.0539	0.0518	0.0519	Ave		0.0521				4.3		20.0			
1,4-Dioxane	+++++ 0.4385	0.3220 0.7634	0.6695	0.5198	0.6215	QuaF		0.2762	0.0000486						0.9970		0.9900
Dibromomethane	+++++ 0.1692	0.1449 0.1725	0.1932	0.1813	0.1817	Ave		0.1738				9.5		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
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Propyl acetate	+++++ 0.5154	0.3757 0.5533	0.5518	0.5675	0.5940	Ave		0.5263				14.8		20.0			
Dichlorobromomethane	+++++ 0.3747	0.3352 0.3933	0.3973	0.3993	0.3944	Ave		0.3824			0.2000	6.5		20.0			
2-Nitropropane	+++++ 4.2657	4.7220 4.7421	4.8065	4.2192	4.3368	Ave		4.5154				5.9		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1788	0.1364 0.1966	0.1519	0.1679	0.1886	Ave		0.1700				13.4		20.0			
Epichlorohydrin	0.1425 0.1706	0.1334 0.1704	0.1612	0.1516	0.1627	Ave		0.1561				9.1		20.0			
cis-1,3-Dichloropropene	+++++ 0.6159	0.5278 0.6138	0.6294	0.6501	0.6582	Ave		0.6159			0.2000	7.6		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 2.4125	1.6226 2.2526	2.3185	2.2130	2.3677	Ave		2.1978			0.0500	13.2		20.0			
Toluene	+++++ 1.3000	1.2848 1.2898	1.4468	1.4388	1.4688	Ave		1.3715			0.4000	6.4		20.0			
trans-1,3-Dichloropropene	+++++ 0.5742	0.4656 0.5791	0.5679	0.5706	0.5922	Ave		0.5582			0.1000	8.3		20.0			
Ethyl methacrylate	+++++ 0.3132	0.2339 0.3364	0.2824	0.3060	0.3337	Ave		0.3009				12.7		20.0			
1,1,2-Trichloroethane	+++++ 0.2724	0.2575 0.2779	0.3132	0.2909	0.2989	Ave		0.2851			0.1000	7.0		20.0			
Tetrachloroethene	+++++ 0.2814	0.3161 0.2892	0.3035	0.2960	0.3056	Ave		0.2986			0.2000	4.2		20.0			
1,3-Dichloropropane	+++++ 0.5186	0.5133 0.5184	0.5727	0.5578	0.5658	Ave		0.5411				5.0		20.0			
2-Hexanone	+++++ 0.7044	0.4687 0.6950	0.5870	0.5660	0.6344	Ave		0.6092			0.0500	14.5		20.0			
n-Butyl acetate	+++++ 0.7602	0.6295 0.7831	0.7256	0.7977	0.8380	Ave		0.7557				9.6		20.0			
Chlorodibromomethane	+++++ 0.3274	0.2945 0.3409	0.3530	0.3381	0.3496	Ave		0.3339			0.1000	6.4		20.0			
Ethylene Dibromide	+++++ 0.2946	0.2818 0.2965	0.3239	0.3154	0.3152	Ave		0.3046			0.1000	5.3		20.0			
Chlorobenzene	+++++ 0.8156	0.7554 0.8336	0.8898	0.8767	0.8920	Ave		0.8438			0.5000	6.3		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.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.4301	0.4014 0.4630	0.4332	0.4366	0.4517	Ave		0.4360			0.1000	4.8		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.2984	0.2906 0.3171	0.3279	0.3120	0.3183	Ave		0.3107				4.4		20.0			
m-Xylene & p-Xylene	+++++ 0.5259	0.4640 0.5603	0.4937	0.5303	0.5726	Ave		0.5245			0.1000	7.7		20.0			
o-Xylene	+++++ 0.5372	0.4184 0.5650	0.5144	0.5326	0.5519	Ave		0.5199			0.3000	10.1		20.0			
n-Butyl acrylate	+++++ 0.2950	0.1657 0.3240	0.2305	0.2722	0.2972	QuaF		0.2777	0.0000925						1.0000		0.9900
Styrene	+++++ 0.9367	0.6241 0.9602	0.8694	0.9412	0.9952	Ave		0.8878			0.3000	15.3		20.0			
Bromoform	+++++ 0.2099	0.1762 0.2268	0.2214	0.2110	0.2212	Ave		0.2111			0.1000	8.7		20.0			
Amyl acetate (mixed isomers)	+++++ 1.6572	1.0115 1.6586	1.4725	1.6426	1.8183	Ave		1.5434				18.3		20.0			
Isopropylbenzene	+++++ 1.3022	0.9992 1.3439	1.2301	1.3378	1.4365	Ave		1.2749			0.1000	11.8		20.0			
Bromobenzene	+++++ 0.6022	0.6191 0.6164	0.6888	0.6573	0.6700	Ave		0.6423				5.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7511	0.7412 0.7165	0.8499	0.7962	0.7850	Ave		0.7733			0.3000	6.1		20.0			
N-Propylbenzene	+++++ 3.0200	2.5925 2.8740	3.0891	3.1356	3.3545	Ave		3.0110				8.6		20.0			
1,2,3-Trichloropropane	+++++ 0.1597	0.1518 0.1609	0.1941	0.1792	0.1802	Ave		0.1710				9.4		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2862	0.2447 0.2892	0.3059	0.3007	0.3039	Ave		0.2884				7.9		20.0			
2-Chlorotoluene	+++++ 2.1521	1.8800 2.1852	2.3004	2.2711	2.3639	Ave		2.1921				7.8		20.0			
4-Ethyltoluene	+++++ 2.3848	2.0121 2.4607	2.5063	2.5091	2.6385	Ave		2.4186				8.9		20.0			
1,3,5-Trimethylbenzene	+++++ 2.0448	1.6757 2.0357	2.0645	2.1056	2.2382	Ave		2.0274				9.3		20.0			
4-Chlorotoluene	+++++ 2.0158	1.8313 2.0122	2.1584	2.1175	2.2631	Ave		2.0664				7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	+++++ 0.8067	0.4763 0.8616	0.6343	0.7564	0.8250	QuaF		0.7757	0.0001714						1.0000		0.9900
tert-Butylbenzene	+++++ 1.5648	1.3108 1.5641	1.5642	1.5892	1.7155	Ave		1.5514				8.5		20.0			
1,2,4-Trimethylbenzene	+++++ 2.1537	1.7227 2.1322	2.1544	2.2224	2.3566	Ave		2.1237				10.0		20.0			
sec-Butylbenzene	+++++ 2.3536	1.9009 2.2995	2.3669	2.3870	2.6084	Ave		2.3194				10.0		20.0			
1,3-Dichlorobenzene	+++++ 1.1659	1.0682 1.1817	1.2764	1.1908	1.2435	Ave		1.1878			0.6000	6.0		20.0			
4-Isopropyltoluene	+++++ 2.0553	1.5282 2.0231	1.8769	1.9972	2.2193	Ave		1.9500				12.0		20.0			
1,4-Dichlorobenzene	+++++ 1.1911	1.1487 1.2066	1.3018	1.2602	1.2802	Ave		1.2314			0.5000	4.8		20.0			
1,2,3-Trimethylbenzene	+++++ 2.2713	1.9936 2.3073	2.4136	2.3802	2.4717	Ave		2.3063				7.3		20.0			
Benzyl chloride	+++++ 1.4341	1.0188 1.3185	1.1618	1.2218	1.3234	Ave		1.2464				11.7		20.0			
Indan	+++++ 2.0998	1.7596 2.1062	2.2256	2.1981	2.3086	Ave		2.1163				9.0		20.0			
p-Diethylbenzene	+++++ 1.2510	1.0018 1.2993	1.1873	1.2240	1.3653	Ave		1.2215				10.2		20.0			
n-Butylbenzene	+++++ 1.1286	0.9153 1.1179	1.1086	1.1153	1.2140	Ave		1.0999				9.0		20.0			
1,2-Dichlorobenzene	+++++ 1.1395	1.0976 1.1387	1.2383	1.1966	1.2426	Ave		1.1755			0.4000	5.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.0922	1.4327 2.0691	1.7579	1.9419	2.1370	Ave		1.9051				14.1		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1263	0.1103 0.1263	0.1242	0.1202	0.1353	Ave		0.1238			0.0500	6.7		20.0			
1,3,5-Trichlorobenzene	+++++ 0.7973	0.6846 0.7943	0.8337	0.7785	0.8532	Ave		0.7903				7.4		20.0			
1,2,4-Trichlorobenzene	+++++ 0.7258	0.6146 0.7295	0.7509	0.7117	0.7764	Ave		0.7182			0.2000	7.7		20.0			
Hexachlorobutadiene	+++++ 0.2586	0.2331 0.2548	0.2581	0.2556	0.2852	Ave		0.2576				6.4		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.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 1.8508	1.4672 1.8065	1.7919	1.8196	2.0015	Ave		1.7896				9.8		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6562	0.5506 0.6649	0.6745	0.6548	0.7204	Ave		0.6536				8.6		20.0			
Dibromofluoromethane (Surr)	0.2455 0.2234	0.2344 0.2287	0.2301	0.2325	0.2346	Ave		0.2327				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3958 0.3556	0.3479 0.3642	0.3680	0.3688	0.3610	Ave		0.3659				4.1		20.0			
Toluene-d8 (Surr)	1.1203 1.1214	1.1183 1.0875	1.1264	1.1694	1.1590	Ave		1.1289				2.4		20.0			
4-Bromofluorobenzene	0.3282 0.3426	0.3227 0.3462	0.3231	0.3340	0.3409	Ave		0.3339				2.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-888485/3	J85634.D
Level 2	STD1 460-888485/4	J85635.D
Level 3	STD5 460-888485/5	J85636.D
Level 4	STD20 460-888485/6	J85637.D
Level 5	STD50 460-888485/7	J85638.D
Level 6	STD200 460-888485/11	J85642.D
Level 7	STD500 460-888485/9	J85640.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 70147	315 175583	1538	5916	15665	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 1281132	4154 3045572	22586	89200	232257	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 172651	941 452543	4533	17513	43243	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1591331	6842 3824054	30872	125220	322827	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1034465	4778 2488974	21118	81945	213541	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	958 1090432	4450 2536705	21581	86325	222322	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	QuaF	+++++ 431266	984 1173456	5118	22081	63159	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 512526	2520 1199883	11564	43159	109641	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1484719	7301 3641136	34130	130112	340223	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 1145851	5023 2754593	24993	96360	251186	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 3198053	13856 7572271	75815	306325	804697	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 69329	+++++ 269671	2031	8878	24376	+++++ 8000	+++++ 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 568646	2468 1479094	14631	56005	138750	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-1,3-butadiene	FB	Ave	+++++ 835009	3147 2181803	19854	77718	201370	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 465710	1916 1227627	10836	41853	112145	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 888589	3849 2455211	22544	83011	209324	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 590426	2616 1538453	14375	55983	143103	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 115898	1623 +++++	10525	20877	47187	+++++ 200	4.00 +++++	20.0	40.0	100
1,1-Dichloroethene	FB	Ave	+++++ 519576	2249 1377722	12422	50006	126536	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 1173513	7453 3059446	28975	123175	308234	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	QuaF	+++++ 691900	775 1625070	9030	42391	129177	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 243278	1468 931836	6141	29845	89649	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 2185312	10104 5497653	51760	206522	534972	+++++ 200	1.00 500	5.00	20.0	50.0
3-Chloro-1-propene	FB	Ave	+++++ 384645	1759 952938	8963	34218	90788	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	TBAd9	Ave	+++++ 1372292	7097 3642394	41246	141893	377576	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1534788	6304 4019629	34660	139418	379092	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 1101666	5598 3065358	26105	111078	304067	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++	3104	15882	62562	155610	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			622874	1639127				200	500			
2-Methyl-2-propanol	TBAd9	Ave	+++++ 339646	1602 1165853	9459	39647	111194	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1716209	7221 4475974	43087	167954	431610	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 583498	2797 1532776	13812	55091	140852	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	TBAd9	Ave	2813 2507562	10605 6430958	65539	261202	692334	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 956765	3762 2363531	19801	82248	224718	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2909047	12597 7977349	72134	287215	774527	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1384736	6184 3711214	32798	134062	353980	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 3559237	10158 7596651	67228	284811	720919	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 531009	2399 1469228	11820	48503	128682	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 2046706	7972 5704181	51370	210037	528104	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 324494	1540 825814	8344	31176	77681	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 627347	2690 1670377	15557	59319	152195	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Ave	+++++ 278633	1228 796204	7751	28315	69407	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 117309	636 347176	3372	12037	30279	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	FB	Ave	+++++ 566906	3018 1717972	18151	61853	148401	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	+++++ 822672	3557 2568524	23729	96027	227789	+++++ 2000	10.0 5000	50.0	200	500

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobromomethane	FB	Ave	+++++ 284887	1569 743530	7777	28579	72127	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 119596	473 337099	3487	13094	33756	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2372170	10194 6574676	67068	253211	629761	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1160613	5123 3172860	31172	118988	291322	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 789265	3378 2163015	19332	73280	192396	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 936380	4156 2576816	23815	94664	239467	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 818593	3649 2228676	20602	77575	206306	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 905621	4028 2550792	22403	88614	224397	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	Ave	+++++ 976379	3526 2808233	24034	101906	251582	+++++ 5000	25.0 12500	125	500	1250
Isooctane	FB	Ave	+++++ 1617958	6024 4345593	40461	154061	395090	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd5	Ave	+++++ 2558507	11284 6518680	64111	245790	616091	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 2553996	9257 7171301	67489	263542	672285	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 528840	2653 1530169	16685	57315	138246	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1140743	5041 3074695	30584	110961	274450	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 393629	1626 1003427	8905	33317	84863	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 210944	+++++ 853093	4395	20466	65521	+++++ 5000	+++++ 12500	125	500	1250
Trichloroethene	FB	Ave	+++++	2854	15170	61065	159260	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			653930	1814533				200	500			
Methylcyclohexane	FB	Ave	+++++ 922432	3262 2384149	18970	76876	211606	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1984992	6561 5153699	42954	174006	469627	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 822382	3410 2155330	20825	76849	197145	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 252798	1306 700466	6289	23665	59760	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	QuaF	+++++ 49441	462 224856	1866	6051	19577	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 445111	1738 1152536	11265	41370	104590	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 1356274	4508 3697564	32164	129510	341865	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 985908	4022 2628289	23163	91135	227023	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	TBAd9	Ave	+++++ 511703	2477 1426132	12400	45537	122825	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 471675	1640 1316962	8879	38407	108825	+++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1223 1237563	4683 3336226	28135	114731	304746	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1221658	4591 3210277	26400	107212	275558	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 4373943	14239 11023134	101167	418735	1108740	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 2578709	11176 6745721	60684	237291	614872	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1138905	4050 3028675	23818	94099	247918	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	Ave	+++++	2806	16461	69839	192070	+++++	1.00	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			824002	2248425				200	500			
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 540309	2240 1453693	13137	47977	125123	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 558087	2750 1512588	12730	48818	127951	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1028670	4465 2711178	24020	92000	236853	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 1277062	4113 3401244	25611	107103	297057	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	+++++ 1507947	5476 4095860	30435	131556	350791	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 649463	2562 1782759	14808	55759	146358	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 584423	2451 1550882	13585	52016	131951	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1617717	6571 4359826	37322	144579	373395	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 853096	3492 2421399	18168	72011	189113	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 591875	2528 1658538	13755	51453	133236	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1043102	4036 2930631	20709	87461	239715	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1065527	3640 2955271	21574	87831	231033	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butyl acrylate	CBNZ d5	QuaF	+++++ 585109	1441 1694602	9667	44888	124396	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1858079	5429 5022145	36464	155227	416627	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 416438	1533 1186071	9286	34806	92588	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1892023	4712 5229237	33070	150470	423336	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2583047	8692 7028734	51594	220626	601353	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 687546	2884 1943380	15469	60217	155983	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 857525	3453 2258973	19088	72938	182771	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 3447947	12077 9061402	69374	287243	780988	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 182372	707 507389	4360	16416	41955	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 326798	1140 911864	6869	27544	70749	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 2457028	8758 6889800	51663	208047	550358	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 2722655	9373 7758209	56287	229854	614290	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2334537	7806 6418190	46365	192885	521089	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 2301417	8531 6344211	48474	193975	526889	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	+++++ 921007	2219 2716464	14246	69291	192077	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1786515	6106 4931296	35128	145580	399400	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2458837	8025 6722591	48383	203584	548665	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 2687066	8855 7249874	53155	218662	607283	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1331078	4976 3725833	28666	109083	289515	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2346486	7119 6378534	42152	182954	516698	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1359920	5351 3804324	29235	115444	298067	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 2593144	9287 7274756	54204	218045	575454	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 1637294	4746 4157203	26091	111926	308112	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 2397331	8197 6640560	49983	201359	537484	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Diethylbenzene	DCBd 4	Ave	+++++ 1428303	4667 4096660	26665	112123	317873	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1288519	4264 3524566	24896	102167	282643	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1300924	5113 3590041	27809	109617	289302	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 2388624	6674 6523747	39478	177890	497544	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 144203	514 398359	2790	11009	31507	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 910276	3189 2504349	18723	71313	198650	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 828595	2863 2300164	16864	65199	180757	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 295197	1086 803392	5797	23415	66397	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 2113093	6835 5695656	40242	166687	465988	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 749229	2565 2096295	15147	59981	167728	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	129800 146937	140586 152837	134143	132638	135044	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	209212 233899	208687 243384	214514	210429	207770	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	417574	486373	472458	482169	485187	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.: 460-273970-1 Analy Batch No.: 888485

SDG No.:

Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/17/2023 10:29 Calibration End Date: 01/17/2023 14:34 Calibration ID: 92148

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			556112	568803				50.0	50.0			
4-Bromofluorobenzene	CBNZ d5	Ave	122330 169898	140341 181053	135521	137694	142720	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend
Ave = Average ISTD
QuaF = Quadratic ISTD forced zero

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Jan-2023 10:29:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0155710-003
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:26:48 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 12:22:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.380	1.381	-0.001	84	958	0.2500	0.2383	
* 30 TBA-d9 (IS)	65	2.415	2.415	0.000	74	266608	1000.0	1000.0	
35 Acrylonitrile	53	2.640	2.640	0.000	85	2813	2.00	2.27	
* 43 2-Butanone-d5	46	3.327	3.328	-0.001	84	429011	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.753	3.753	0.000	93	129800	50.0	52.8	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.081	4.082	-0.001	0	209212	50.0	54.1	
* 66 Fluorobenzene	96	4.343	4.344	-0.001	95	528612	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.061	5.055	0.006	0	21265	1000.0	1000.0	
80 Epichlorohydrin	57	5.754	5.749	0.005	47	1223	5.00	4.57	
$ 83 Toluene-d8 (Surr)	98	6.059	6.059	0.000	96	417574	50.0	49.6	
* 94 Chlorobenzene-d5	117	8.011	8.012	-0.001	95	372743	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.331	9.332	-0.001	83	122330	50.0	49.1	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	96	198235	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:

524freon_00062	Amount Added:	0.00	Units: uL	
GASES Li_00511	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00164	Amount Added:	0.00	Units: uL	
ACROLEIN W_00148	Amount Added:	0.00	Units: uL	
14DIOXINTER_00150	Amount Added:	0.00	Units: uL	
GAS Hi_00434	Amount Added:	0.00	Units: uL	
8FreonHi_00052	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00108	Amount Added:	20.00	Units: uL	
Ethanol mix_00072	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00131	Amount Added:	0.00	Units: uL	
MIX I Hi_00158	Amount Added:	0.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

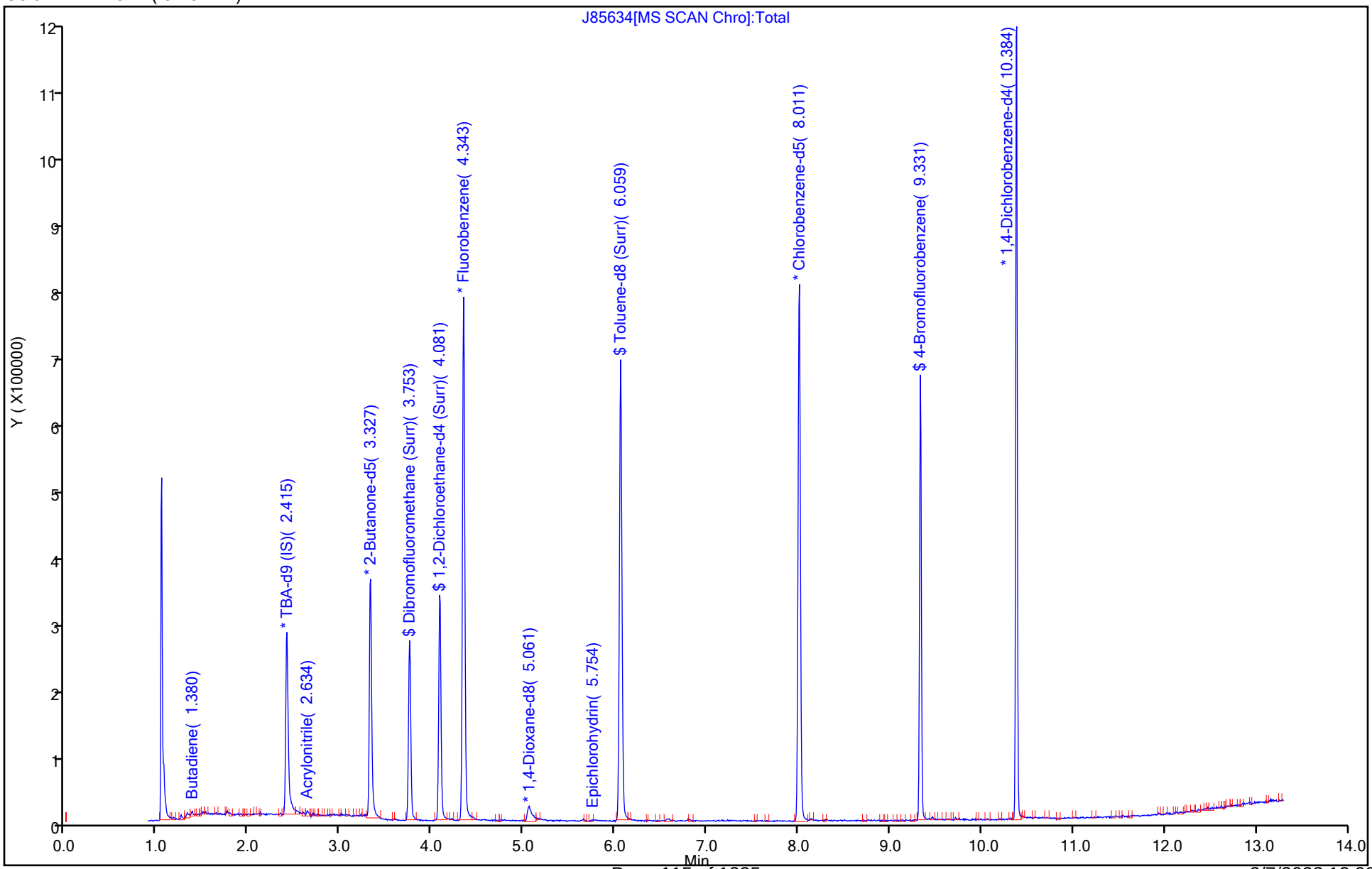
Report Date: 17-Jan-2023 21:26:49 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D

Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

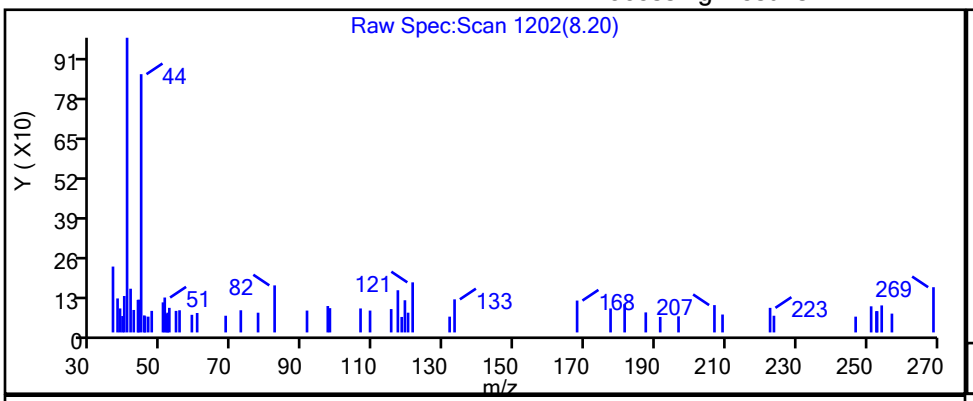
User Disabled Compound Report

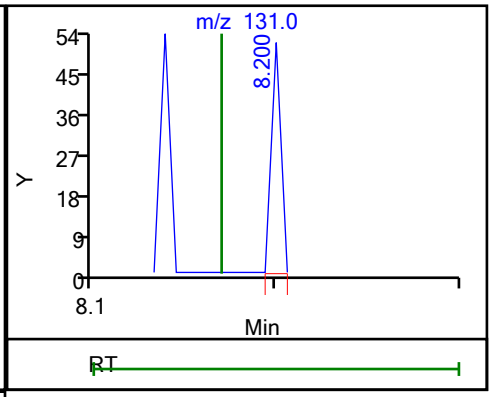
Eurofins Edison

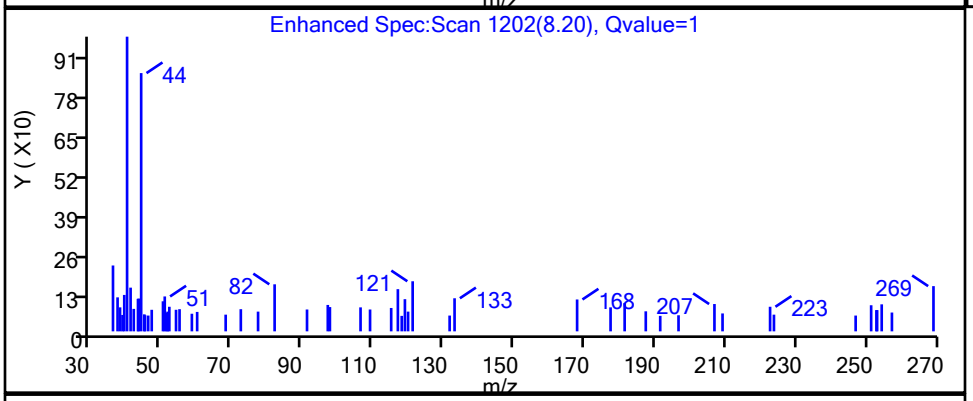
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D		
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

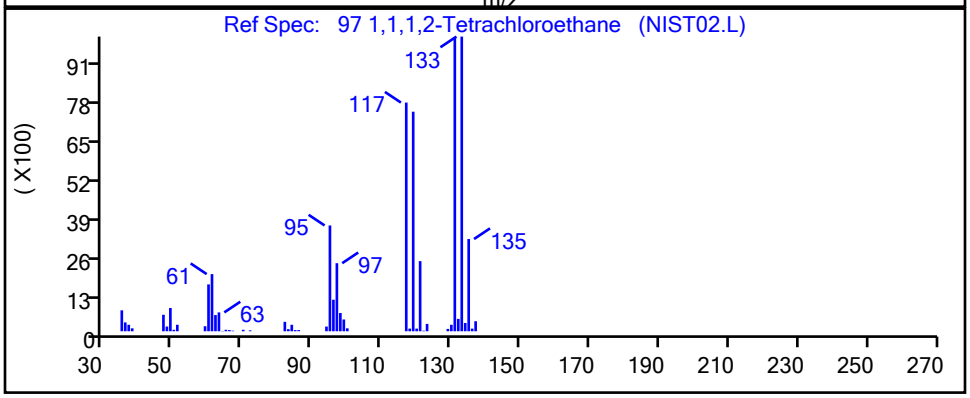
97 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Processing Results









RT	Mass	Response	Amount
8.20	131.00	19	0.008241

Reviewer: K0HS, 17-Jan-2023 12:20:38

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

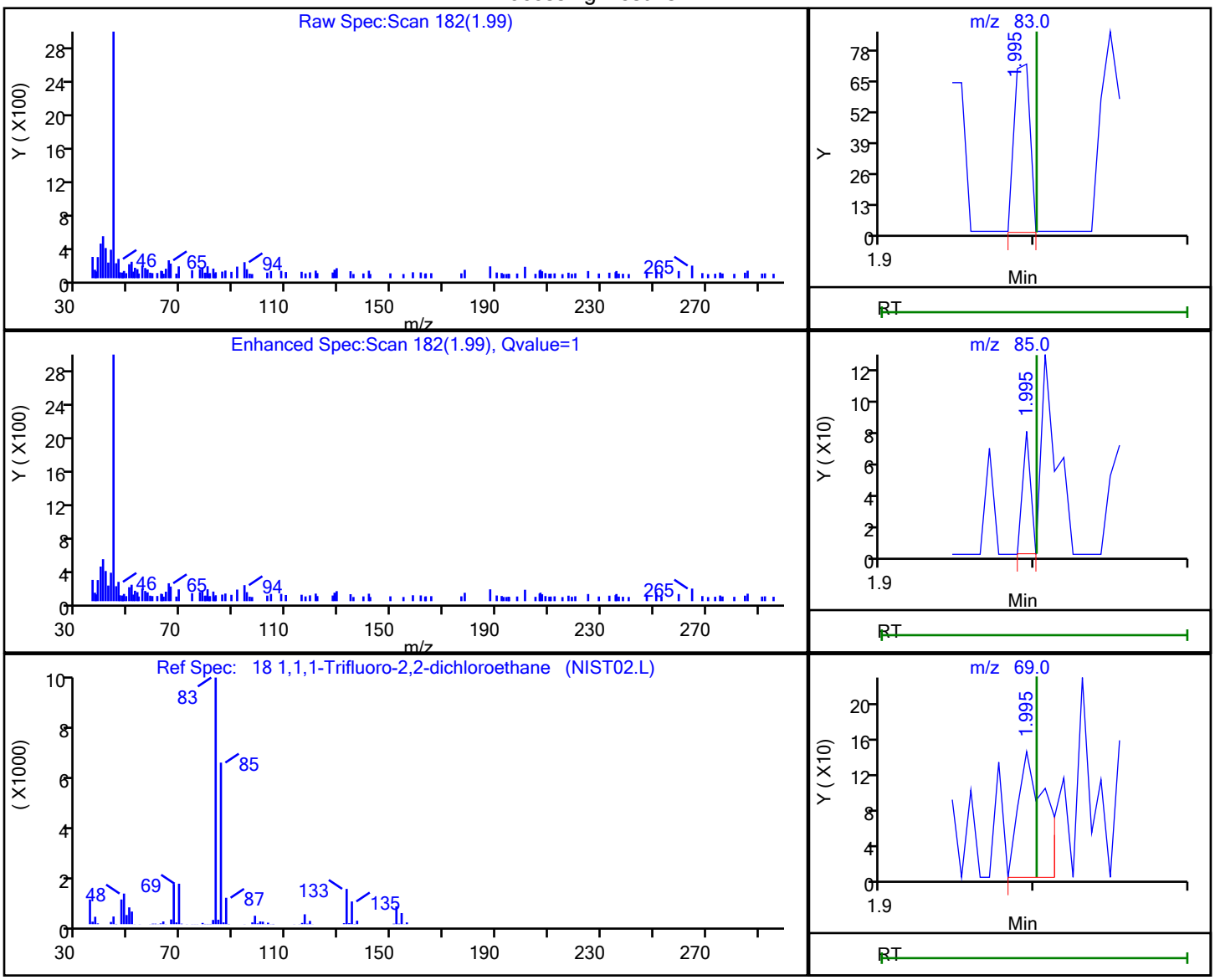
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Processing Results



RT	Mass	Response	Amount
1.99	83.00	52	0.013903
1.99	85.00	29	
1.99	69.00	176	
2.00	67.00	133	

Reviewer: K0HS, 17-Jan-2023 12:21:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

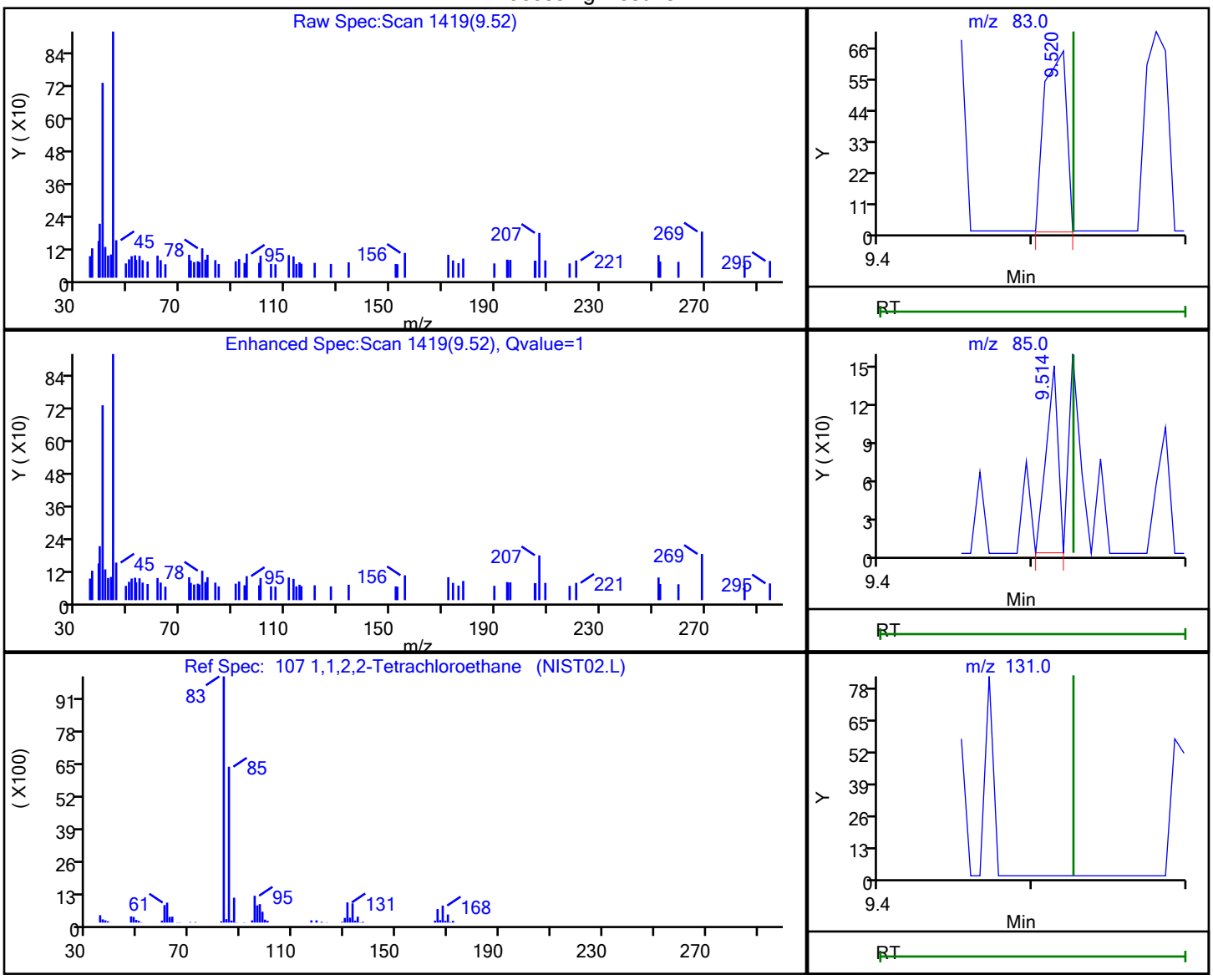
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

107 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
9.52	83.00	65	0.020607
9.51	85.00	77	
9.53	131.00	0	

Reviewer: K0HS, 17-Jan-2023 12:20:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

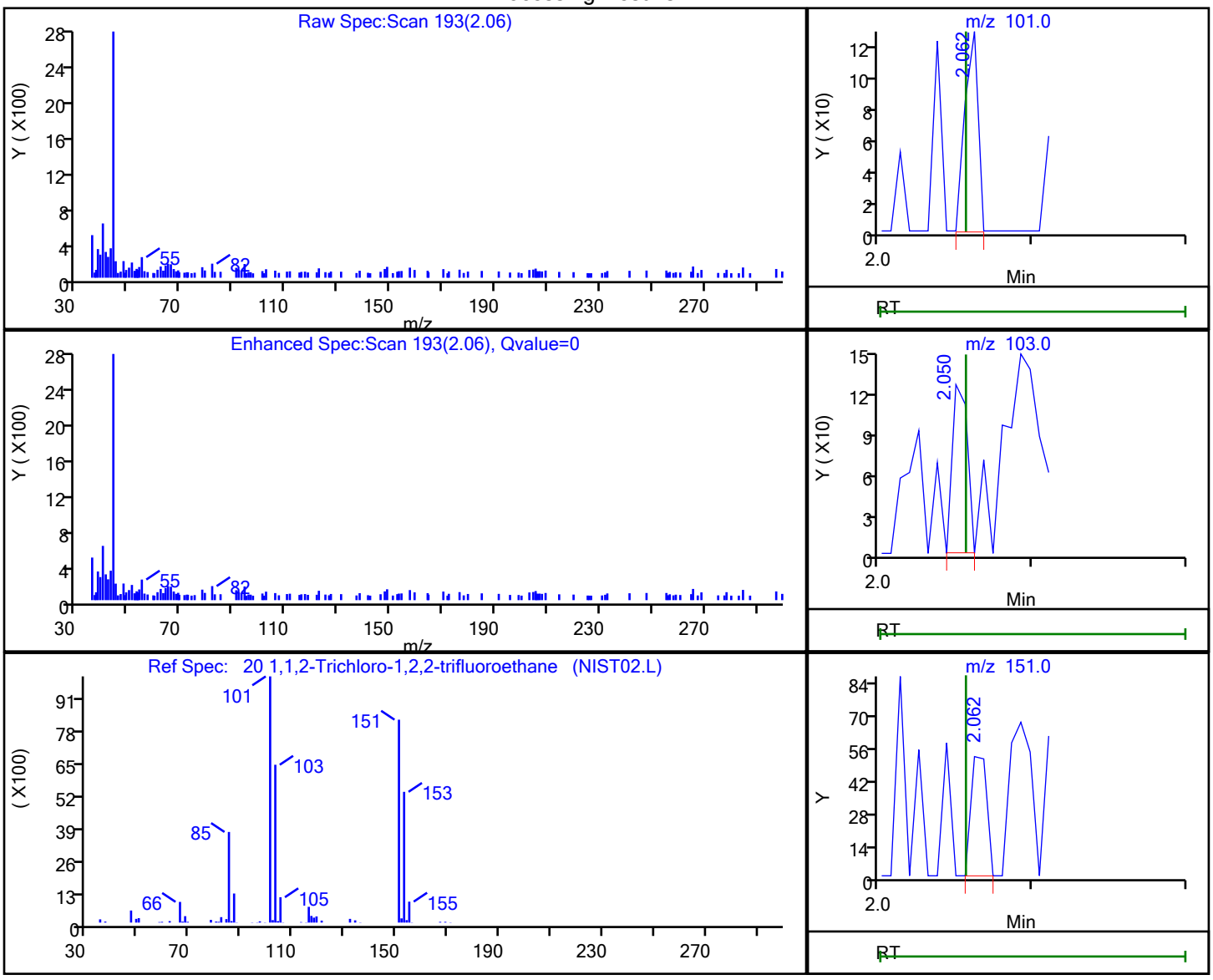
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
2.06	101.00	76	0.030943
2.05	103.00	83	
2.06	151.00	38	
2.06	85.00	69	

Reviewer: K0HS, 17-Jan-2023 12:19:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

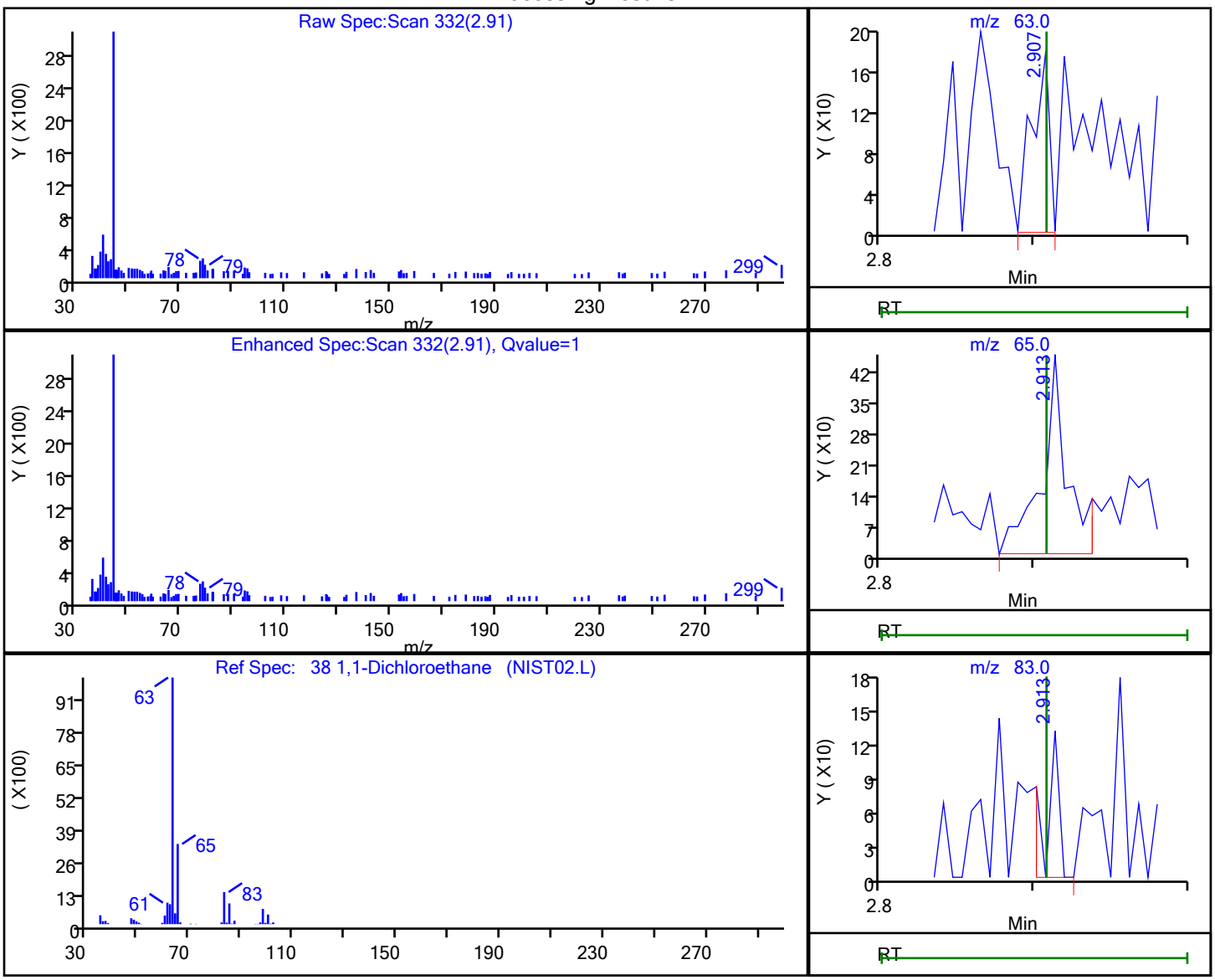
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

38 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
2.91	63.00	138	0.024215
2.91	65.00	534	
2.91	83.00	74	

Reviewer: K0HS, 17-Jan-2023 12:19:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

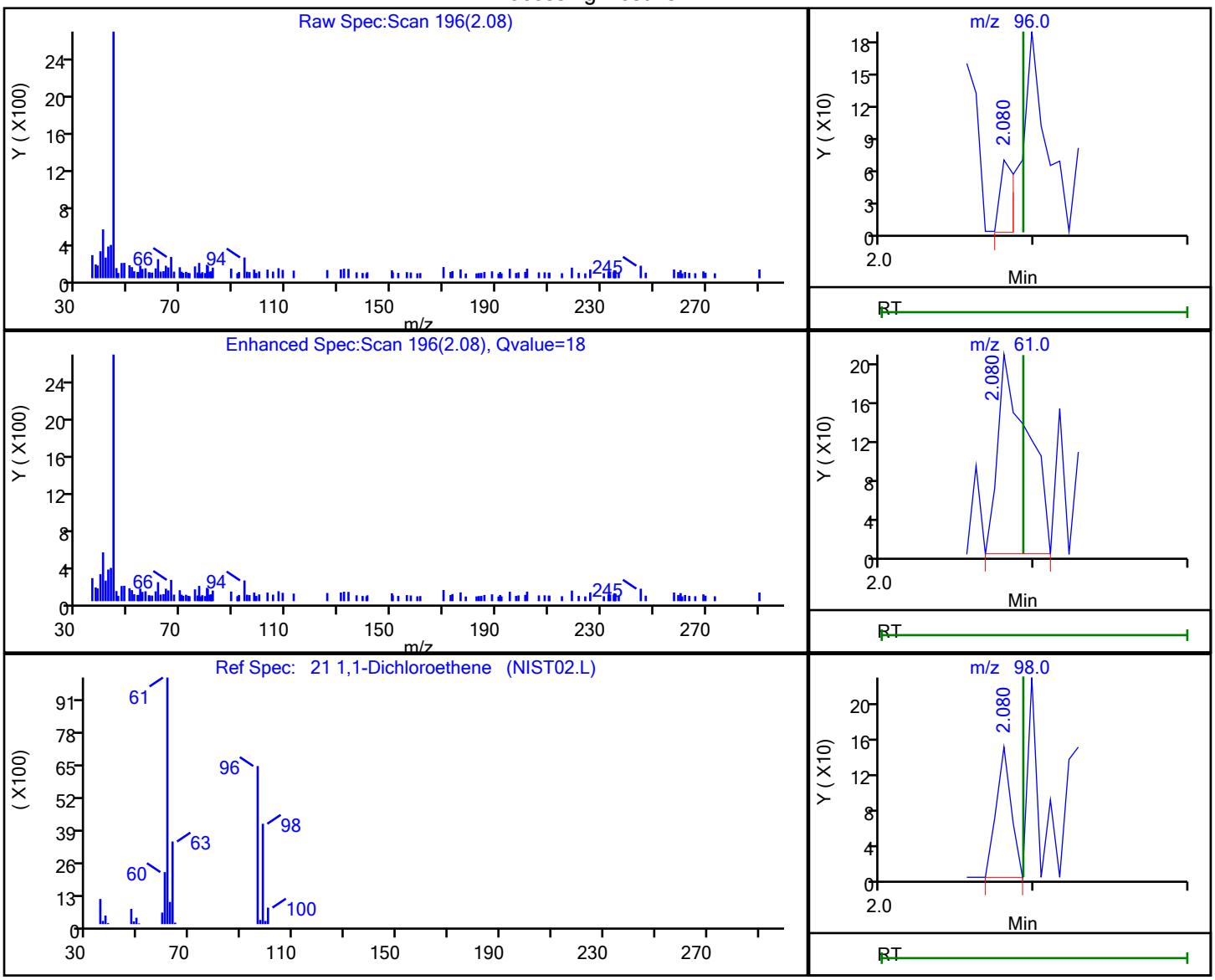
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
2.08	96.00	43	0.020308
2.08	61.00	278	
2.08	98.00	101	
2.07	63.00	118	

Reviewer: K0HS, 17-Jan-2023 12:19:17
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

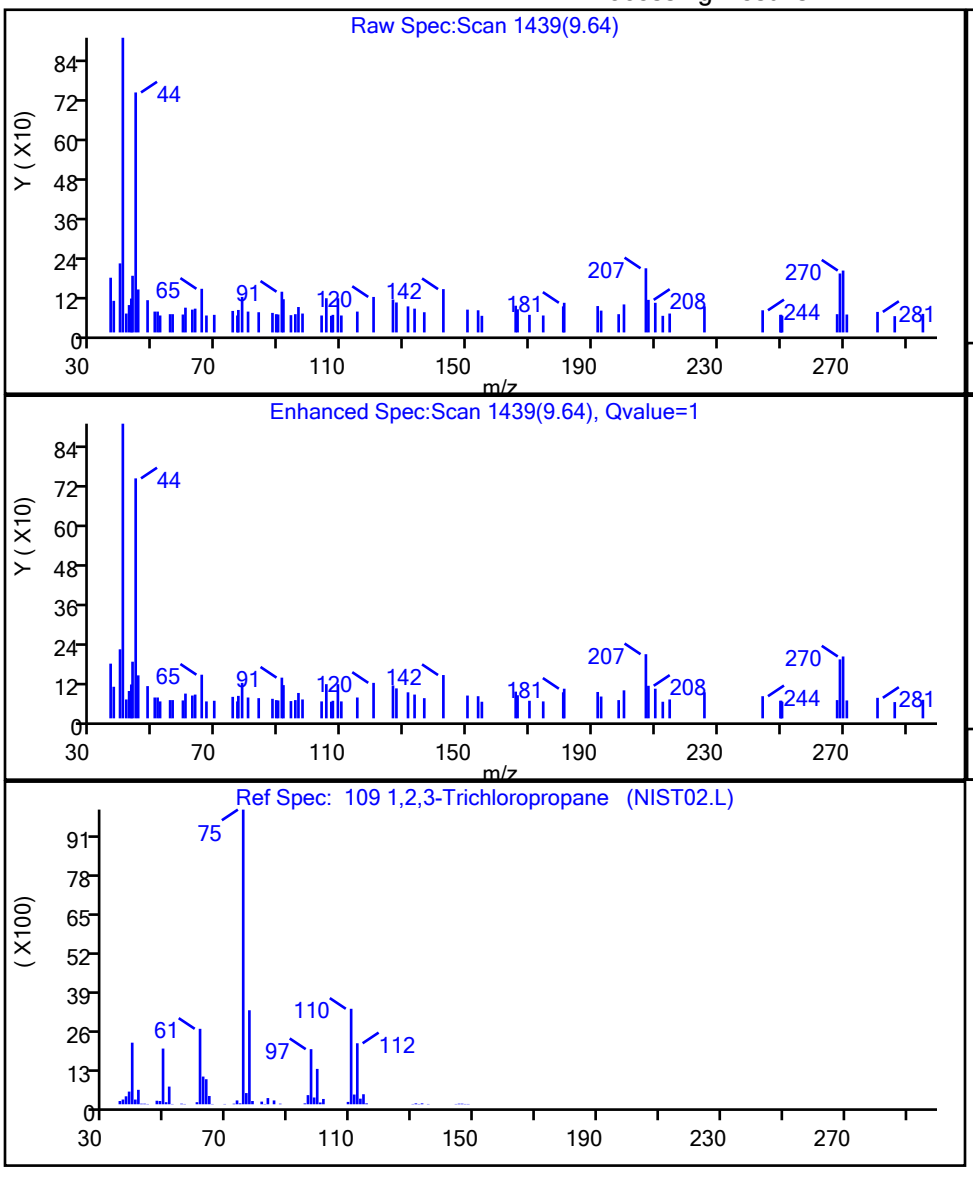
User Disabled Compound Report

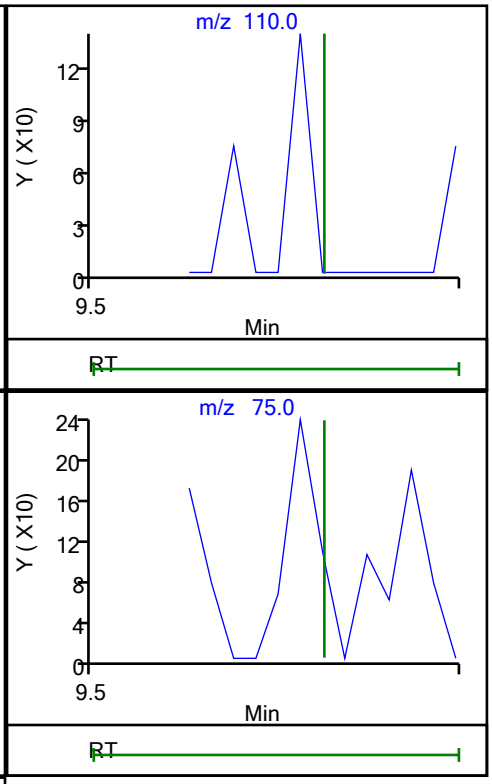
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

109 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results





RT	Mass	Response	Amount
9.64	110.00	19	0.027708
9.65	75.00	106	

Reviewer: K0HS, 17-Jan-2023 12:20:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

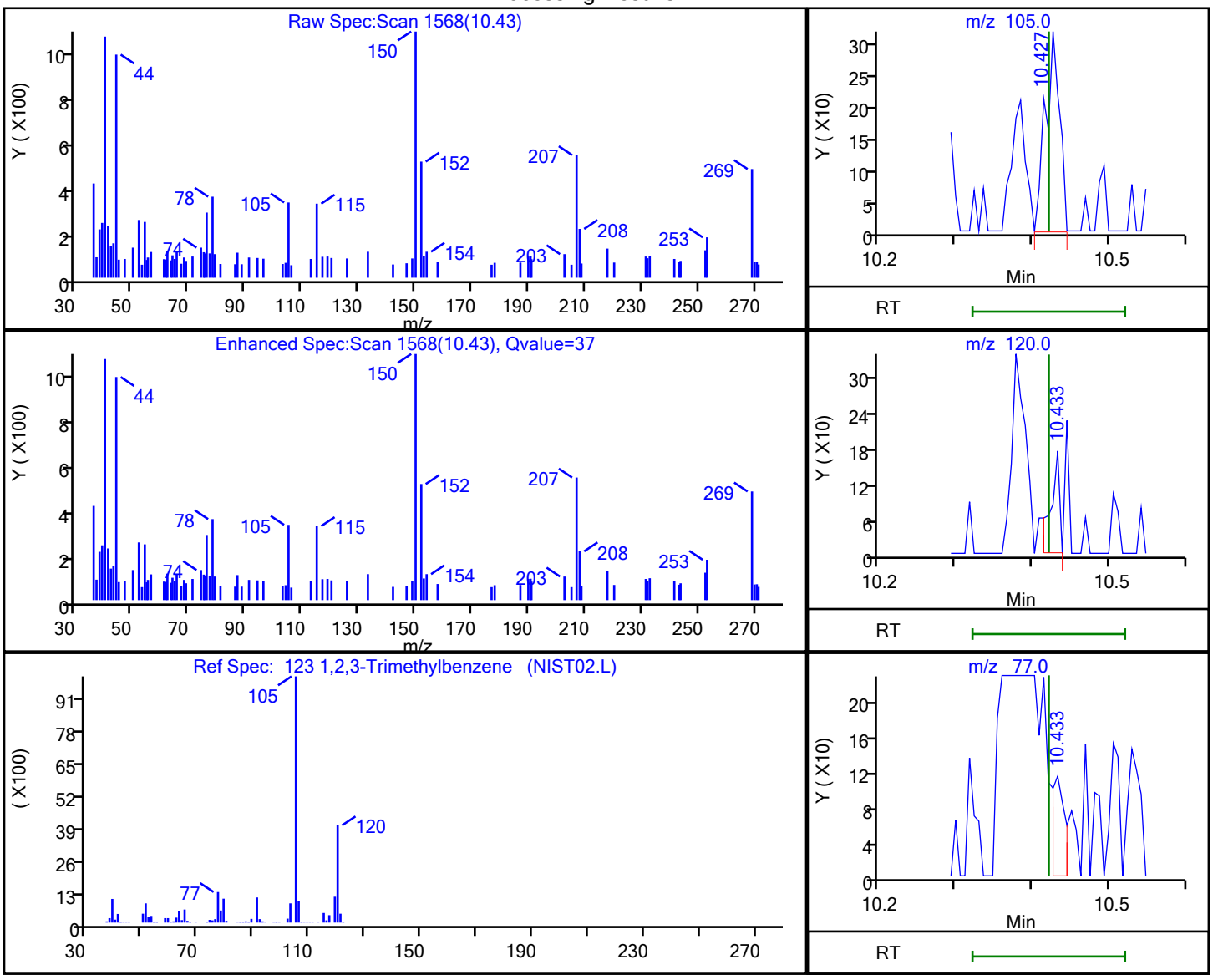
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
10.43	105.00	404	0.046242
10.43	120.00	137	
10.43	77.00	131	

Reviewer: K0HS, 17-Jan-2023 12:21:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

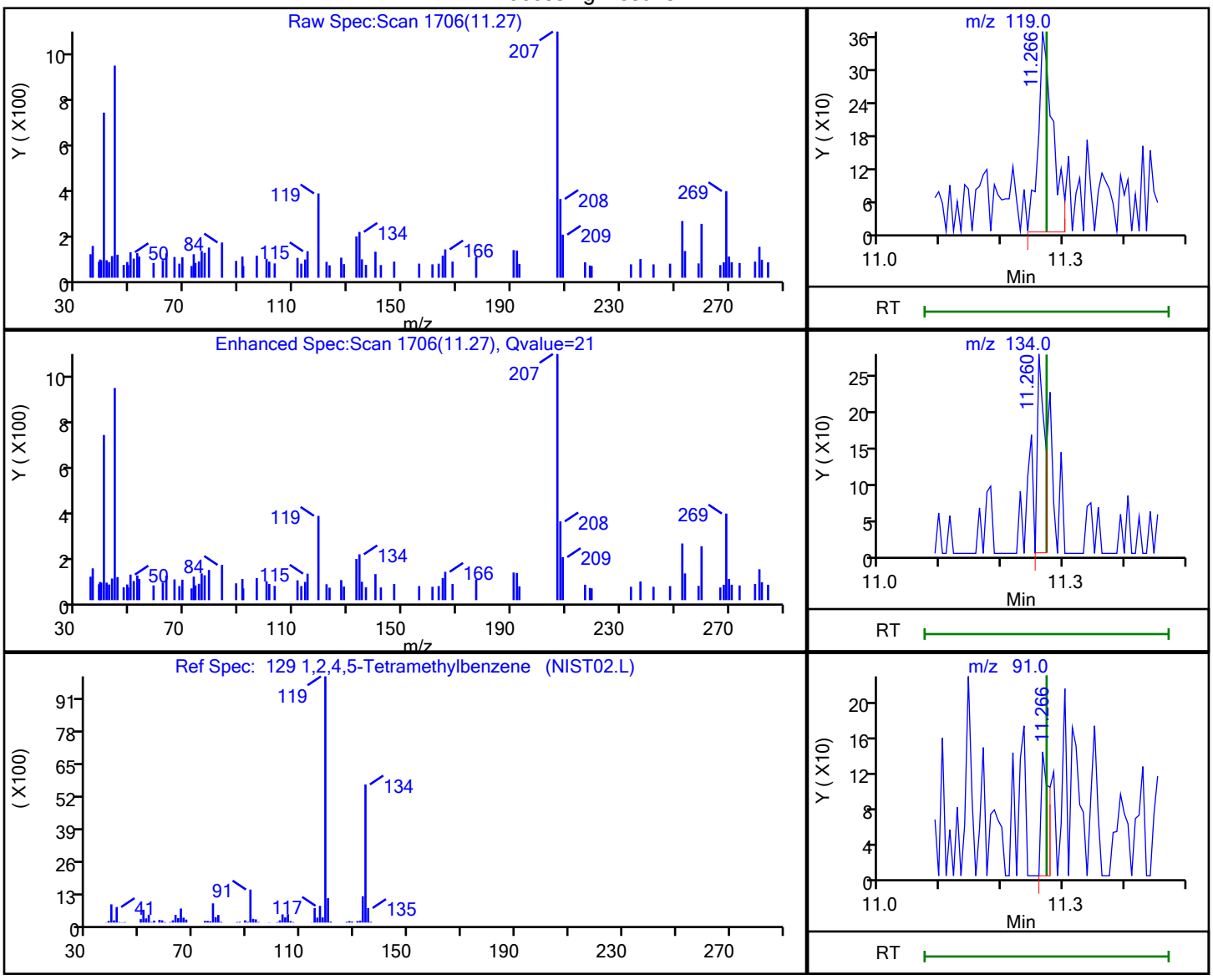
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

129 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
11.27	119.00	604	0.095497
11.26	134.00	226	
11.27	91.00	128	

Reviewer: K0HS, 17-Jan-2023 12:21:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

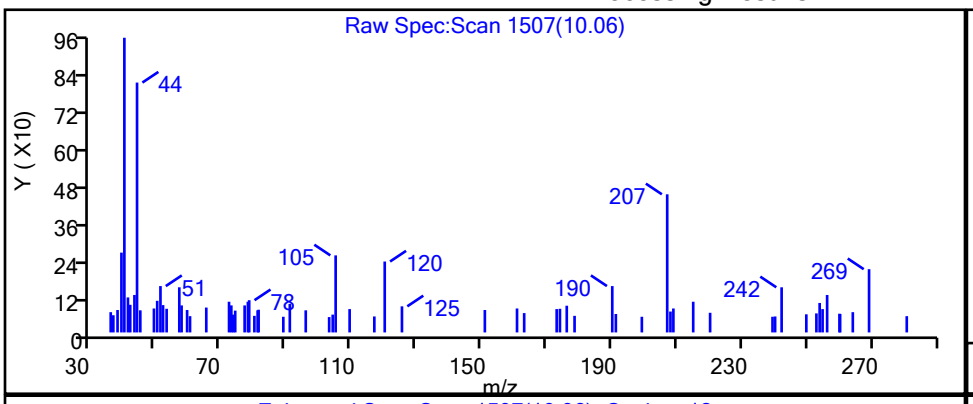
User Disabled Compound Report

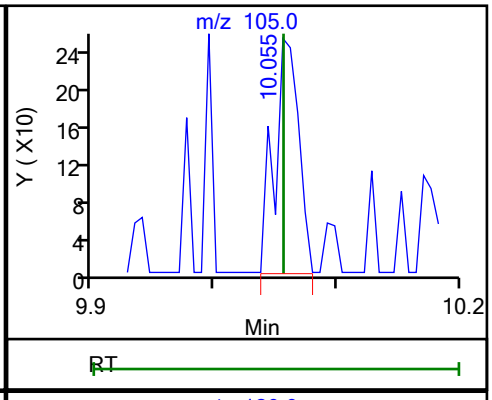
Eurofins Edison

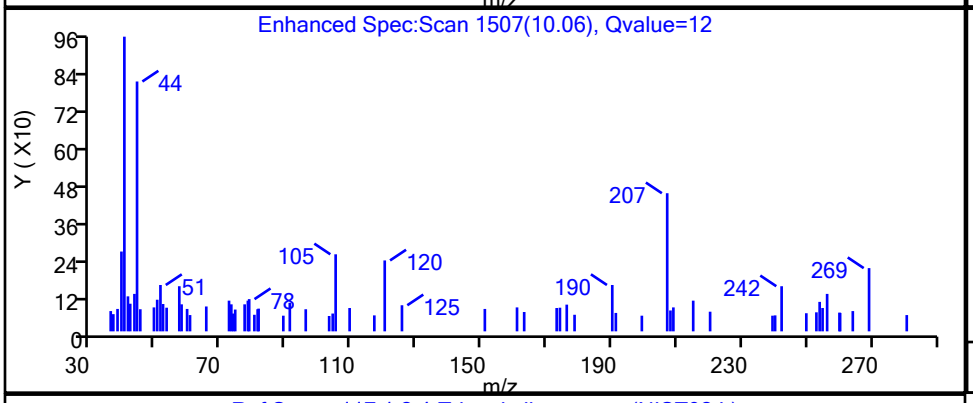
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

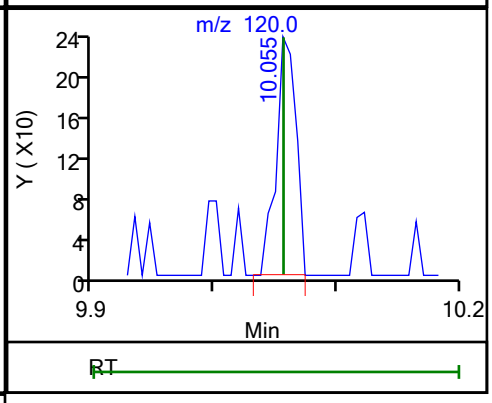
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

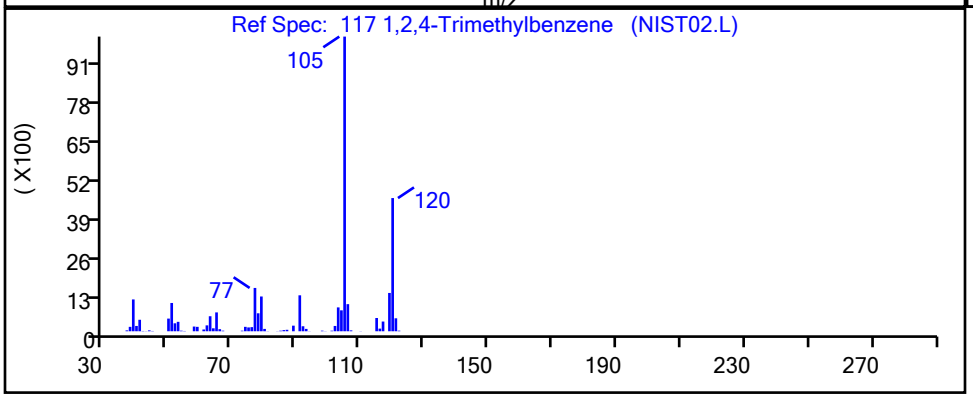
Processing Results











RT	Mass	Response	Amount
10.06	105.00	346	0.045018
10.06	120.00	261	

Reviewer: K0HS, 17-Jan-2023 12:21:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

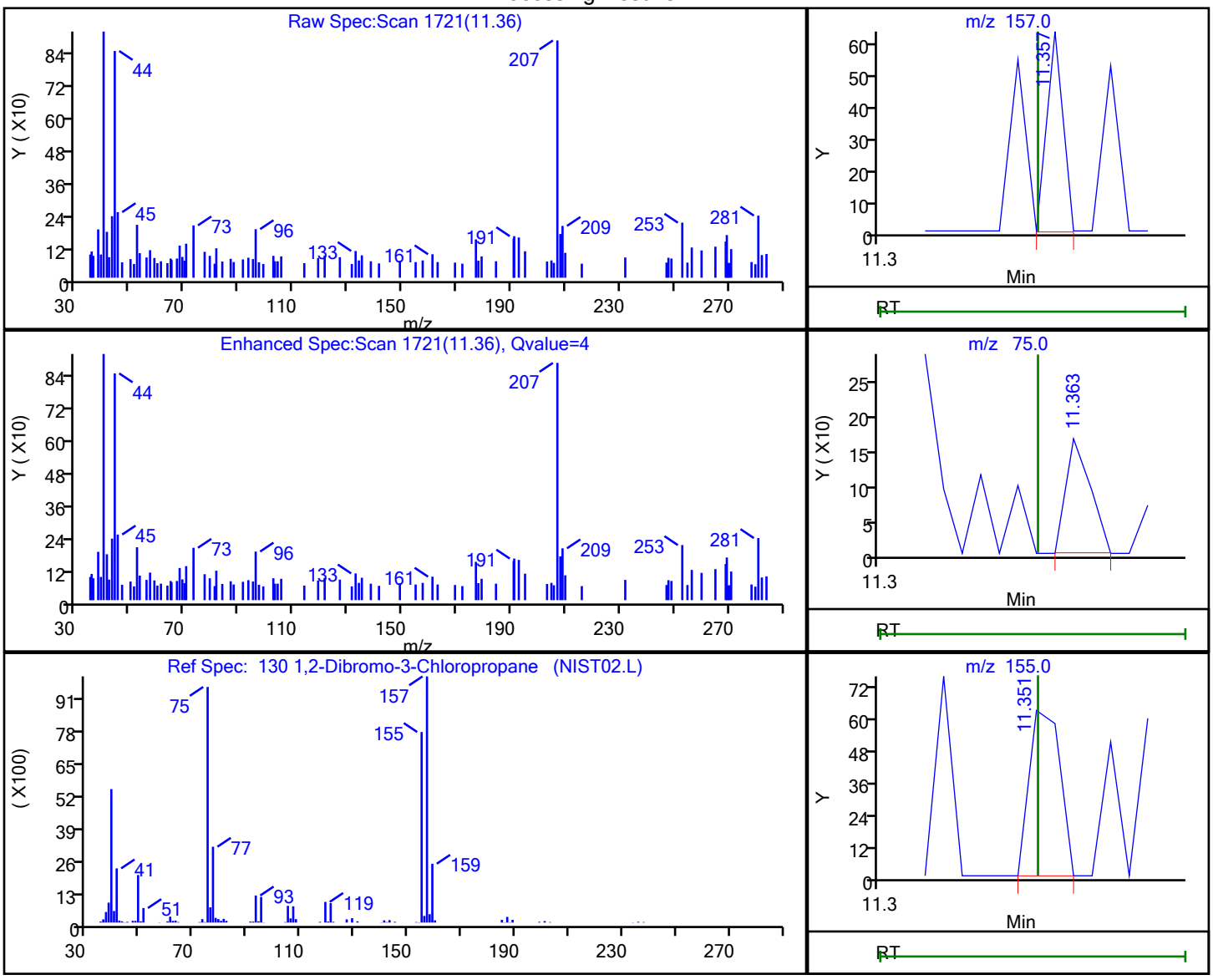
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D		
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

130 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Processing Results



RT	Mass	Response	Amount
11.36	157.00	23	0.049462
11.36	75.00	91	
11.35	155.00	44	

Reviewer: K0HS, 17-Jan-2023 12:21:16

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

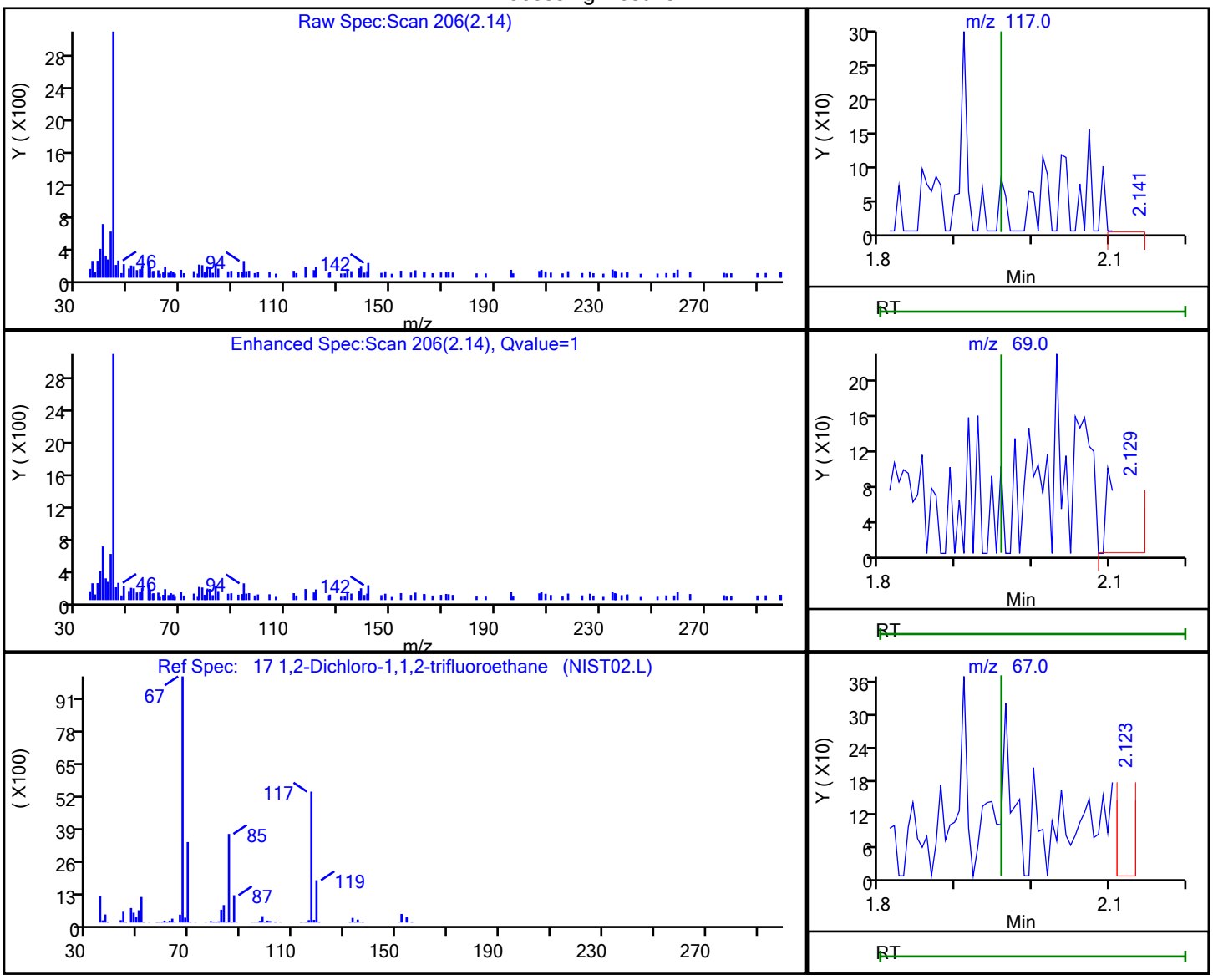
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results



RT	Mass	Response	Amount
2.14	117.00	117	0.125076
2.13	69.00	159	
2.12	67.00	79	
2.15	119.00	101	

Reviewer: K0HS, 17-Jan-2023 12:21:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

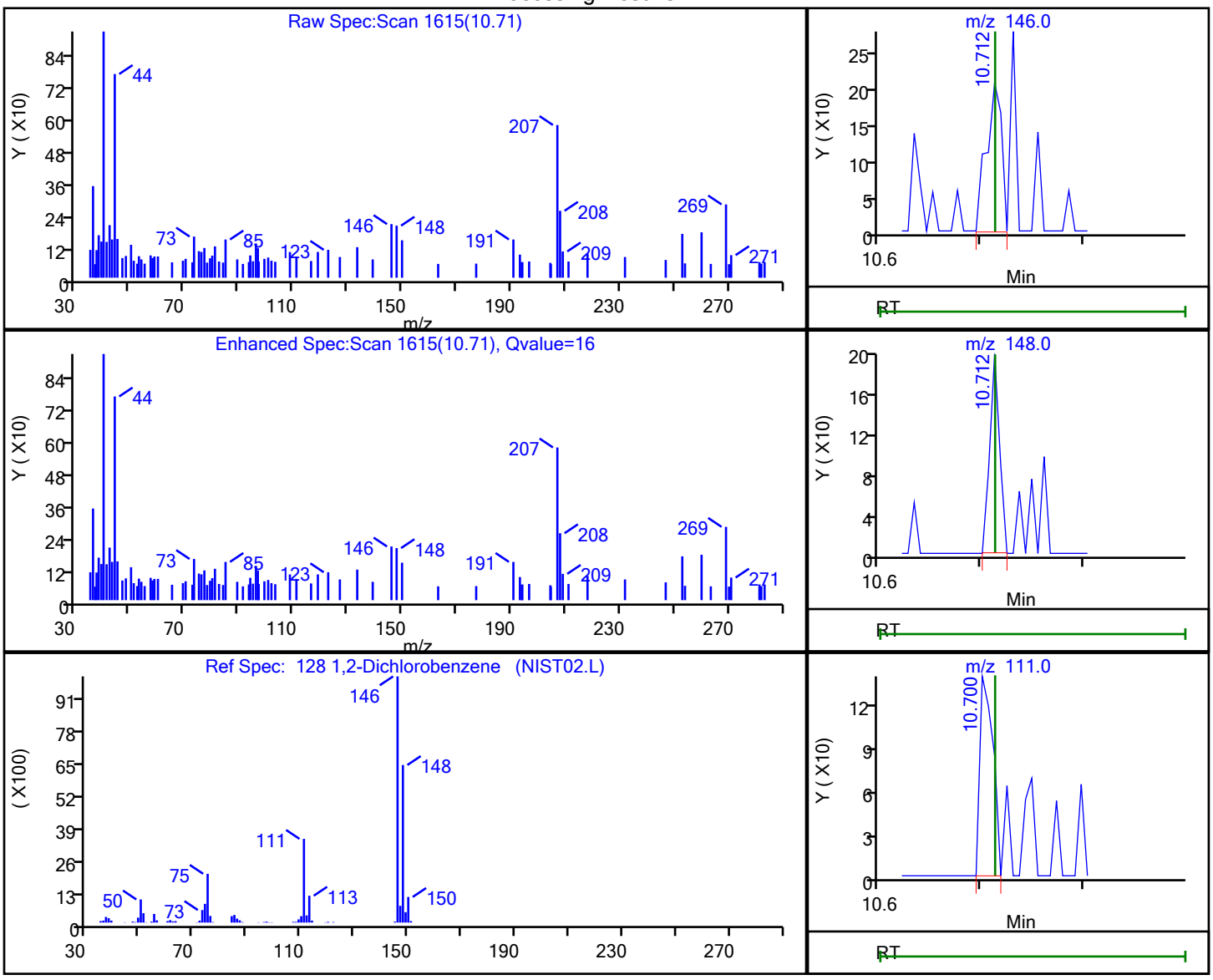
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

128 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
10.71	146.00	210	0.045352
10.71	148.00	132	
10.70	111.00	119	

Reviewer: K0HS, 17-Jan-2023 12:21:15

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

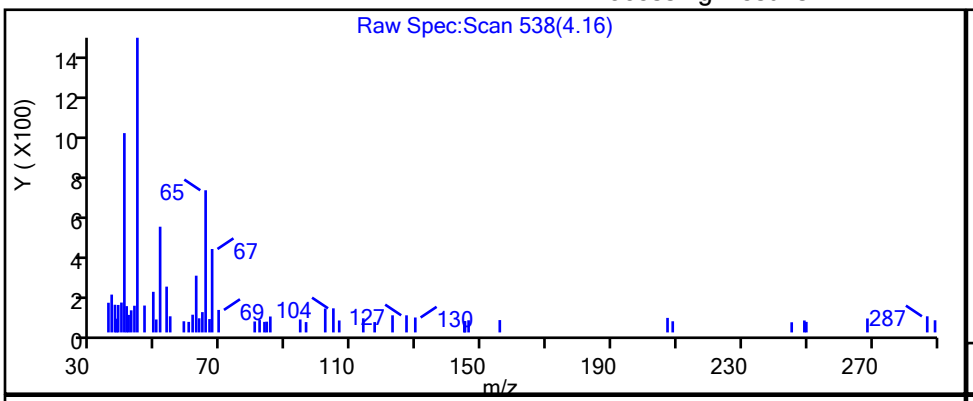
User Disabled Compound Report

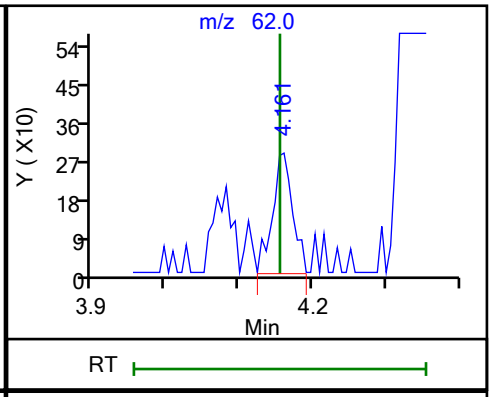
Eurofins Edison

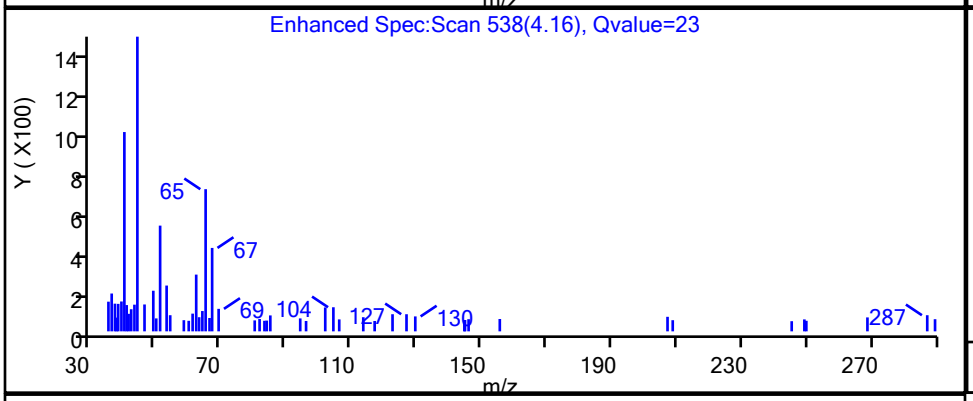
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D		
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

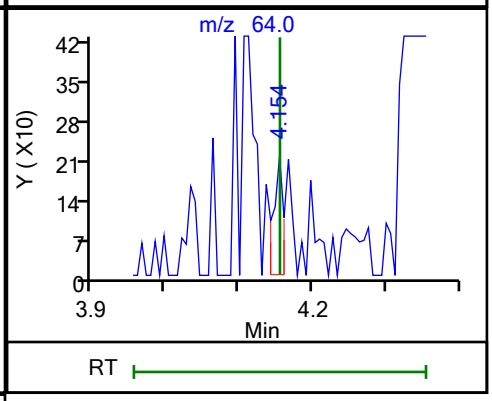
64 1,2-Dichloroethane, CAS: 107-06-2

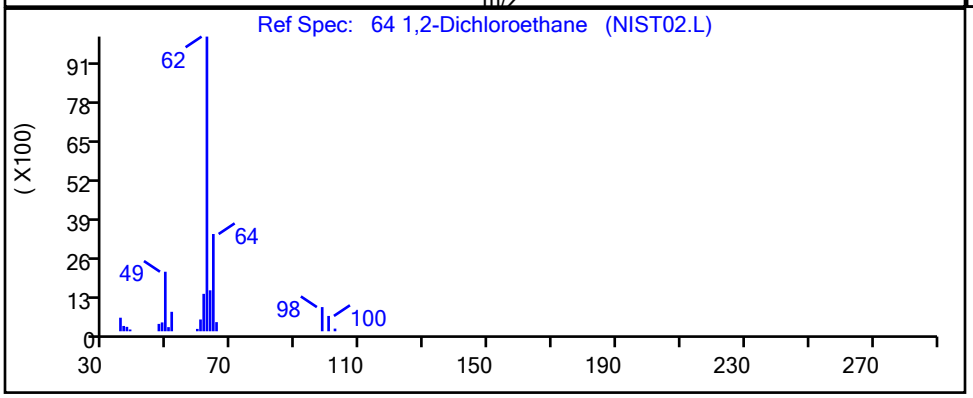
Processing Results











RT	Mass	Response	Amount
4.16	62.00	542	0.108520
4.15	64.00	194	

Reviewer: K0HS, 17-Jan-2023 12:19:58

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

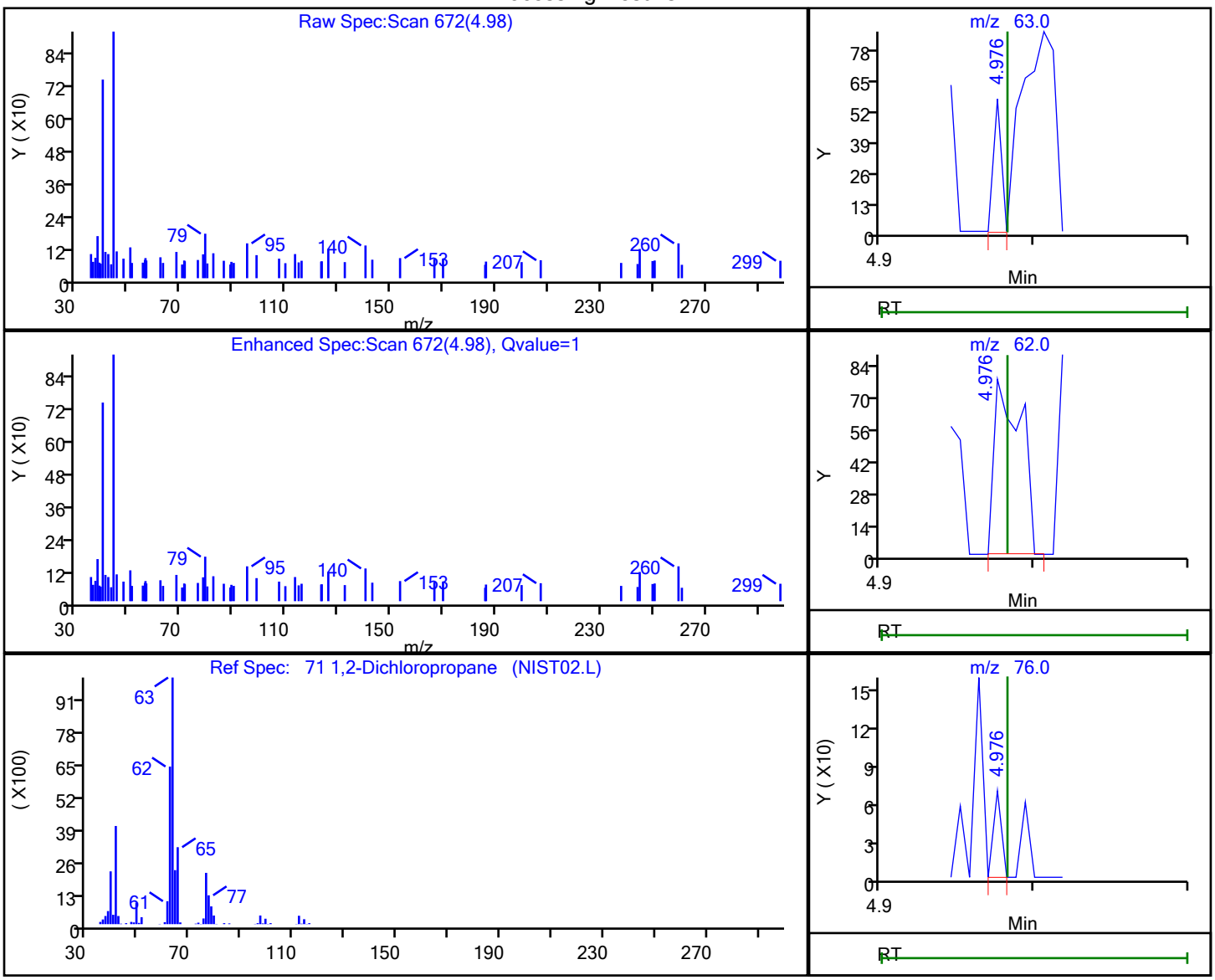
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
4.98	63.00	21	0.006193
4.98	62.00	95	
4.98	76.00	25	
4.98	112.00	0	

Reviewer: K0HS, 17-Jan-2023 12:20:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

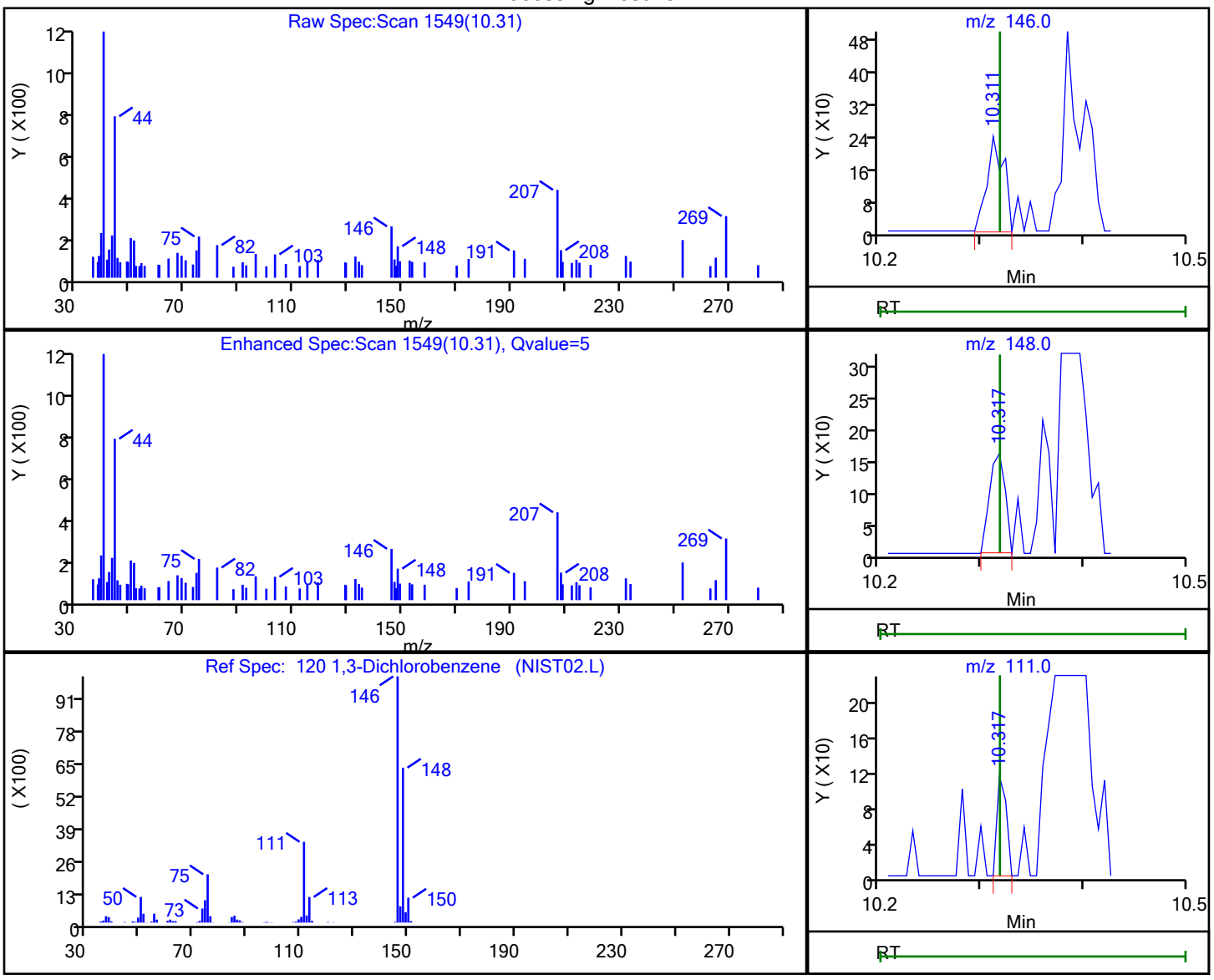
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
10.31	146.00	267	0.057446
10.32	148.00	171	
10.32	111.00	74	

Reviewer: K0HS, 17-Jan-2023 12:21:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

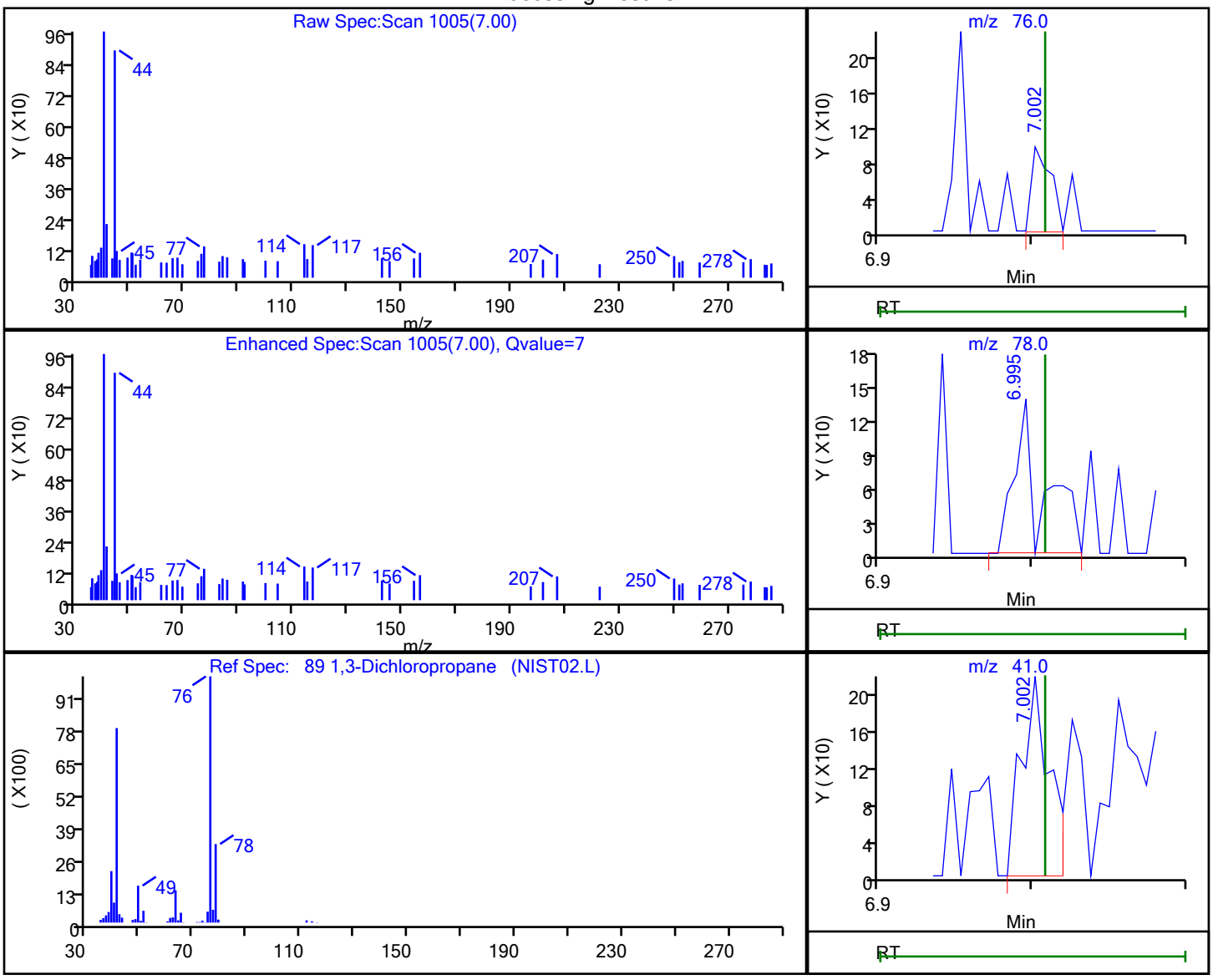
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

89 1,3-Dichloropropane, CAS: 142-28-9

Processing Results



RT	Mass	Response	Amount
7.00	76.00	82	0.020249
7.00	78.00	179	
7.00	41.00	270	

Reviewer: K0HS, 17-Jan-2023 12:20:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

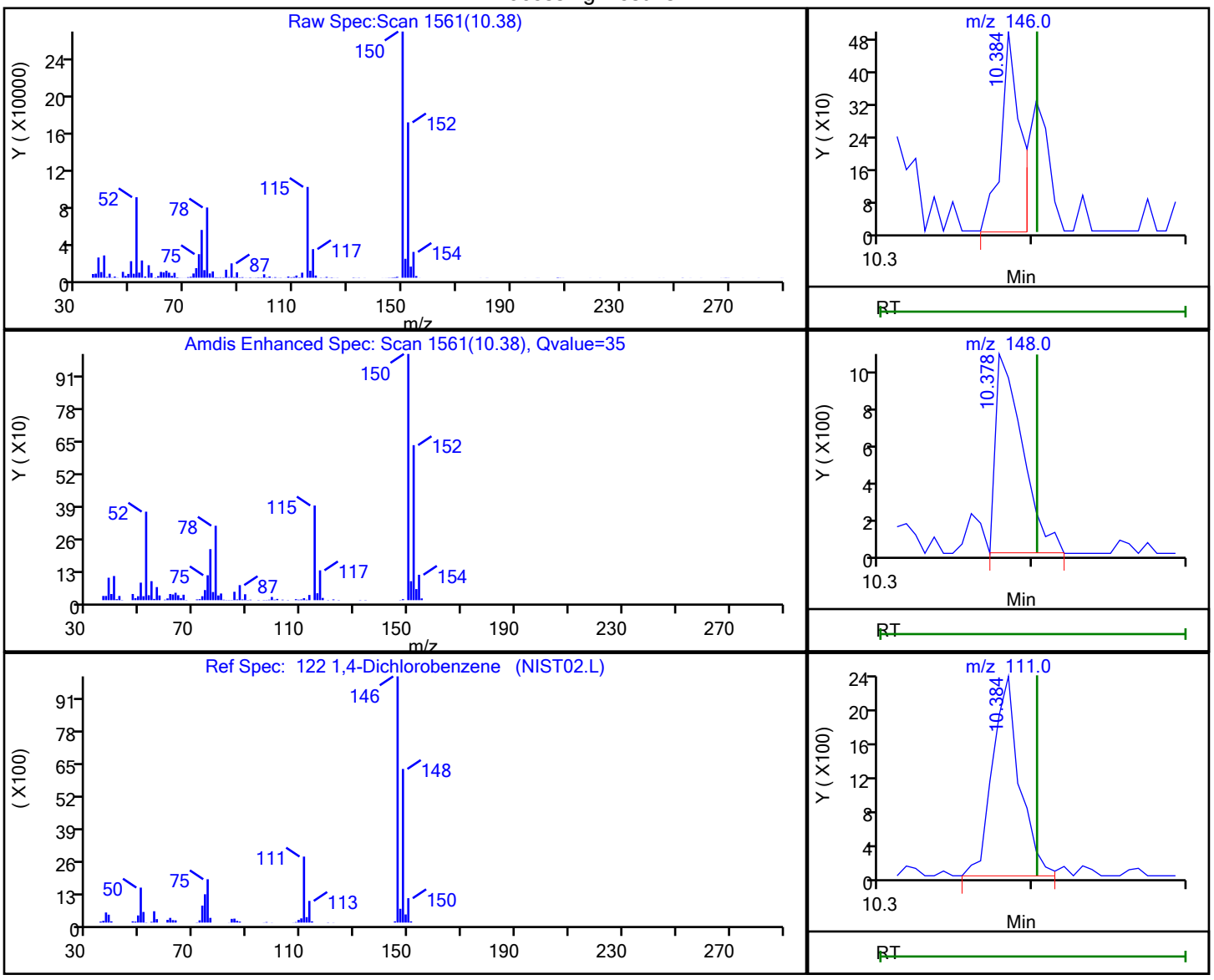
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
10.38	146.00	432	0.091953
10.38	148.00	1319	
10.38	111.00	2912	

Reviewer: K0HS, 17-Jan-2023 12:21:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

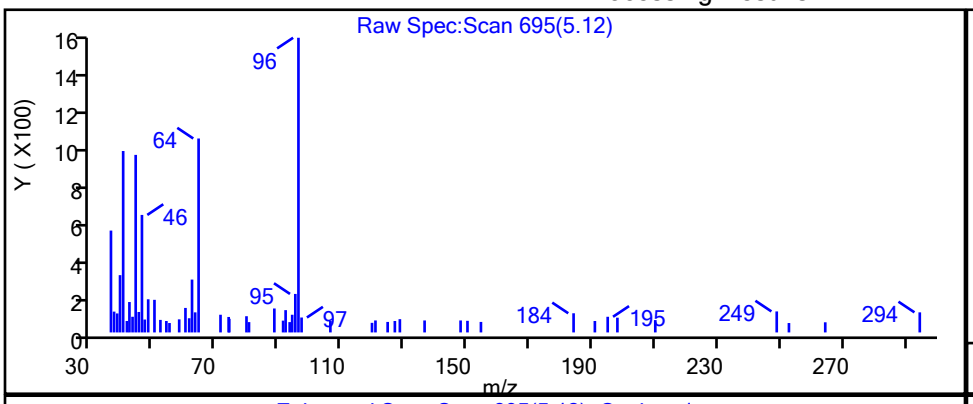
User Disabled Compound Report

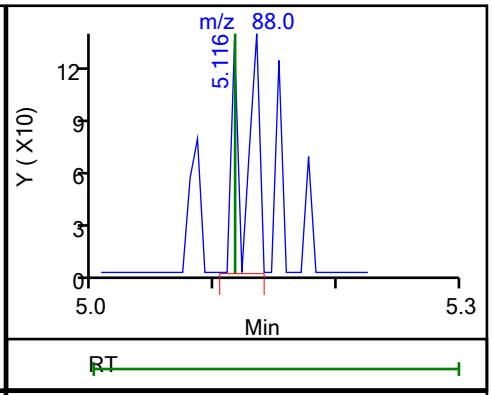
Eurofins Edison

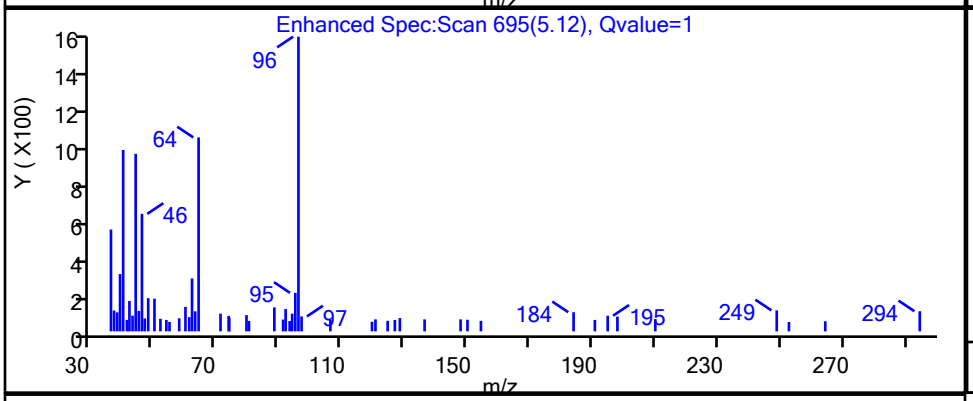
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

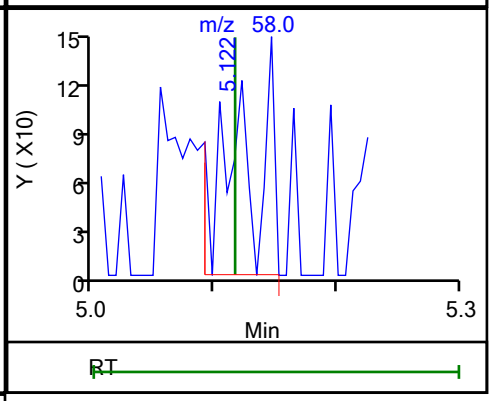
75 1,4-Dioxane, CAS: 123-91-1

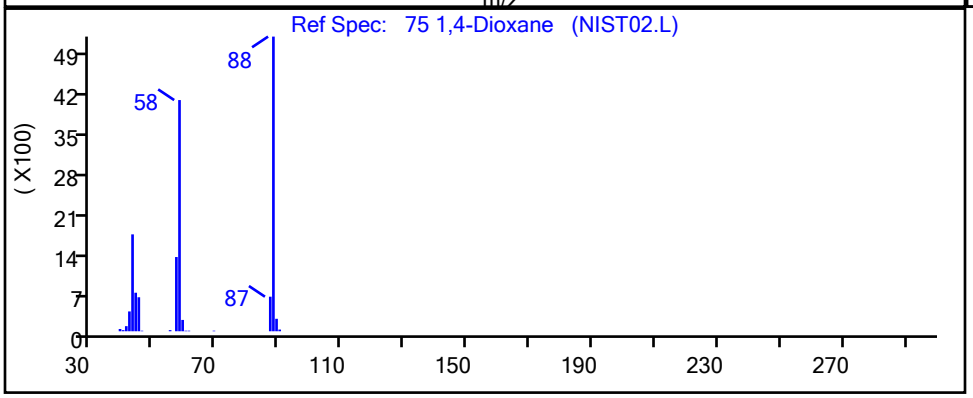
Processing Results











RT	Mass	Response	Amount
5.12	88.00	122	52.602038
5.12	58.00	250	

Reviewer: K0HS, 17-Jan-2023 12:20:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

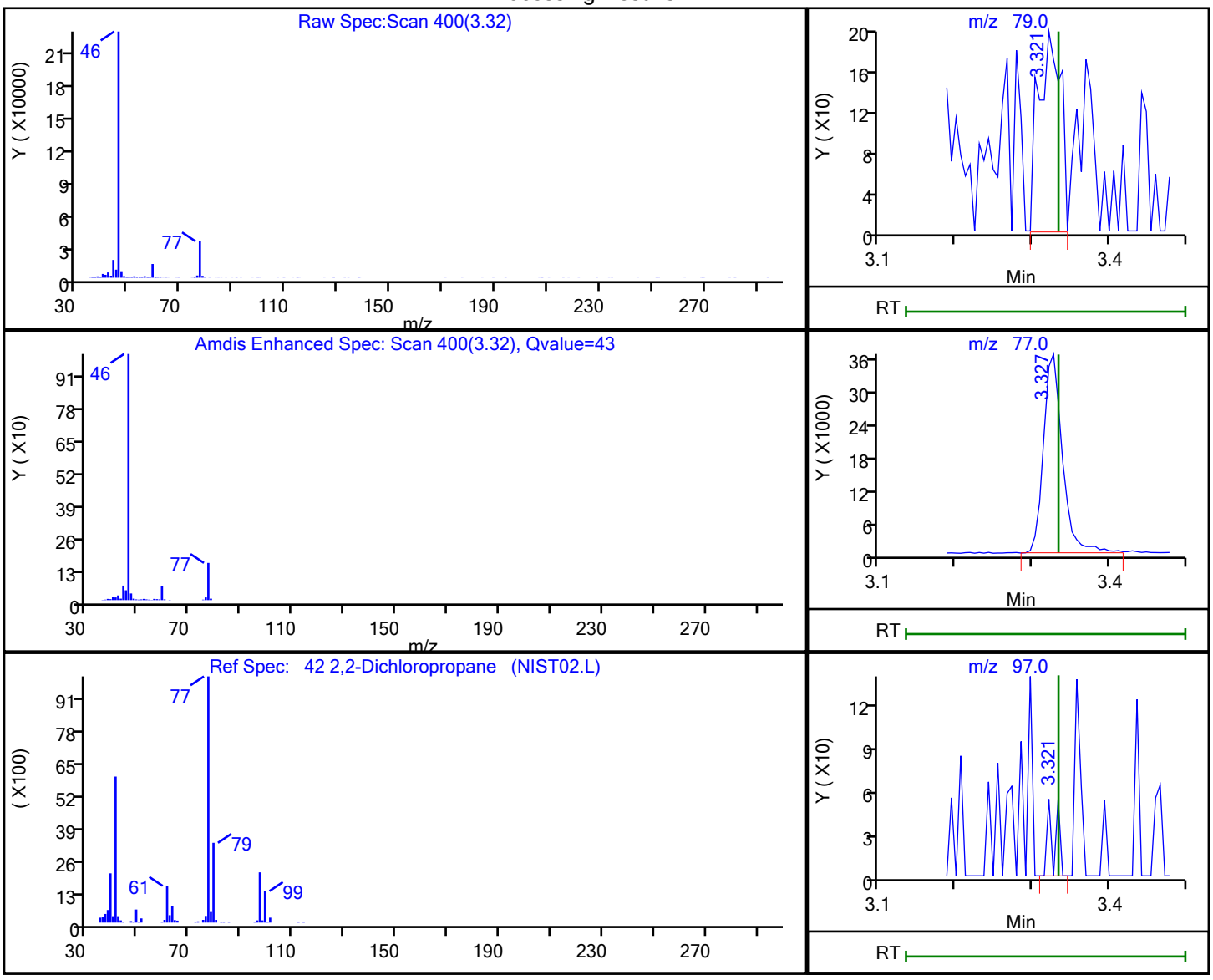
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
3.32	79.00	385	0.263909
3.33	77.00	63349	
3.32	97.00	39	

Reviewer: K0HS, 17-Jan-2023 12:19:43
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

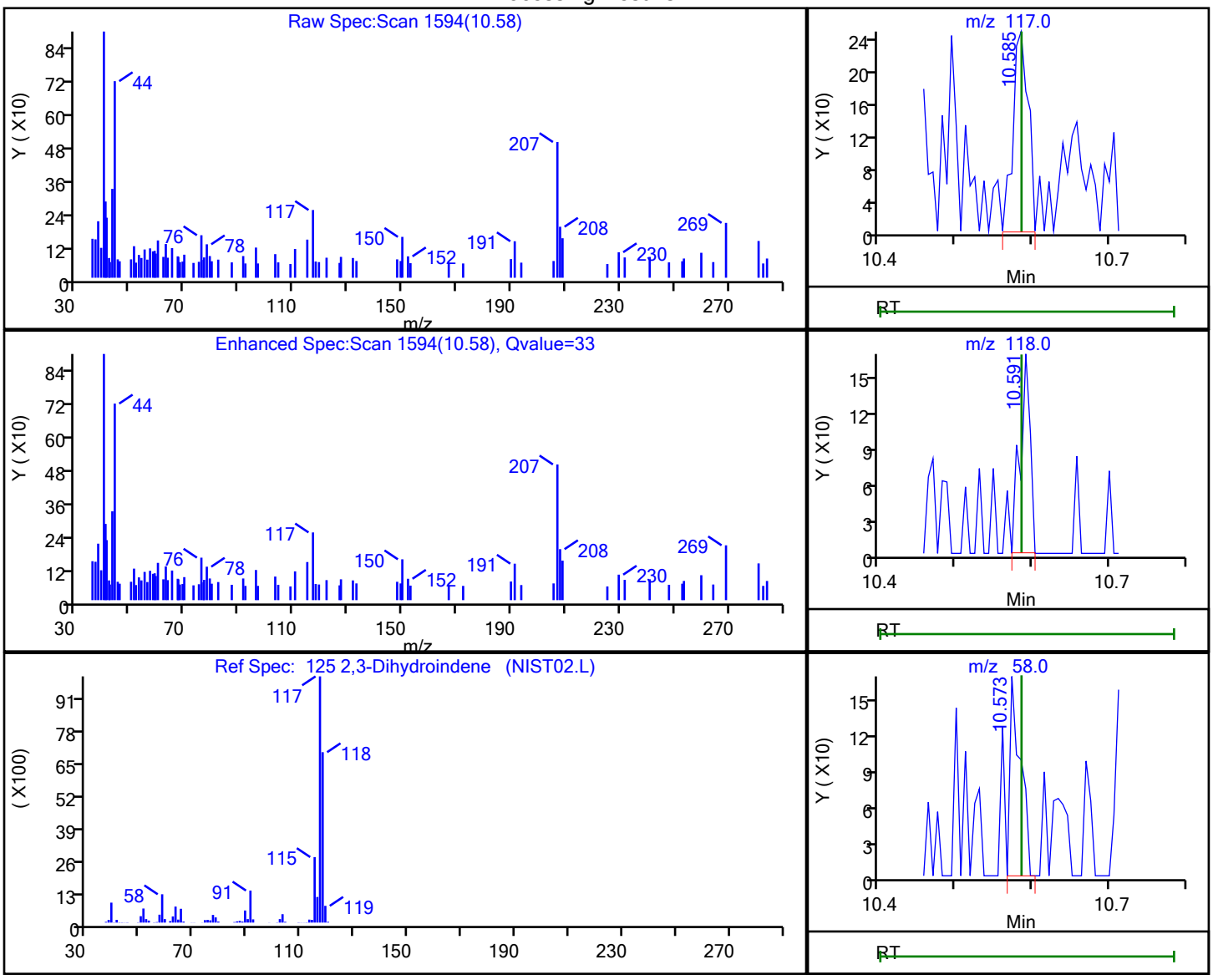
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

125 2,3-Dihydroindene, CAS: 496-11-7

Processing Results



RT	Mass	Response	Amount
10.58	117.00	342	0.043290
10.59	118.00	149	
10.57	58.00	158	

Reviewer: K0HS, 17-Jan-2023 12:22:15

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

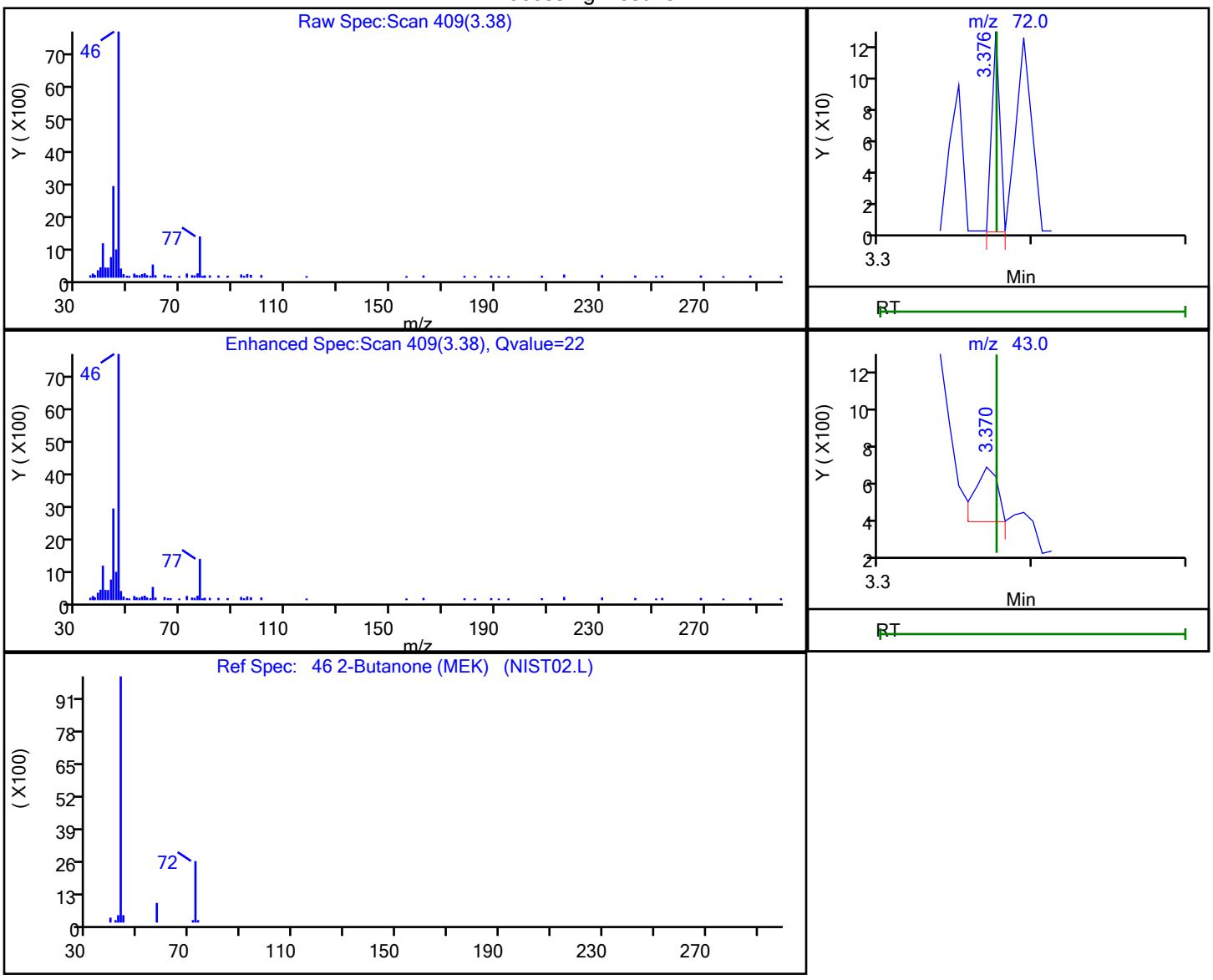
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
3.38	72.00	47	0.172488
3.37	43.00	298	

Reviewer: K0HS, 17-Jan-2023 12:19:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

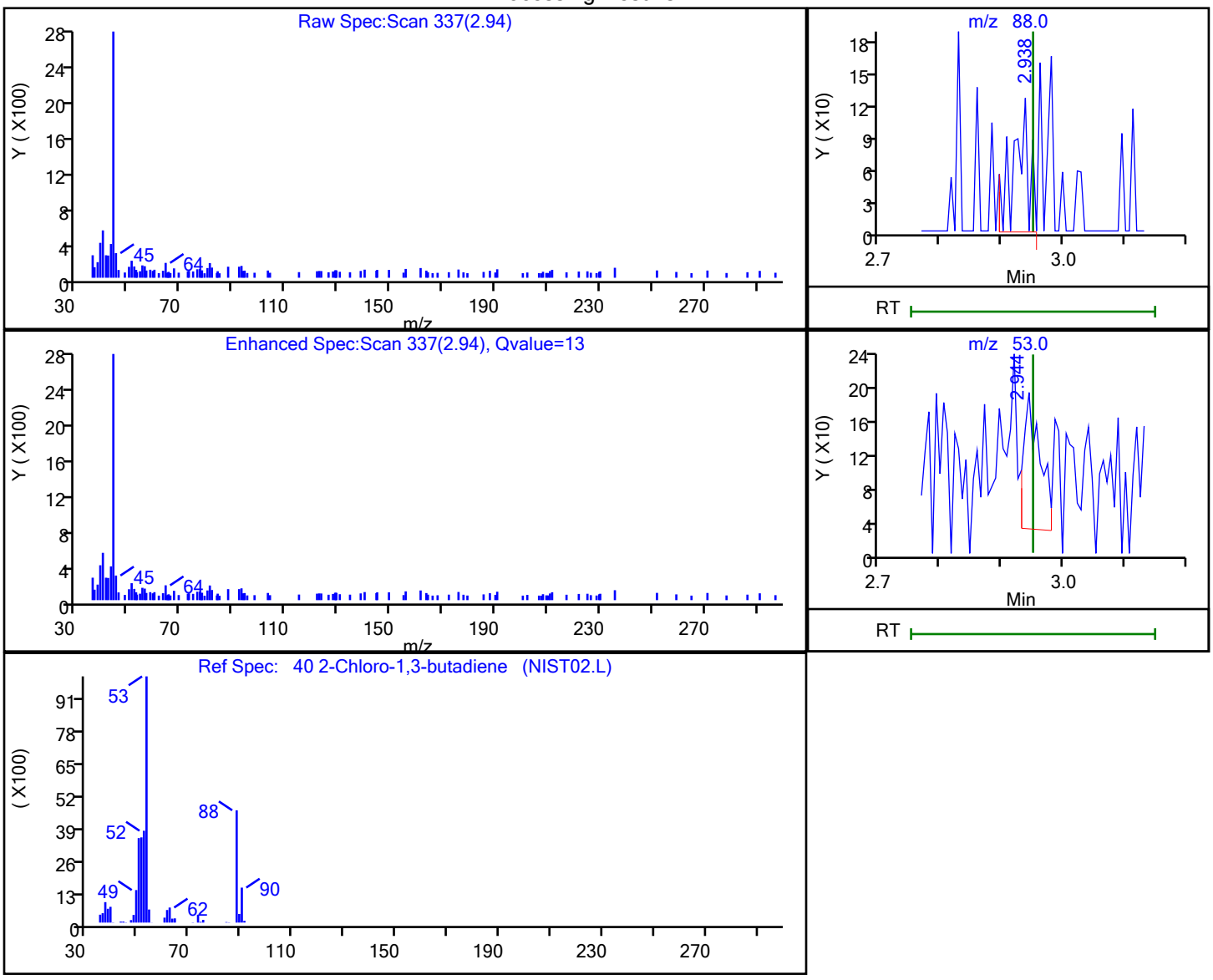
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

40 2-Chloro-1,3-butadiene, CAS: 126-99-8

Processing Results



RT	Mass	Response	Amount
2.94	88.00	209	0.098175
2.94	53.00	305	

Reviewer: K0HS, 17-Jan-2023 12:21:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

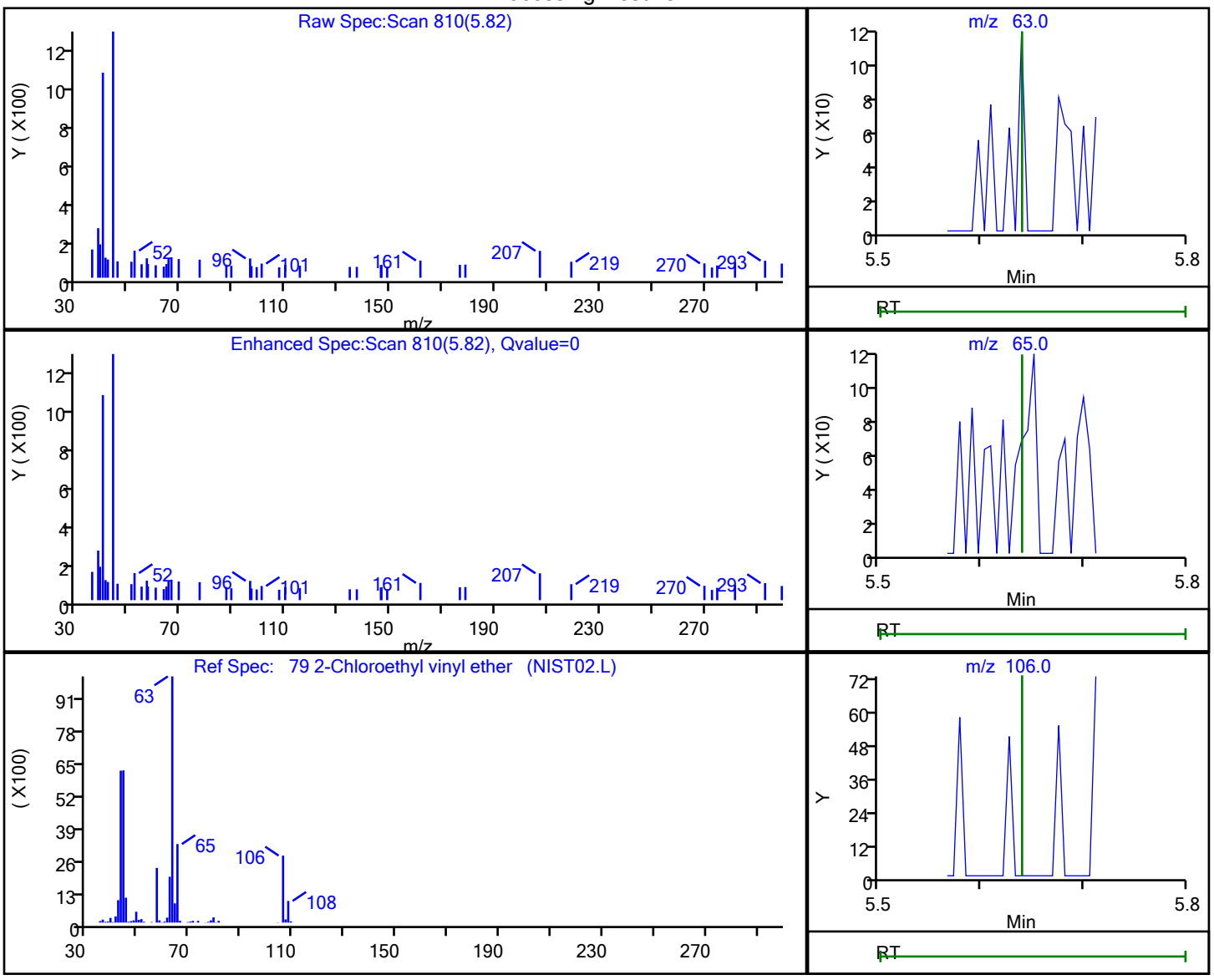
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

79 2-Chloroethyl vinyl ether, CAS: 110-75-8

Processing Results



RT	Mass	Response	Amount
5.82	63.00	44	0.028870
5.82	65.00	74	
5.83	106.00	28	

Reviewer: K0HS, 17-Jan-2023 12:20:17

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

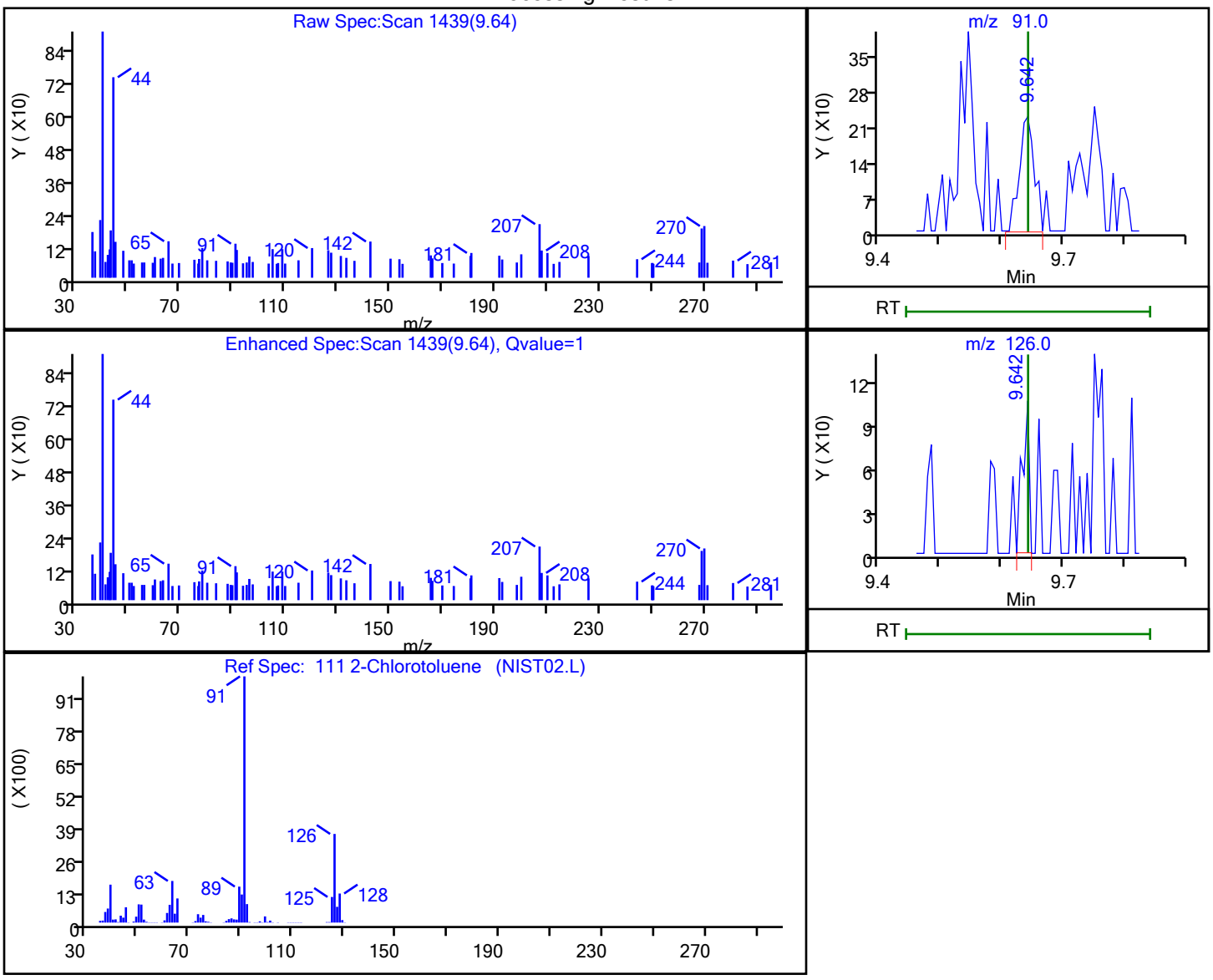
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

111 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
9.64	91.00	389	0.046940
9.64	126.00	79	

Reviewer: K0HS, 17-Jan-2023 12:20:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

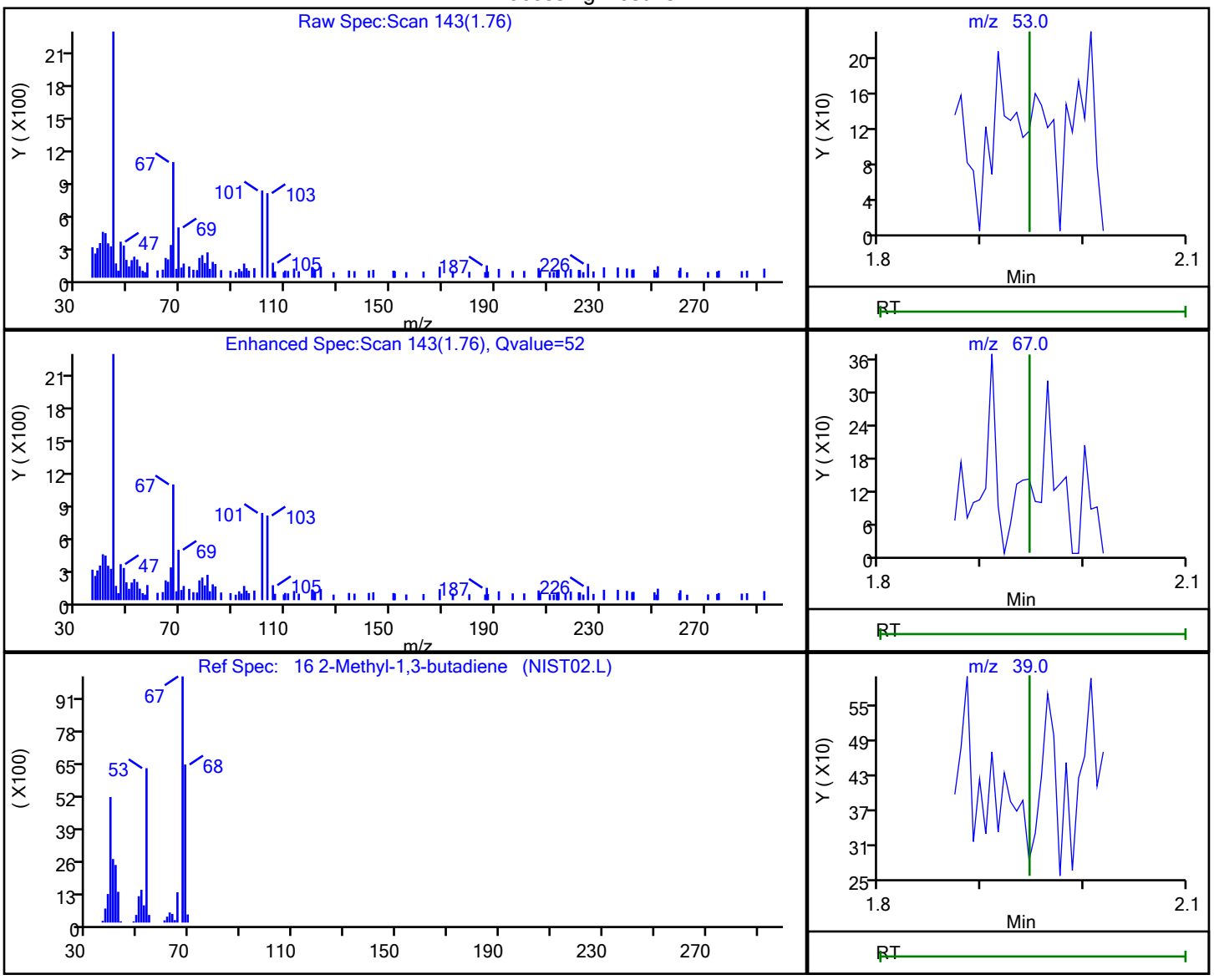
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
1.76	53.00	164	0.051460
1.75	67.00	1677	
1.76	39.00	337	

Reviewer: K0HS, 17-Jan-2023 12:19:13

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

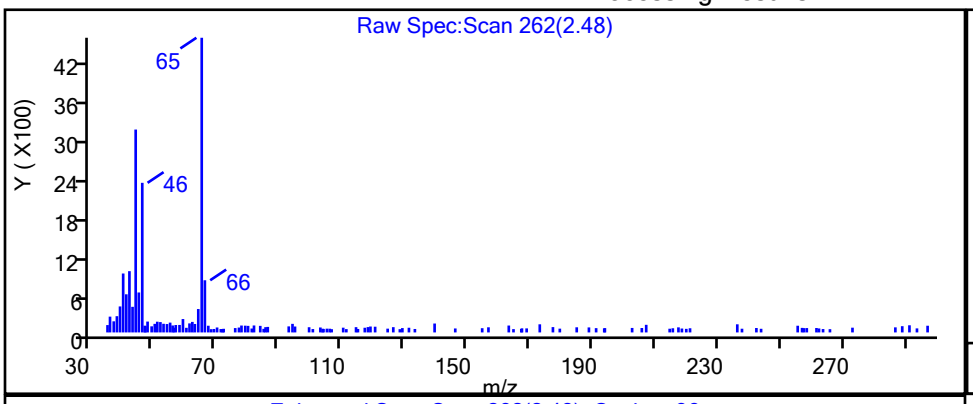
User Disabled Compound Report

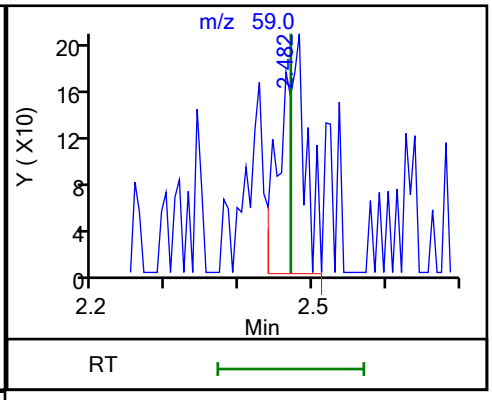
Eurofins Edison

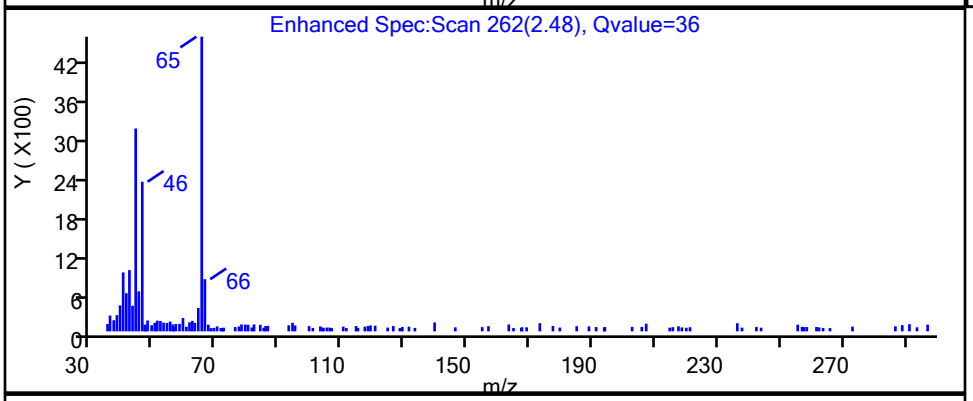
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

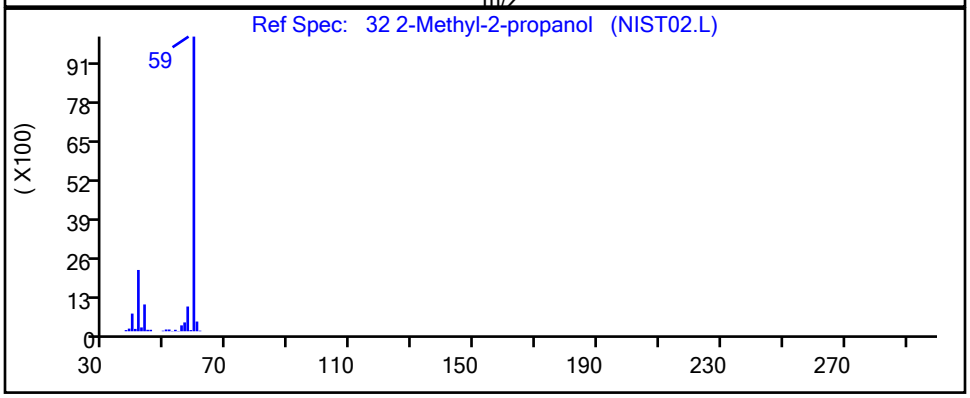
32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results









RT	Mass	Response	Amount
2.48	59.00	488	2.569114

Reviewer: K0HS, 17-Jan-2023 12:19:31

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

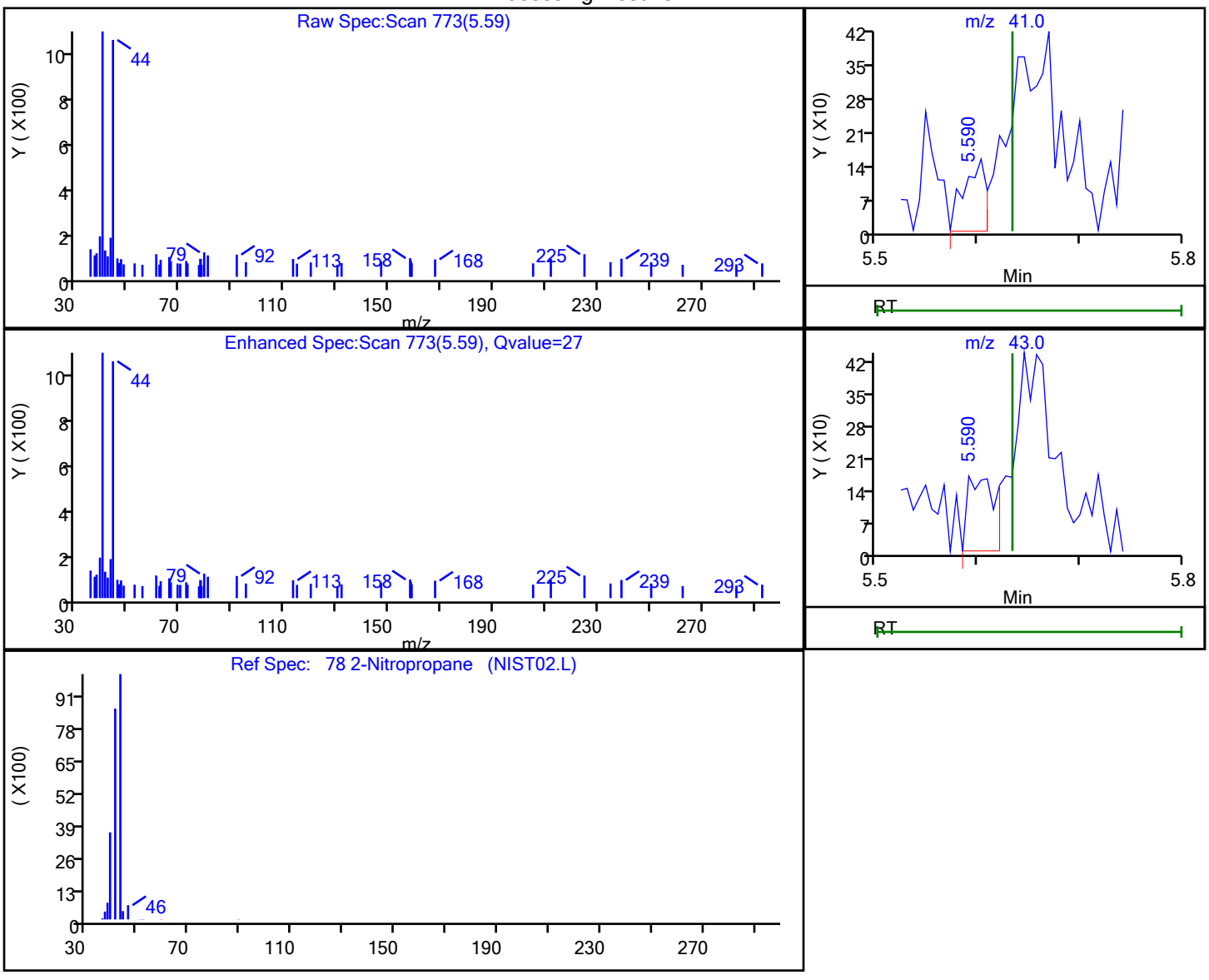
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

78 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
5.59	41.00	220	0.156436
5.59	43.00	313	

Reviewer: K0HS, 17-Jan-2023 12:22:03

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

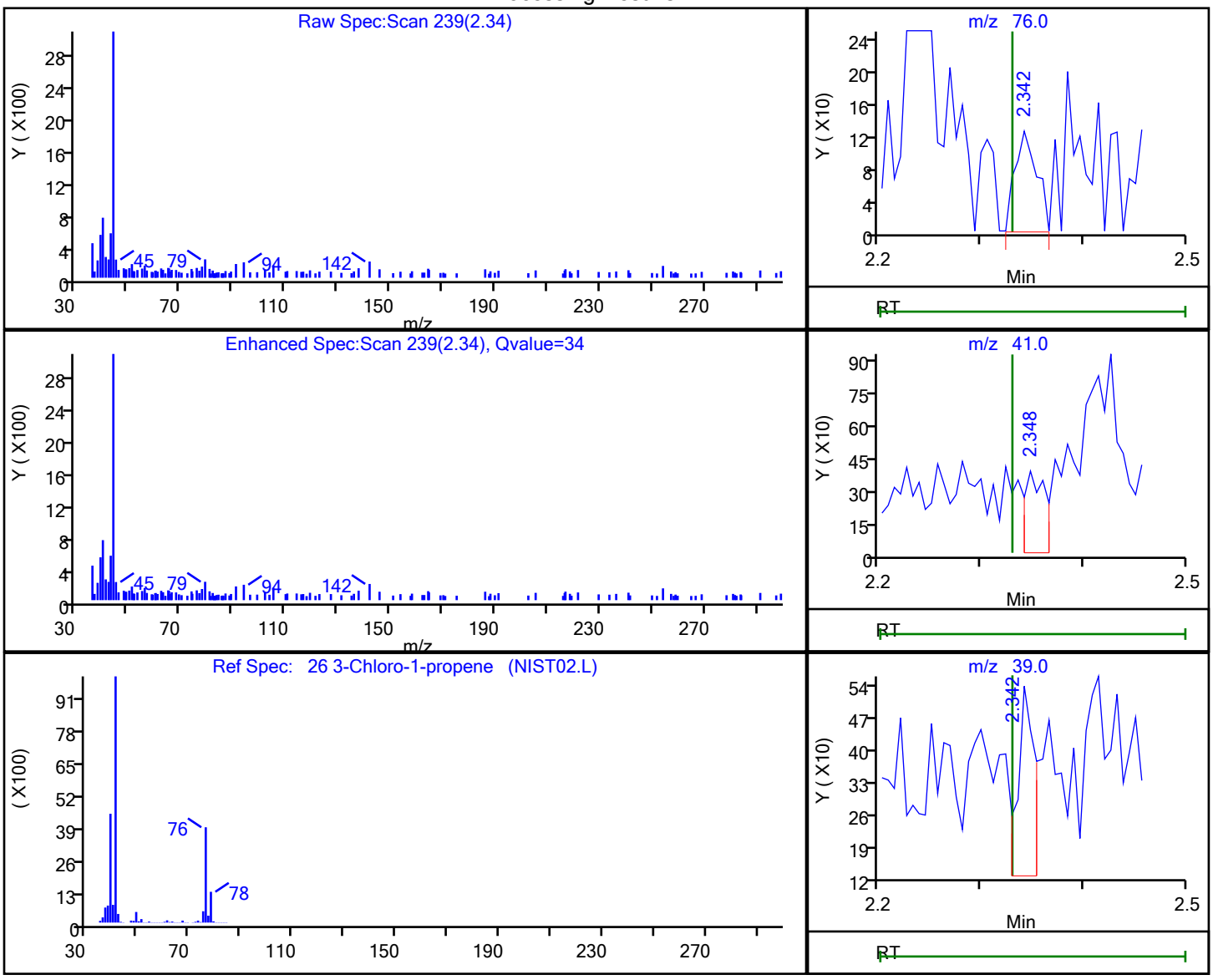
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
2.34	76.00	182	0.114625
2.35	41.00	543	
2.34	39.00	457	

Reviewer: K0HS, 17-Jan-2023 12:19:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

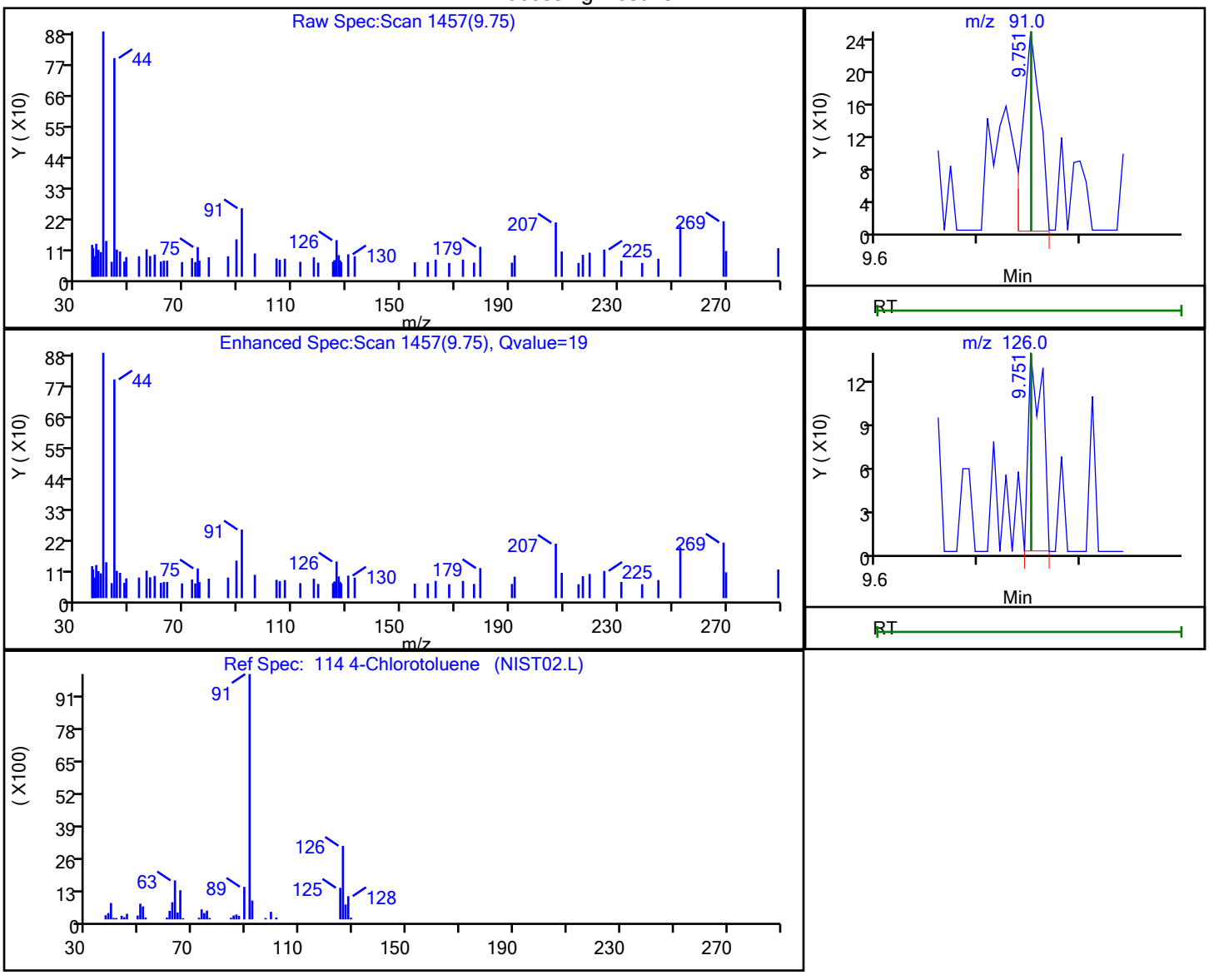
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

114 4-Chlorotoluene, CAS: 106-43-4

Processing Results



RT	Mass	Response	Amount
9.75	91.00	283	0.035782
9.75	126.00	126	

Reviewer: K0HS, 17-Jan-2023 12:20:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

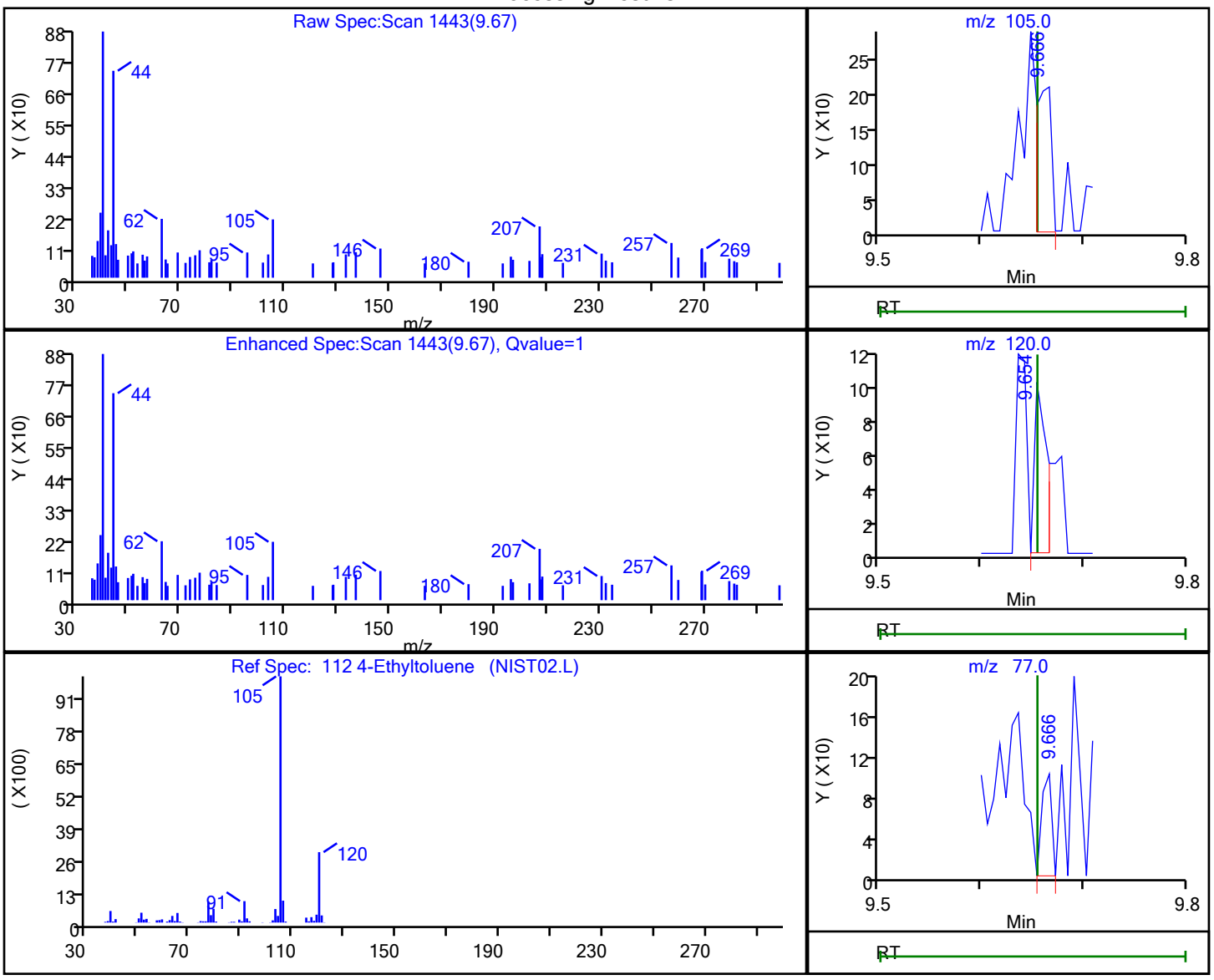
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

112 4-Ethyltoluene, CAS: 622-96-8

Processing Results



RT	Mass	Response	Amount
9.67	105.00	216	0.024115
9.65	120.00	80	
9.67	77.00	65	

Reviewer: K0HS, 17-Jan-2023 12:22:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

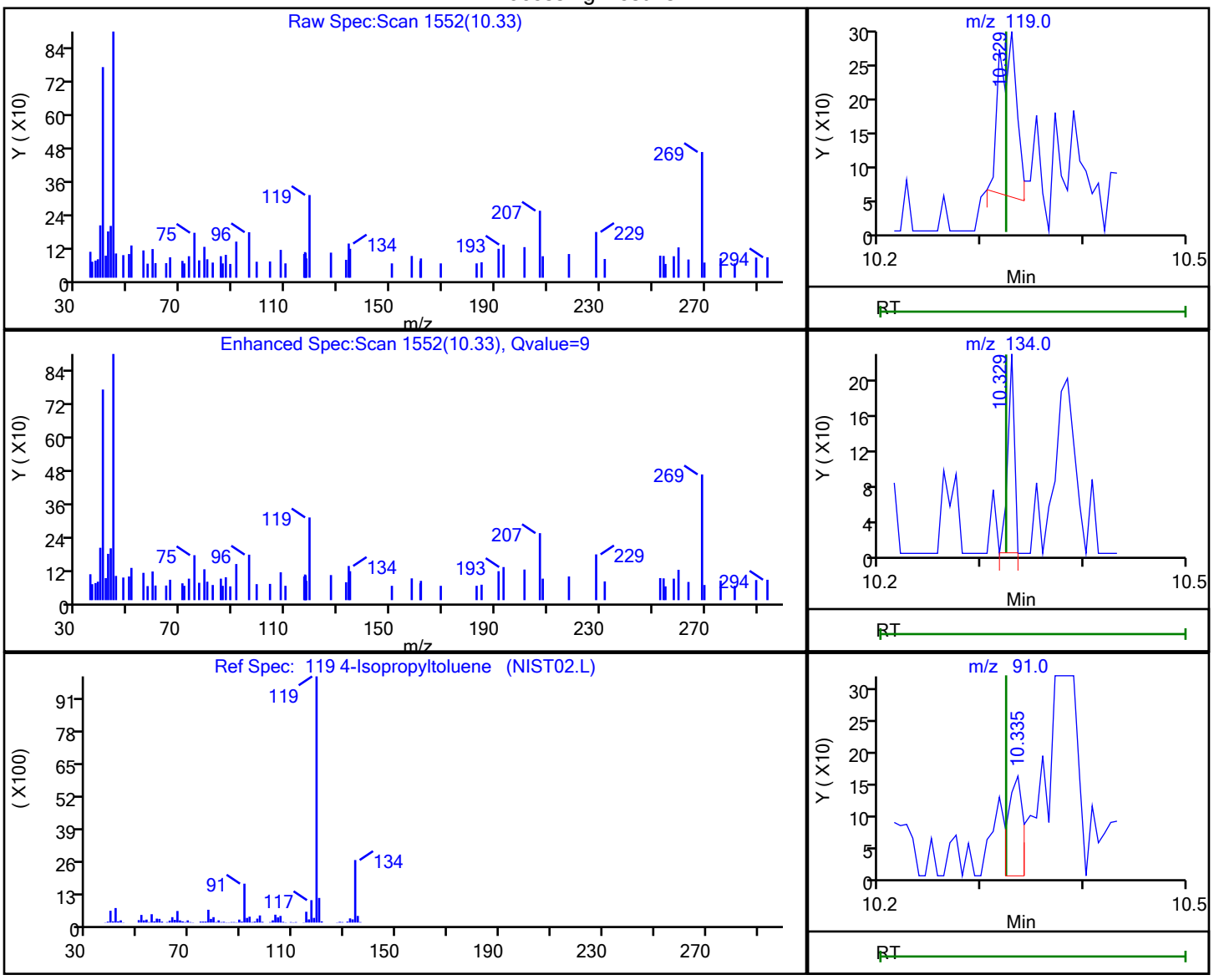
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.33	119.00	287	0.042517
10.33	134.00	103	
10.34	91.00	161	

Reviewer: K0HS, 17-Jan-2023 12:21:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

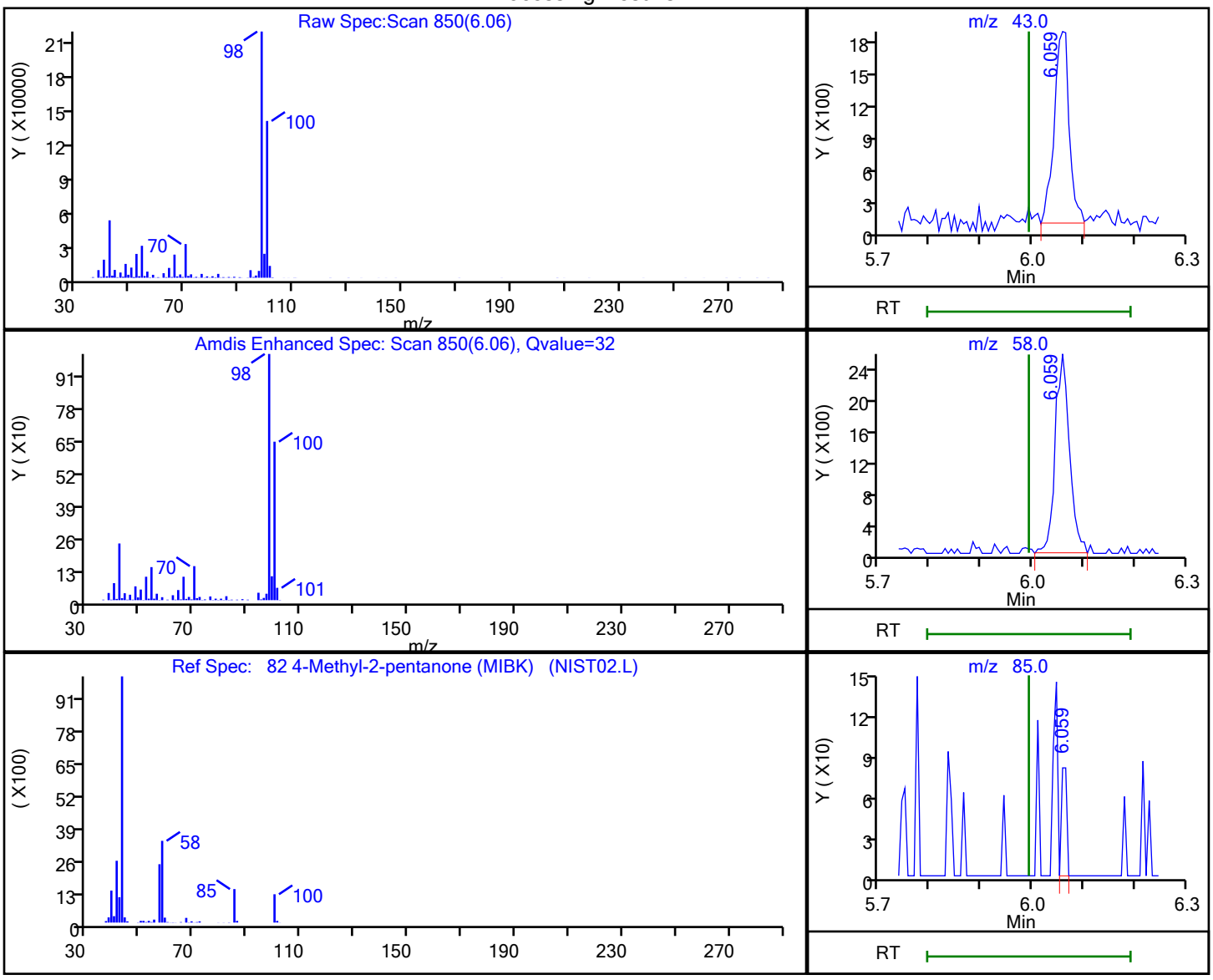
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.06	43.00	3688	1.087319
6.06	58.00	5054	
6.06	85.00	58	
6.06	100.00	267486	

Reviewer: K0HS, 17-Jan-2023 12:20:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

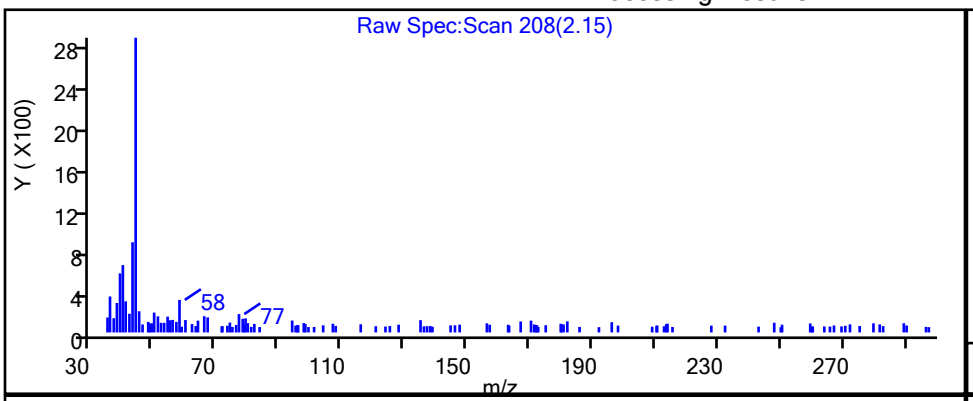
User Disabled Compound Report

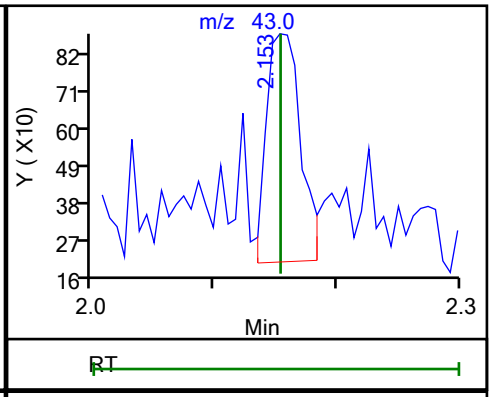
Eurofins Edison

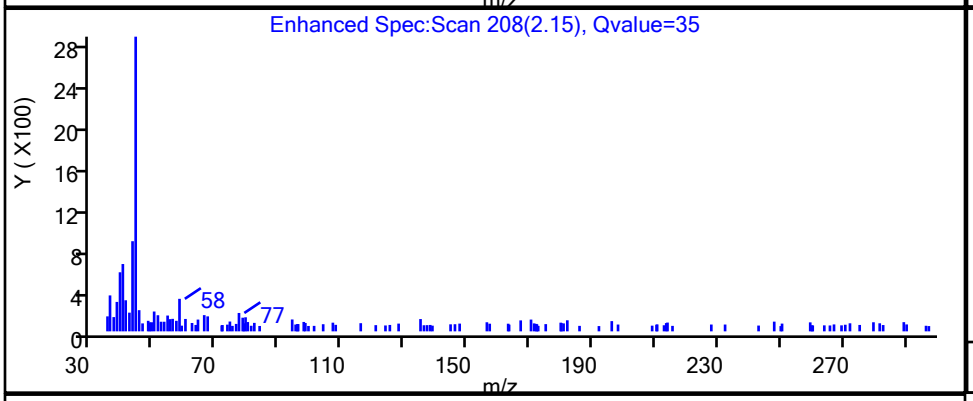
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

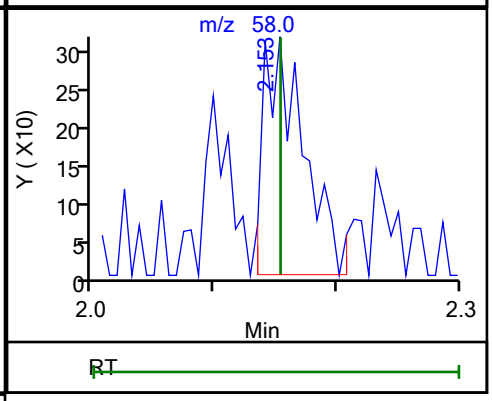
22 Acetone, CAS: 67-64-1

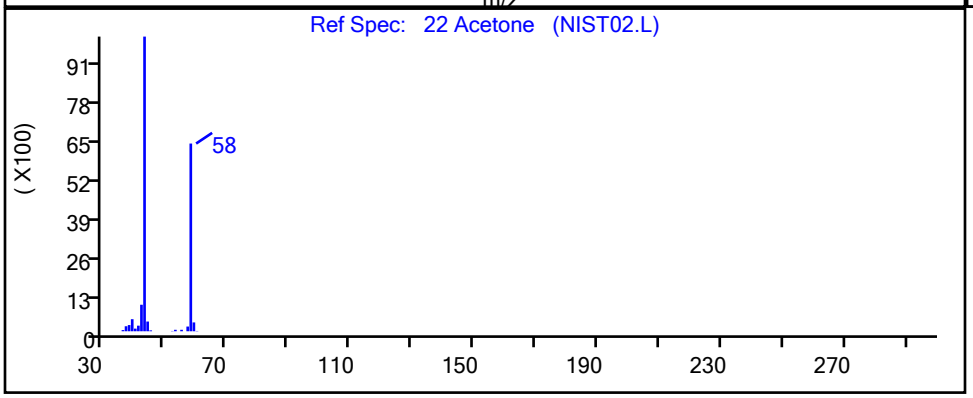
Processing Results











RT	Mass	Response	Amount
2.15	43.00	1323	1.018887
2.15	58.00	726	

Reviewer: K0HS, 17-Jan-2023 12:19:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

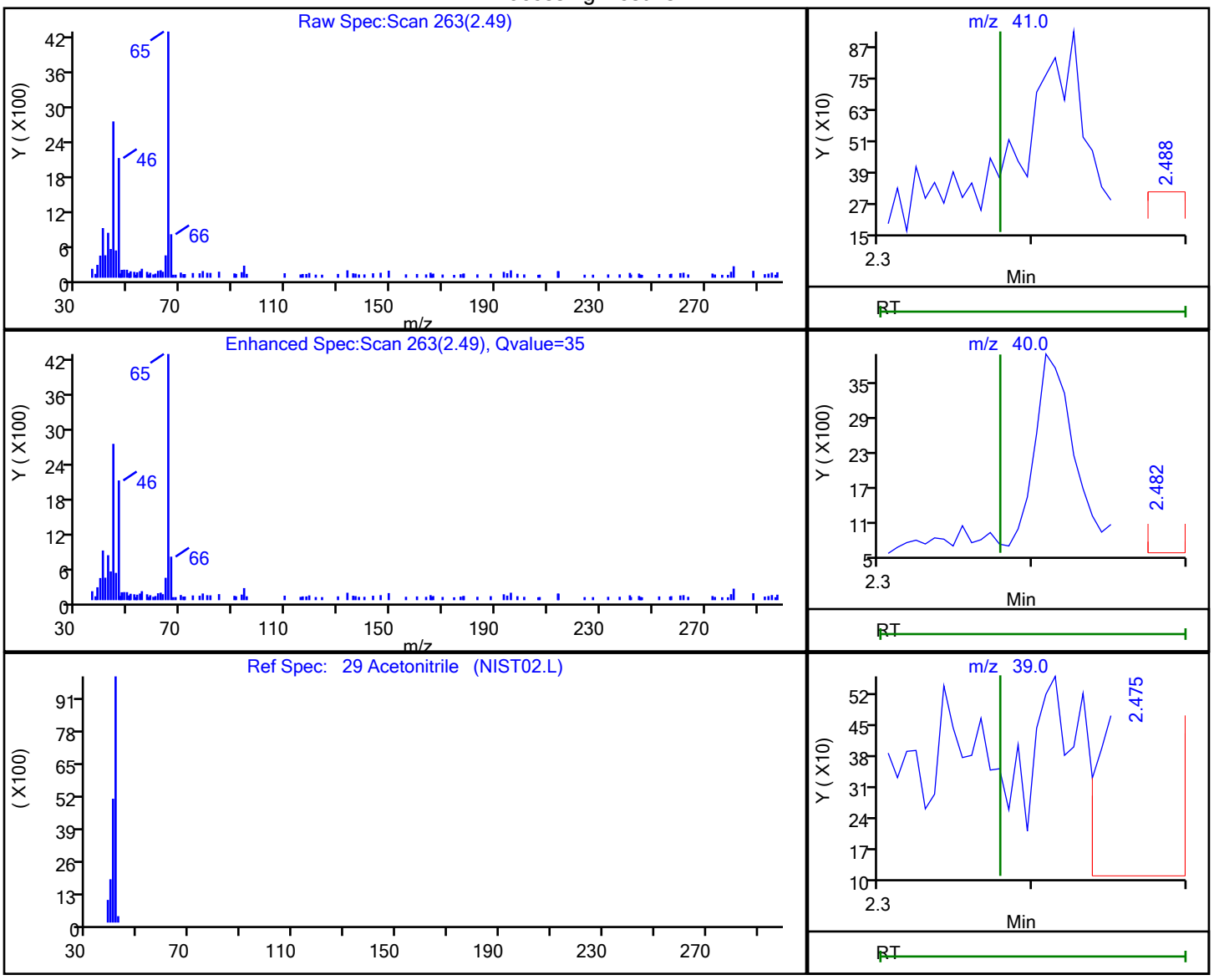
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.49	41.00	647	10.140798
2.48	40.00	415	
2.48	39.00	1093	
2.48	38.00	161	

Reviewer: K0HS, 17-Jan-2023 12:19:29
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

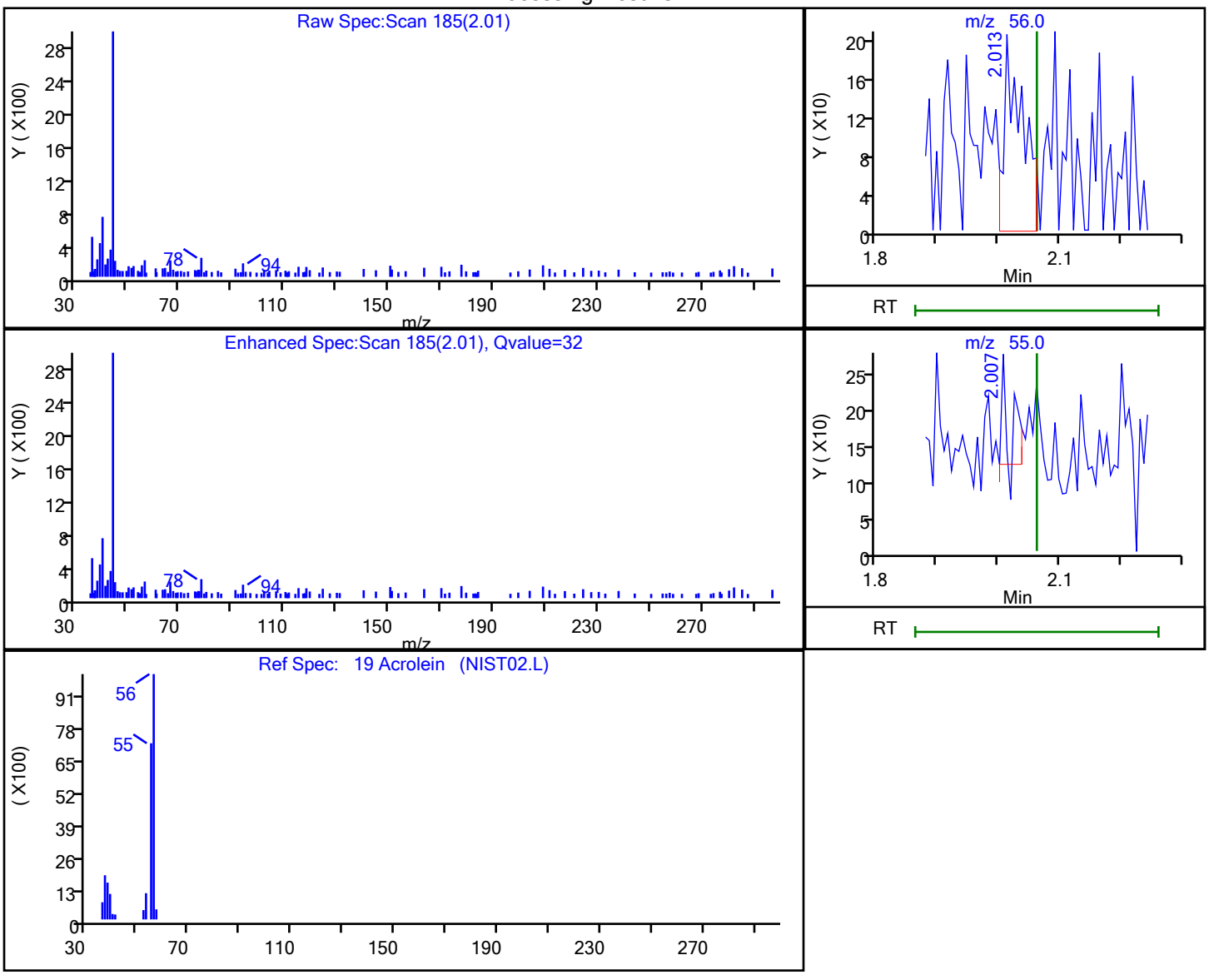
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
2.01	56.00	426	0.890945
2.01	55.00	126	

Reviewer: K0HS, 17-Jan-2023 12:19:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

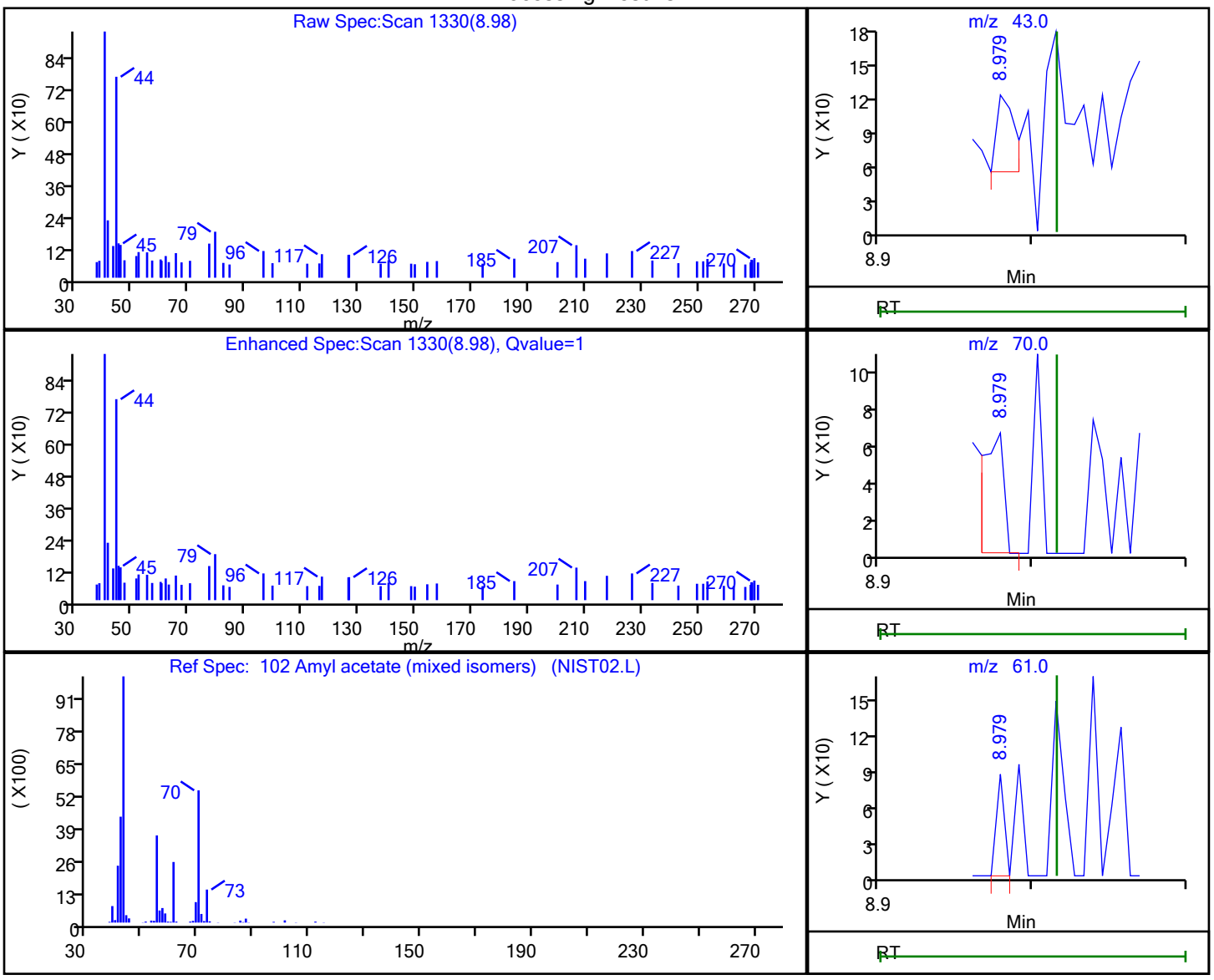
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

102 Amyl acetate (mixed isomers), CAS: 628-63-7

Processing Results



RT	Mass	Response	Amount
8.98	43.00	55	0.011169
8.98	70.00	62	
8.98	61.00	30	

Reviewer: K0HS, 17-Jan-2023 12:20:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

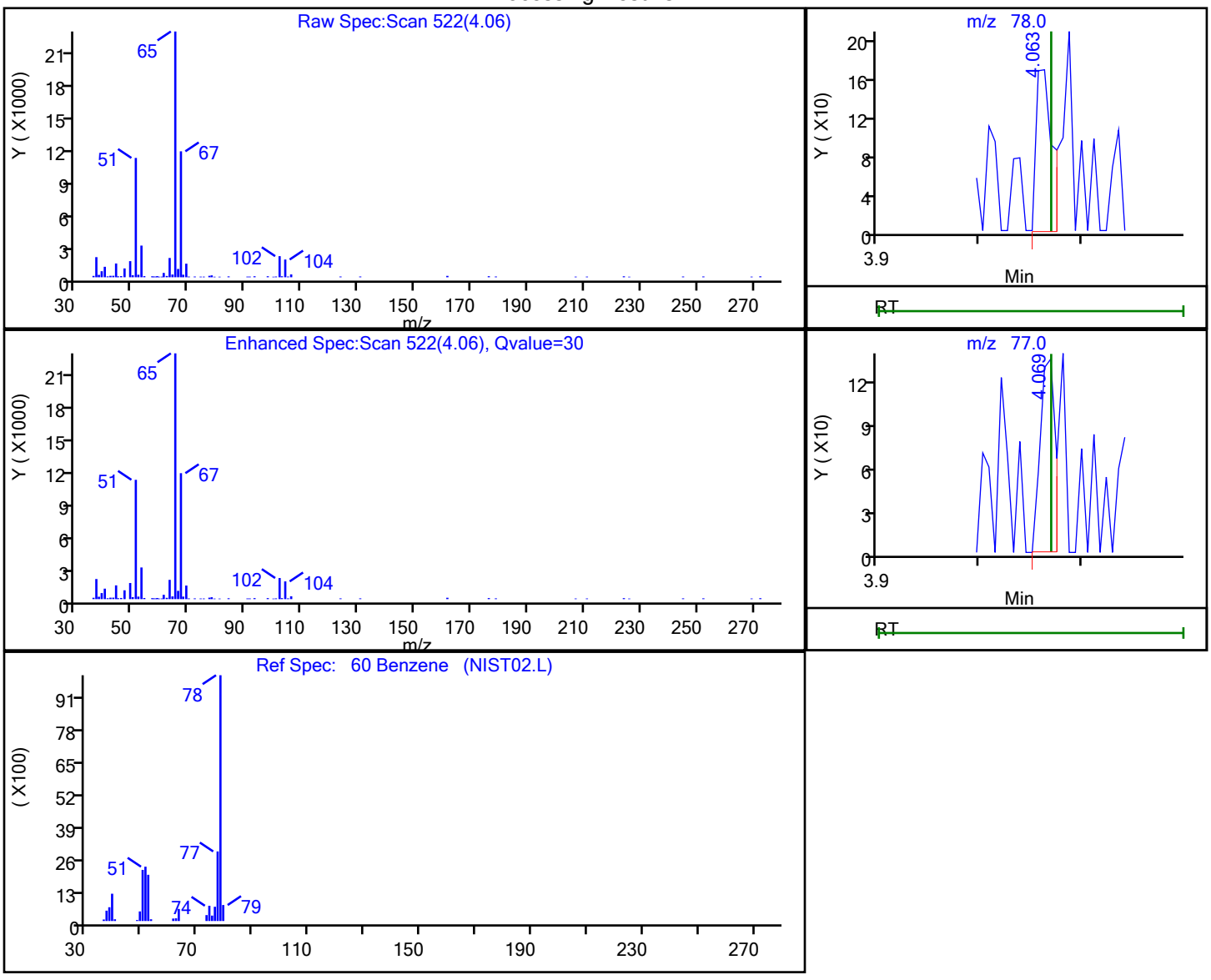
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

60 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
4.06	78.00	186	0.017659
4.07	77.00	142	

Reviewer: K0HS, 17-Jan-2023 12:19:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

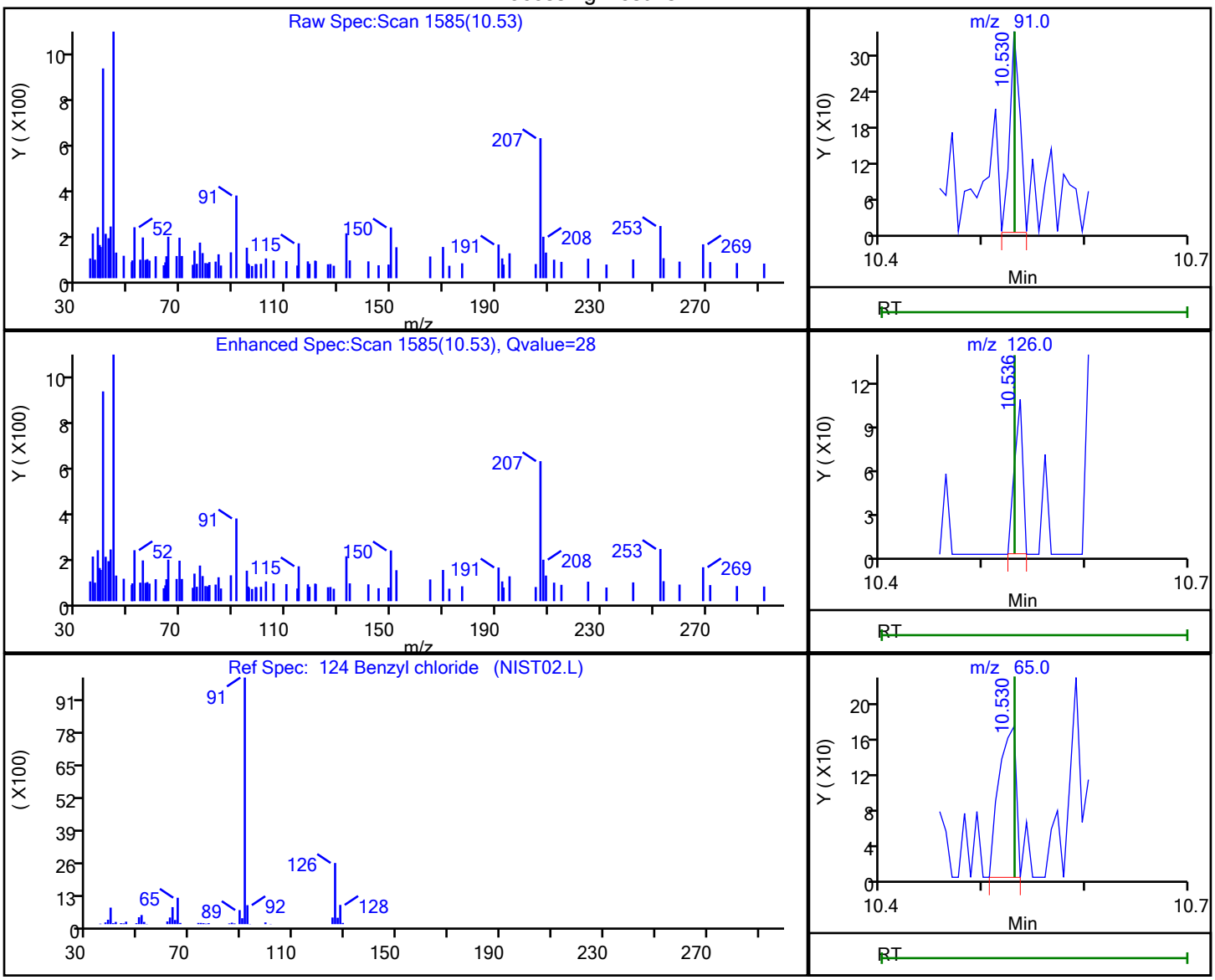
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
10.53	91.00	232	0.053671
10.54	126.00	59	
10.53	65.00	199	

Reviewer: K0HS, 17-Jan-2023 12:21:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

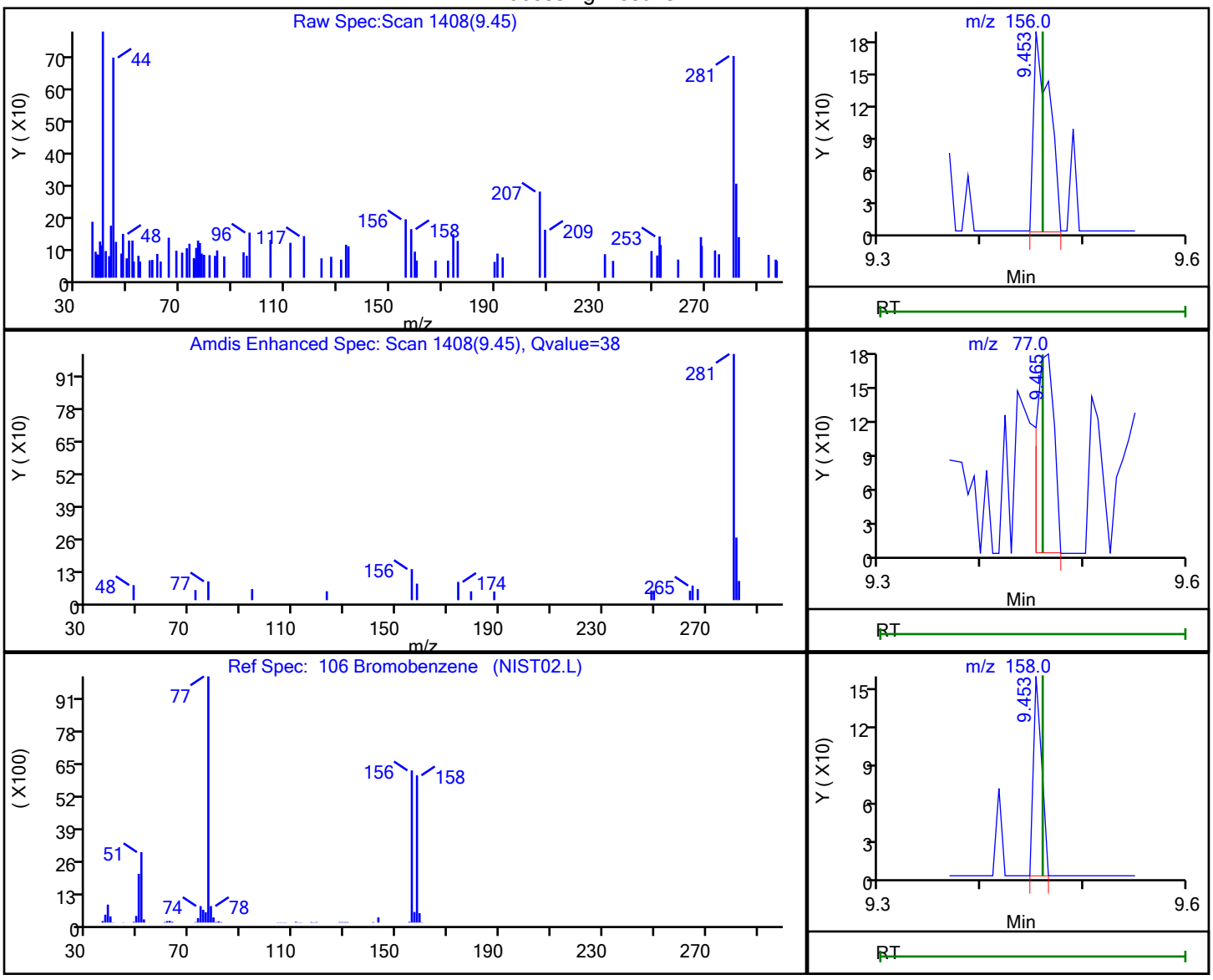
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

106 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
9.45	156.00	195	0.075211
9.47	77.00	205	
9.45	158.00	85	

Reviewer: K0HS, 17-Jan-2023 12:20:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

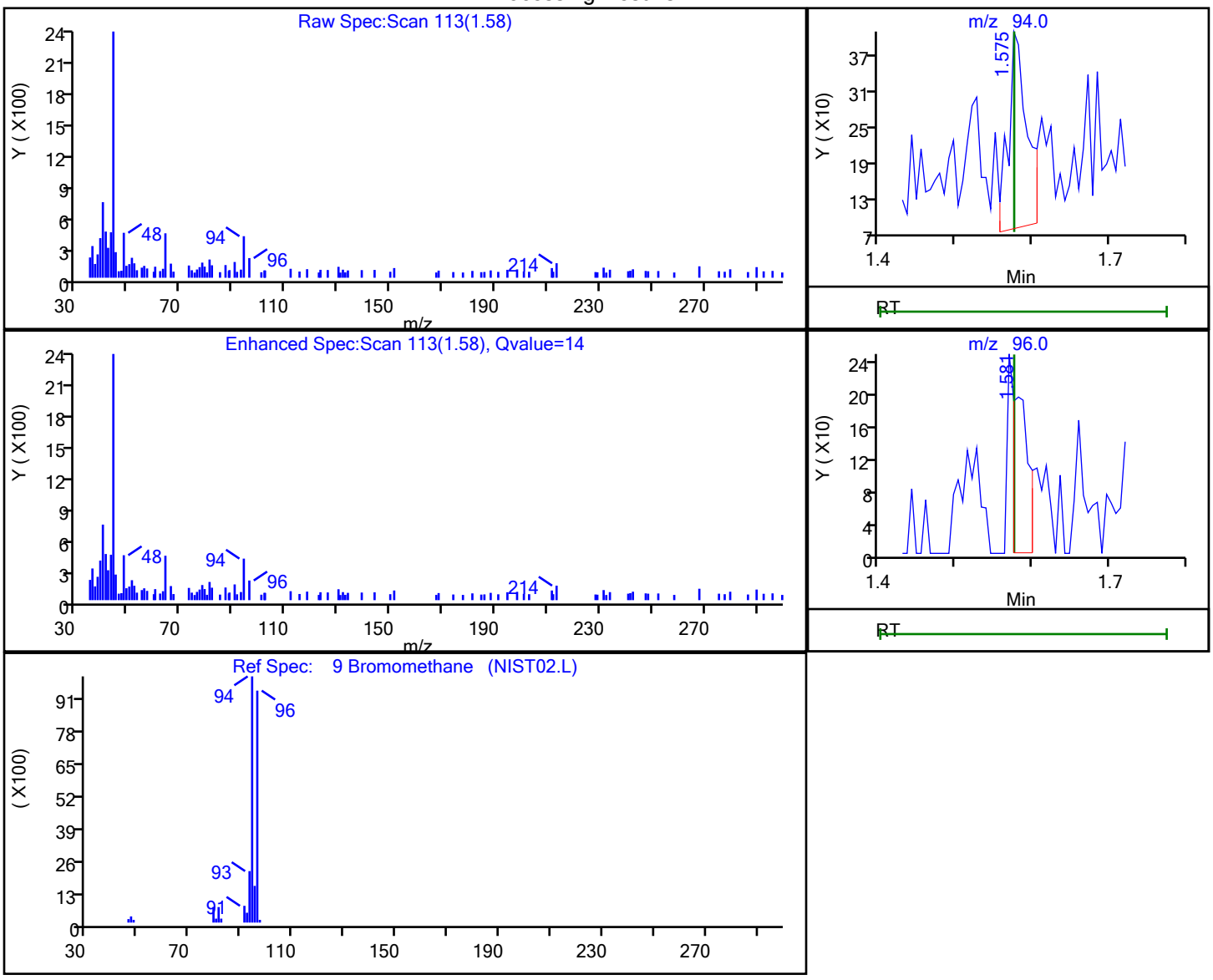
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.58	94.00	553	0.250000
1.58	96.00	291	

Reviewer: K0HS, 17-Jan-2023 12:19:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

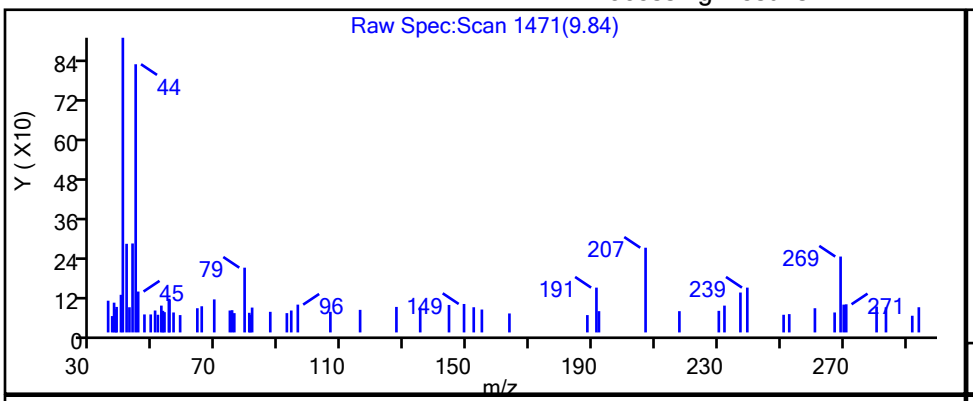
User Disabled Compound Report

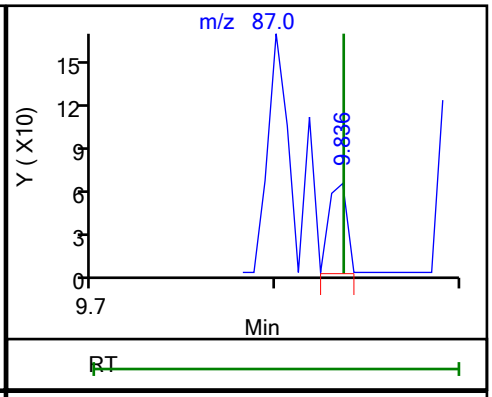
Eurofins Edison

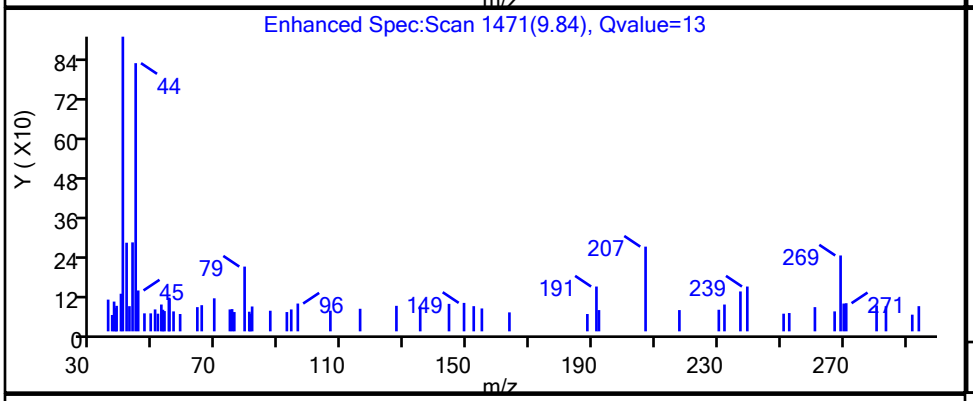
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

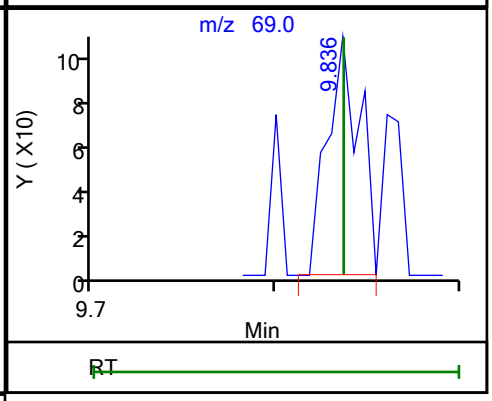
115 Butyl Methacrylate, CAS: 97-88-1

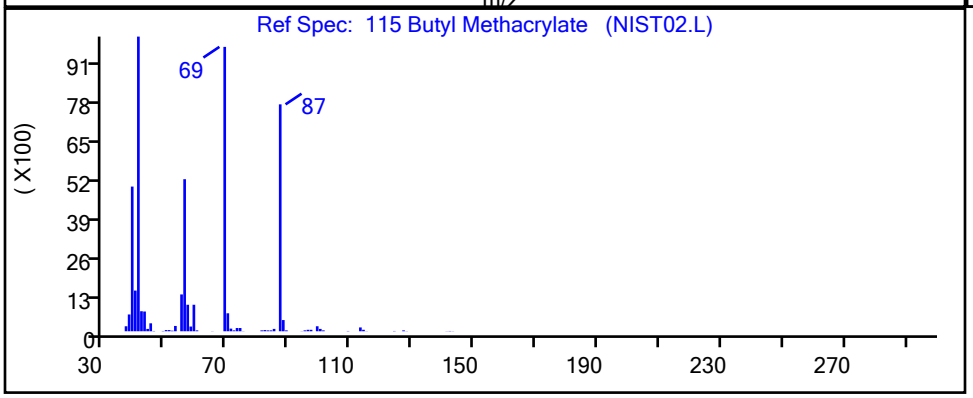
Processing Results











RT	Mass	Response	Amount
9.84	87.00	43	0.019530
9.84	69.00	125	

Reviewer: K0HS, 17-Jan-2023 12:20:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

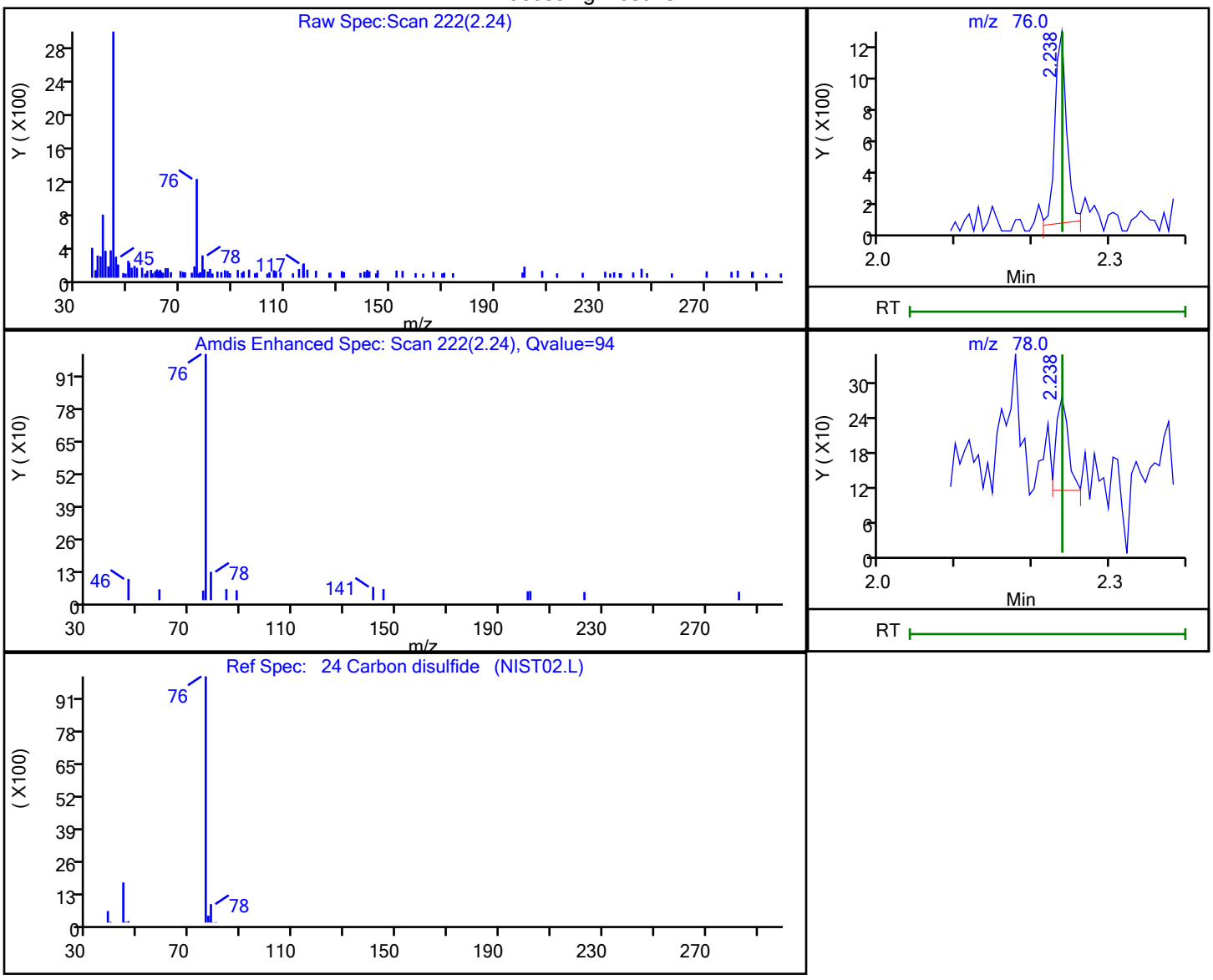
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
2.24	76.00	1228	0.134274
2.24	78.00	176	

Reviewer: K0HS, 17-Jan-2023 12:19:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

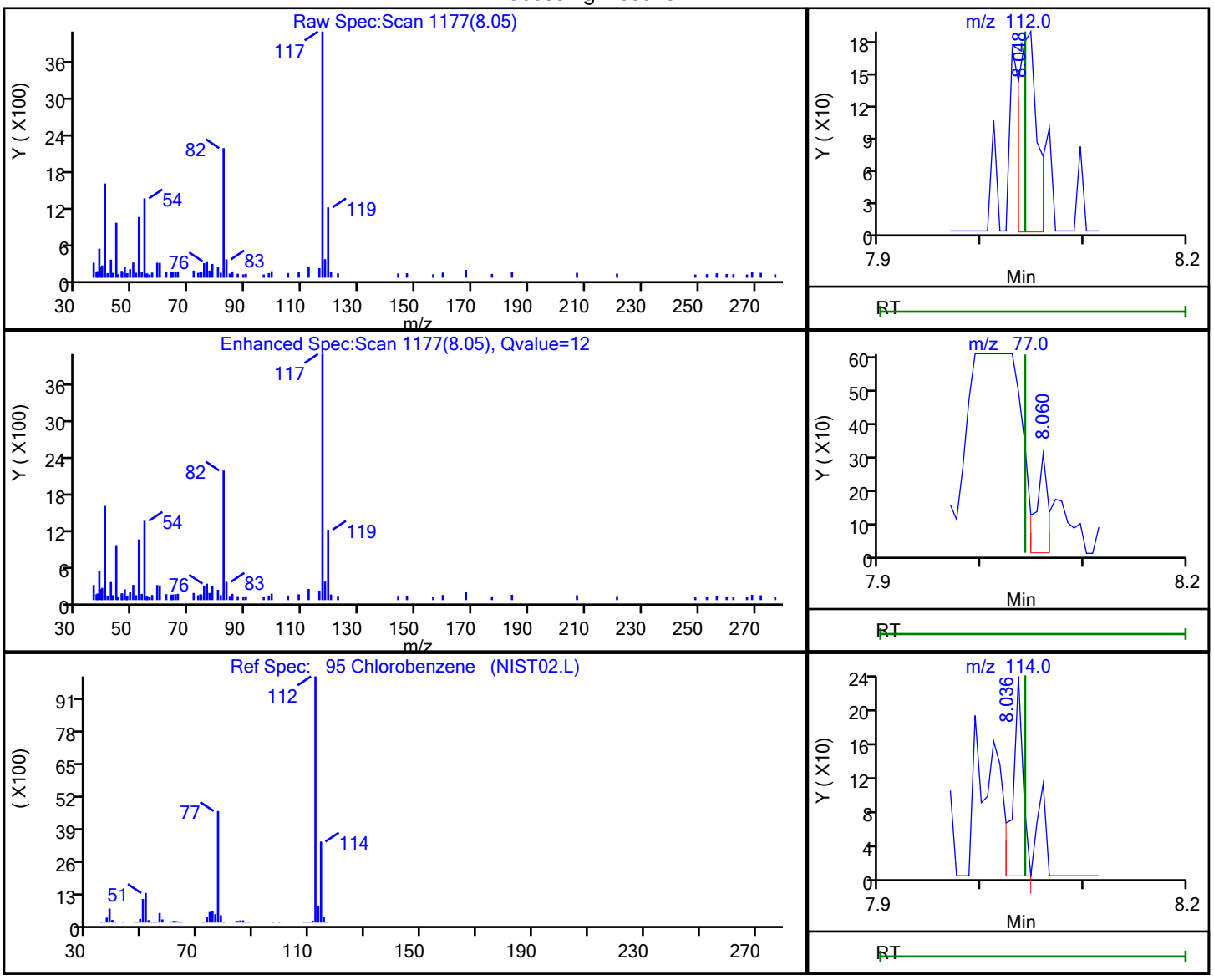
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

95 Chlorobenzene, CAS: 108-90-7

Processing Results



RT	Mass	Response	Amount
8.05	112.00	234	0.038158
8.06	77.00	246	
8.04	114.00	161	

Reviewer: K0HS, 17-Jan-2023 12:20:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

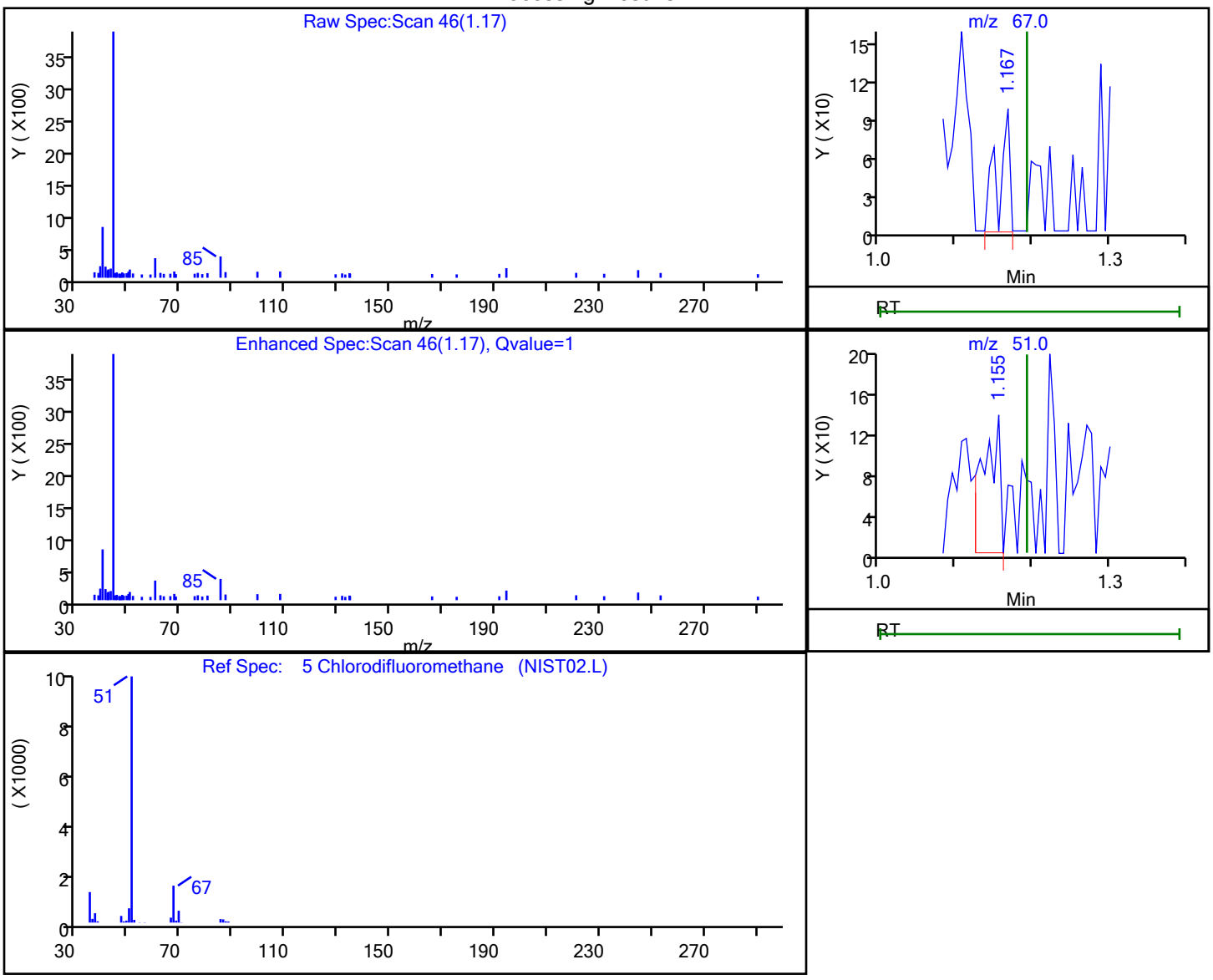
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.17	67.00	101	0.122326
1.16	51.00	206	

Reviewer: K0HS, 17-Jan-2023 12:21:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

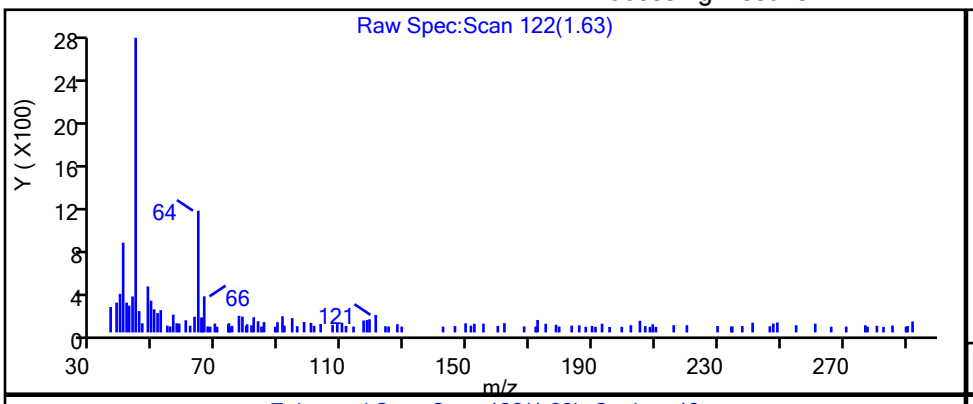
User Disabled Compound Report

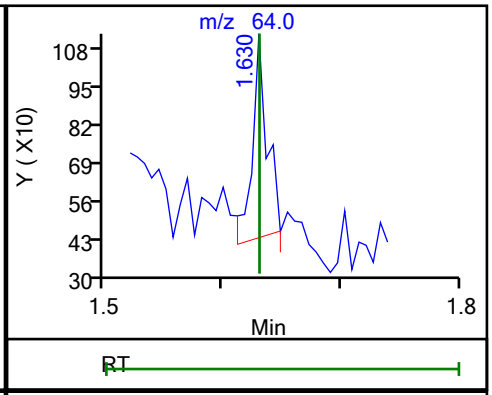
Eurofins Edison

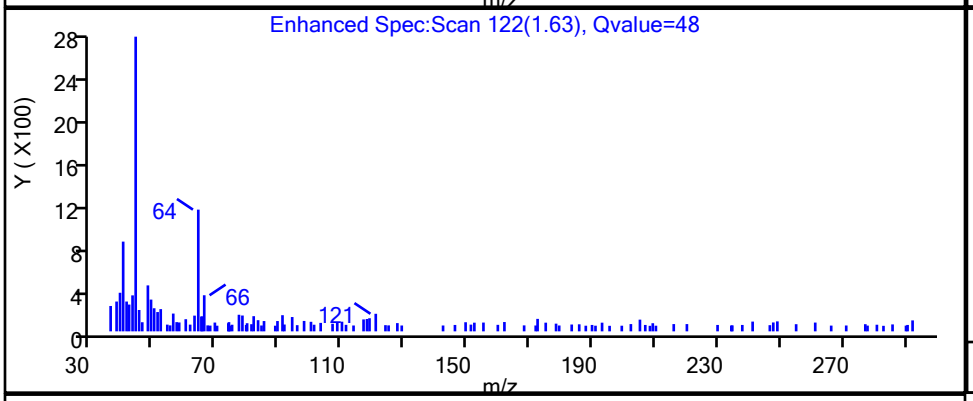
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

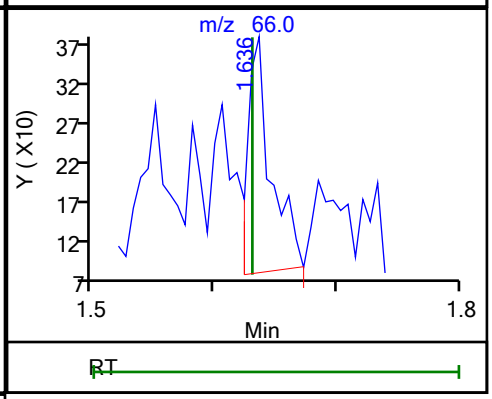
10 Chloroethane, CAS: 75-00-3

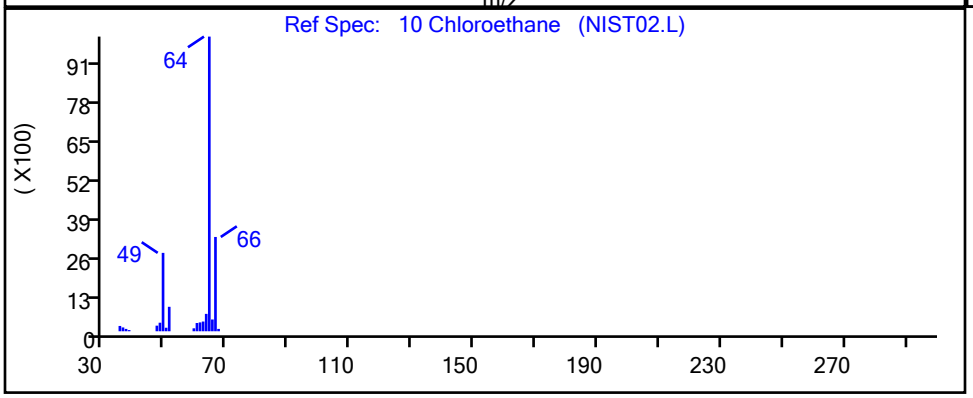
Processing Results











RT	Mass	Response	Amount
1.63	64.00	613	0.271643
1.64	66.00	395	

Reviewer: K0HS, 17-Jan-2023 12:19:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

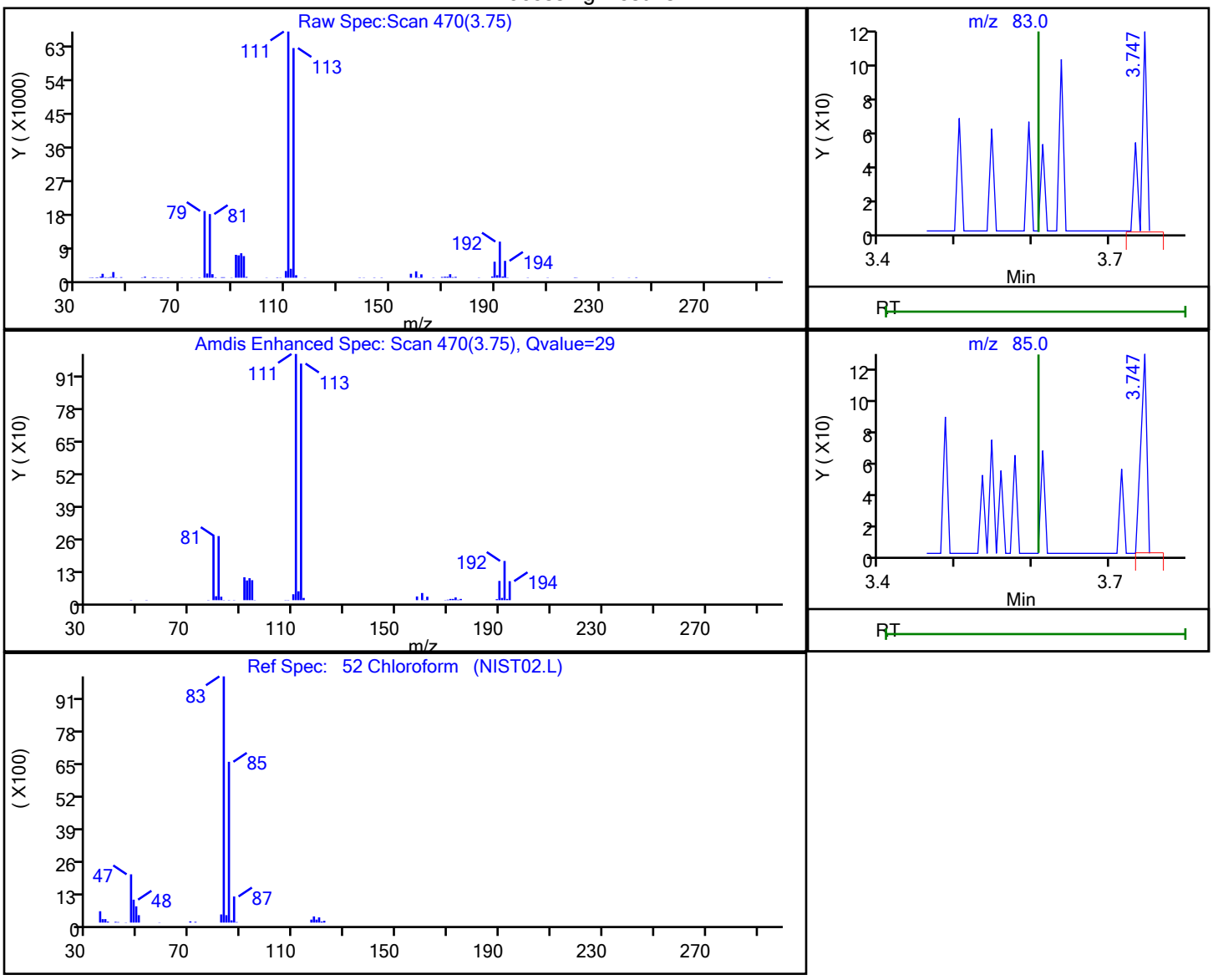
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

52 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
3.75	83.00	92	0.018096
3.75	85.00	100	

Reviewer: K0HS, 17-Jan-2023 12:19:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

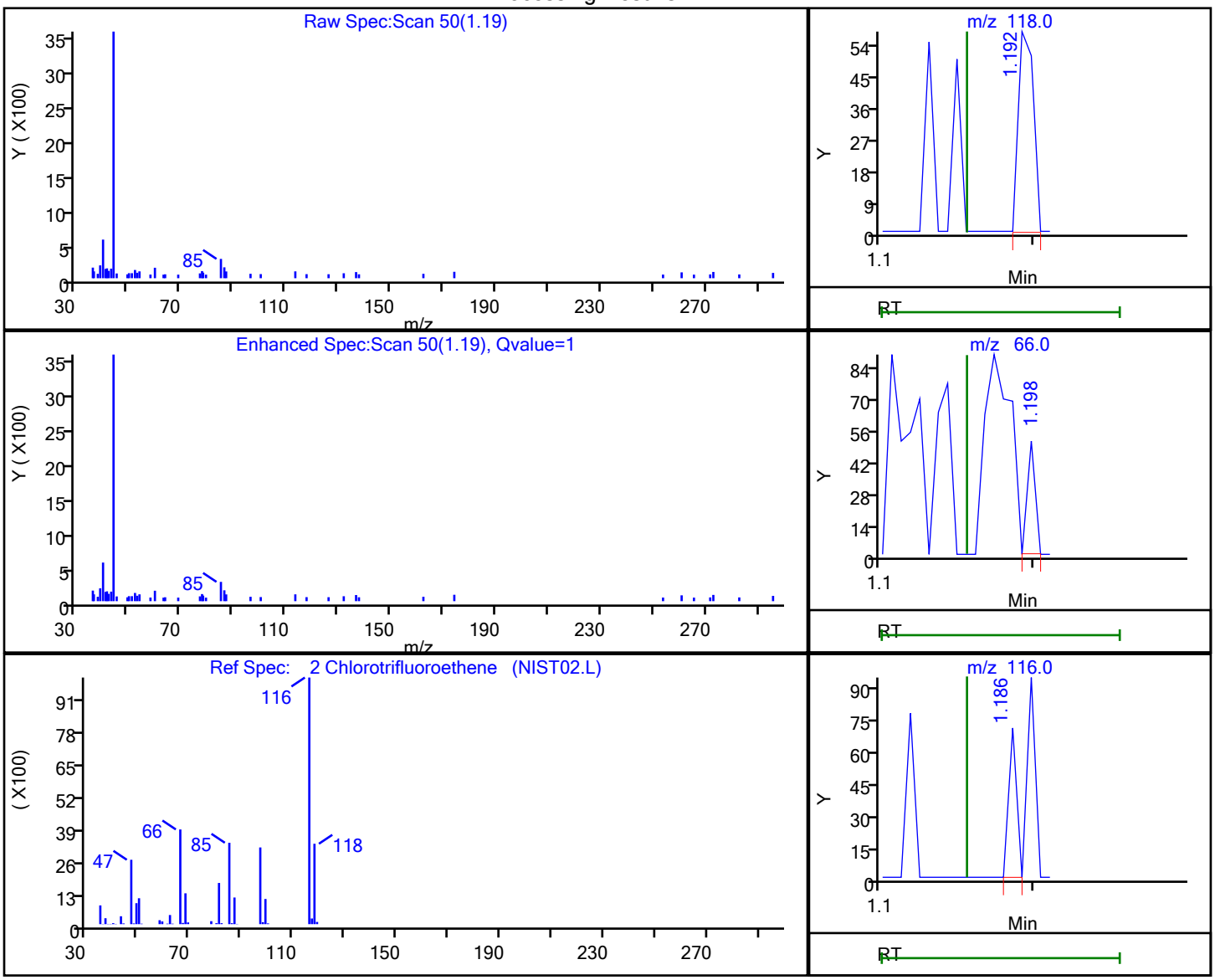
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.19	118.00	40	0.143752
1.20	66.00	19	
1.19	116.00	26	

Reviewer: K0HS, 17-Jan-2023 12:21:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

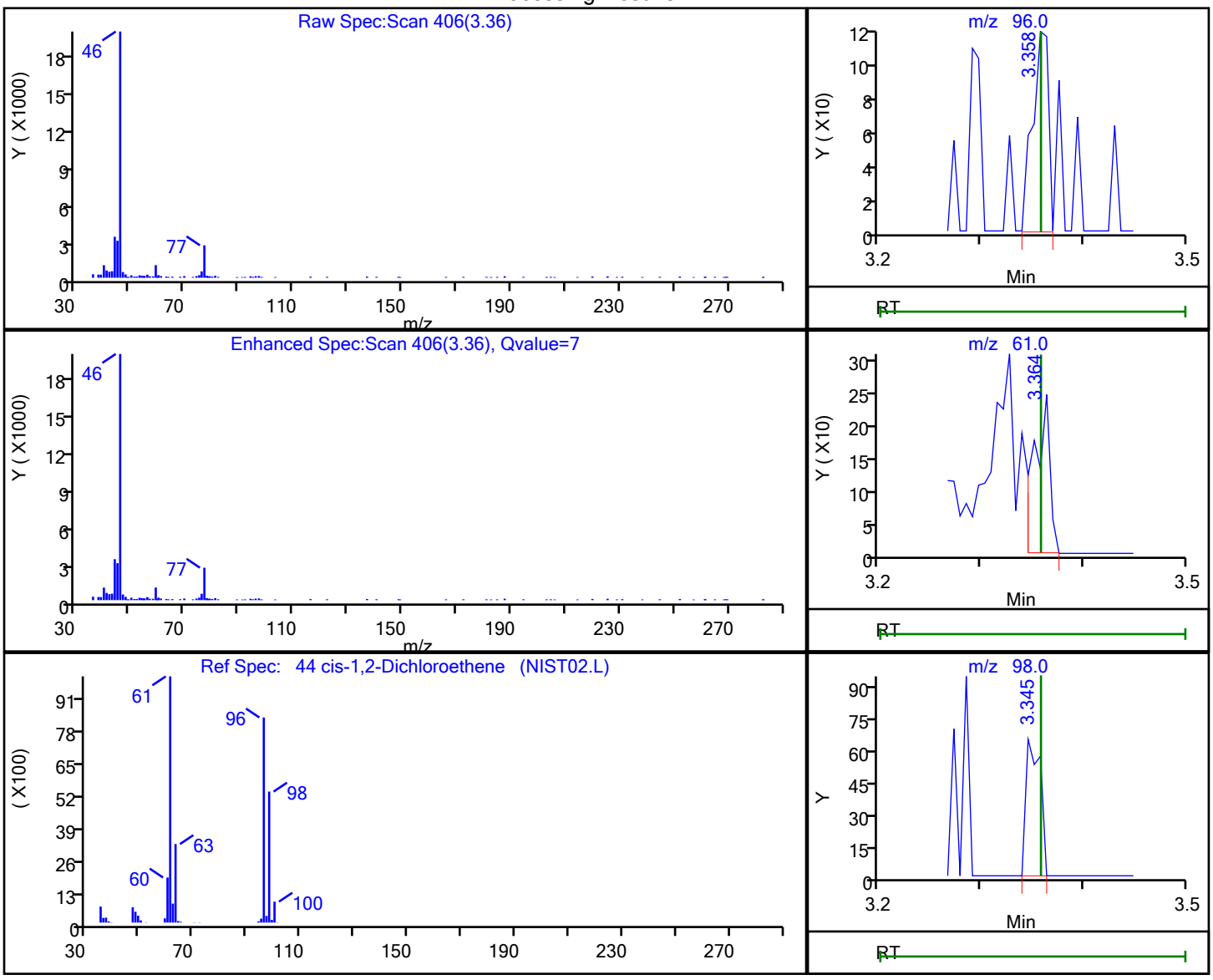
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D		
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

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

Processing Results



RT	Mass	Response	Amount
3.36	96.00	130	0.050078
3.36	61.00	261	
3.35	98.00	64	

Reviewer: K0HS, 17-Jan-2023 12:19:44

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

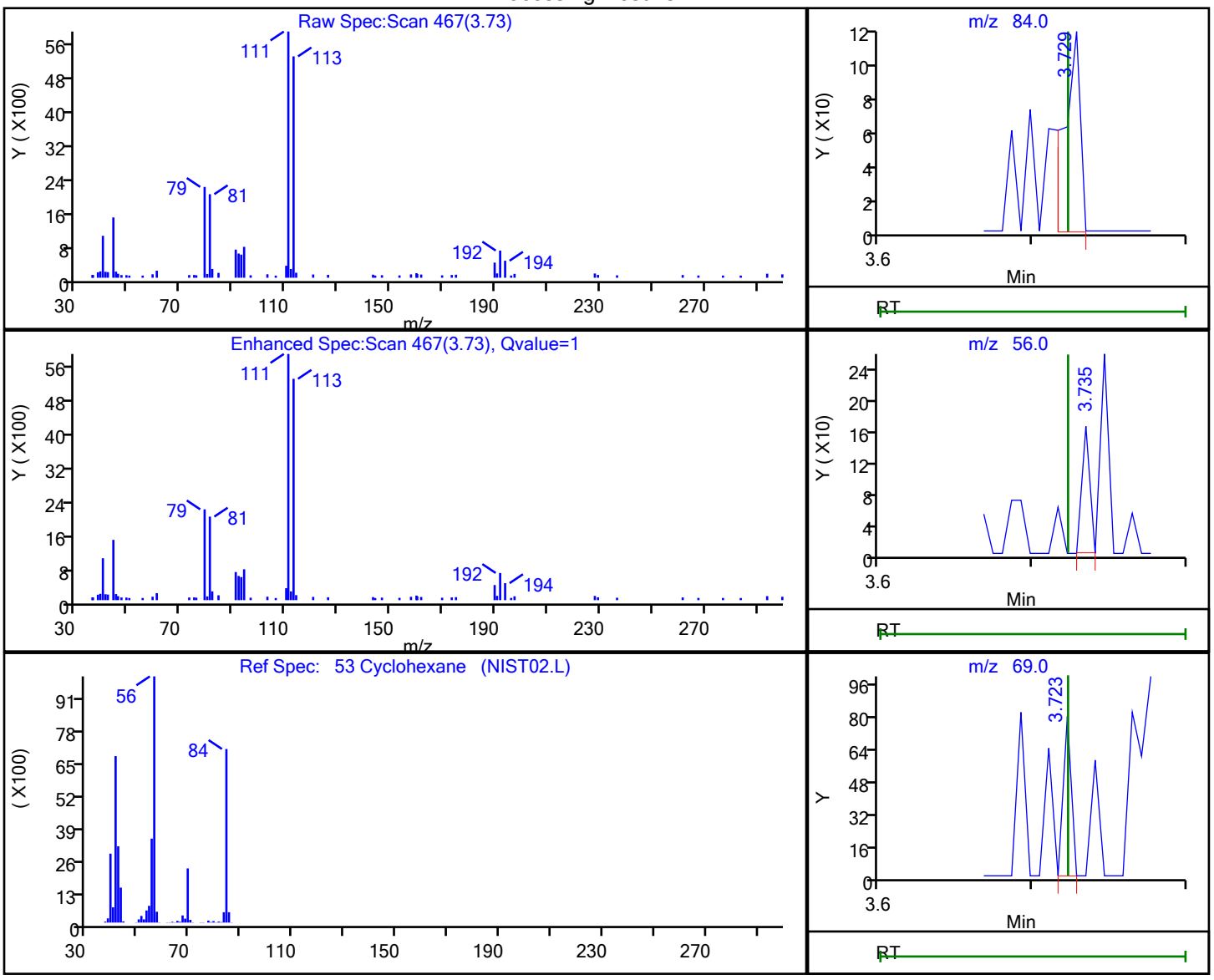
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

53 Cyclohexane, CAS: 110-82-7

Processing Results



RT	Mass	Response	Amount
3.73	84.00	85	0.026223
3.73	56.00	60	
3.72	69.00	29	

Reviewer: K0HS, 17-Jan-2023 12:19:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

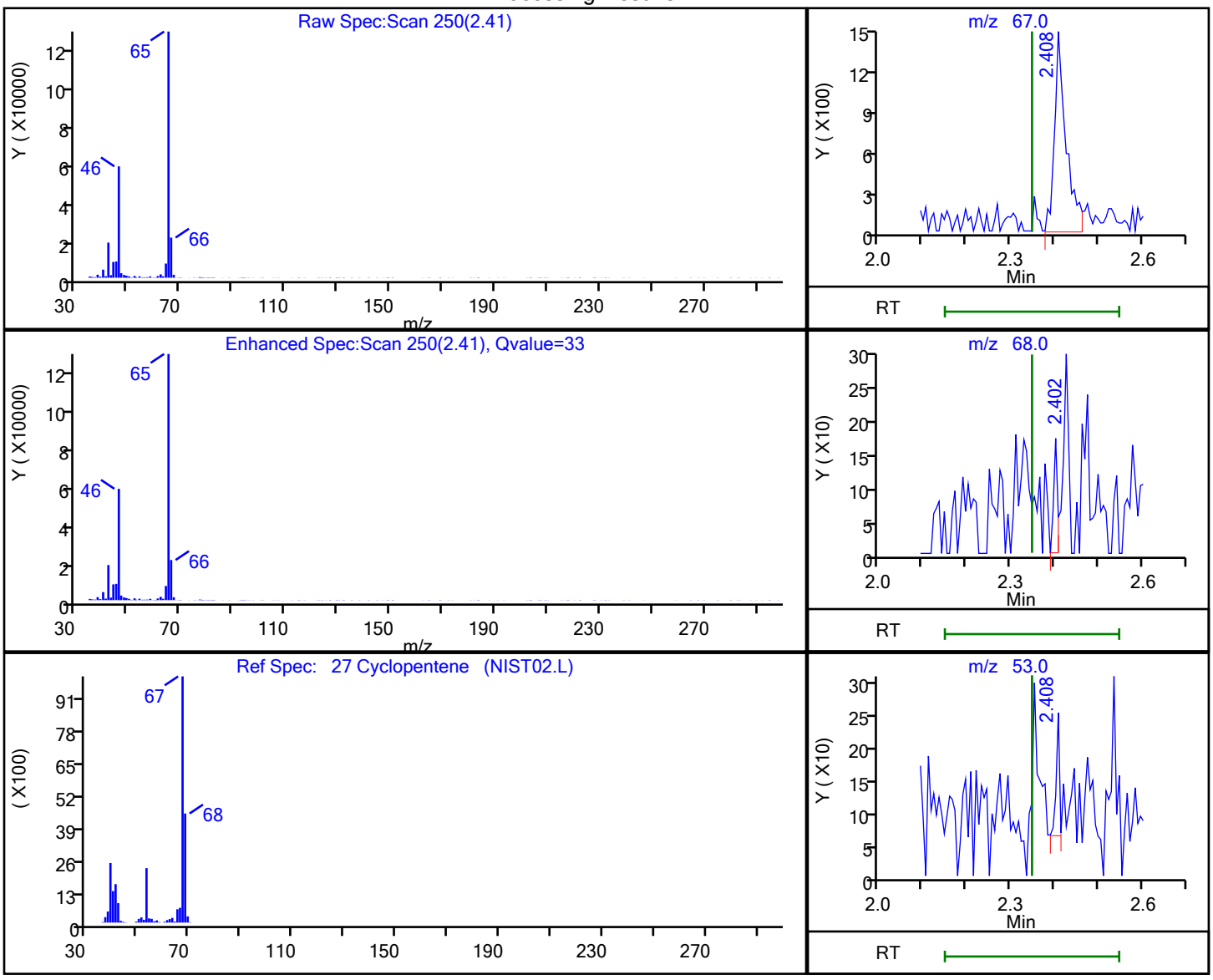
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
2.41	67.00	2635	0.445060
2.40	68.00	106	
2.41	53.00	96	

Reviewer: K0HS, 17-Jan-2023 12:21:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

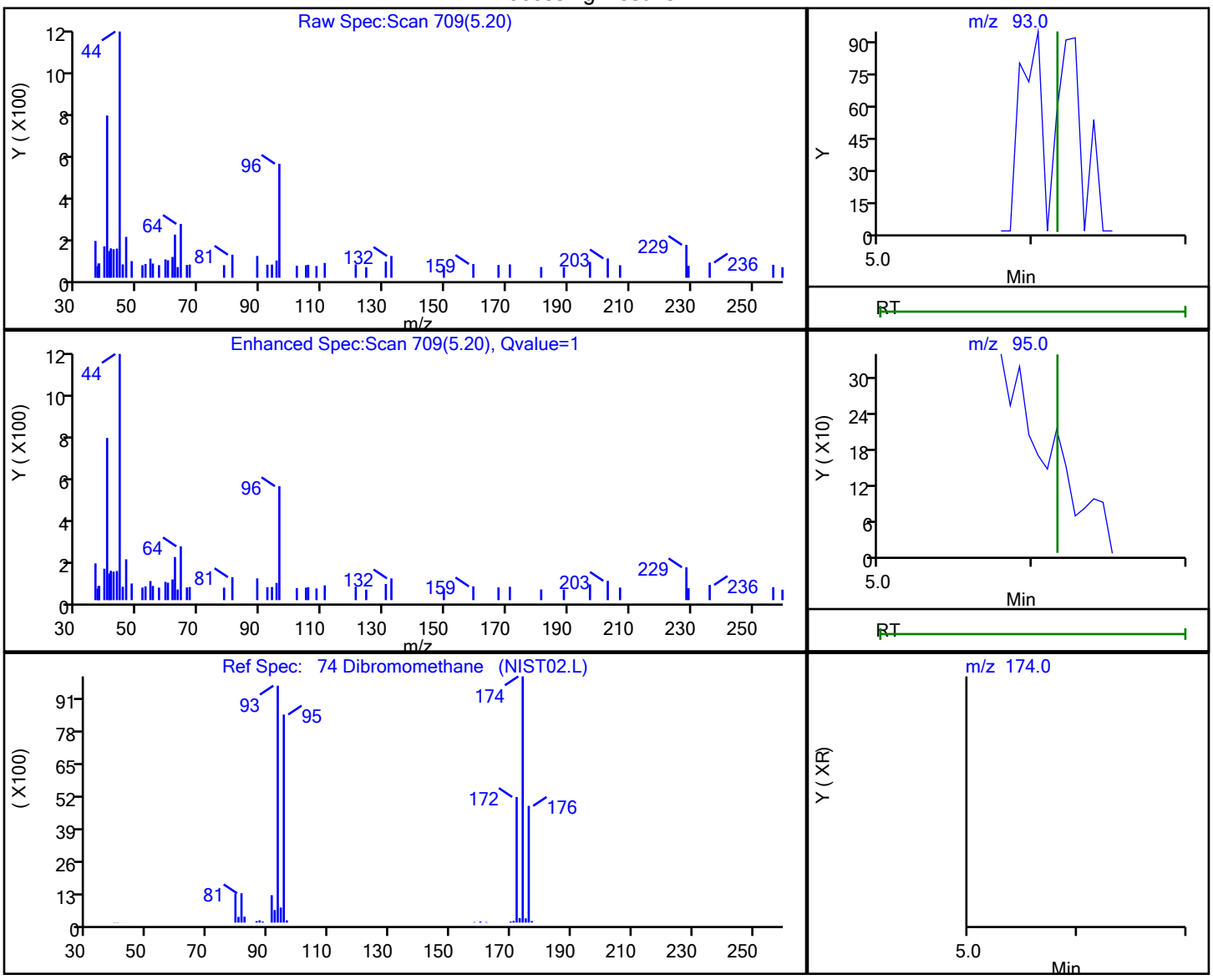
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

74 Dibromomethane, CAS: 74-95-3

Processing Results



RT	Mass	Response	Amount
5.20	93.00	23	0.012869
5.19	95.00	87	
5.21	174.00	21	

Reviewer: K0HS, 17-Jan-2023 12:20:11

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

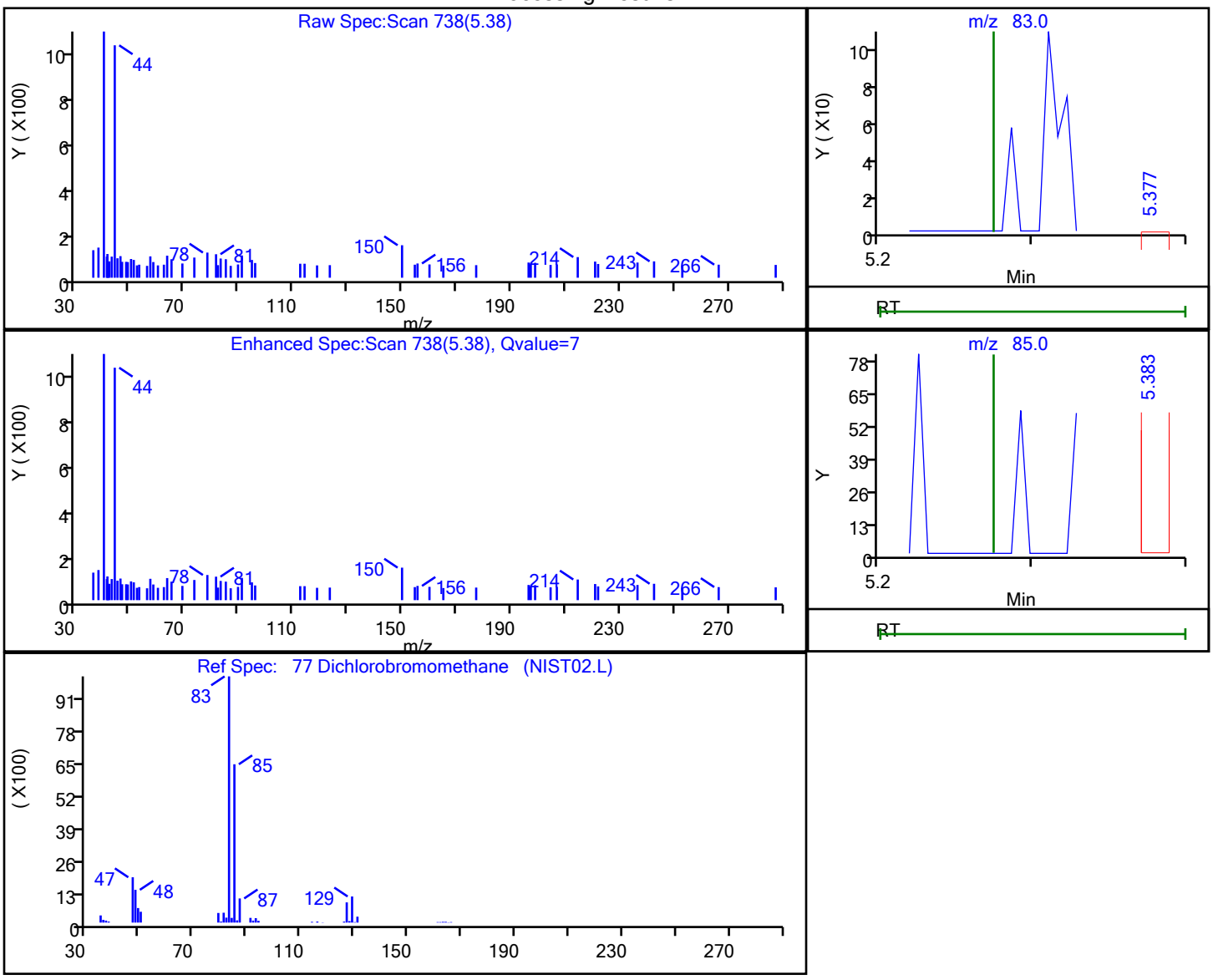
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D		
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8
Lims ID:	STD7		
Client ID:			
Operator ID:		ALS Bottle#:	2 Worklist Smp#: 3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

77 Dichlorobromomethane, CAS: 75-27-4

Processing Results



RT	Mass	Response	Amount
5.38	83.00	30	0.007747
5.38	85.00	60	

Reviewer: K0HS, 17-Jan-2023 12:20:26

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

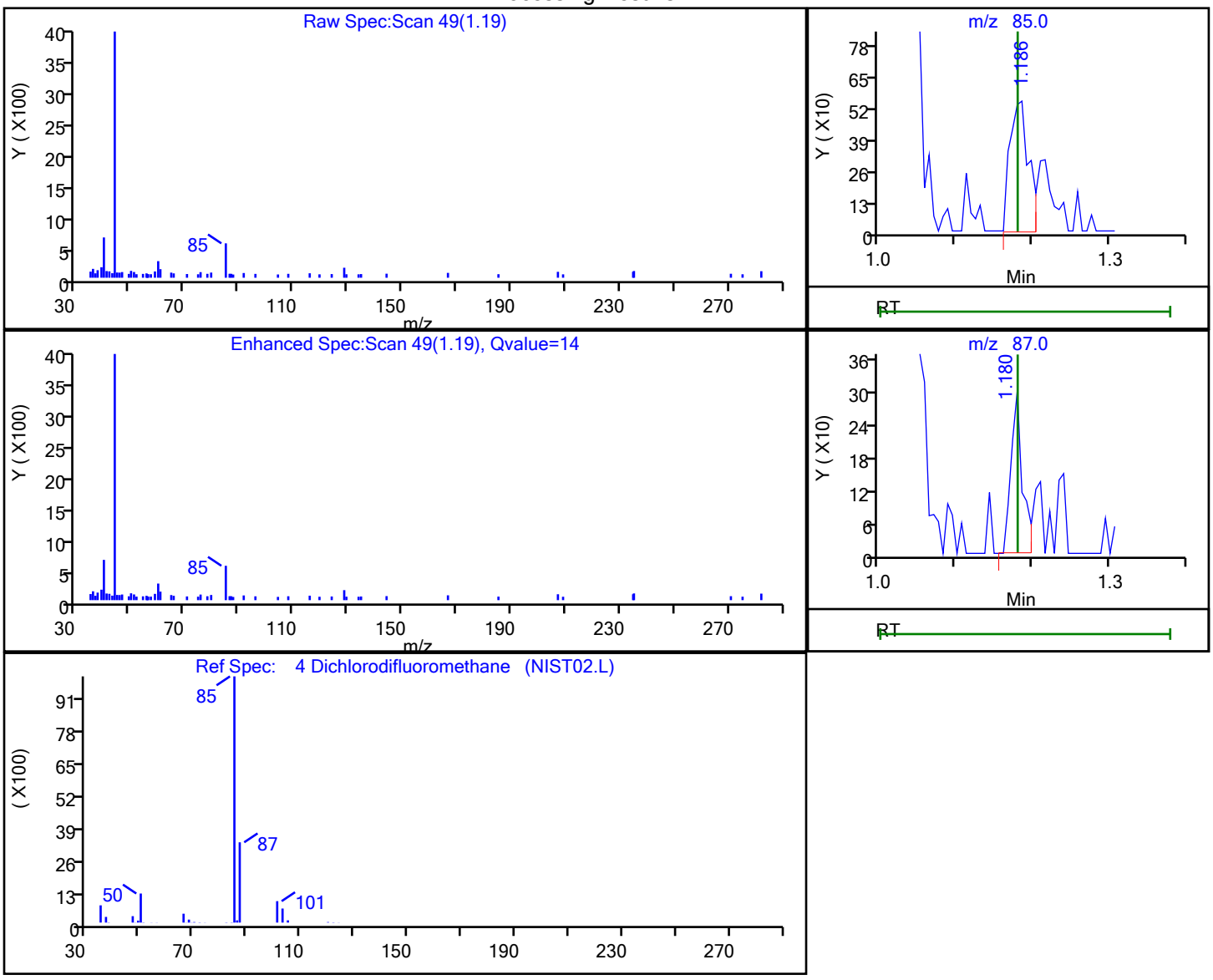
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.19	85.00	941	0.245036
1.18	87.00	316	

Reviewer: K0HS, 17-Jan-2023 12:19:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

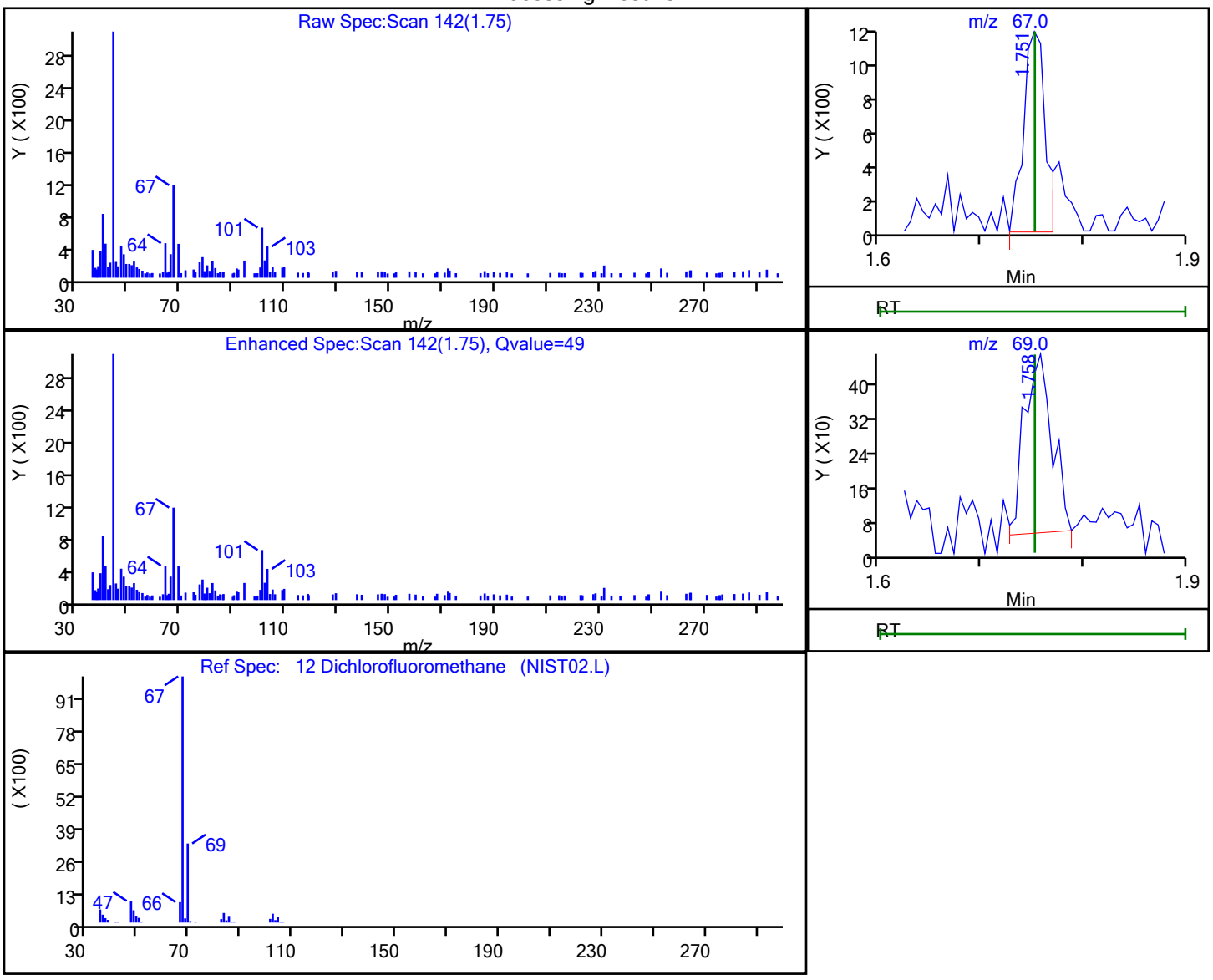
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

12 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
1.75	67.00	1677	0.260248
1.76	69.00	775	

Reviewer: K0HS, 17-Jan-2023 12:21:38

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

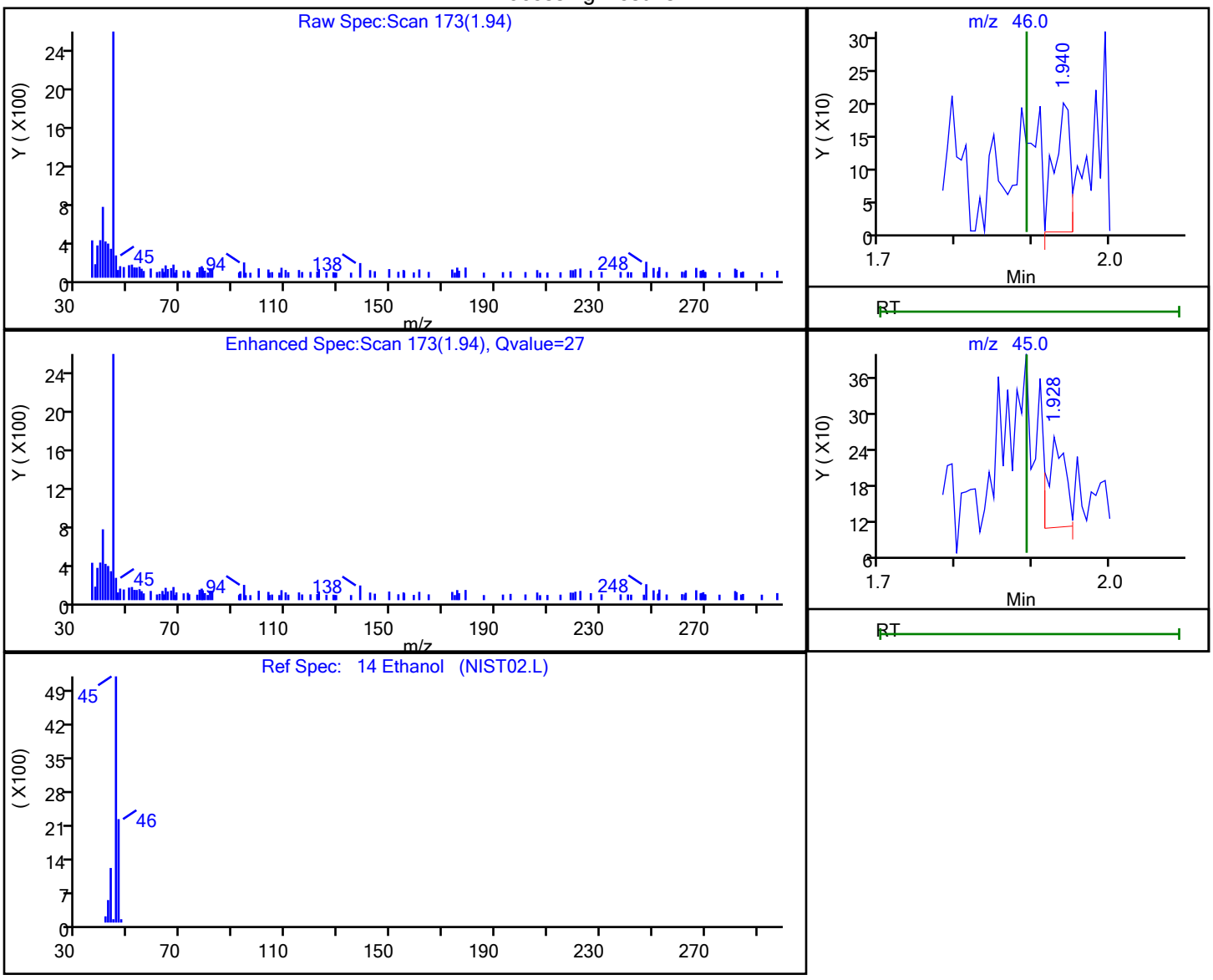
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
1.94	46.00	279	76.434940
1.93	45.00	235	

Reviewer: K0HS, 17-Jan-2023 12:19:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

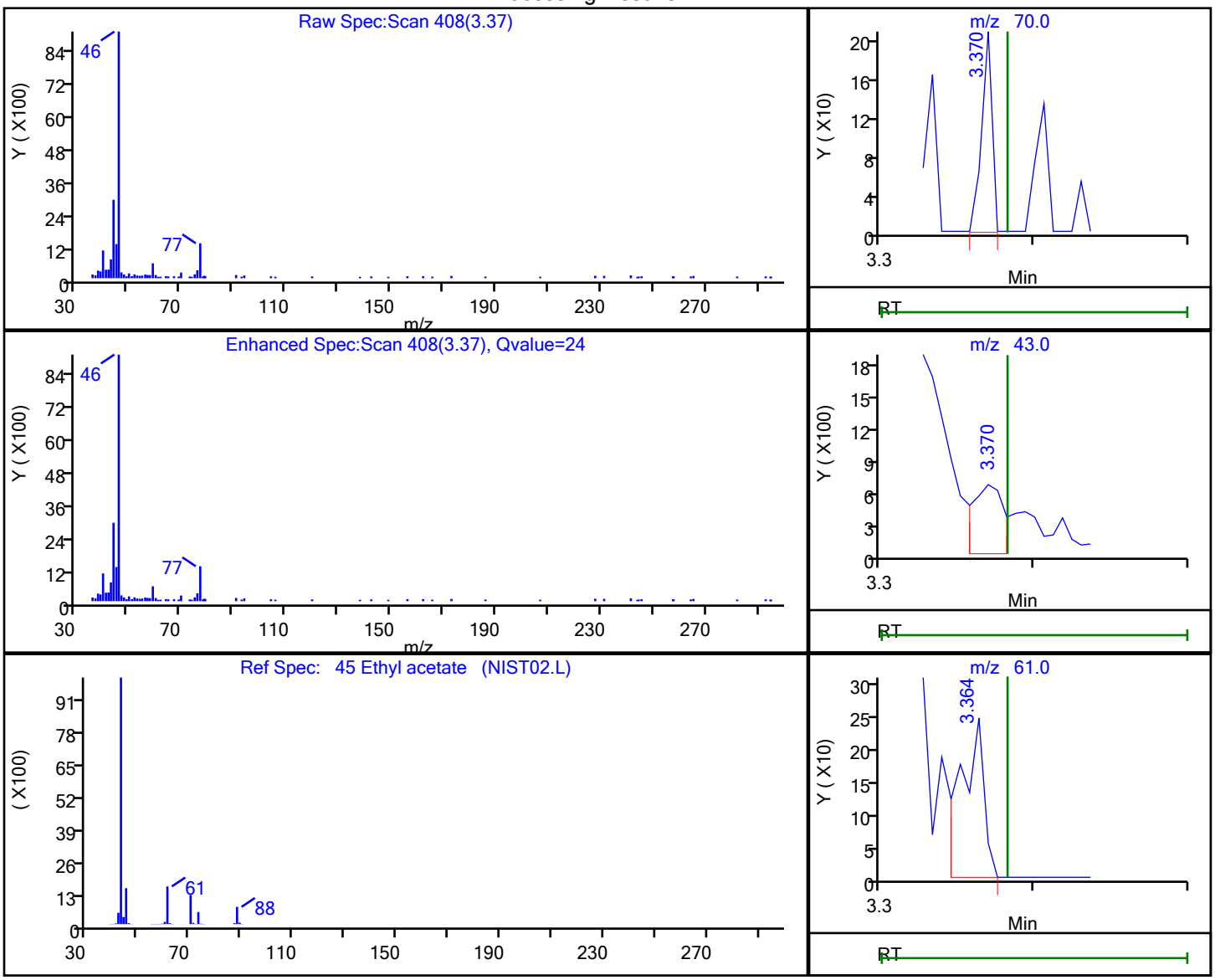
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

45 Ethyl acetate, CAS: 141-78-6

Processing Results



RT	Mass	Response	Amount
3.37	70.00	99	0.336344
3.37	43.00	894	
3.36	61.00	261	

Reviewer: K0HS, 17-Jan-2023 12:19:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

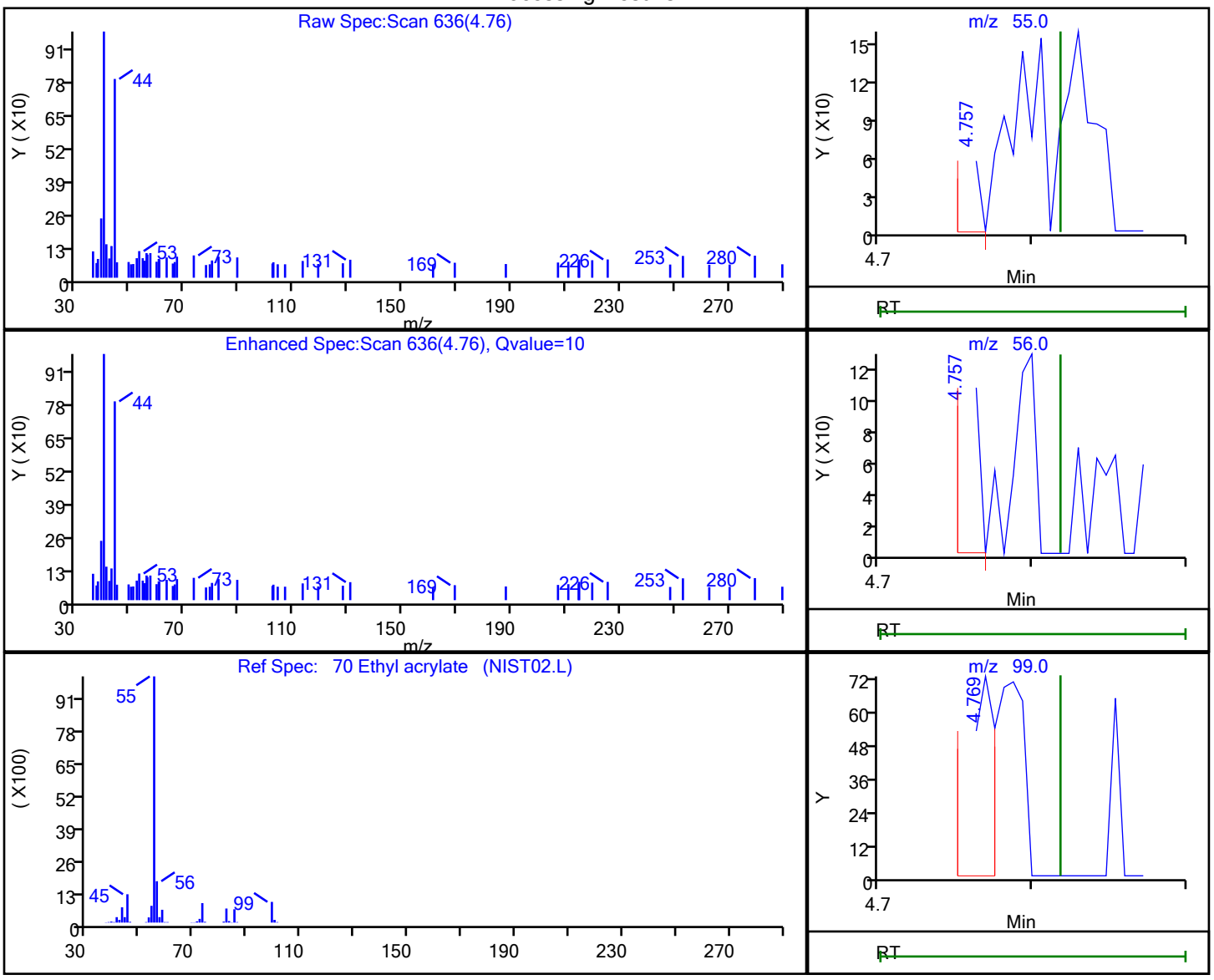
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Processing Results



RT	Mass	Response	Amount
4.76	55.00	44	0.006484
4.76	56.00	108	
4.77	99.00	66	

Reviewer: K0HS, 17-Jan-2023 12:20:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

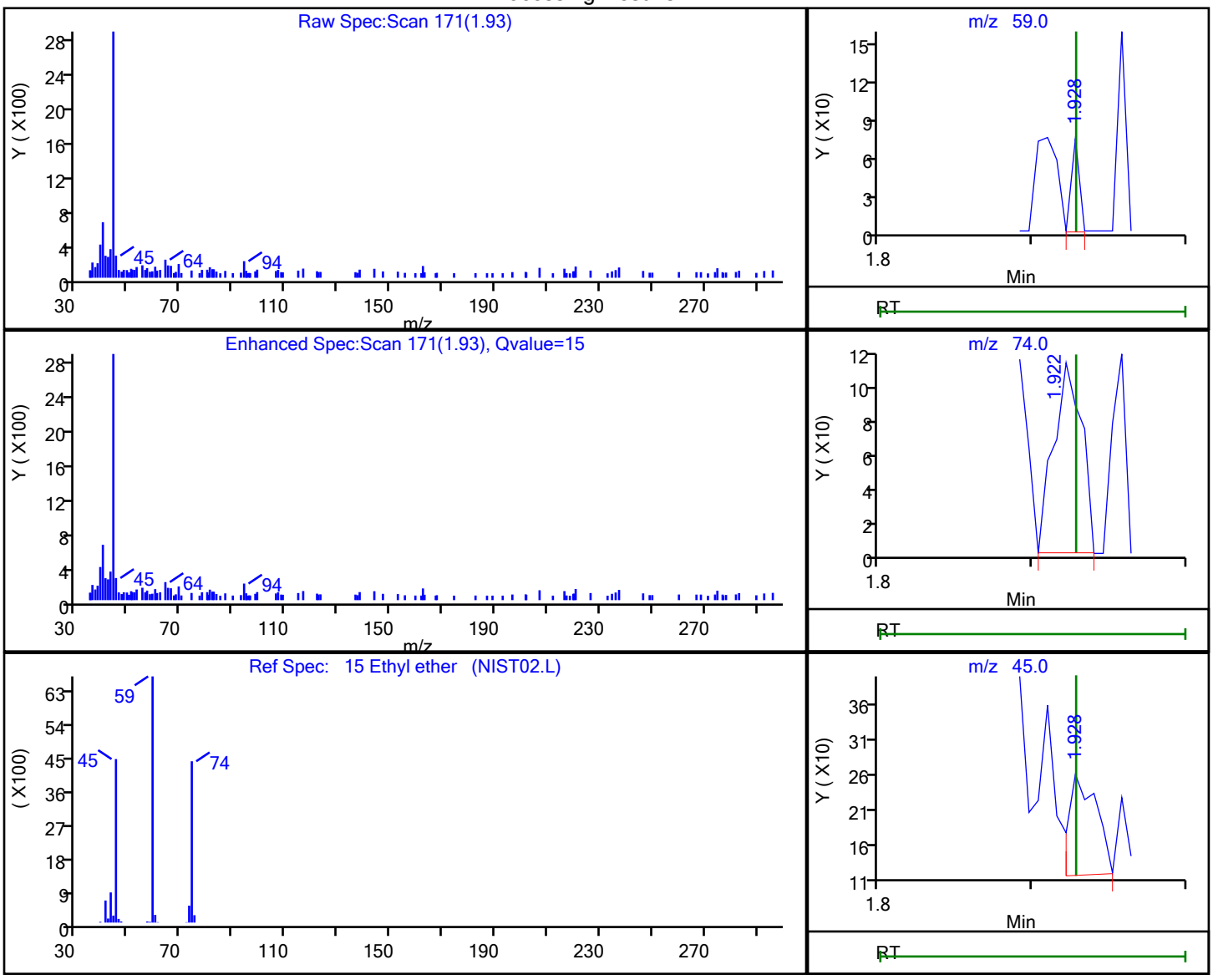
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
1.93	59.00	27	0.011184
1.92	74.00	137	
1.93	45.00	179	

Reviewer: K0HS, 17-Jan-2023 12:19:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

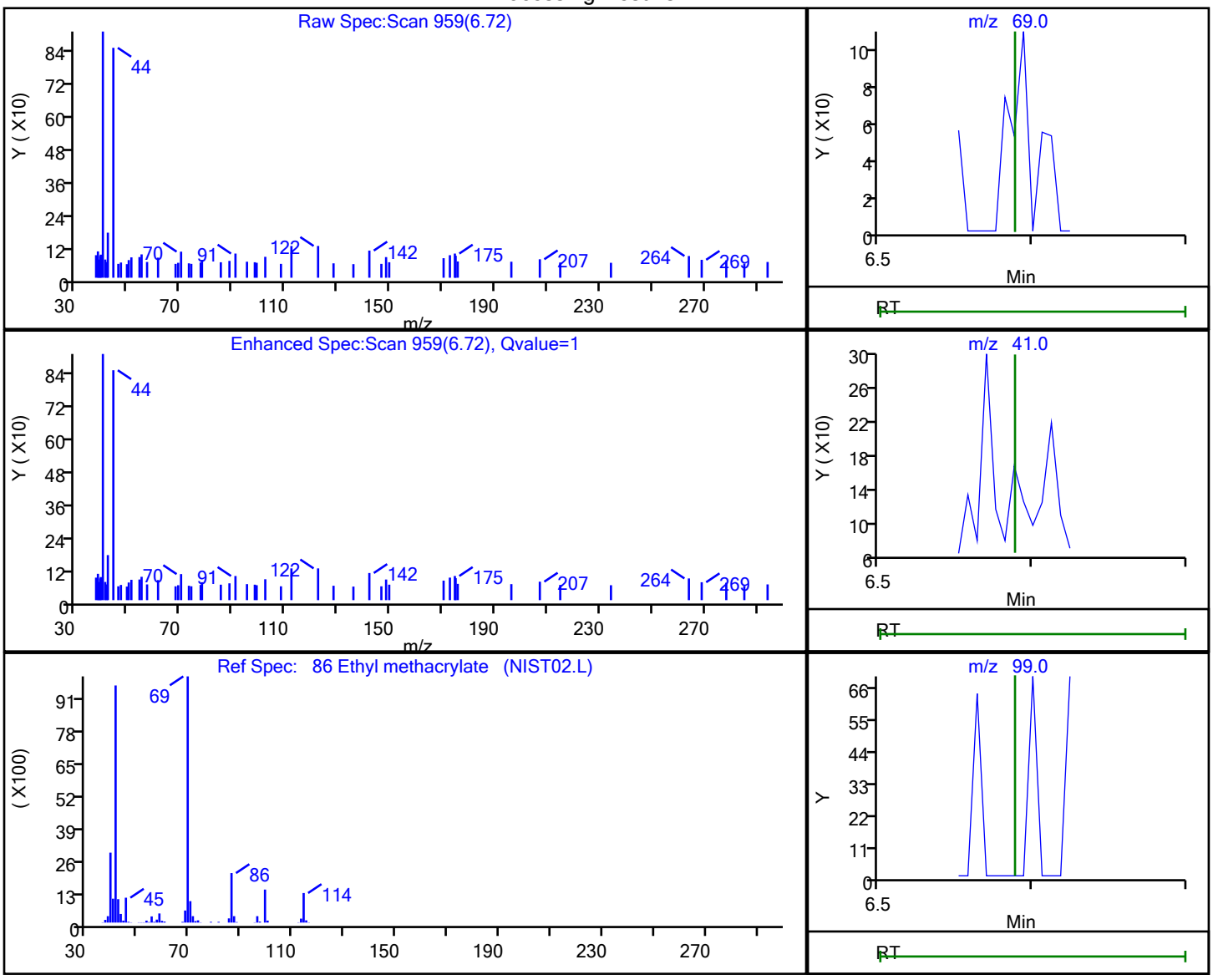
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
6.72	69.00	40	0.015031
6.73	41.00	218	
6.73	99.00	88	

Reviewer: K0HS, 17-Jan-2023 12:22:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

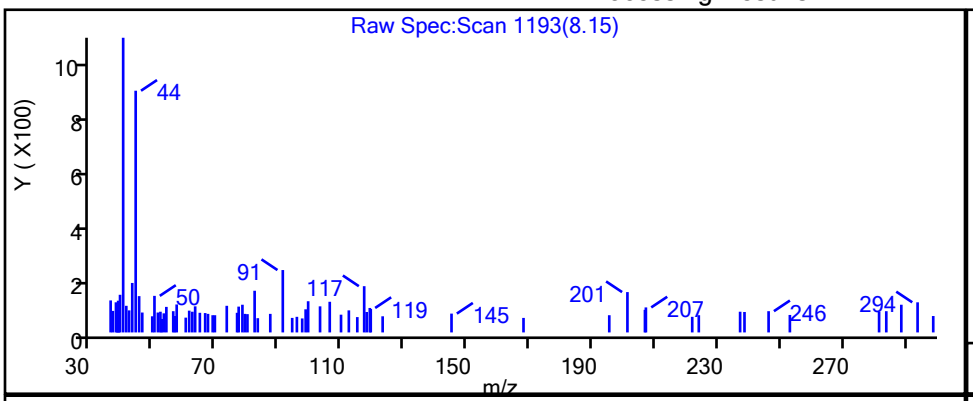
User Disabled Compound Report

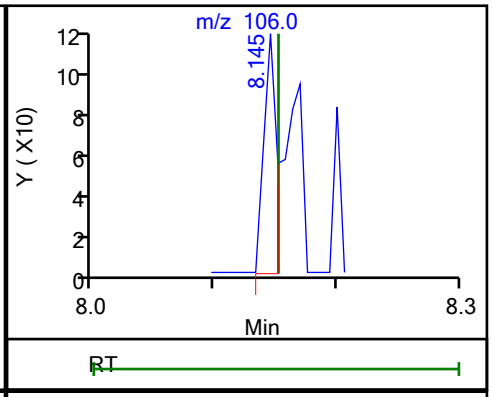
Eurofins Edison

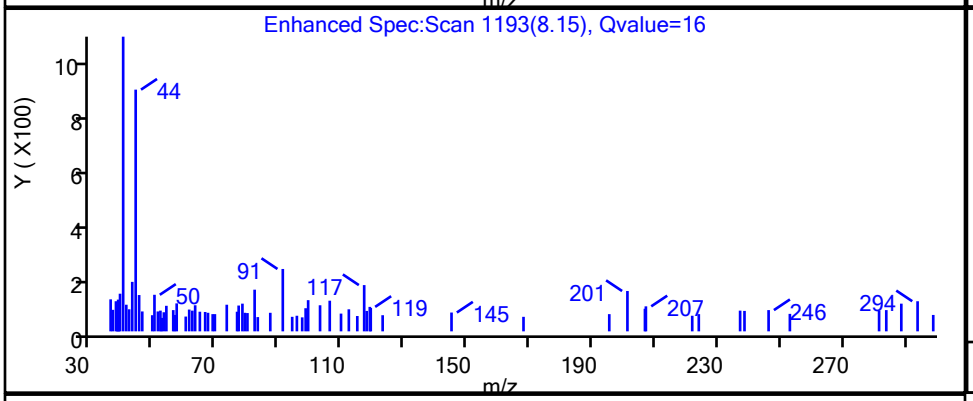
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

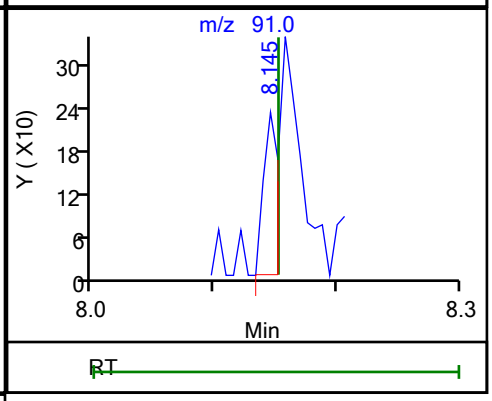
96 Ethylbenzene, CAS: 100-41-4

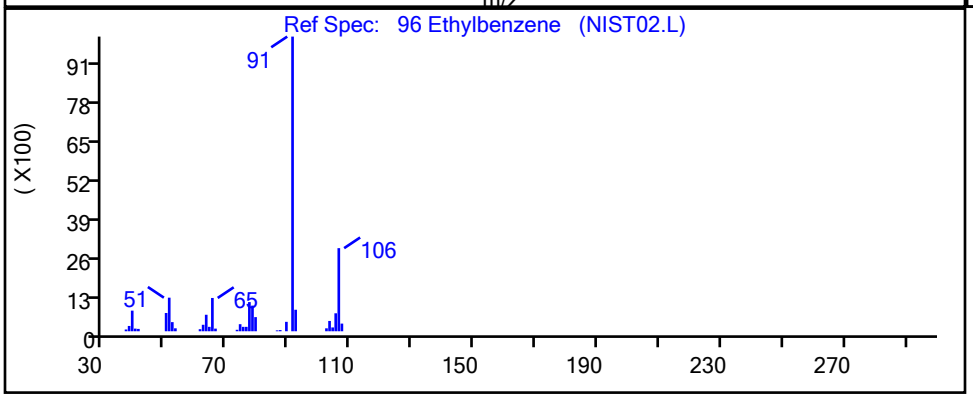
Processing Results











RT	Mass	Response	Amount
8.15	106.00	82	0.026359
8.15	91.00	194	

Reviewer: K0HS, 17-Jan-2023 12:20:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

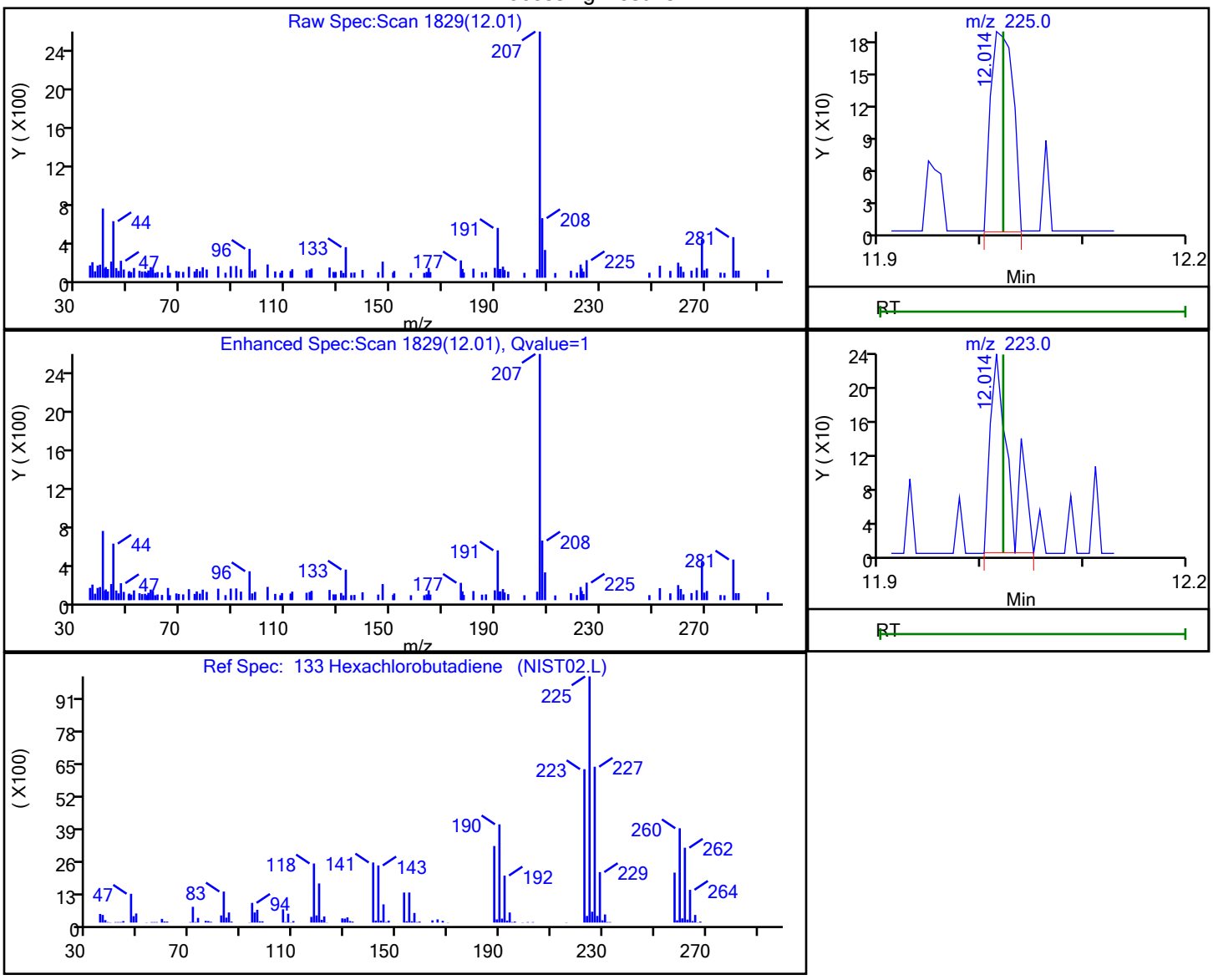
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

133 Hexachlorobutadiene, CAS: 87-68-3

Processing Results



RT	Mass	Response	Amount
12.01	225.00	283	0.290603
12.01	223.00	314	

Reviewer: K0HS, 17-Jan-2023 12:21:17

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

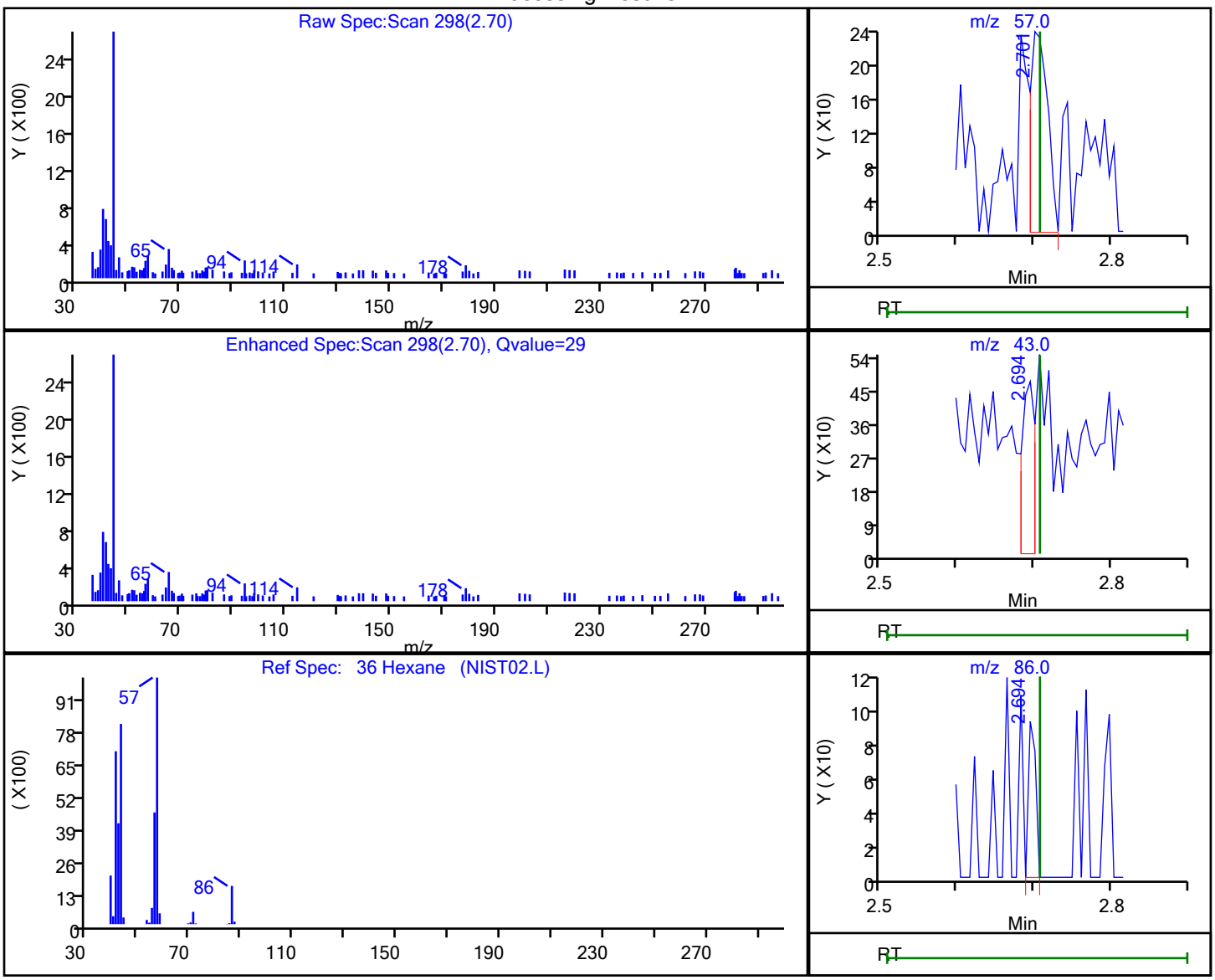
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

36 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
2.70	57.00	371	0.107612
2.69	43.00	556	
2.69	86.00	59	
2.70	56.00	378	

Reviewer: K0HS, 17-Jan-2023 12:19:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

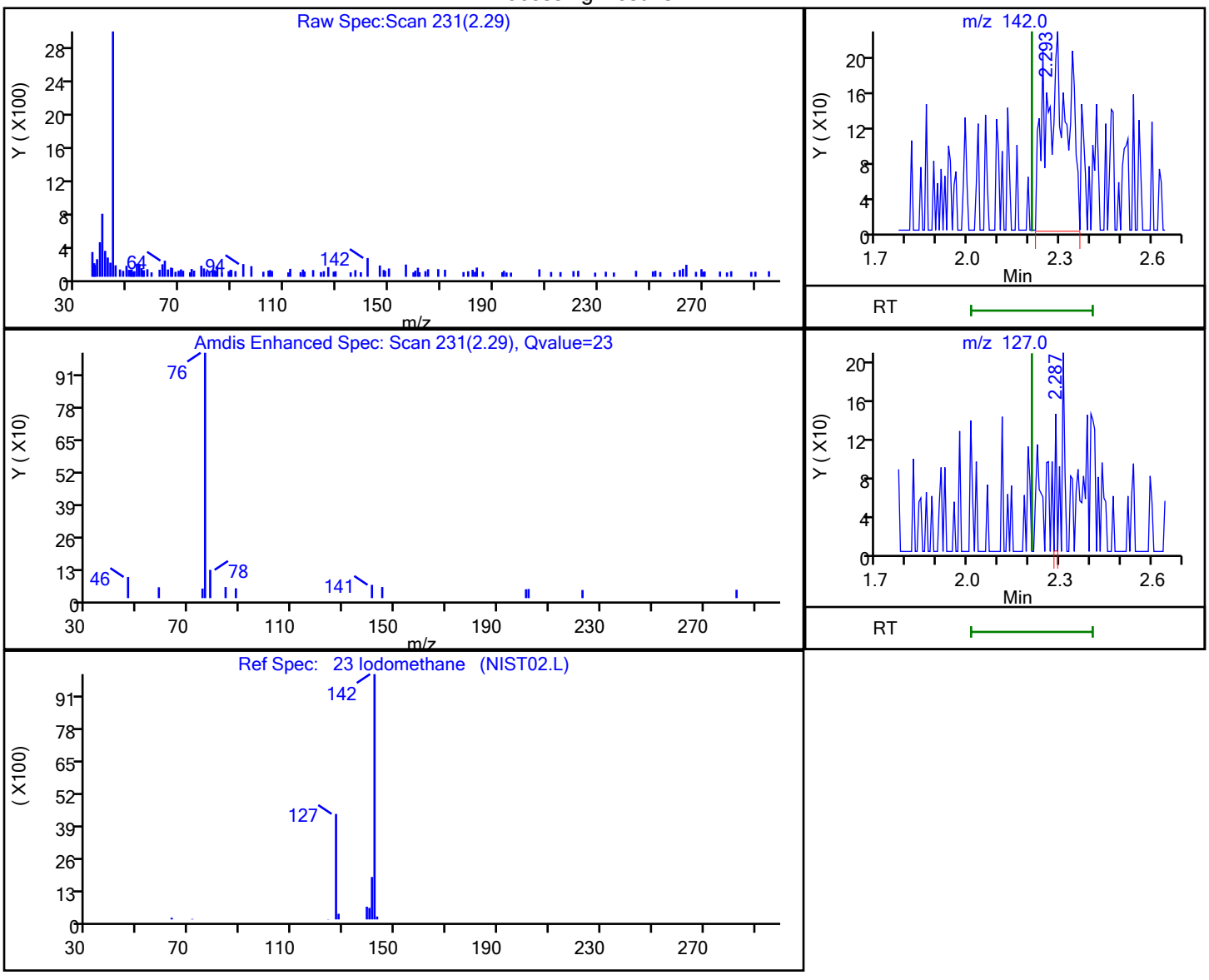
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

23 Iodomethane, CAS: 74-88-4

Processing Results



RT	Mass	Response	Amount
2.29	142.00	1088	1.215874
2.29	127.00	53	

Reviewer: K0HS, 17-Jan-2023 12:19:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

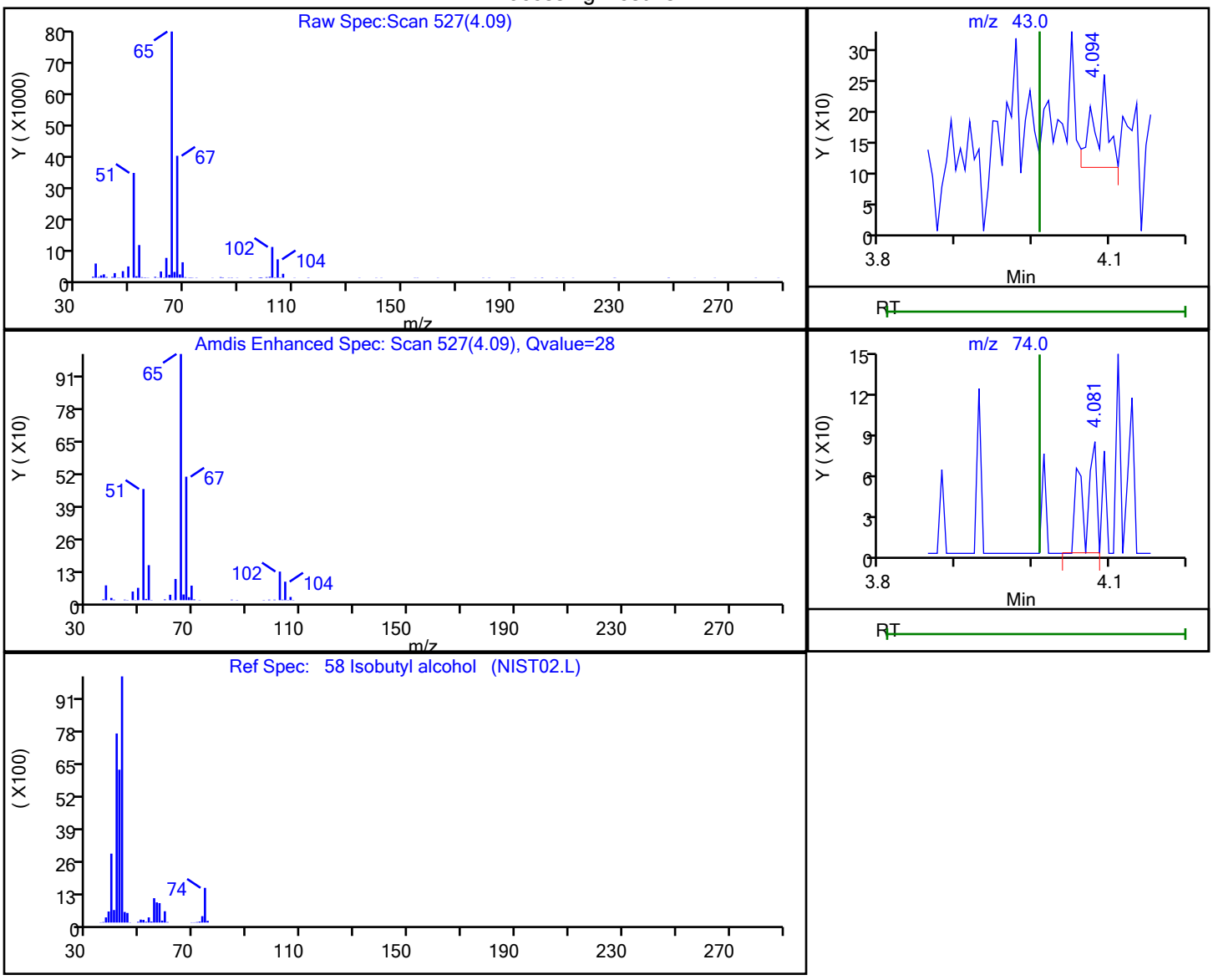
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Processing Results



RT	Mass	Response	Amount
4.09	43.00	174	0.416427
4.08	74.00	98	

Reviewer: K0HS, 17-Jan-2023 12:21:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

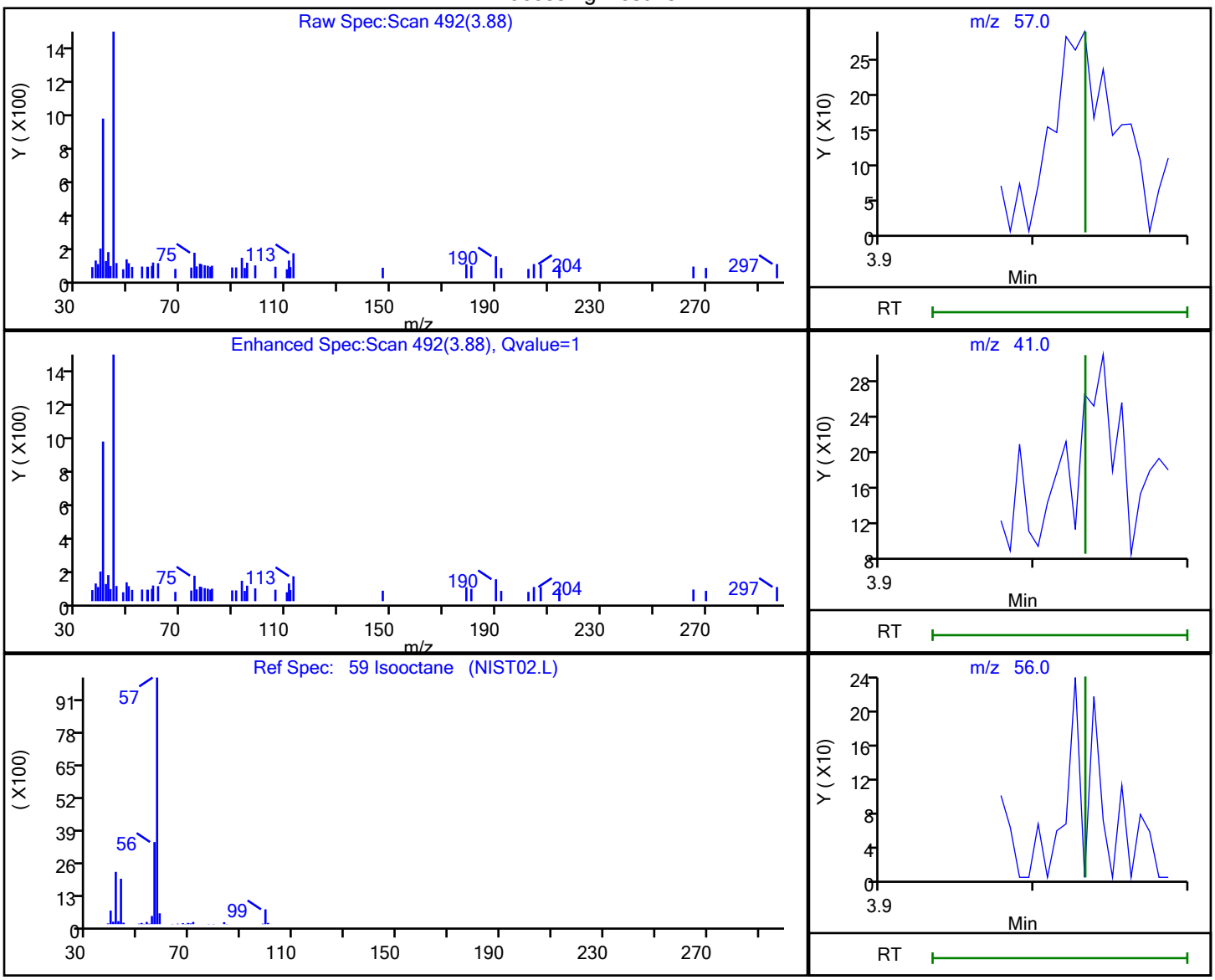
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Processing Results



RT	Mass	Response	Amount
3.88	57.00	88	3.119460
3.87	41.00	47	
3.87	56.00	74	

Reviewer: K0HS, 17-Jan-2023 12:21:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

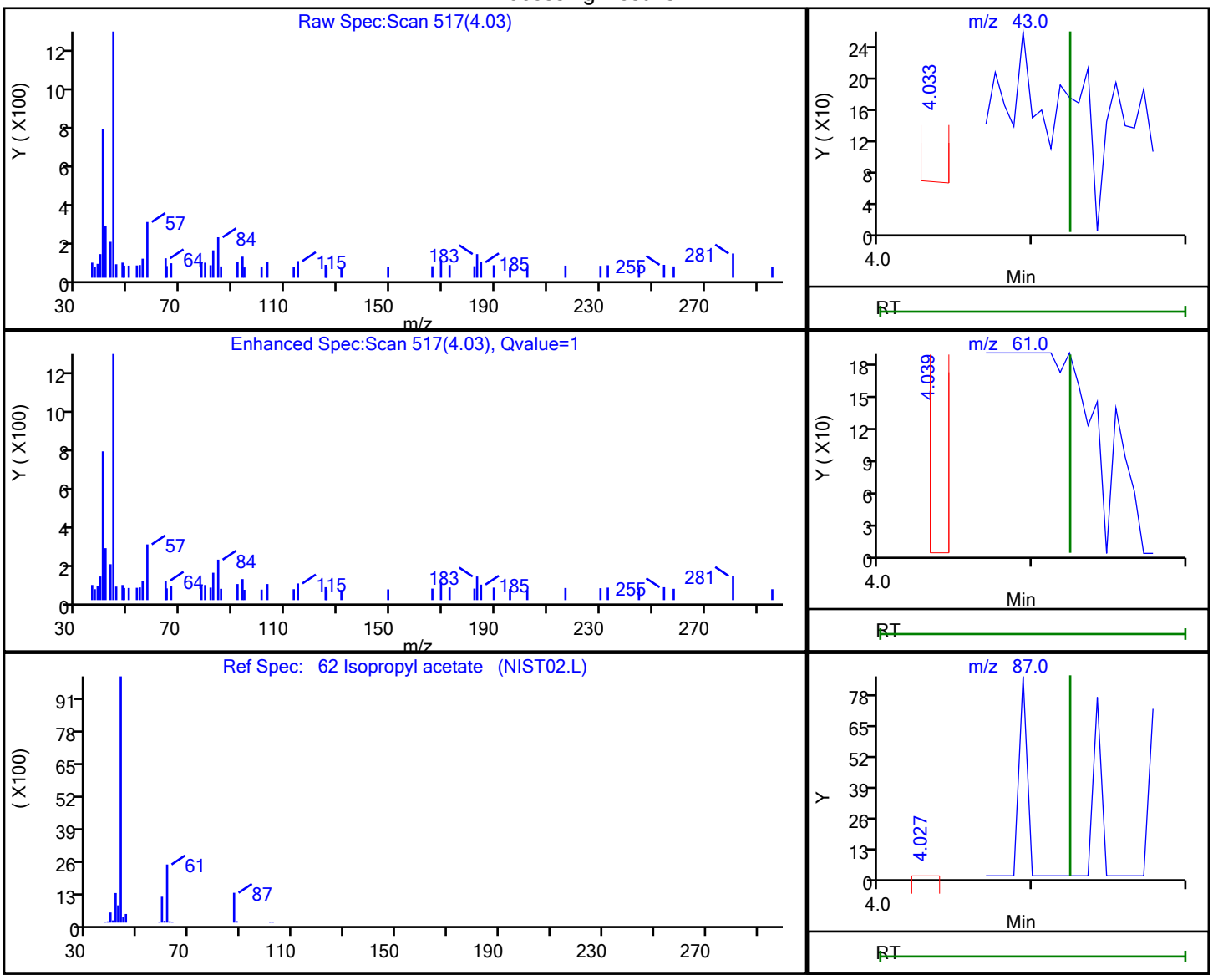
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
4.03	43.00	143	0.014022
4.04	61.00	34	
4.03	87.00	40	

Reviewer: K0HS, 17-Jan-2023 12:19:57

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

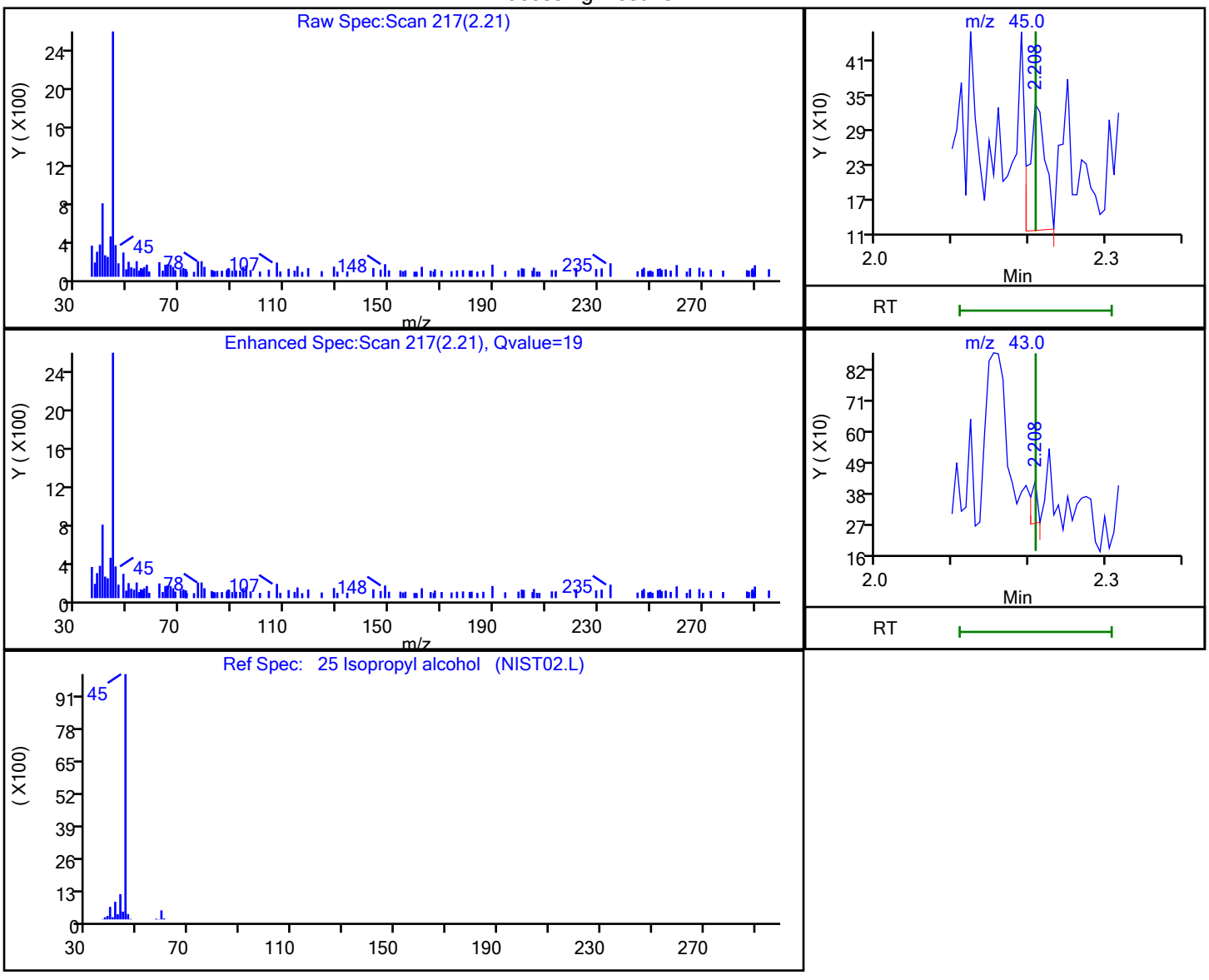
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.21	45.00	312	9.850787
2.21	43.00	88	

Reviewer: K0HS, 17-Jan-2023 12:19:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

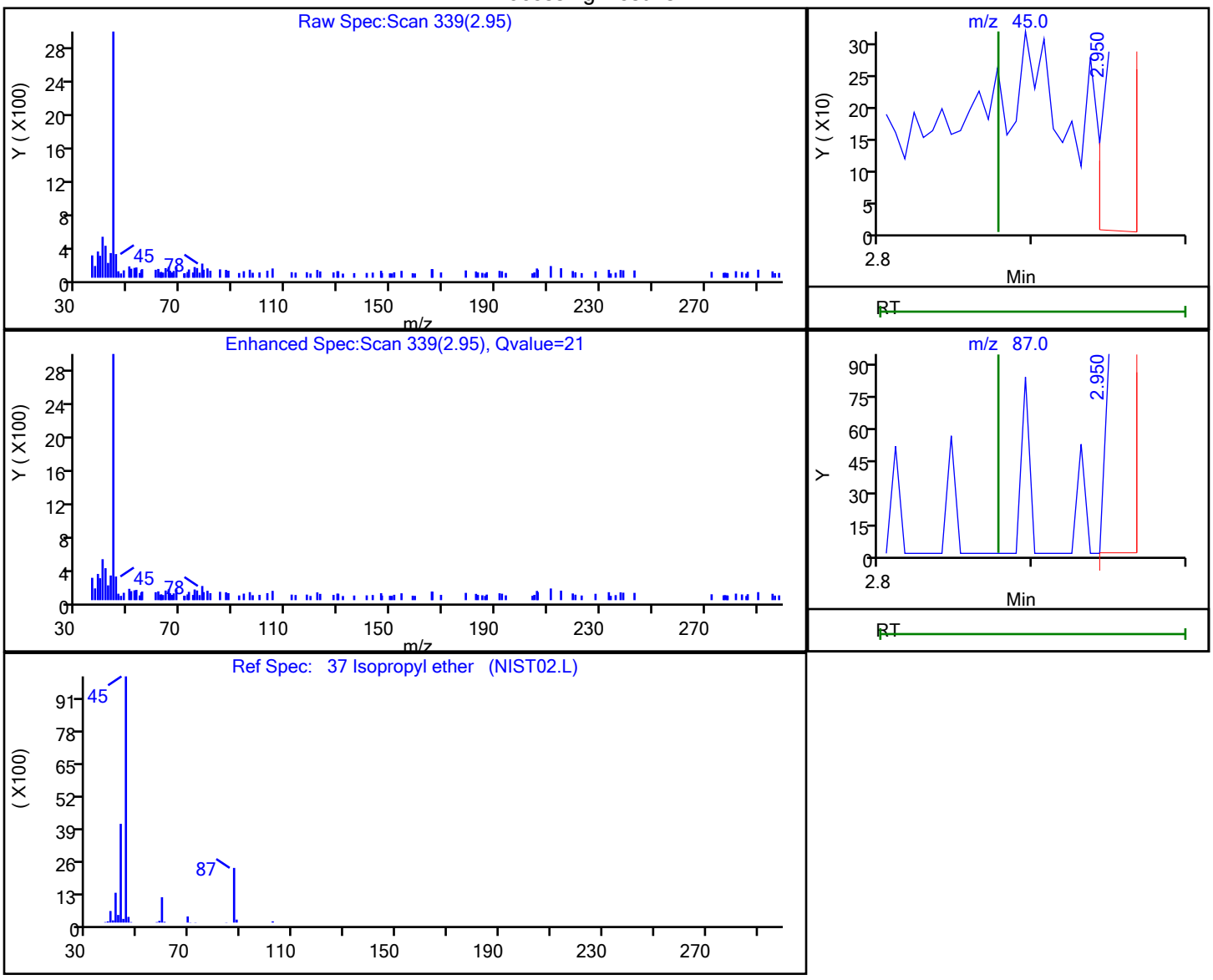
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

37 Isopropyl ether, CAS: 108-20-3

Processing Results



RT	Mass	Response	Amount
2.95	45.00	389	0.032172
2.95	87.00	82	

Reviewer: K0HS, 17-Jan-2023 12:19:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

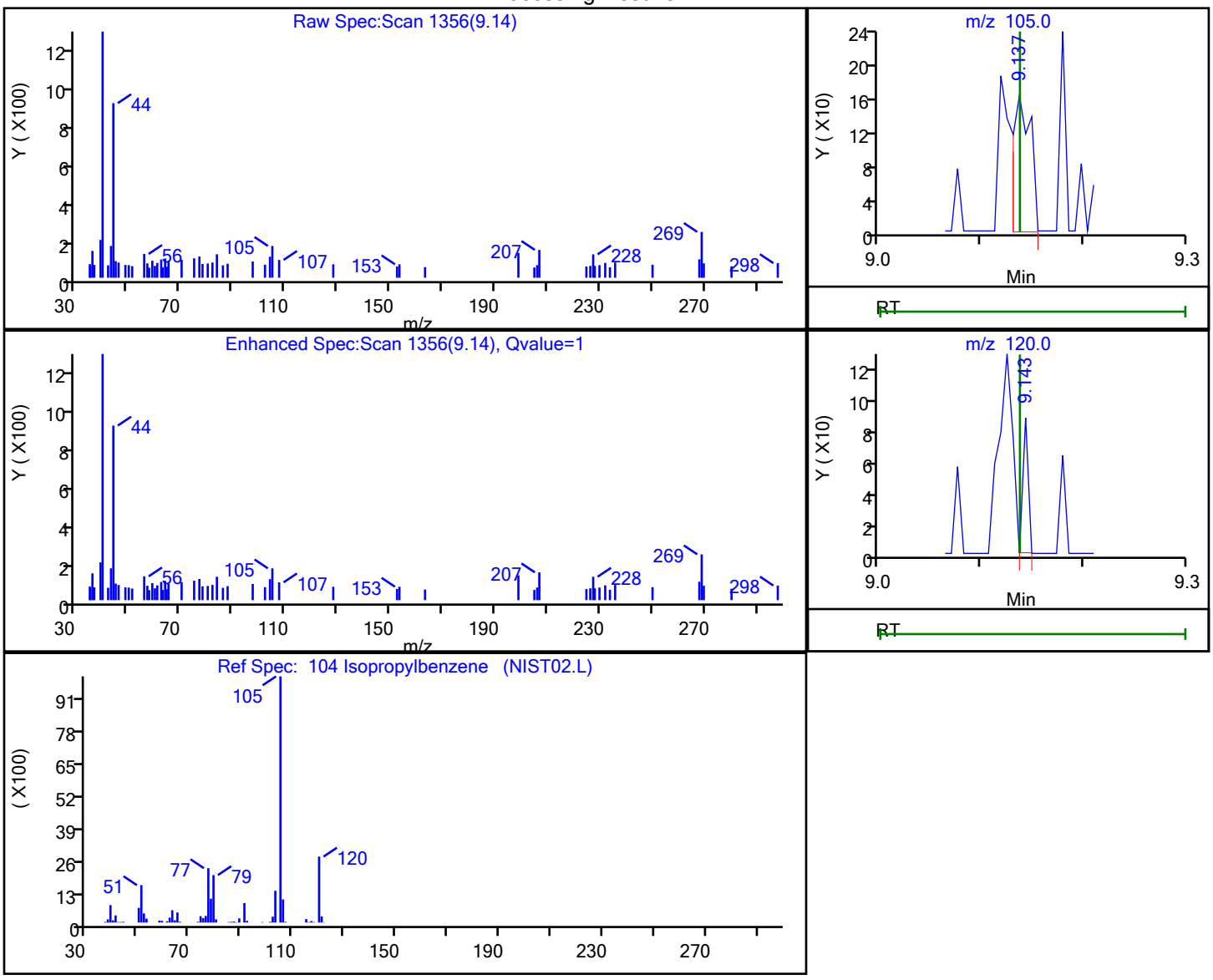
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

104 Isopropylbenzene, CAS: 98-82-8

Processing Results



RT	Mass	Response	Amount
9.14	105.00	190	0.022865
9.14	120.00	30	

Reviewer: K0HS, 17-Jan-2023 12:20:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

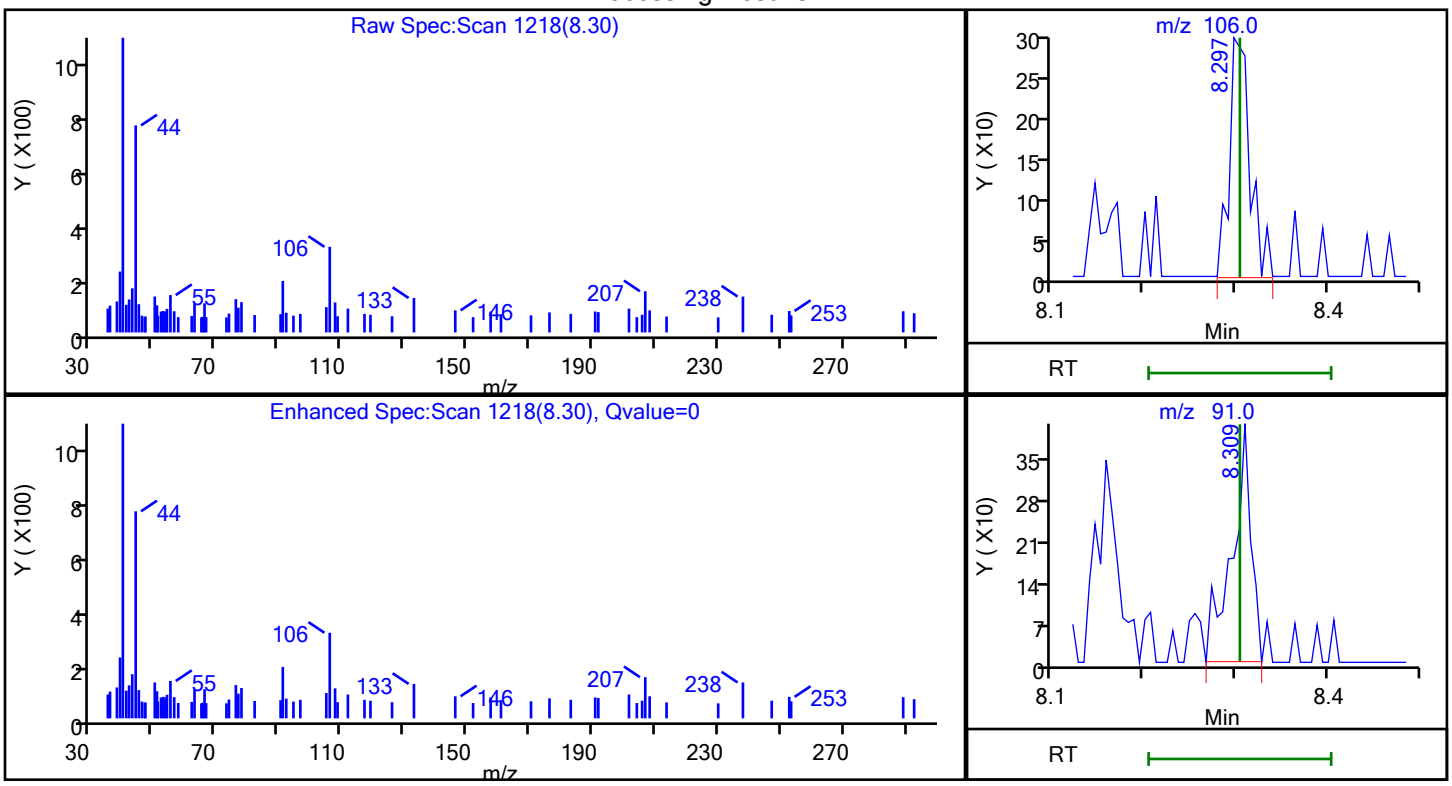
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

98 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
8.30	106.00	457	0.128018
8.31	91.00	582	

Reviewer: K0HS, 17-Jan-2023 12:20:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

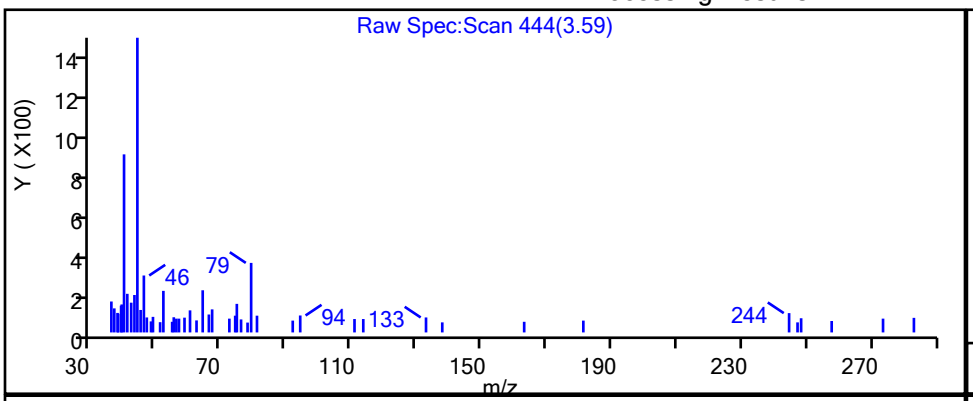
User Disabled Compound Report

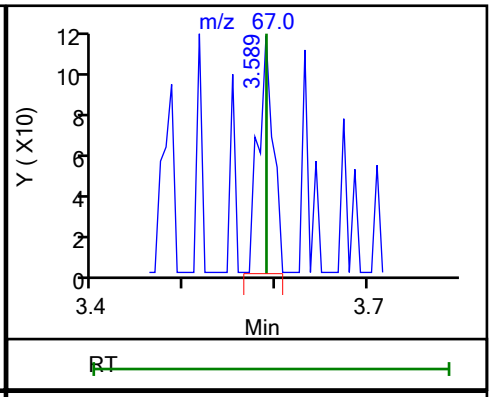
Eurofins Edison

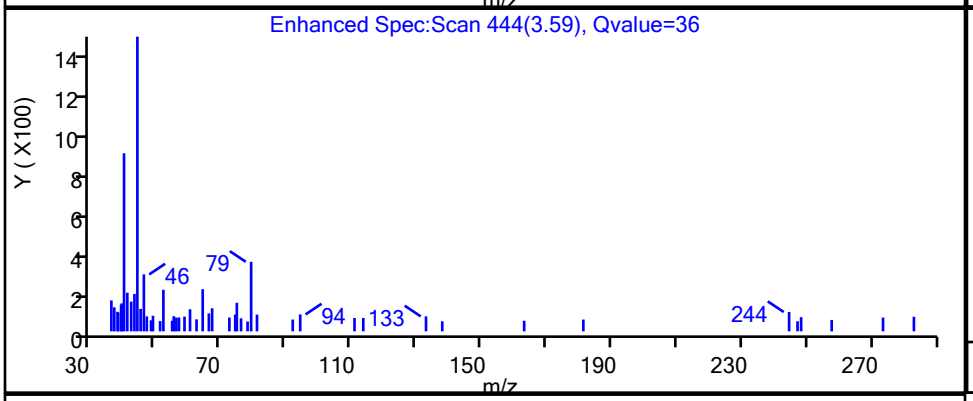
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

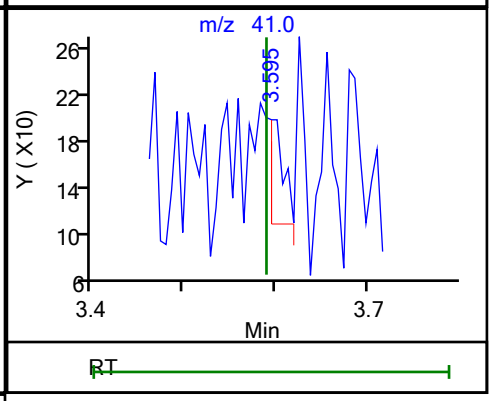
51 Methacrylonitrile, CAS: 126-98-7

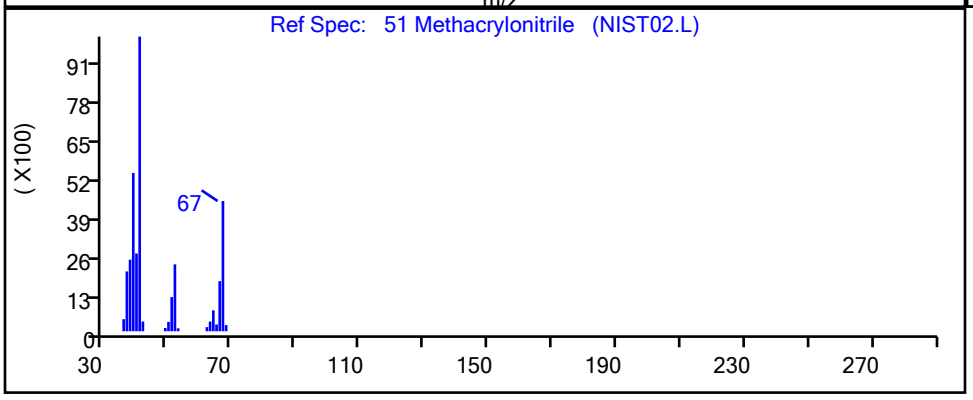
Processing Results











RT	Mass	Response	Amount
3.59	67.00	132	0.160959
3.59	41.00	93	

Reviewer: K0HS, 17-Jan-2023 12:21:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

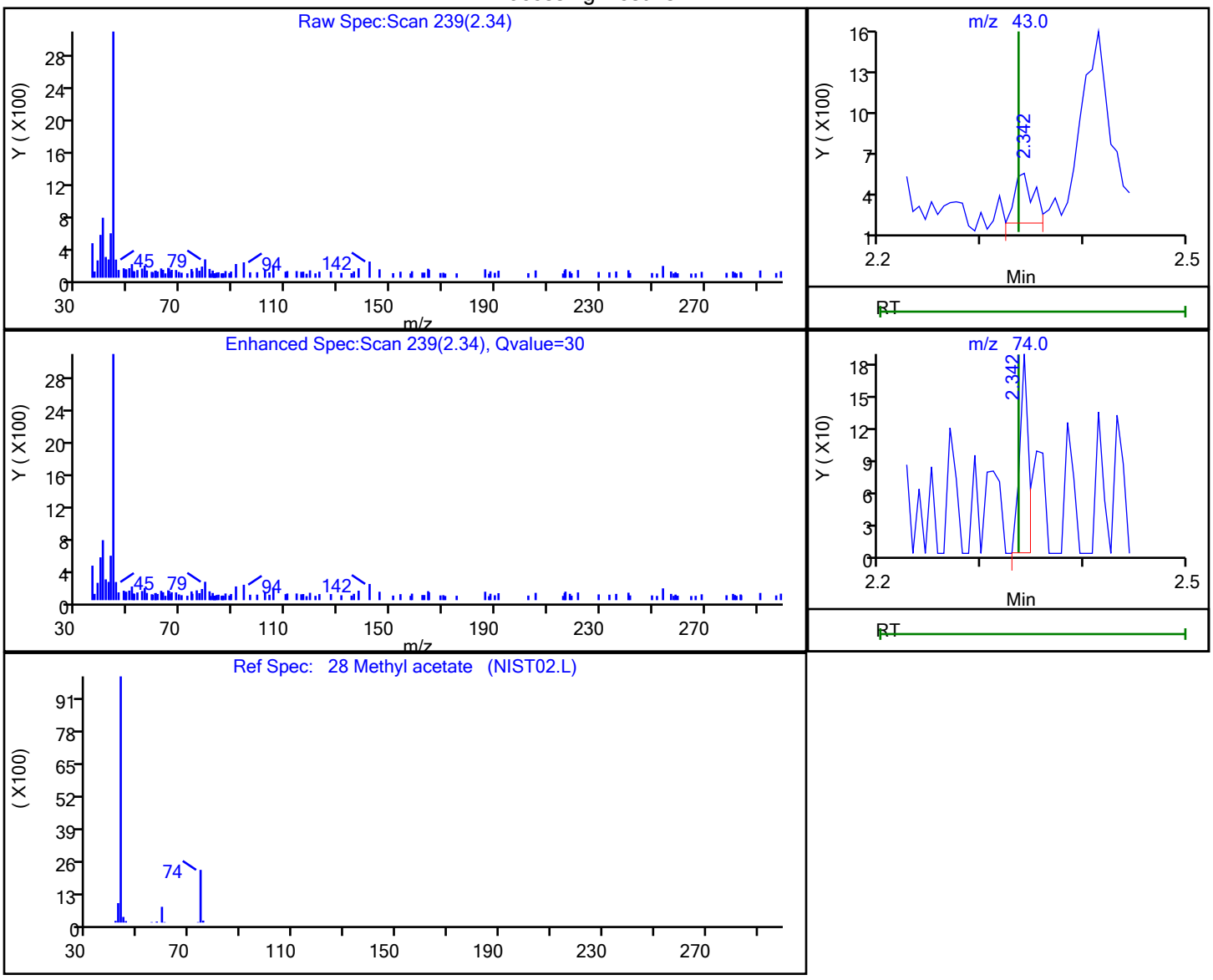
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

28 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
2.34	43.00	428	0.108774
2.34	74.00	115	

Reviewer: K0HS, 17-Jan-2023 12:19:20

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

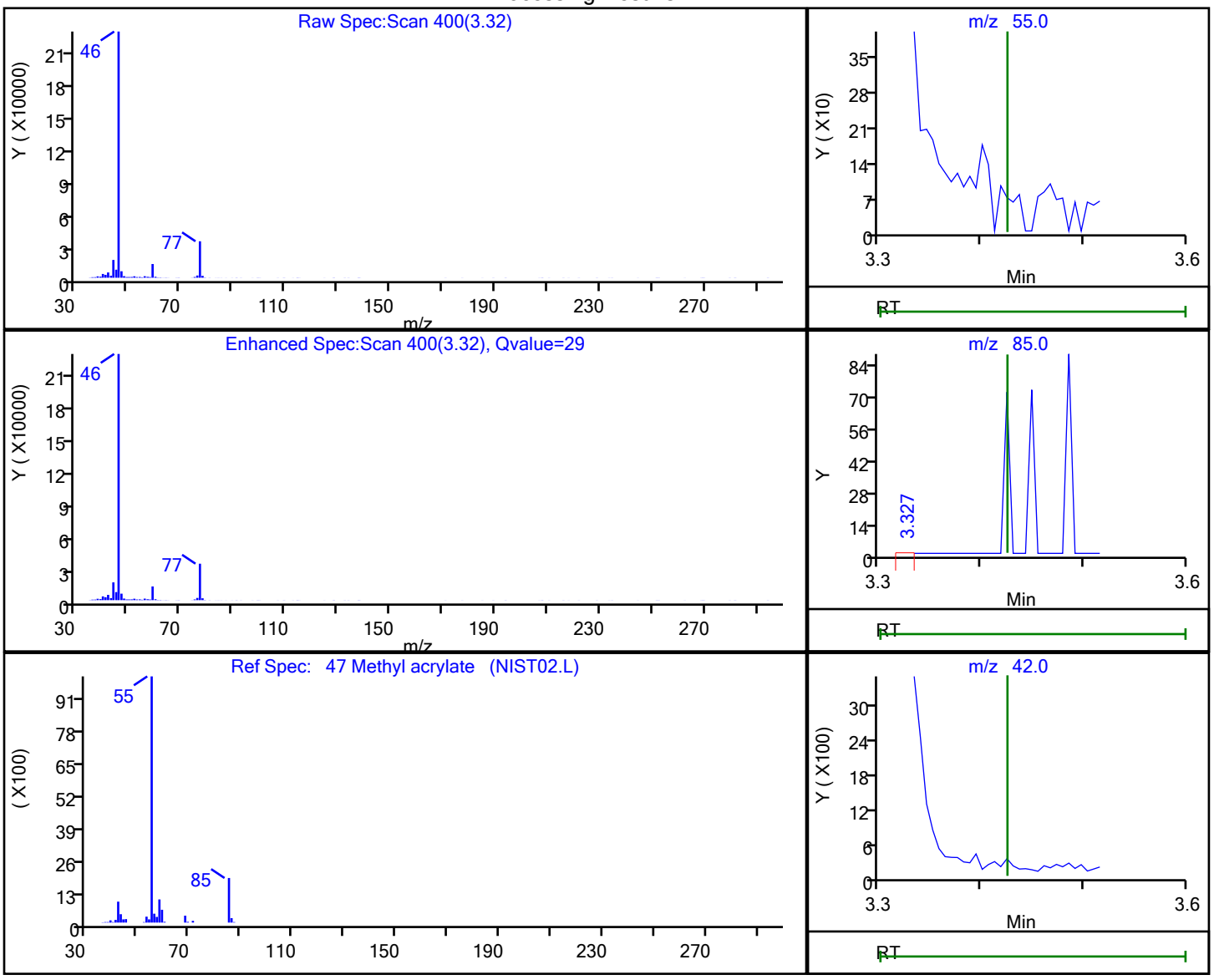
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

47 Methyl acrylate, CAS: 96-33-3

Processing Results



RT	Mass	Response	Amount
3.32	55.00	498	0.167356
3.33	85.00	58	
3.32	42.00	8923	

Reviewer: K0HS, 17-Jan-2023 12:21:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

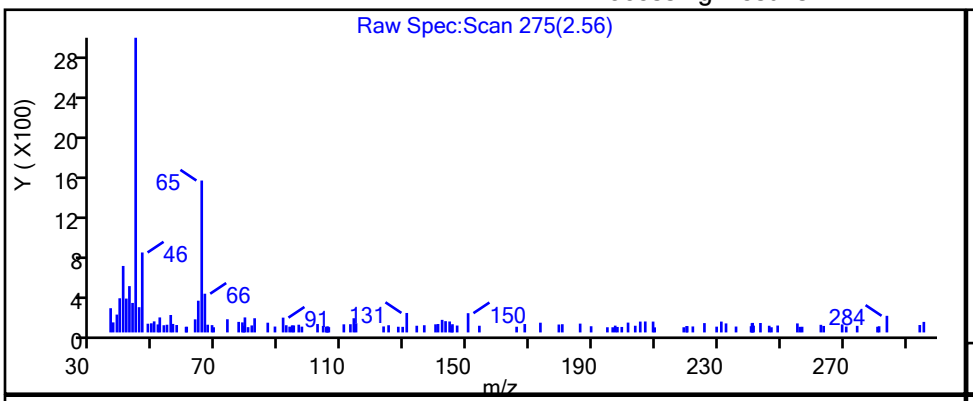
User Disabled Compound Report

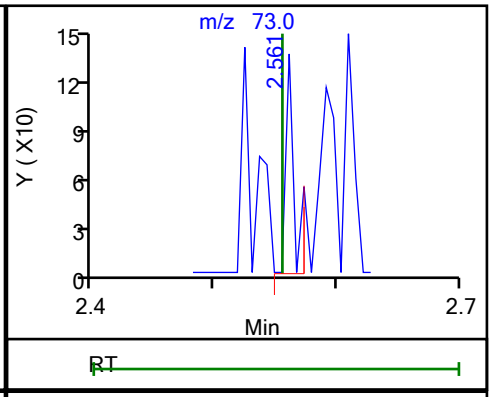
Eurofins Edison

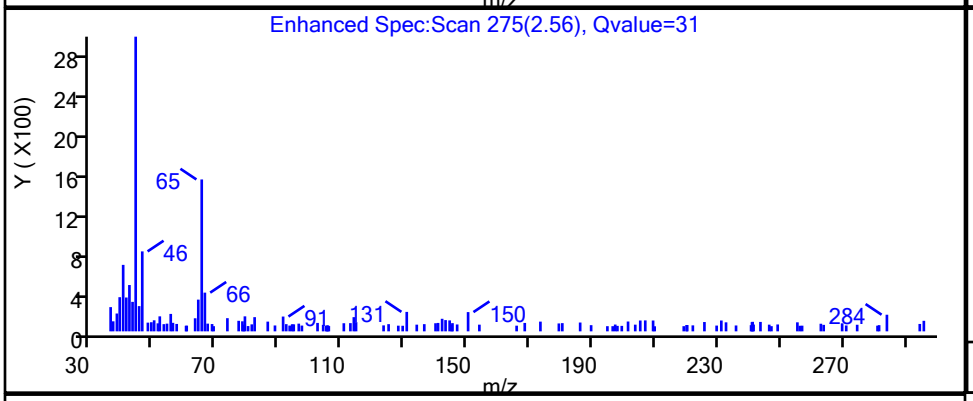
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

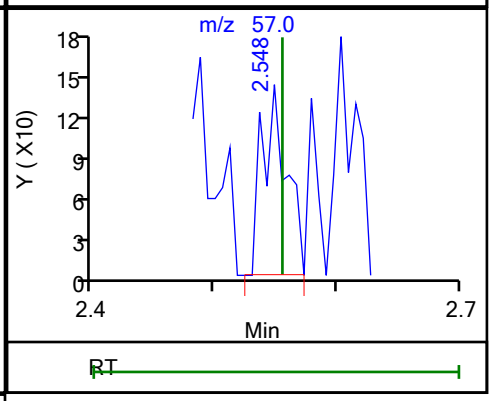
33 Methyl tert-butyl ether, CAS: 1634-04-4

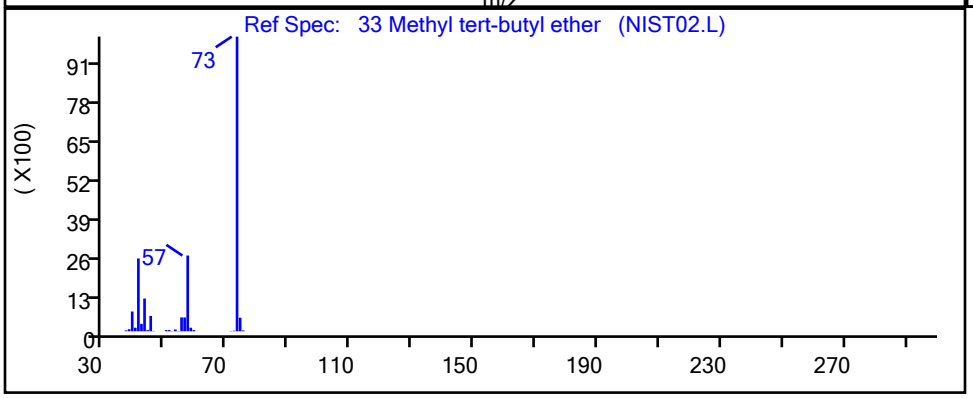
Processing Results











RT	Mass	Response	Amount
2.56	73.00	66	0.009311
2.55	57.00	194	

Reviewer: K0HS, 17-Jan-2023 12:19:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

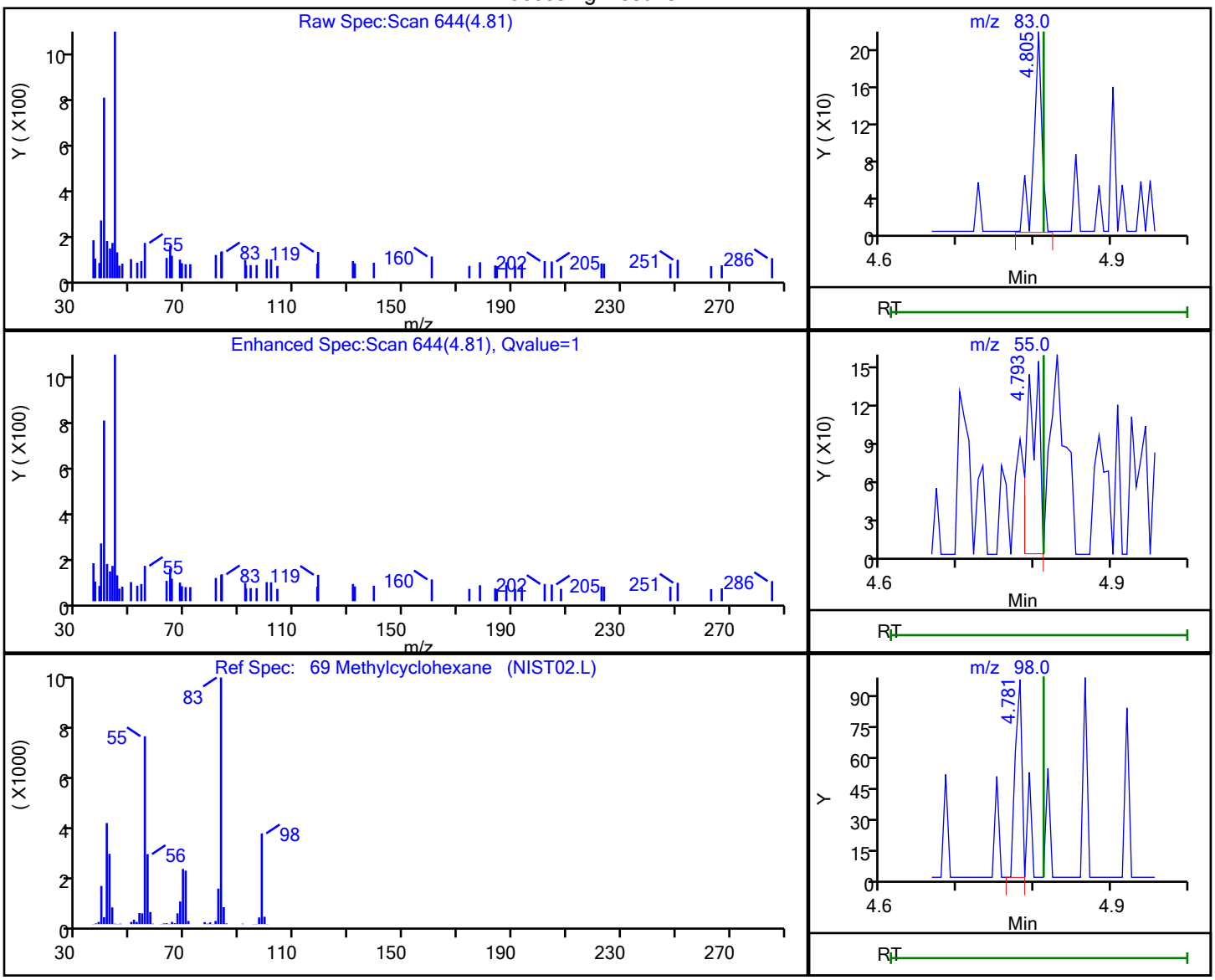
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 Methylcyclohexane, CAS: 108-87-2

Processing Results



RT	Mass	Response	Amount
4.81	83.00	161	0.050782
4.79	55.00	150	
4.78	98.00	59	

Reviewer: K0HS, 17-Jan-2023 12:20:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

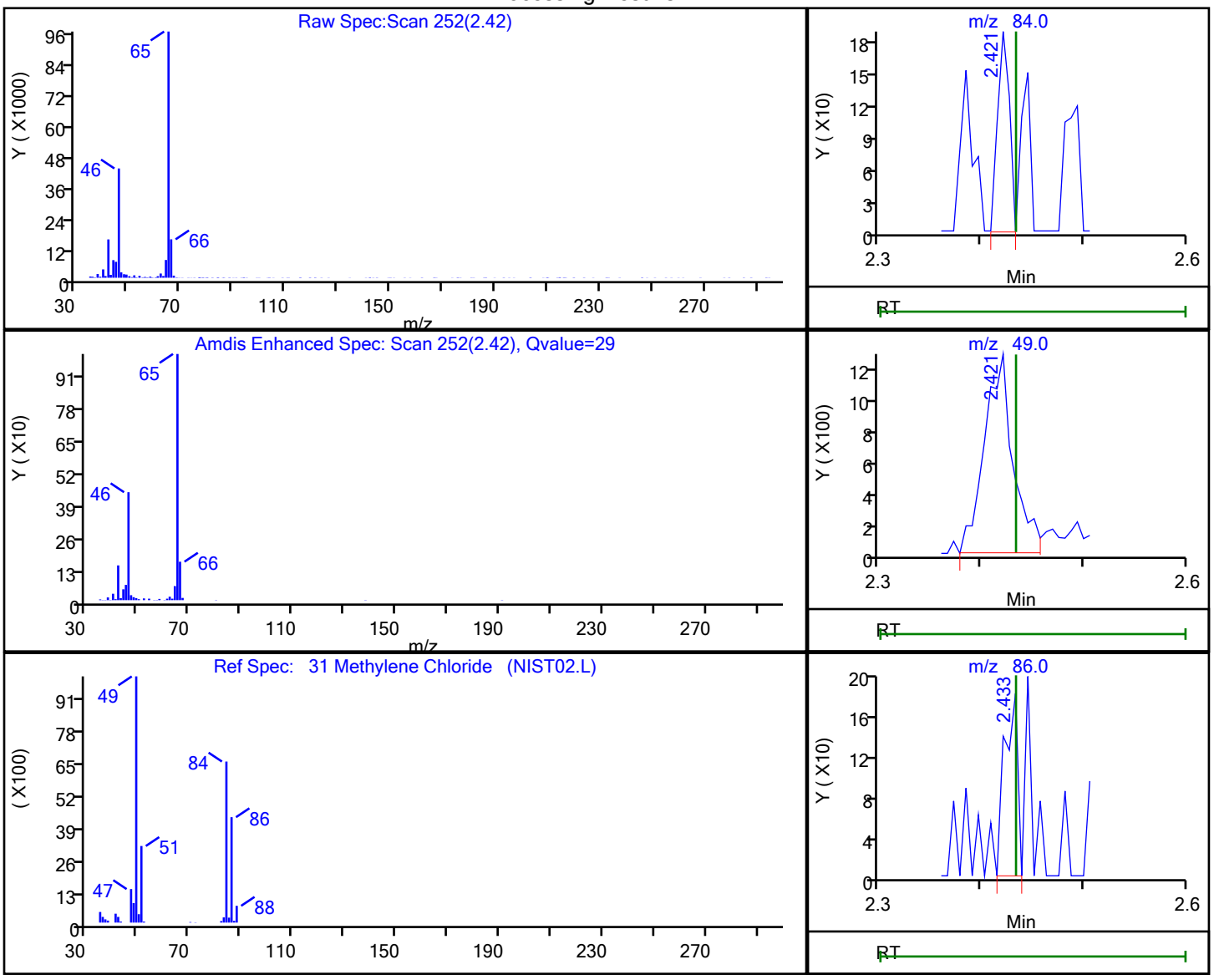
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
2.42	84.00	149	0.053066
2.42	49.00	2437	
2.43	86.00	164	

Reviewer: K0HS, 17-Jan-2023 12:19:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

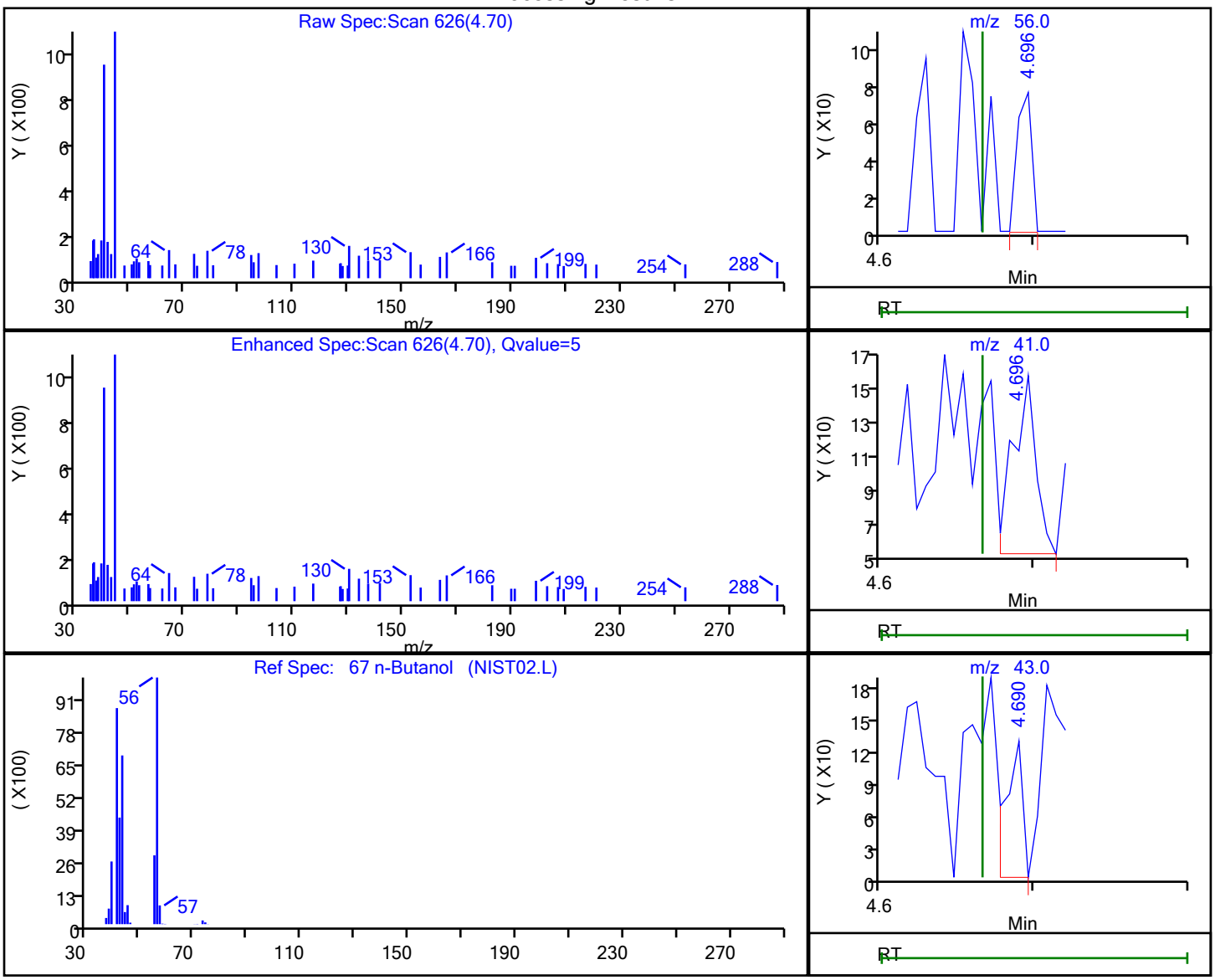
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.70	56.00	49	16.963467
4.70	41.00	107	
4.69	43.00	97	

Reviewer: K0HS, 17-Jan-2023 12:20:03

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

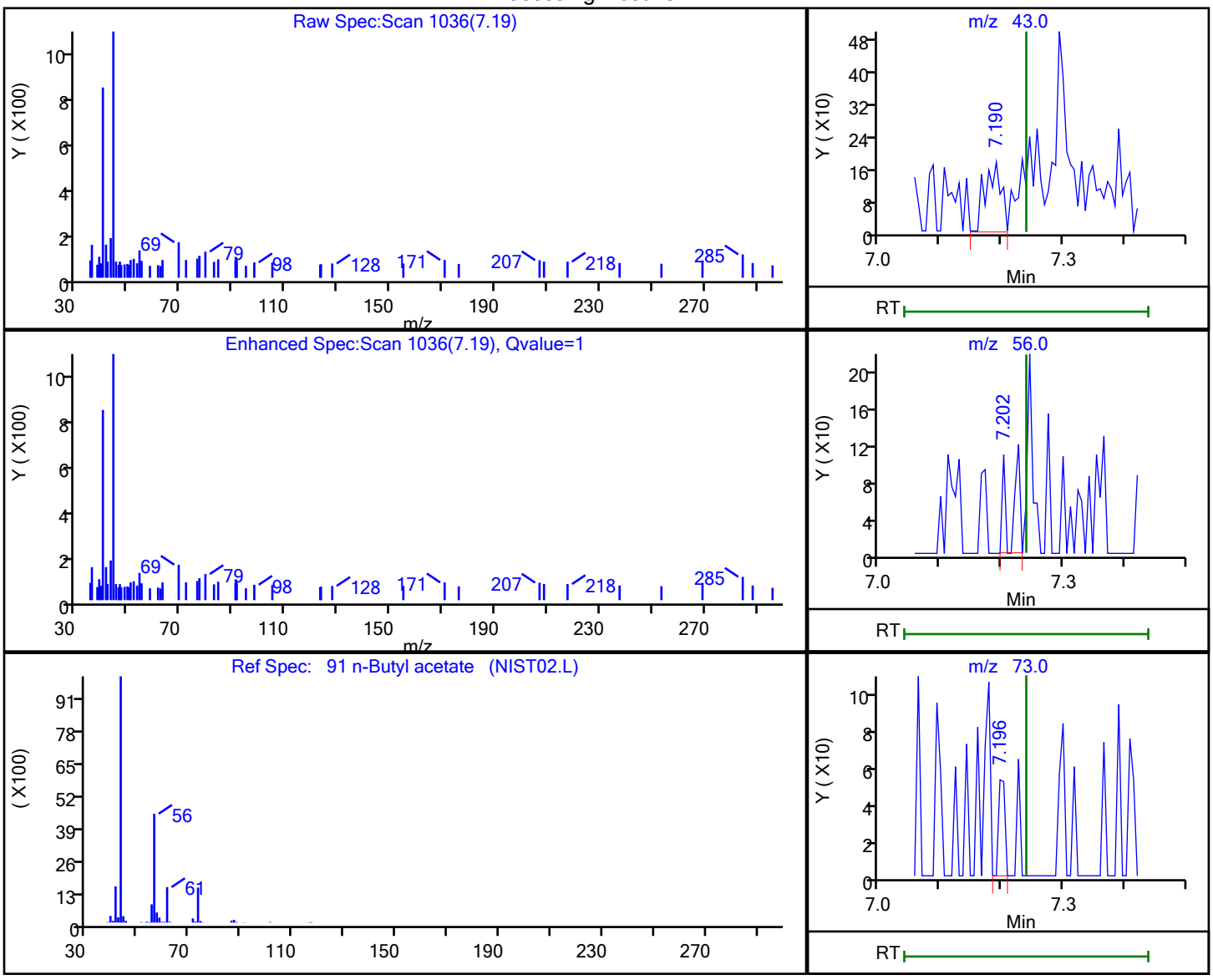
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

91 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.19	43.00	303	0.059986
7.20	56.00	105	
7.20	73.00	37	

Reviewer: K0HS, 17-Jan-2023 12:20:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

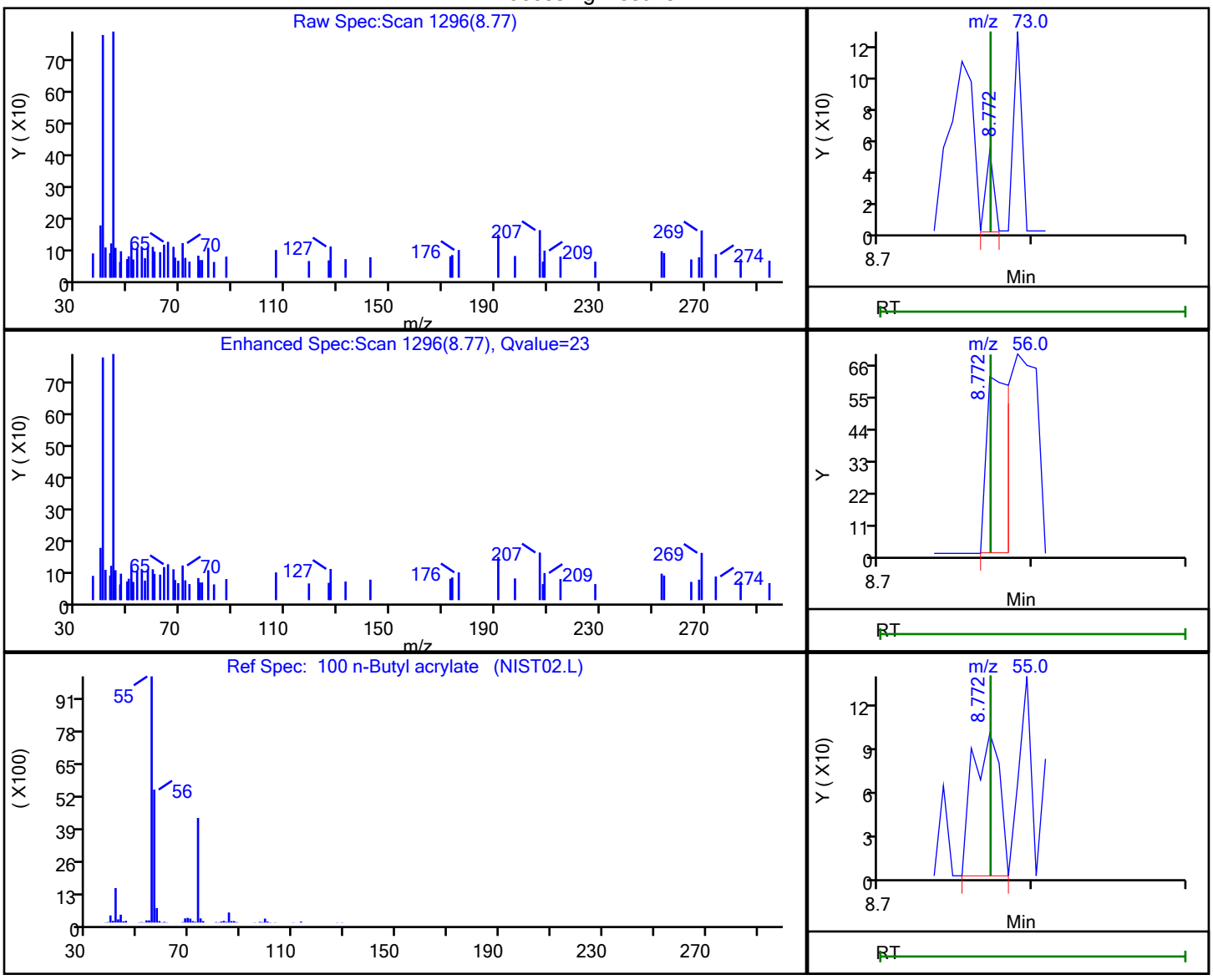
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

100 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.77	73.00	19	0.012868
8.77	56.00	66	
8.77	55.00	116	

Reviewer: K0HS, 17-Jan-2023 12:20:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

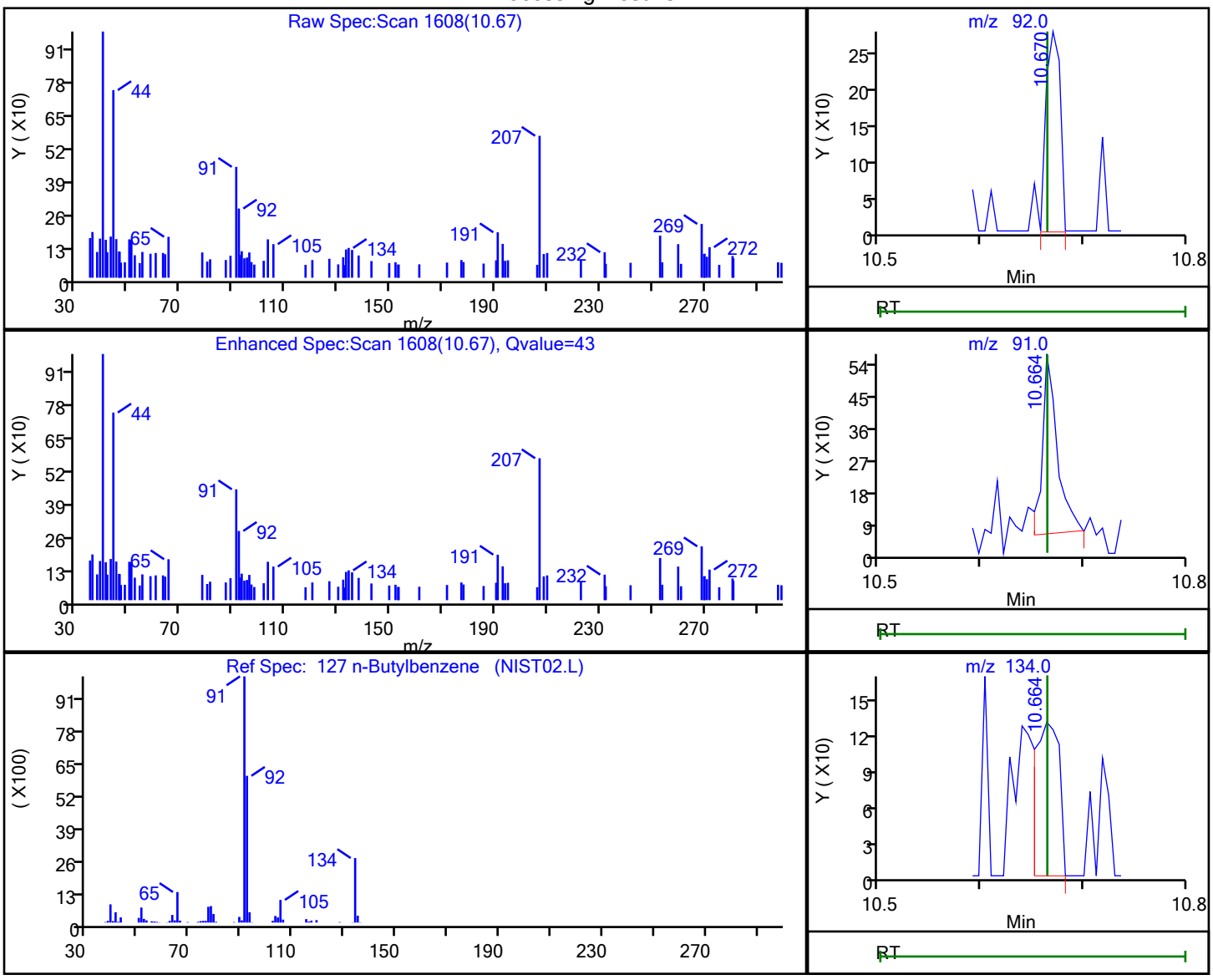
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

127 n-Butylbenzene, CAS: 104-51-8

Processing Results



RT	Mass	Response	Amount
10.67	92.00	263	0.065552
10.66	91.00	526	
10.66	134.00	204	

Reviewer: K0HS, 17-Jan-2023 12:21:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

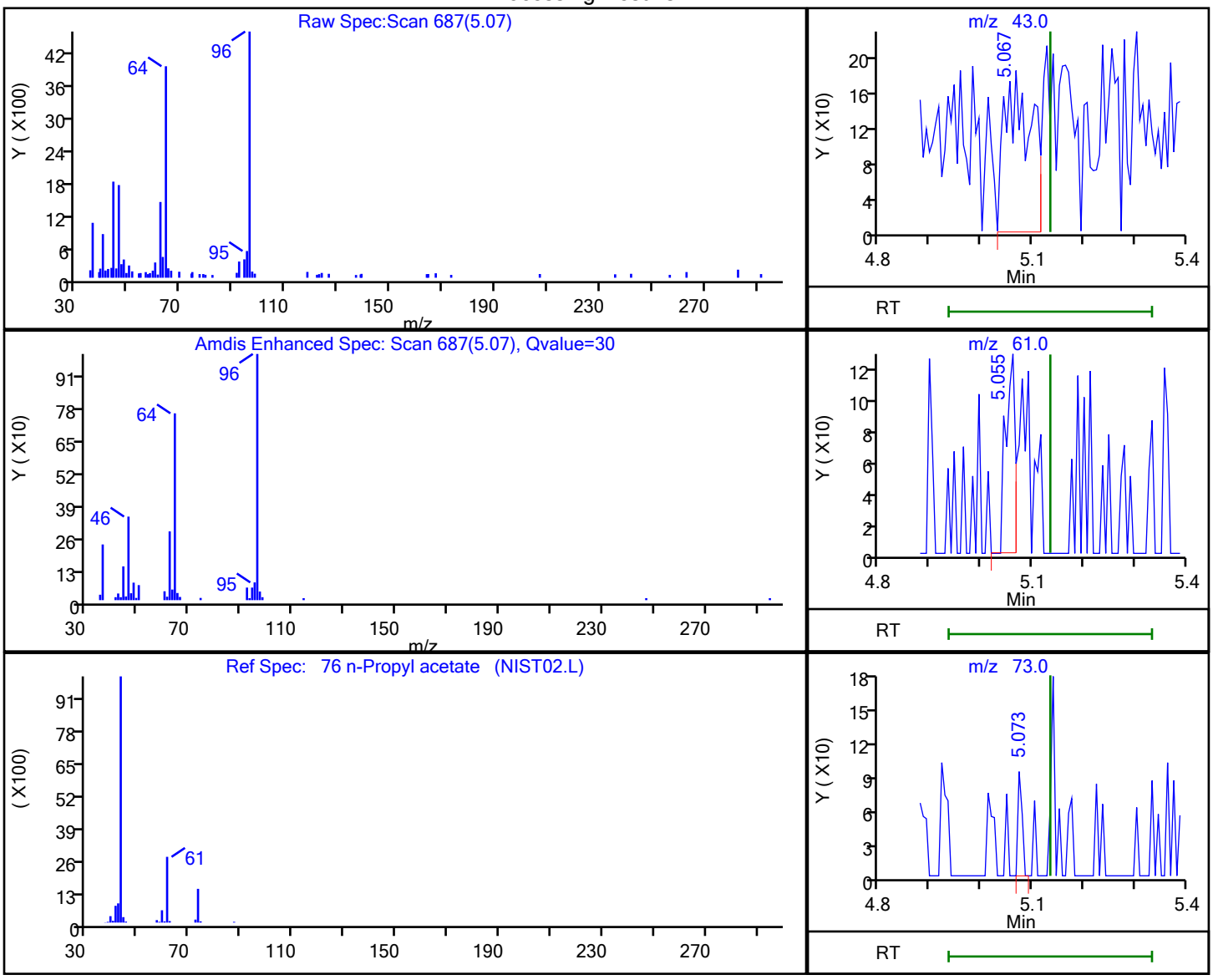
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

76 n-Propyl acetate, CAS: 109-60-4

Processing Results



RT	Mass	Response	Amount
5.07	43.00	638	0.130127
5.05	61.00	165	
5.07	73.00	54	

Reviewer: K0HS, 17-Jan-2023 12:20:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

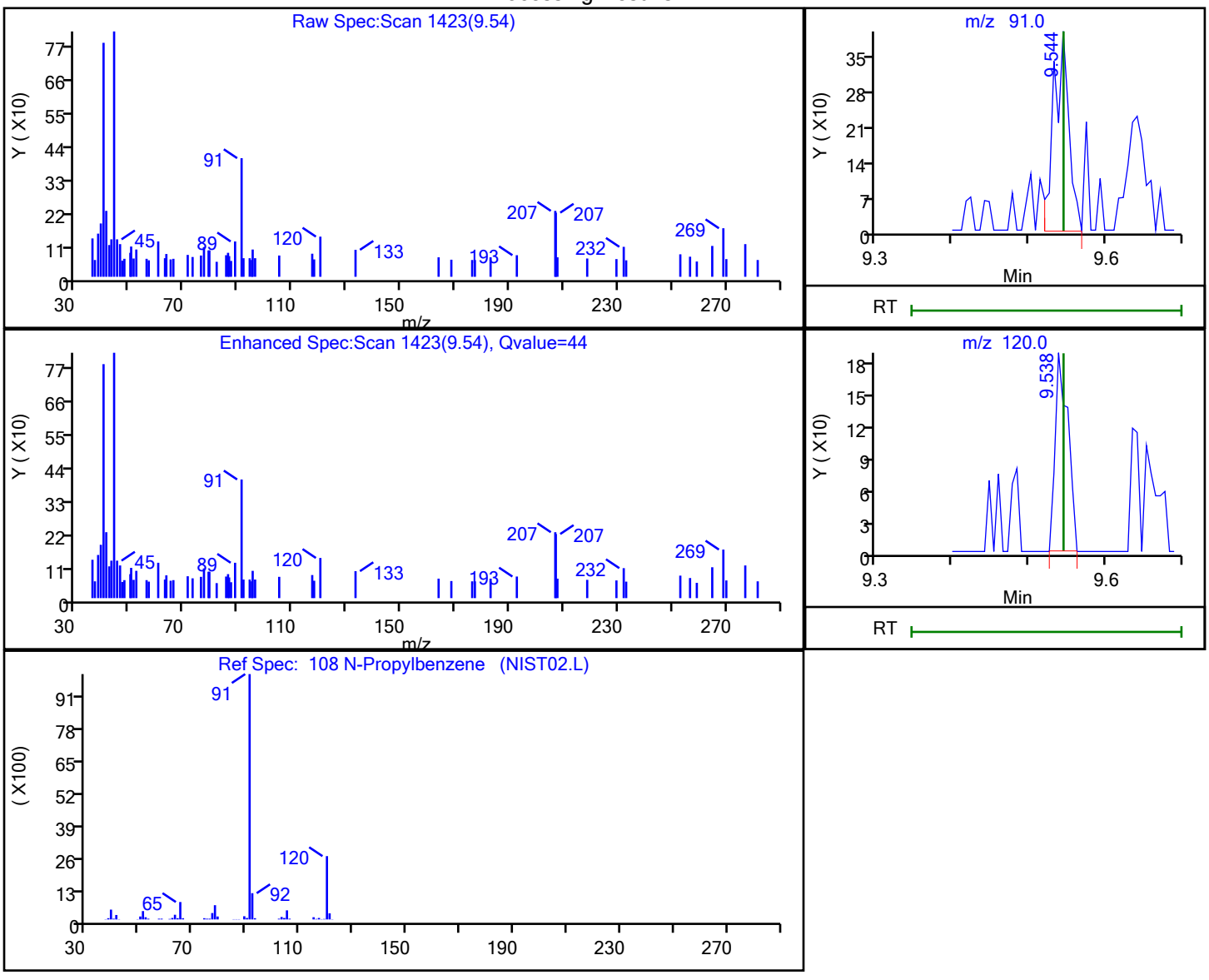
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

108 N-Propylbenzene, CAS: 103-65-1

Processing Results



RT	Mass	Response	Amount
9.54	91.00	543	0.048211
9.54	120.00	212	

Reviewer: K0HS, 17-Jan-2023 12:20:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

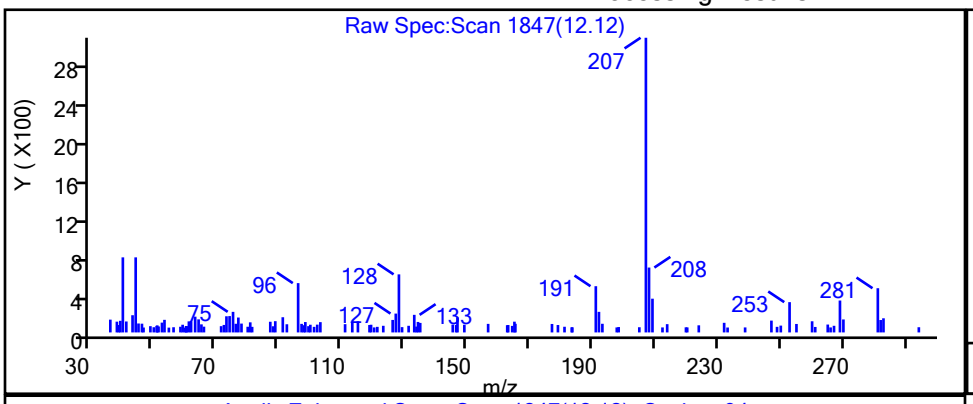
User Disabled Compound Report

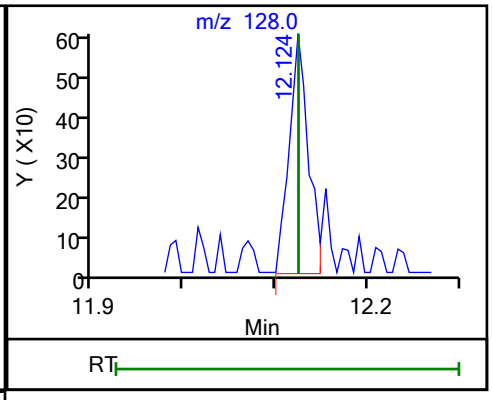
Eurofins Edison

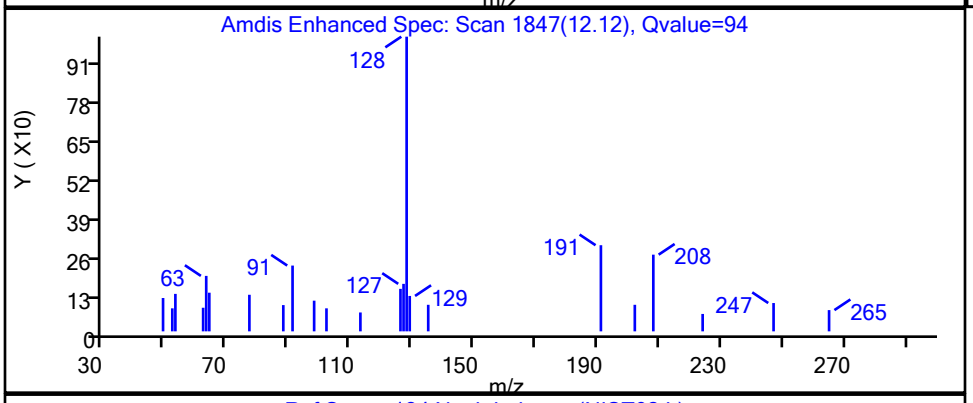
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

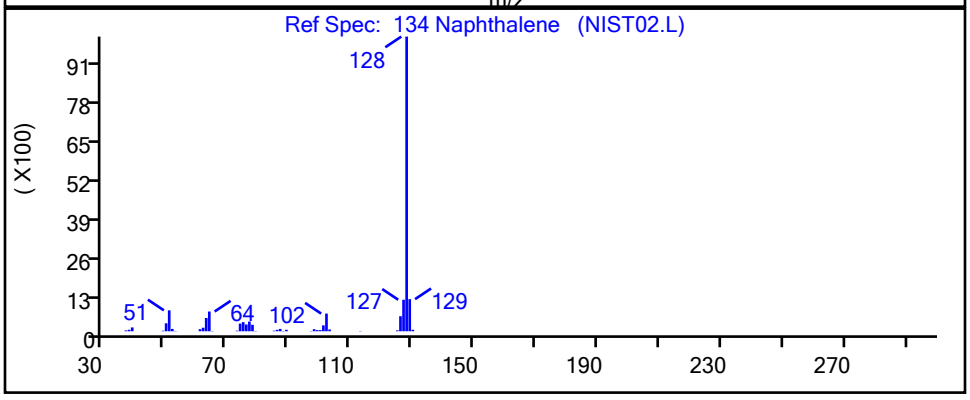
134 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
12.12	128.00	876	0.135588

Reviewer: K0HS, 17-Jan-2023 12:21:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

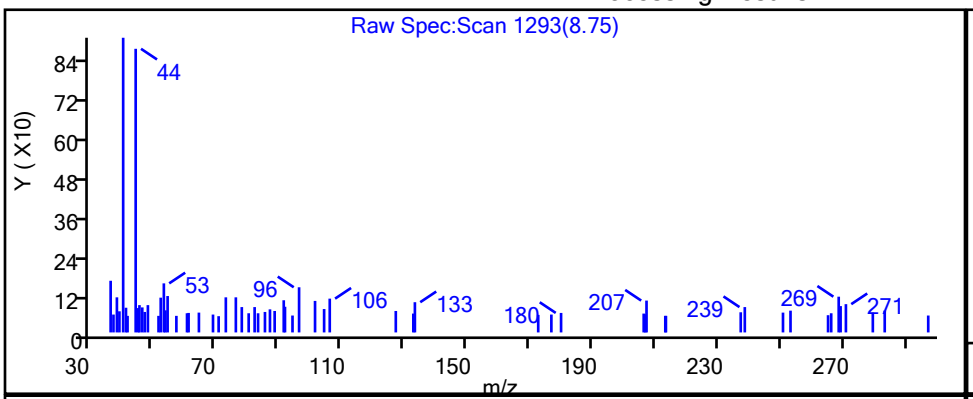
User Disabled Compound Report

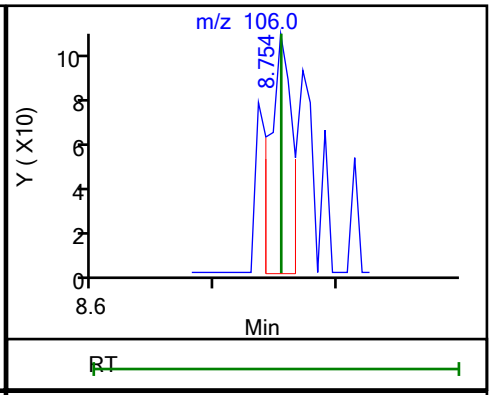
Eurofins Edison

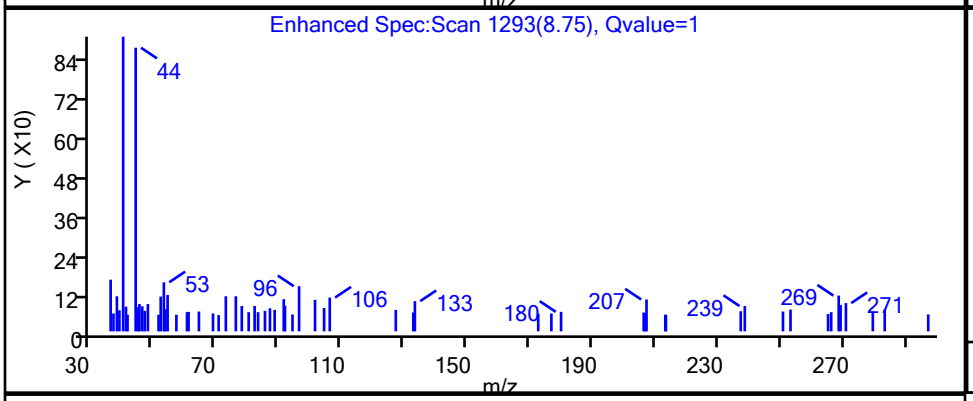
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

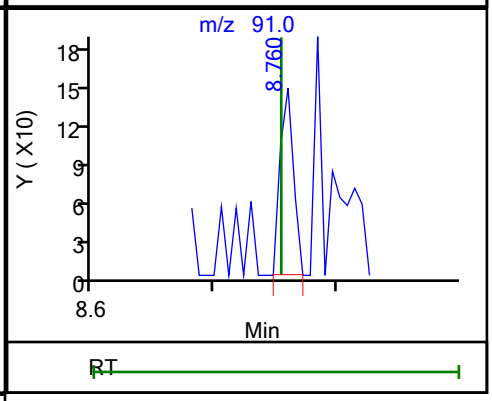
99 o-Xylene, CAS: 95-47-6

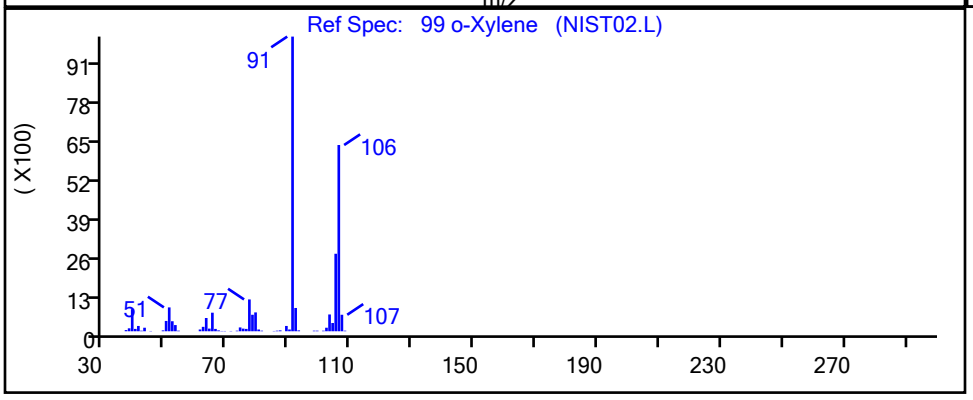
Processing Results











RT	Mass	Response	Amount
8.75	106.00	131	0.037676
8.76	91.00	109	

Reviewer: K0HS, 17-Jan-2023 12:20:39
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

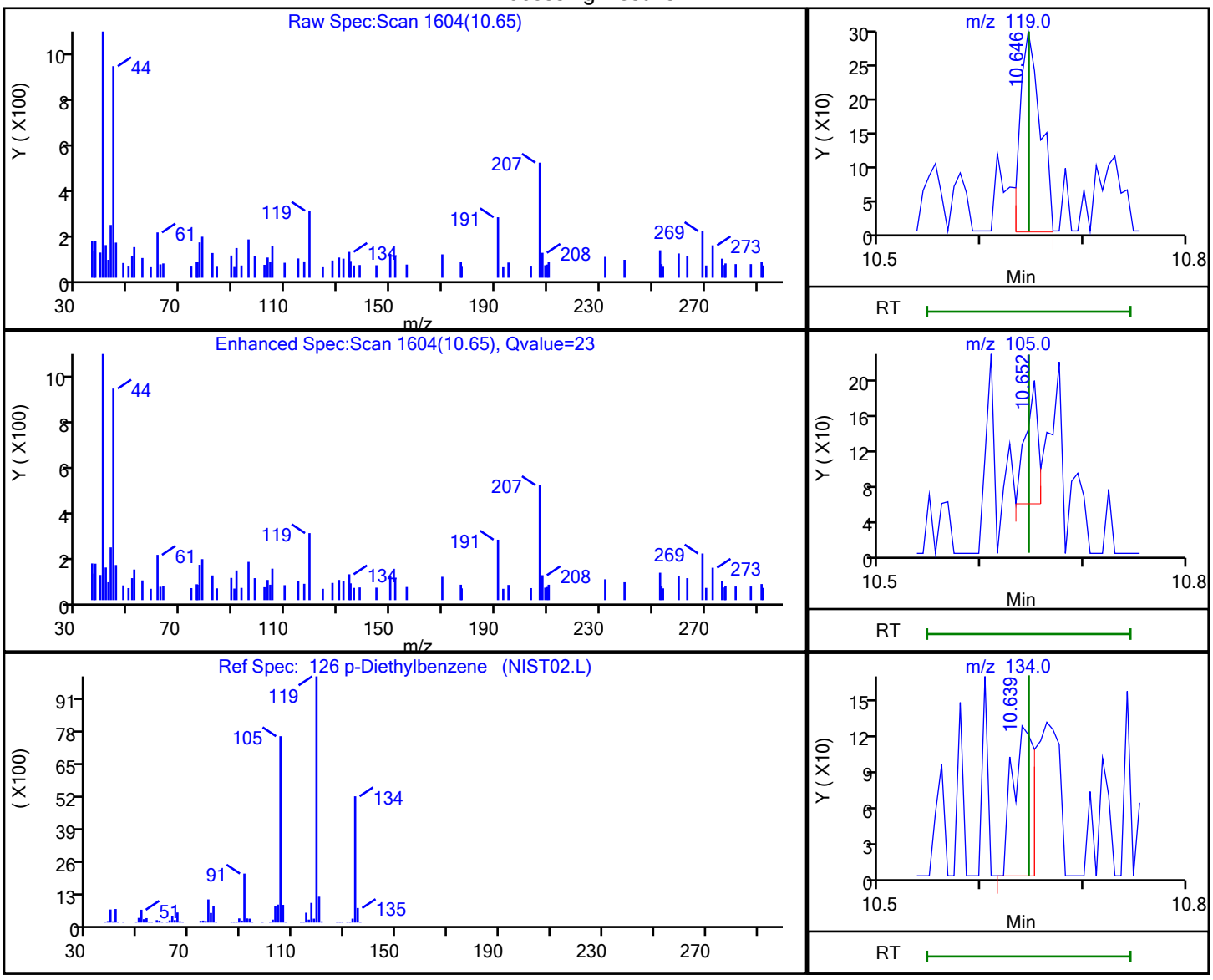
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

126 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
10.65	119.00	405	0.093324
10.65	105.00	119	
10.64	134.00	180	

Reviewer: K0HS, 17-Jan-2023 12:22:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

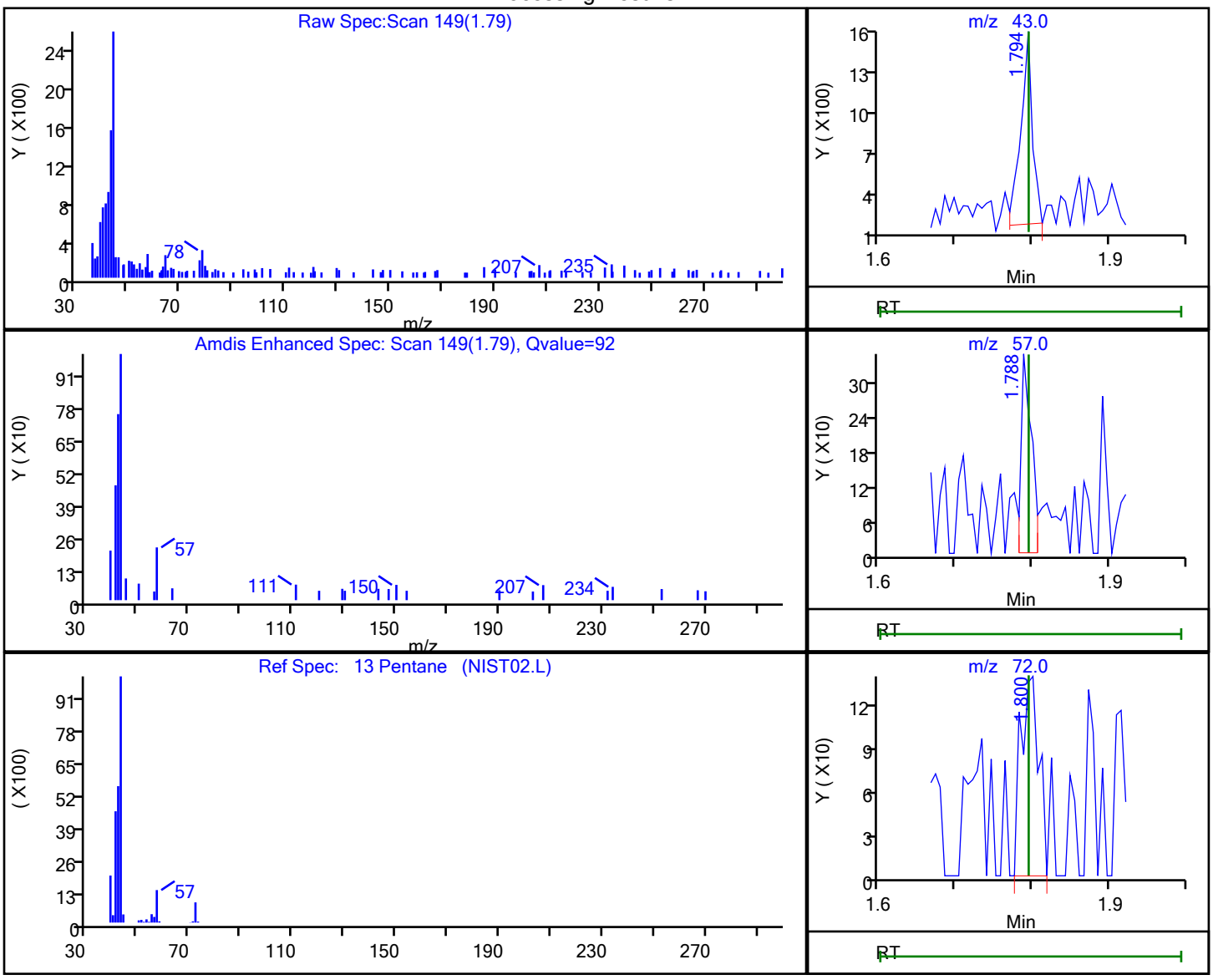
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

13 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
1.79	43.00	1357	0.209092
1.79	57.00	332	
1.80	72.00	223	

Reviewer: K0HS, 17-Jan-2023 12:19:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

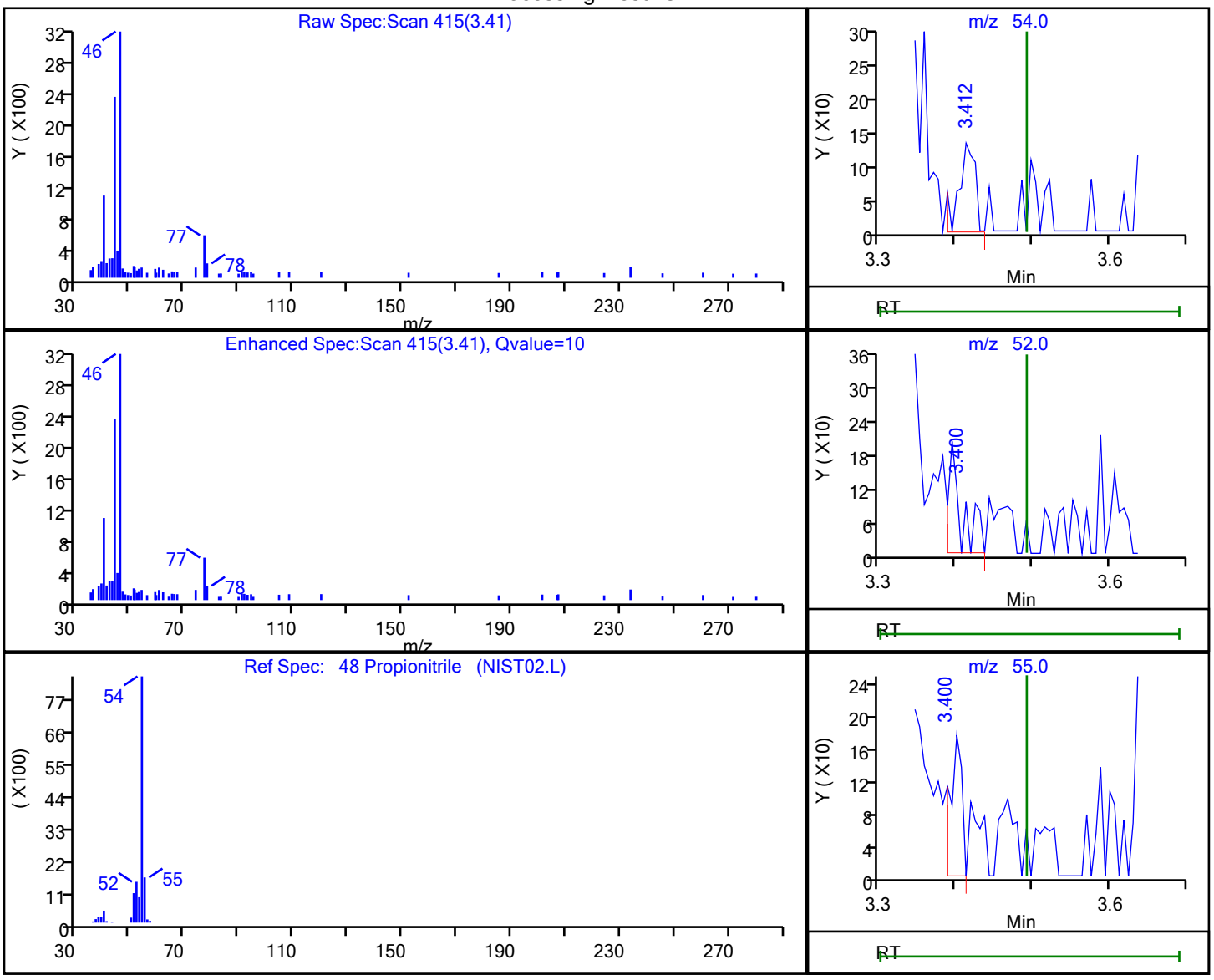
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
3.41	54.00	189	0.570678
3.40	52.00	241	
3.40	55.00	180	

Reviewer: K0HS, 17-Jan-2023 12:21:49
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

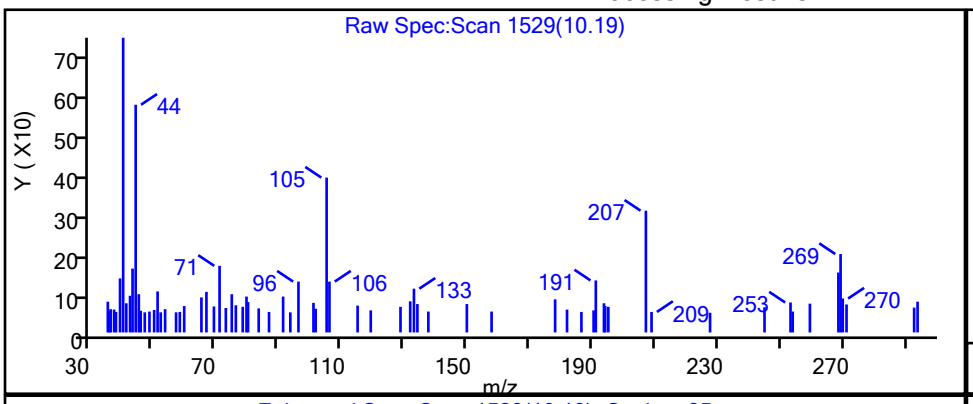
User Disabled Compound Report

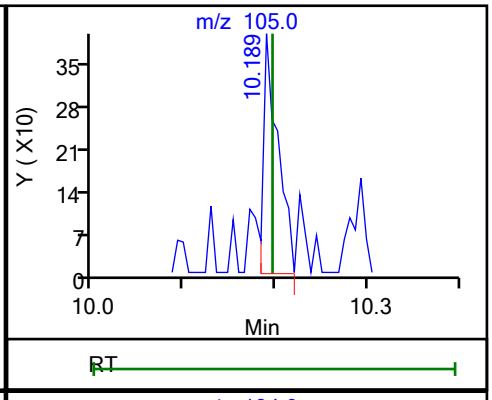
Eurofins Edison

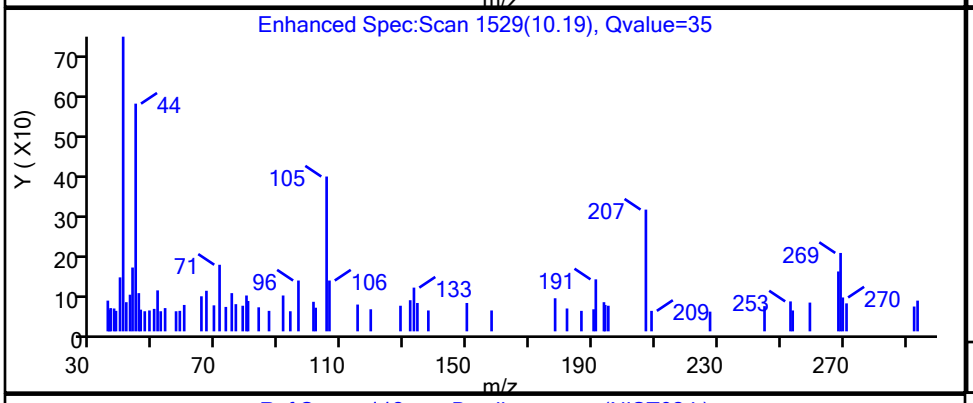
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

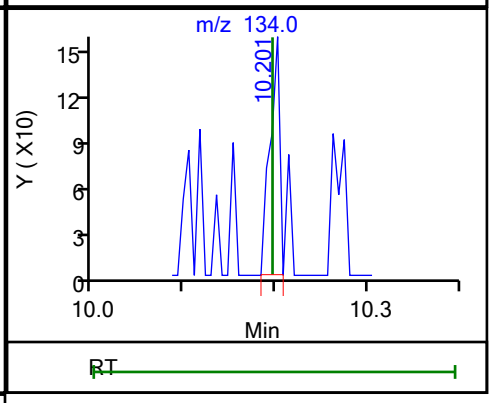
118 sec-Butylbenzene, CAS: 135-98-8

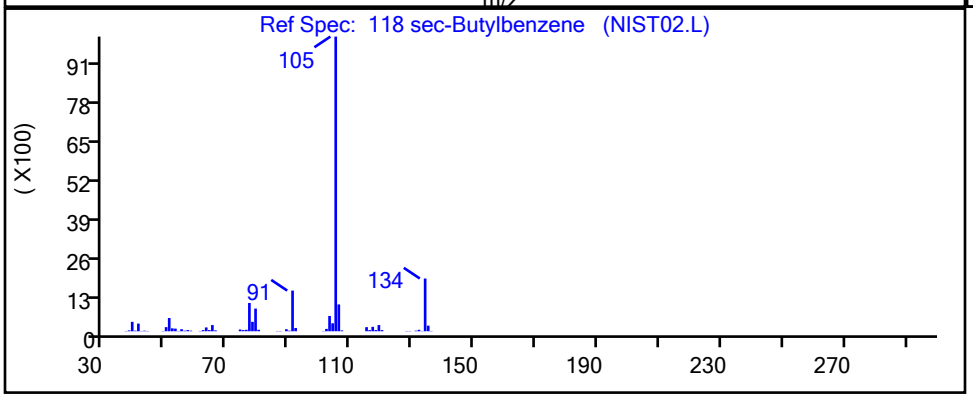
Processing Results











RT	Mass	Response	Amount
10.19	105.00	426	0.050354
10.20	134.00	119	

Reviewer: K0HS, 17-Jan-2023 12:21:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

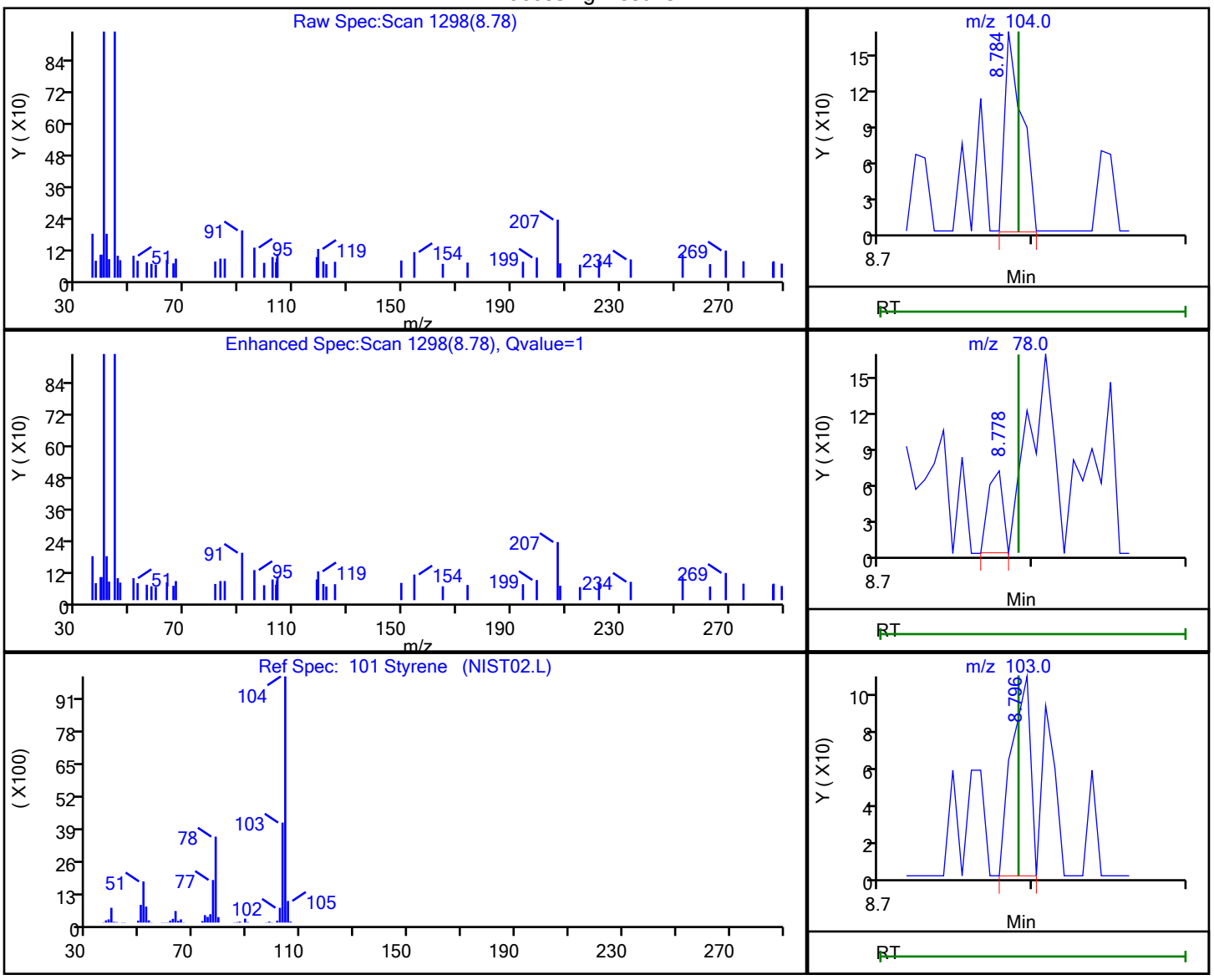
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

101 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
8.78	104.00	128	0.022993
8.78	78.00	45	
8.80	103.00	88	

Reviewer: K0HS, 17-Jan-2023 12:20:40
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

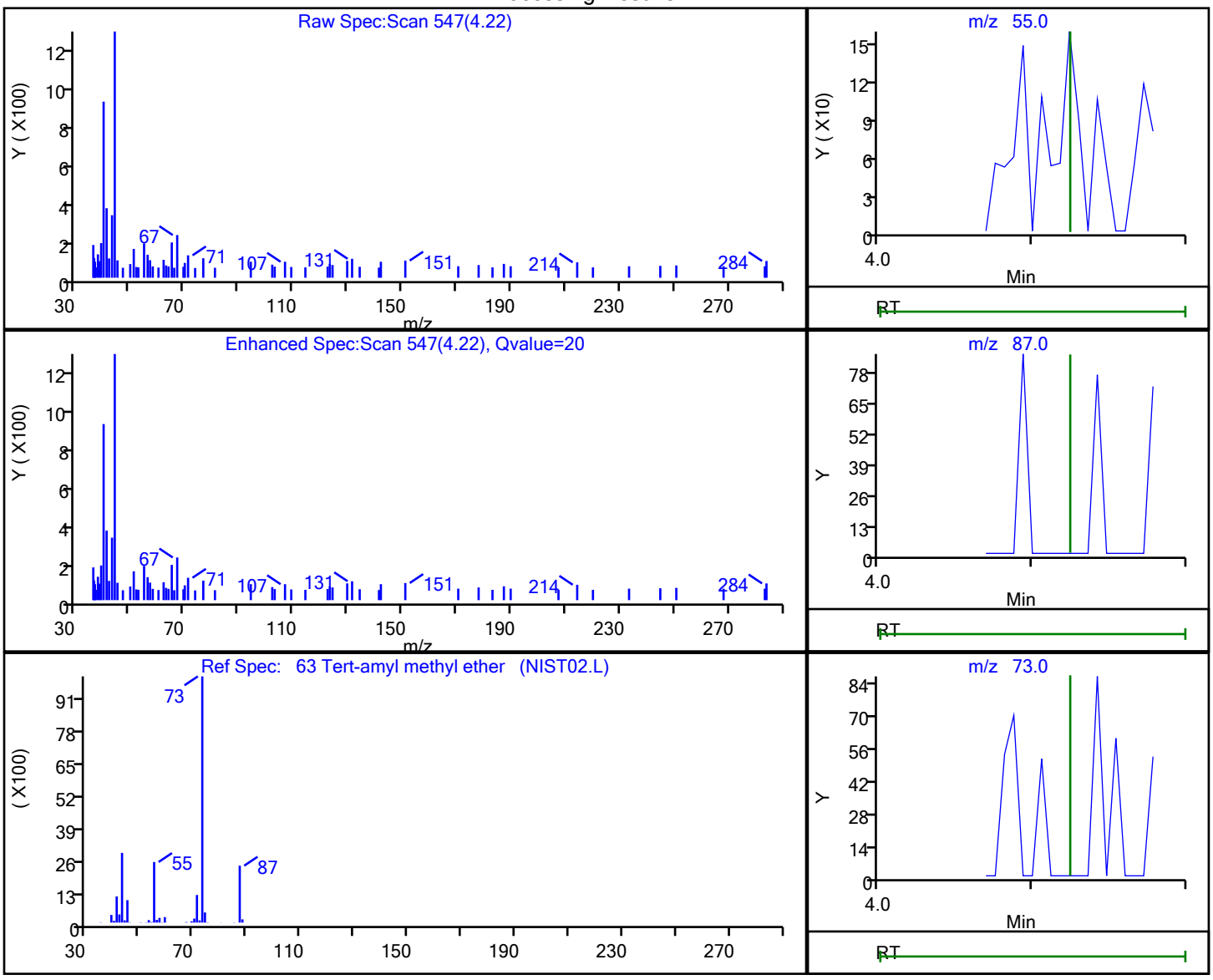
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
4.22	55.00	156	0.159048
4.22	87.00	46	
4.22	73.00	80	

Reviewer: K0HS, 17-Jan-2023 12:21:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

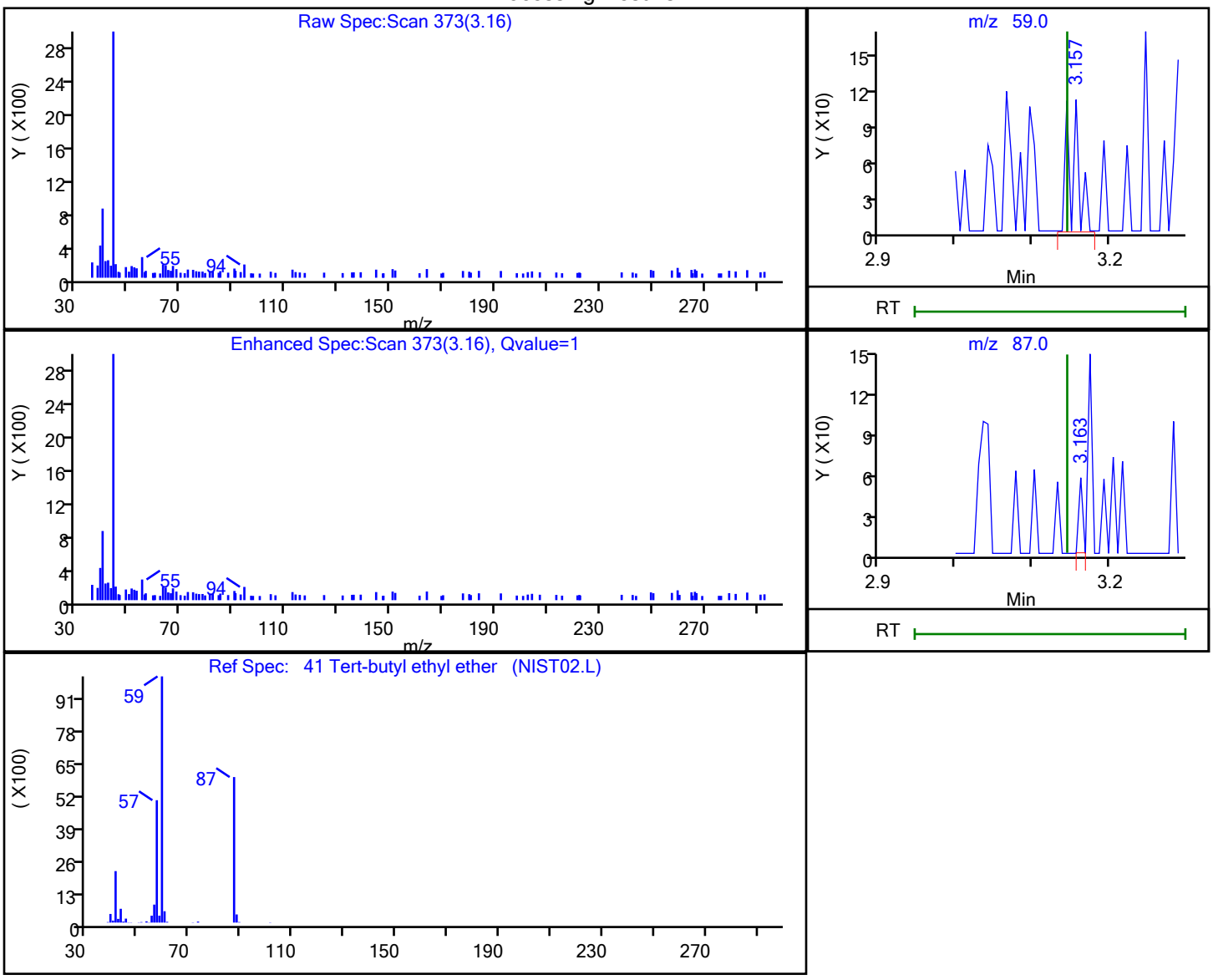
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results



RT	Mass	Response	Amount
3.16	59.00	100	0.012282
3.16	87.00	20	

Reviewer: K0HS, 17-Jan-2023 12:21:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

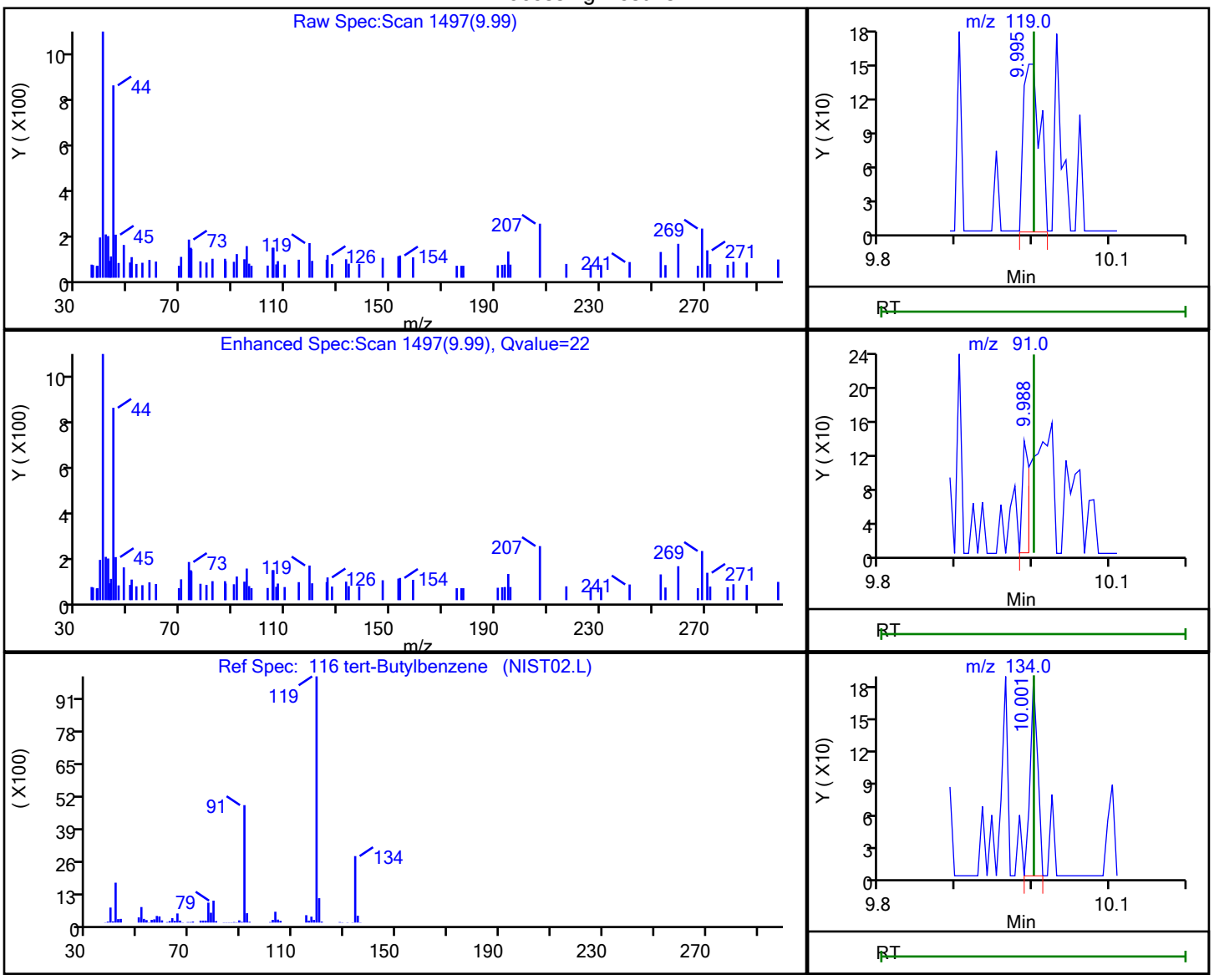
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
9.99	119.00	221	0.038778
9.99	91.00	85	
10.00	134.00	125	

Reviewer: K0HS, 17-Jan-2023 12:20:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

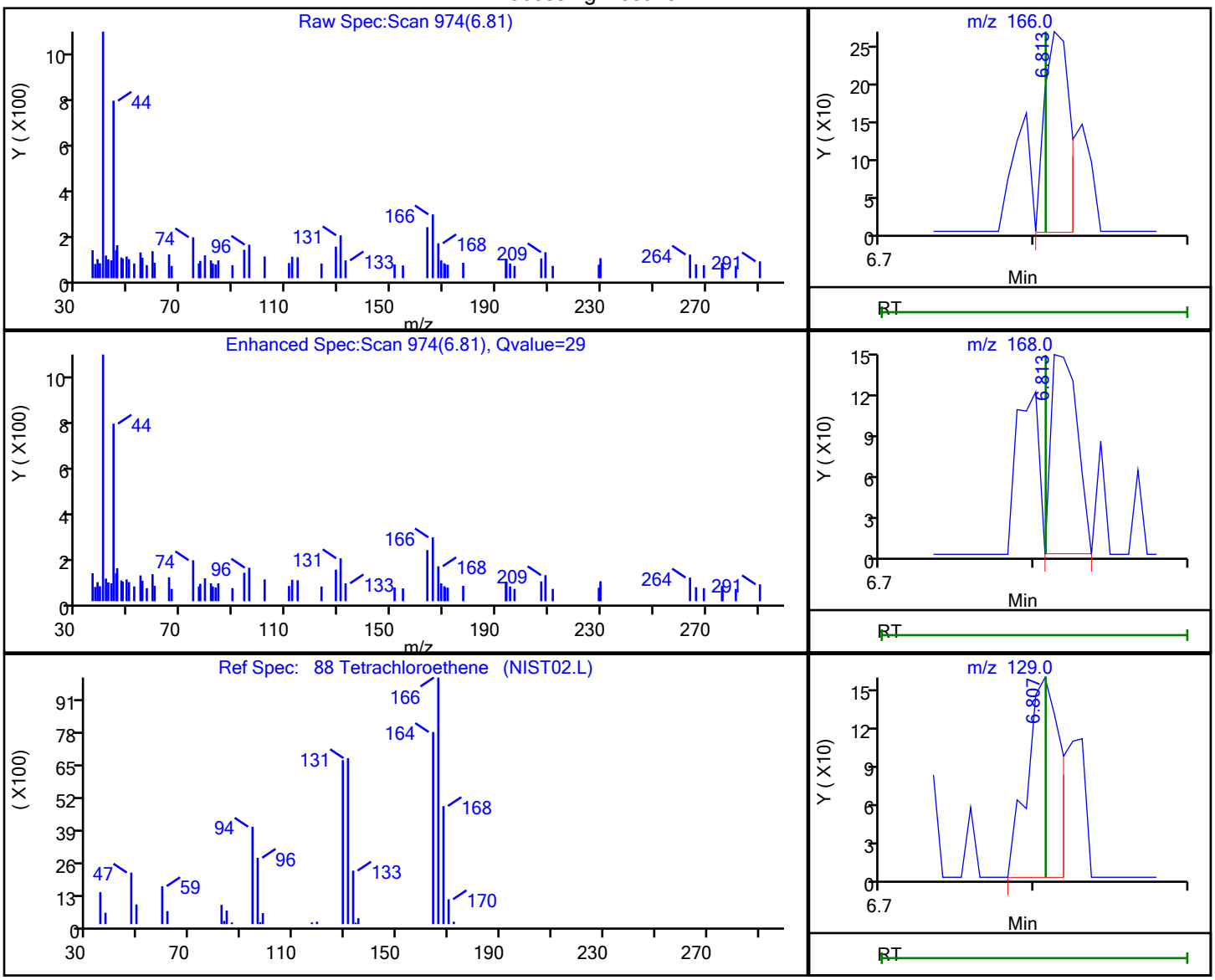
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

88 Tetrachloroethene, CAS: 127-18-4

Processing Results



RT	Mass	Response	Amount
6.81	166.00	302	0.130755
6.81	168.00	173	
6.81	129.00	238	

Reviewer: K0HS, 17-Jan-2023 12:20:29

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

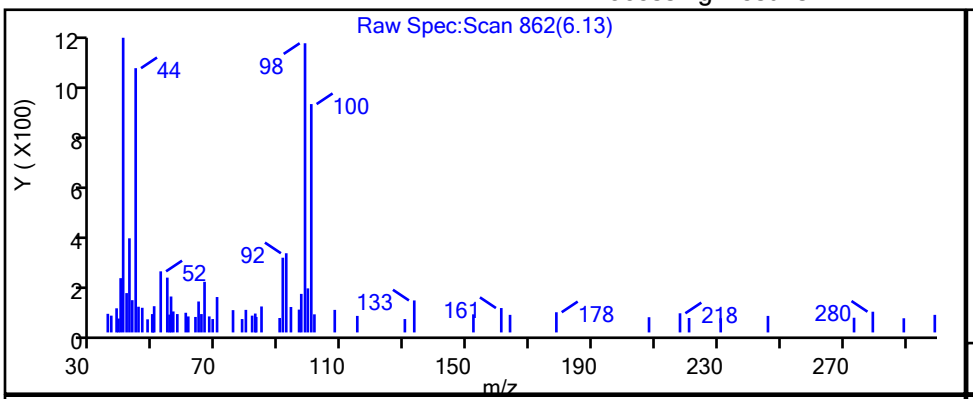
User Disabled Compound Report

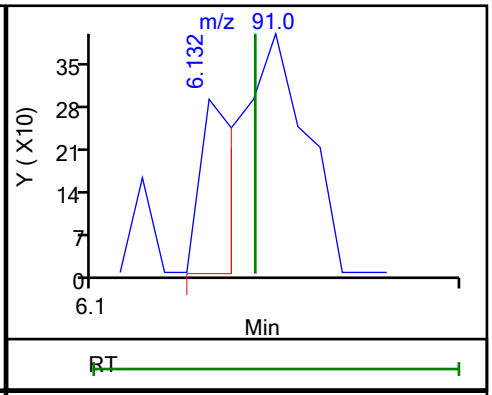
Eurofins Edison

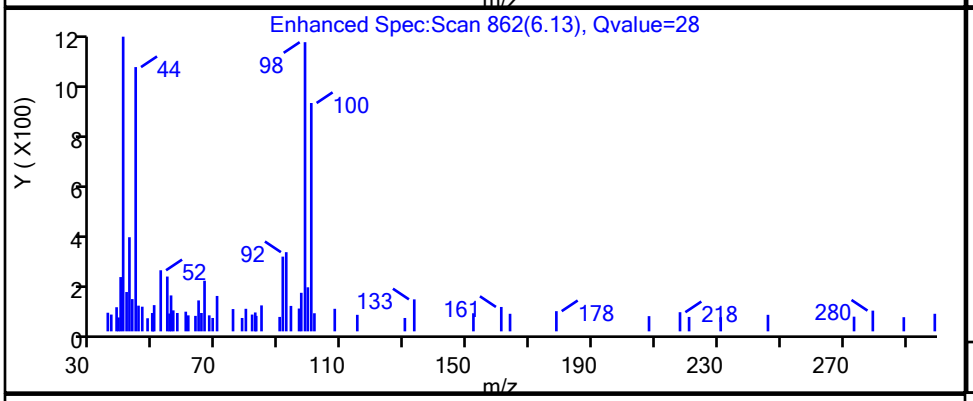
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

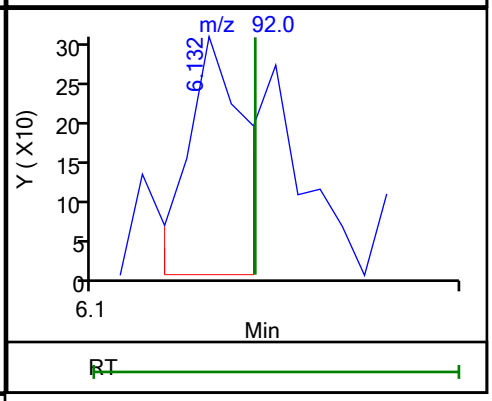
84 Toluene, CAS: 108-88-3

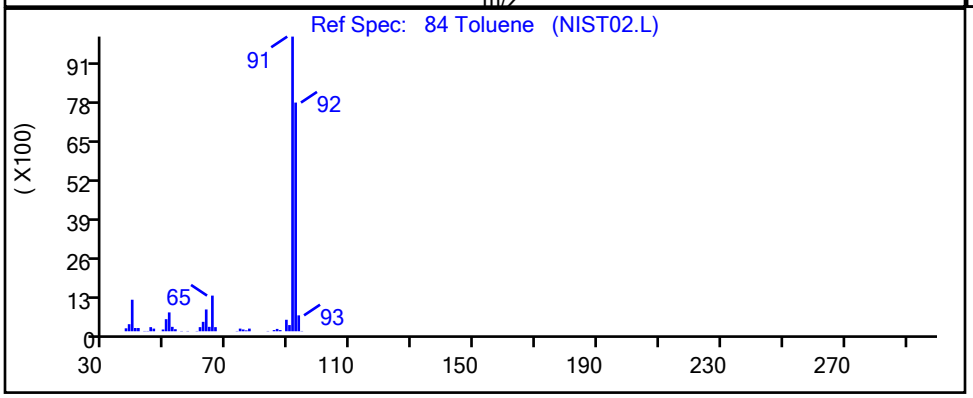
Processing Results











RT	Mass	Response	Amount
6.13	91.00	191	0.018759
6.13	92.00	336	

Reviewer: K0HS, 17-Jan-2023 12:20:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

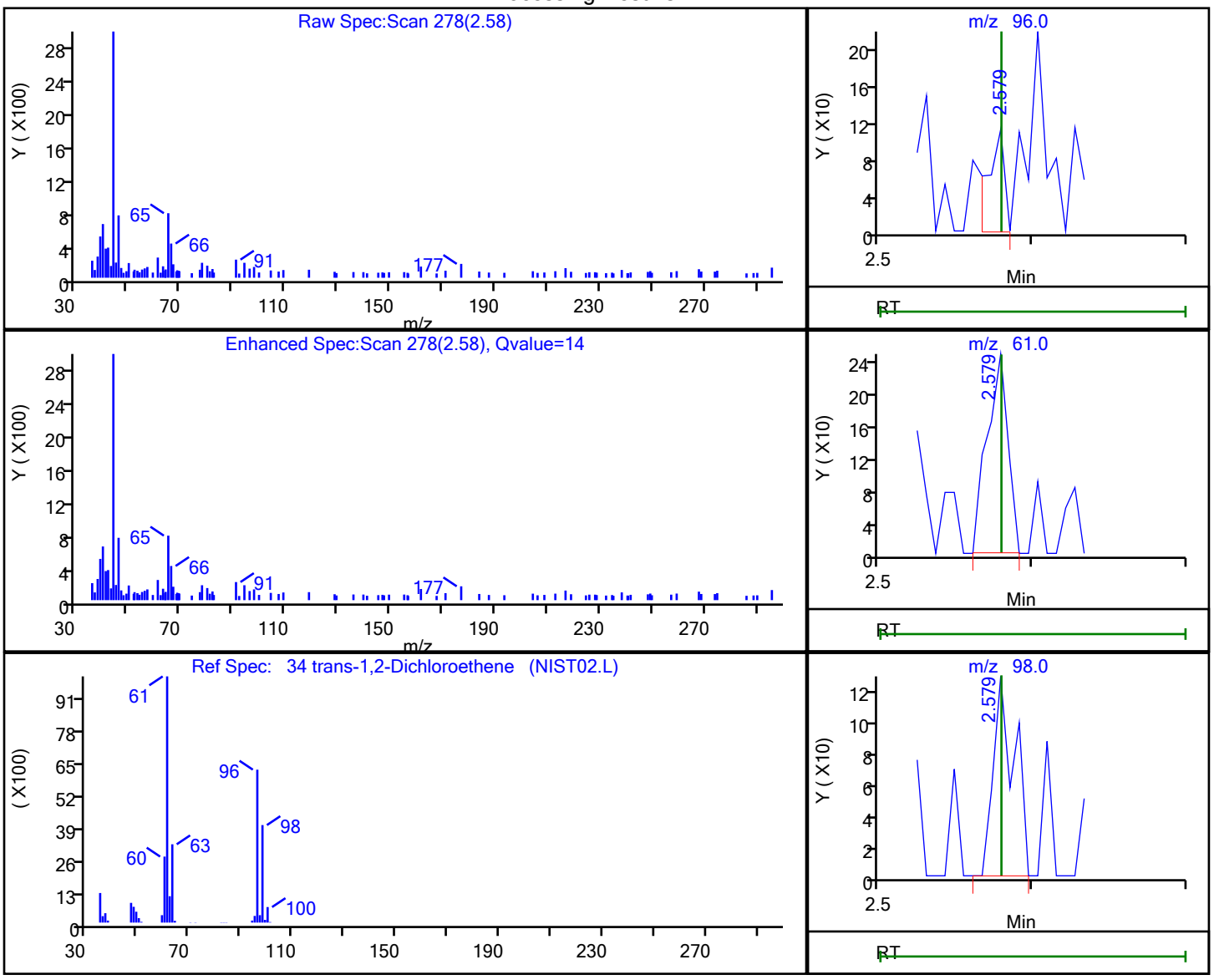
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Processing Results



RT	Mass	Response	Amount
2.58	96.00	83	0.033402
2.58	61.00	231	
2.58	98.00	124	

Reviewer: K0HS, 17-Jan-2023 12:19:34

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

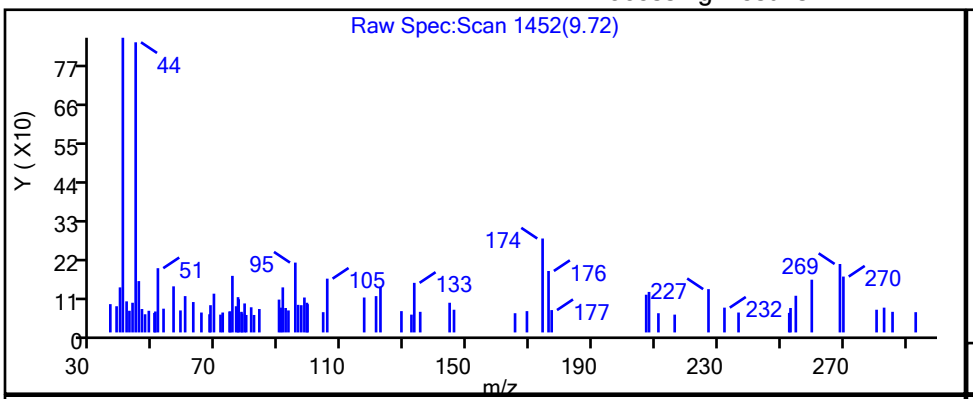
User Disabled Compound Report

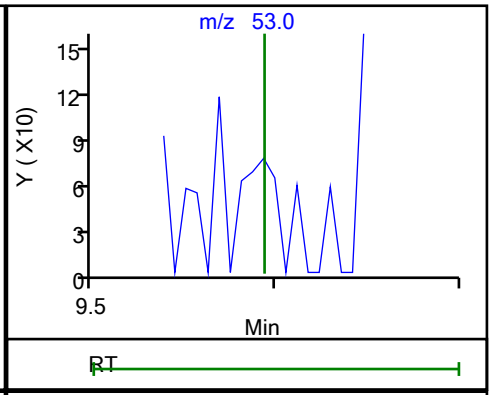
Eurofins Edison

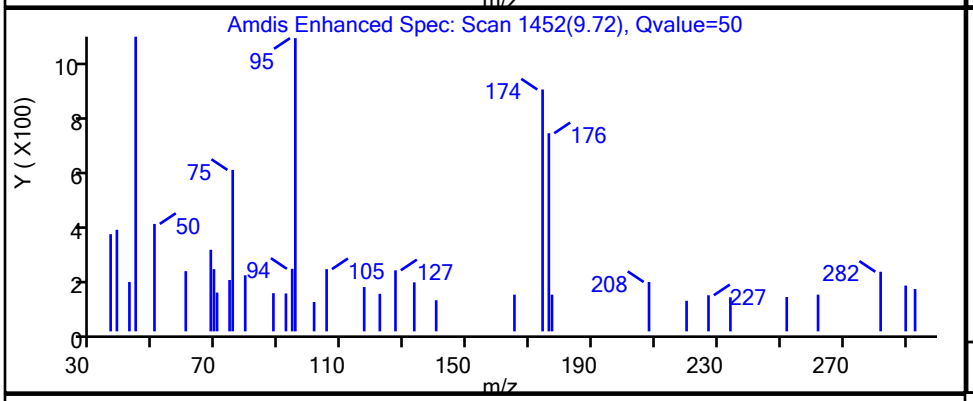
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

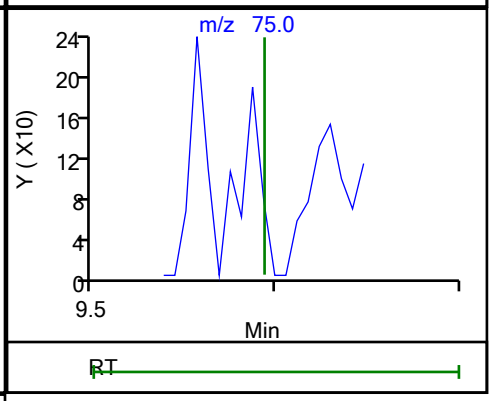
110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

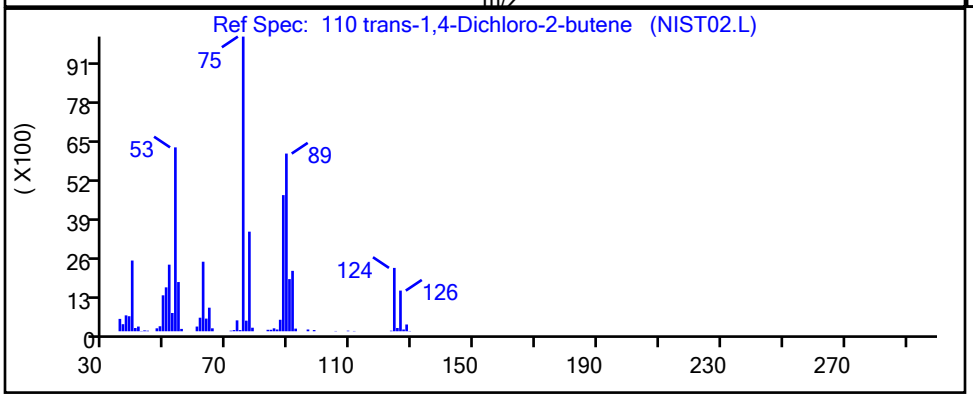
Processing Results











RT	Mass	Response	Amount
9.72	53.00	46	0.042146
9.71	75.00	291	

Reviewer: K0HS, 17-Jan-2023 12:22:10
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

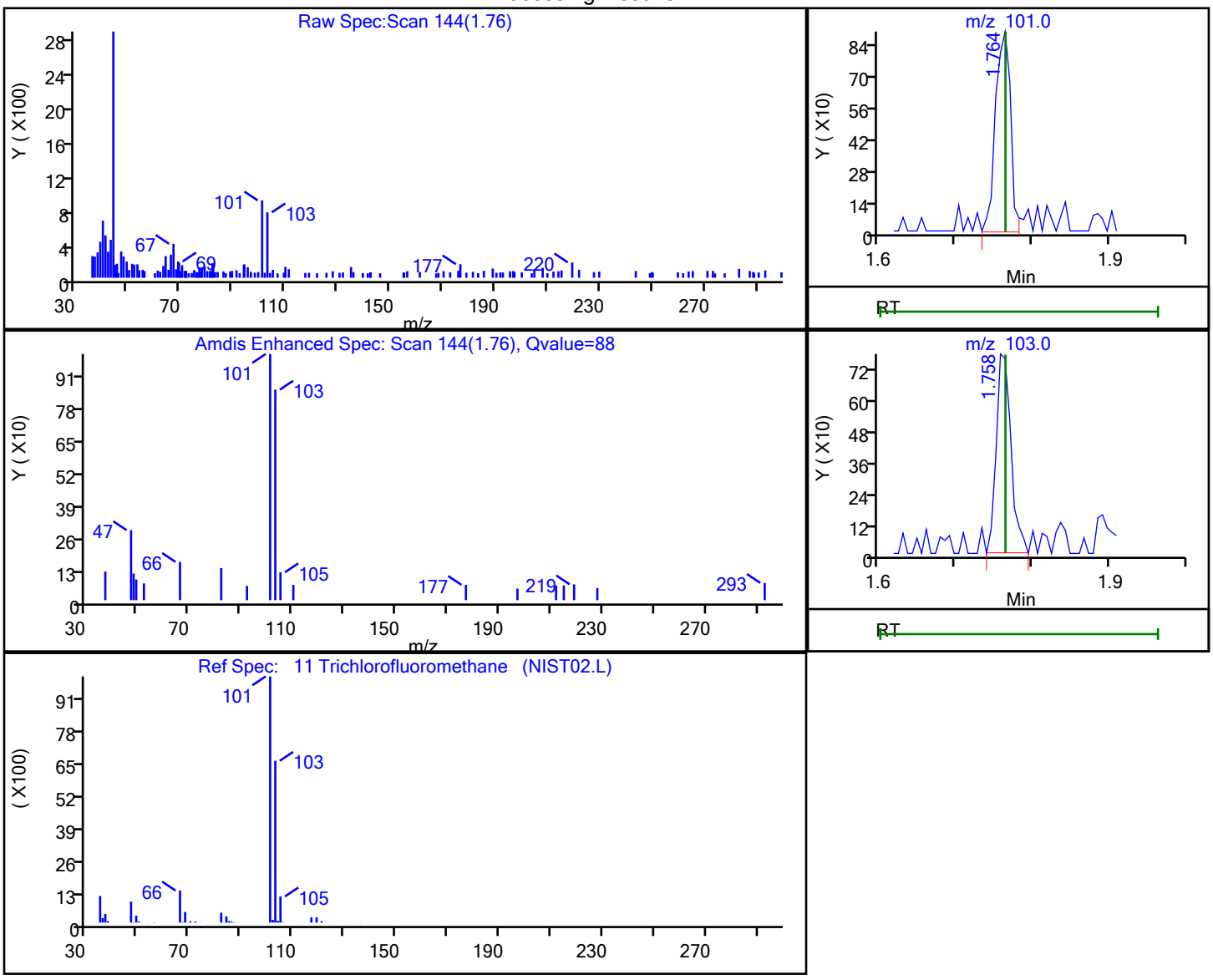
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
1.76	101.00	1221	0.264609
1.76	103.00	1046	

Reviewer: K0HS, 17-Jan-2023 12:19:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

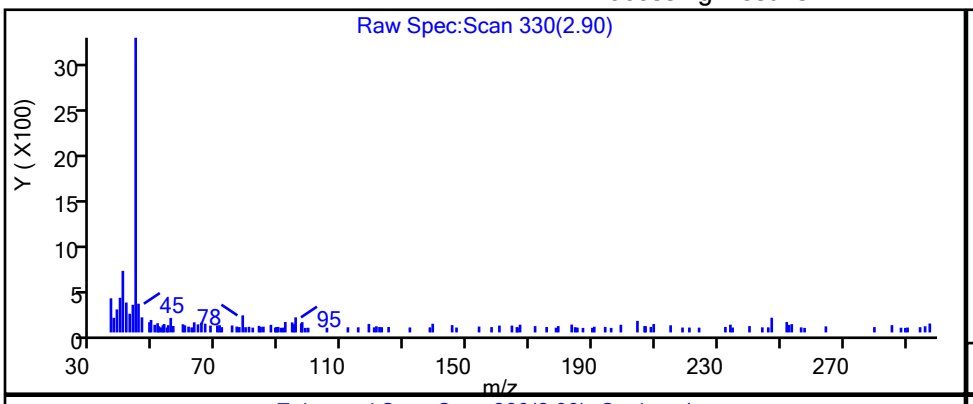
User Disabled Compound Report

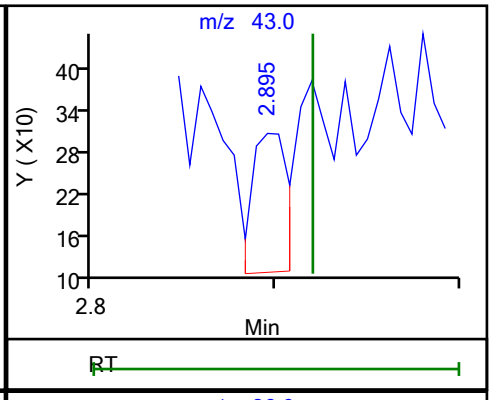
Eurofins Edison

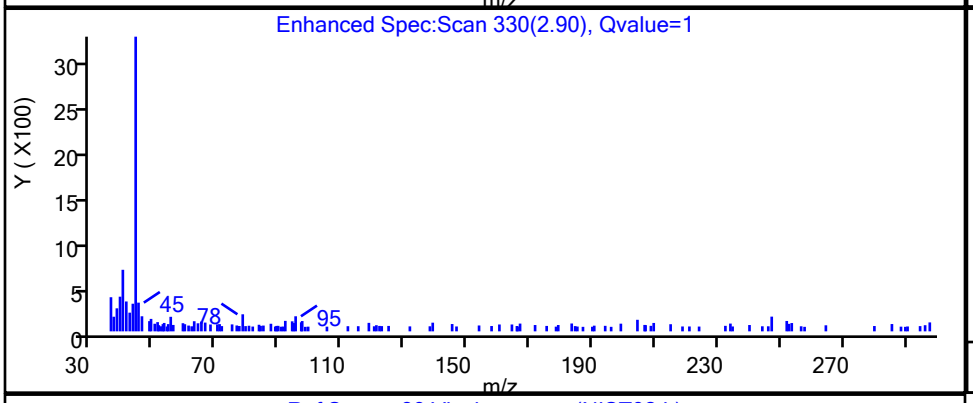
Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D				
Injection Date:	17-Jan-2023 10:29:30	Instrument ID:	CVOAMS8		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

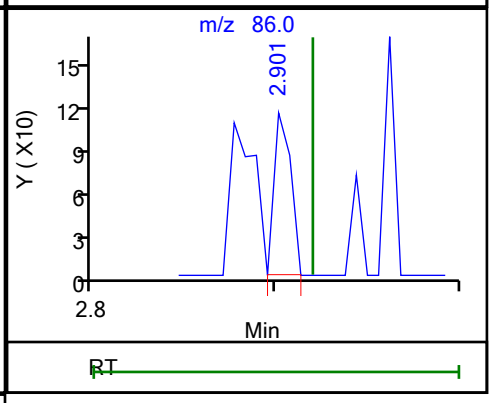
39 Vinyl acetate, CAS: 108-05-4

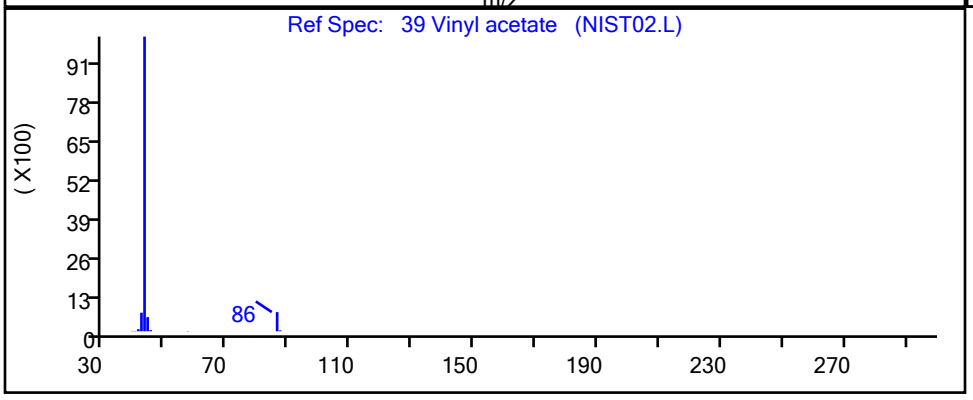
Processing Results











RT	Mass	Response	Amount
2.90	43.00	271	0.047995
2.90	86.00	73	

Reviewer: K0HS, 17-Jan-2023 12:19:41

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

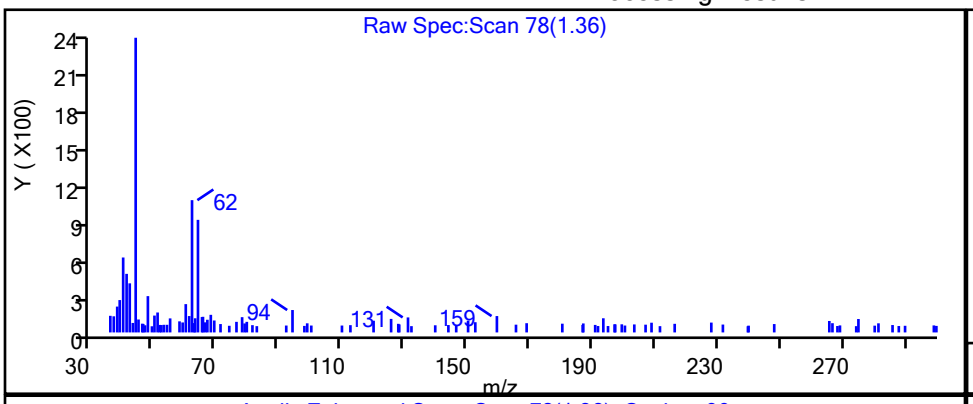
User Disabled Compound Report

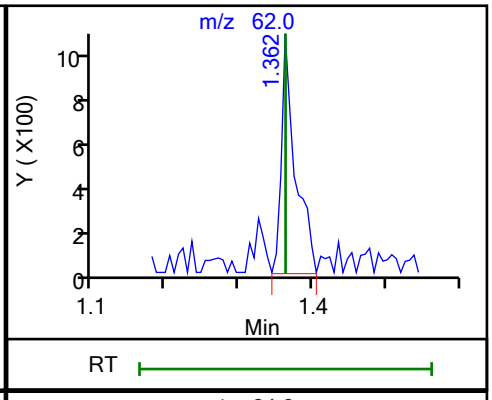
Eurofins Edison

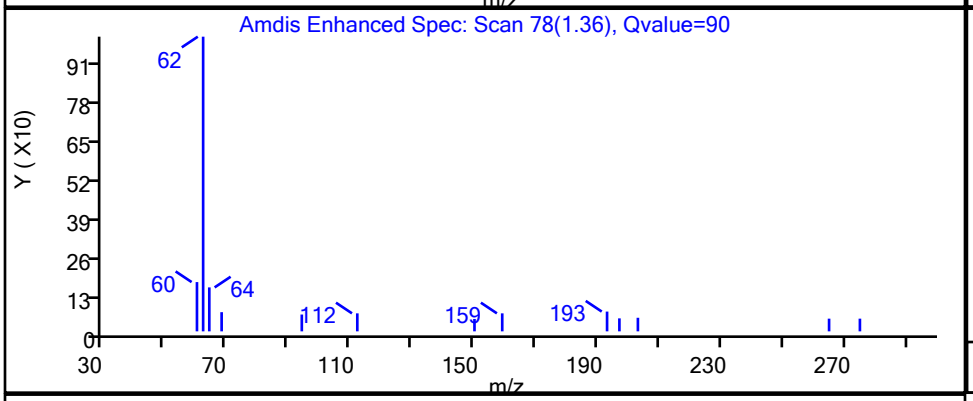
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85634.D
Injection Date: 17-Jan-2023 10:29:30 Instrument ID: CVOAMS8
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

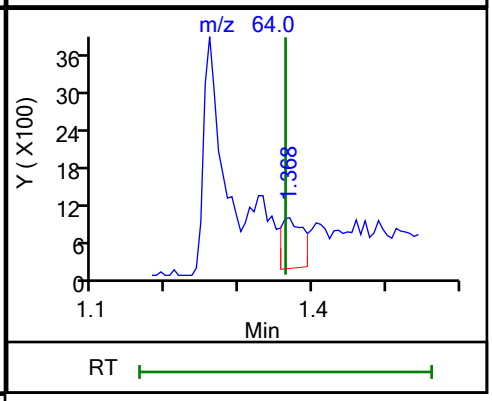
7 Vinyl chloride, CAS: 75-01-4

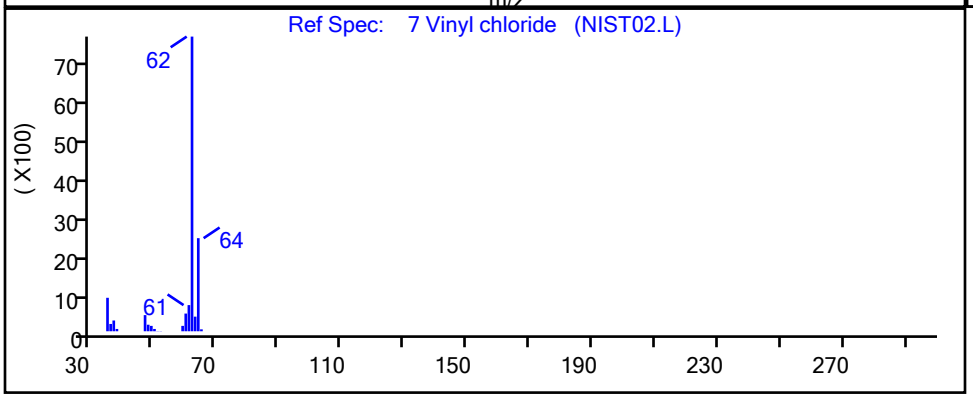
Processing Results











RT	Mass	Response	Amount
1.36	62.00	1407	0.308814
1.37	64.00	1755	

Reviewer: K0HS, 17-Jan-2023 12:19:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Jan-2023 11:13:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0155710-004
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:02 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 12:55:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.149	1.156	-0.007	88	315	1.00	0.99	
4 Dichlorodifluoromethane	85	1.180	1.180	0.000	97	4154	1.00	0.8408	
5 Chlorodifluoromethane	67	1.198	1.192	0.006	96	941	1.00	1.07	
6 Chloromethane	50	1.308	1.308	0.000	98	6842	1.00	1.01	
7 Vinyl chloride	62	1.362	1.363	-0.001	96	4778	1.00	1.06	
8 Butadiene	54	1.381	1.381	0.000	87	4450	1.00	0.9753	
9 Bromomethane	94	1.575	1.576	-0.001	92	984	1.00	0.5540	
10 Chloroethane	64	1.630	1.630	0.000	95	2520	1.00	1.08	
12 Dichlorofluoromethane	67	1.752	1.752	0.000	97	7301	1.00	1.05	
11 Trichlorofluoromethane	101	1.758	1.764	-0.006	97	5023	1.00	0.9837	
13 Pentane	43	1.794	1.795	-0.001	93	13856	2.00	1.84	
15 Ethyl ether	59	1.934	1.928	0.006	88	2468	1.00	0.8940	
16 2-Methyl-1,3-butadiene	53	1.952	1.947	0.005	91	3147	1.00	0.8125	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.958	1.959	-0.001	78	1916	1.00	0.8835	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.001	2.001	0.000	94	3849	1.00	0.8995	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.056	2.056	0.000	92	2616	1.00	0.9258	
19 Acrolein	56	2.062	2.062	0.000	60	1623	4.00	3.39	
21 1,1-Dichloroethene	96	2.086	2.093	-0.007	90	2249	1.00	0.9048	
22 Acetone	43	2.153	2.153	0.000	83	7453	5.00	6.22	
23 Iodomethane	142	2.208	2.208	0.000	97	775	1.00	0.2417	
25 Isopropyl alcohol	45	2.214	2.208	0.006	51	1468	10.0	10.3	M
24 Carbon disulfide	76	2.238	2.239	-0.001	99	10104	1.00	0.9685	
26 3-Chloro-1-propene	76	2.330	2.330	0.000	83	1759	1.00	0.9809	
28 Methyl acetate	43	2.336	2.336	0.000	95	7097	2.00	2.04	
27 Cyclopentene	67	2.348	2.348	0.000	90	6304	1.00	0.8820	
29 Acetonitrile	41	2.384	2.379	0.005	78	5598	10.0	10.5	a
* 30 TBA-d9 (IS)	65	2.409	2.415	-0.006	74	262282	1000.0	1000.0	
31 Methylene Chloride	84	2.433	2.433	0.000	96	3104	1.00	1.00	
32 2-Methyl-2-propanol	59	2.469	2.470	-0.001	95	1602	10.0	8.71	M
33 Methyl tert-butyl ether	73	2.555	2.555	0.000	94	7221	1.00	0.8704	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.579	2.579	0.000	95	2797	1.00	0.99	
35 Acrylonitrile	53	2.640	2.640	0.000	96	10605	10.0	8.69	
36 Hexane	57	2.707	2.707	0.000	87	3762	1.00	0.8869	
37 Isopropyl ether	45	2.877	2.877	0.000	96	12597	1.00	0.8761	
38 1,1-Dichloroethane	63	2.907	2.908	-0.001	98	6184	1.00	0.9199	
39 Vinyl acetate	43	2.914	2.920	-0.006	47	10158	2.00	1.45	M
40 2-Chloro-1,3-butadiene	88	2.944	2.950	-0.006	96	2399	1.00	0.9518	
41 Tert-butyl ethyl ether	59	3.151	3.145	0.006	86	7972	1.00	0.7950	
* 43 2-Butanone-d5	46	3.321	3.328	-0.007	85	438780	250.0	250.0	
42 2,2-Dichloropropane	79	3.333	3.334	-0.001	45	1540	1.00	0.9749	
44 cis-1,2-Dichloroethene	96	3.358	3.358	0.000	88	2690	1.00	0.8946	
46 2-Butanone (MEK)	72	3.370	3.376	-0.006	93	1228	5.00	4.51	
45 Ethyl acetate	70	3.370	3.382	-0.012	91	636	2.00	2.10	M
47 Methyl acrylate	55	3.425	3.425	0.000	98	3018	1.00	0.9649	
48 Propionitrile	54	3.498	3.492	0.006	97	3557	10.0	8.42	
50 Chlorobromomethane	128	3.564	3.565	-0.001	93	1569	1.00	1.07	
49 Tetrahydrofuran	72	3.577	3.565	0.012	48	473	2.00	1.58	
51 Methacrylonitrile	67	3.589	3.589	0.000	99	10194	10.0	8.37	
52 Chloroform	83	3.607	3.607	0.000	94	5123	1.00	0.8819	
53 Cyclohexane	84	3.729	3.723	0.006	95	3378	1.00	0.8928	
54 1,1,1-Trichloroethane	97	3.741	3.741	0.000	73	4156	1.00	0.8931	
$ 55 Dibromofluoromethane (Surr)	113	3.753	3.753	0.000	94	140586	50.0	50.3	
56 Carbon tetrachloride	117	3.844	3.851	-0.007	93	3649	1.00	0.9122	
57 1,1-Dichloropropene	75	3.881	3.881	0.000	87	4028	1.00	0.9057	
58 Isobutyl alcohol	43	4.027	4.009	0.018	39	3526	25.0	19.4	a
59 Isooctane	57	4.027	4.033	-0.006	97	6024	1.00	0.7881	
60 Benzene	78	4.069	4.070	-0.001	96	11284	1.00	0.9350	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.082	4.082	0.000	0	208687	50.0	47.5	
62 Isopropyl acetate	43	4.130	4.125	0.005	91	9257	1.00	0.7353	
63 Tert-amyl methyl ether	55	4.136	4.125	0.011	68	2653	1.00	0.9287	M
64 1,2-Dichloroethane	62	4.155	4.155	0.000	93	5041	1.00	0.8999	
65 n-Heptane	57	4.209	4.216	-0.007	93	1626	1.00	0.9225	
* 66 Fluorobenzene	96	4.343	4.344	-0.001	96	599867	50.0	50.0	
68 Trichloroethene	95	4.696	4.690	0.006	93	2854	1.00	0.9135	
69 Methylcyclohexane	83	4.812	4.812	0.000	82	3262	1.00	0.8120	
70 Ethyl acrylate	55	4.818	4.818	0.000	90	6561	1.00	0.7478	
71 1,2-Dichloropropane	63	4.982	4.982	0.000	81	3410	1.00	0.8720	
* 72 1,4-Dioxane-d8	96	5.055	5.055	0.000	0	28700	1000.0	1000.0	
73 Methyl methacrylate	100	5.067	5.074	-0.007	87	1306	2.00	2.09	
75 1,4-Dioxane	88	5.110	5.116	-0.006	29	462	50.0	57.7	M
74 Dibromomethane	93	5.116	5.116	0.000	92	1738	1.00	0.8336	
76 n-Propyl acetate	43	5.140	5.134	0.006	96	4508	1.00	0.7140	
77 Dichlorobromomethane	83	5.280	5.274	0.006	96	4022	1.00	0.8767	
78 2-Nitropropane	41	5.639	5.633	0.006	84	2477	2.00	2.09	
79 2-Chloroethyl vinyl ether	63	5.639	5.639	0.000	75	1640	1.00	0.8039	
80 Epichlorohydrin	57	5.755	5.749	0.006	97	4683	20.0	17.1	
81 cis-1,3-Dichloropropene	75	5.797	5.804	-0.007	92	4591	1.00	0.8570	
82 4-Methyl-2-pentanone (MIBK)	43	5.992	5.992	0.000	98	14239	5.00	3.69	
$ 83 Toluene-d8 (Surr)	98	6.059	6.059	0.000	96	486373	50.0	49.5	
84 Toluene	91	6.138	6.144	-0.006	92	11176	1.00	0.9368	
85 trans-1,3-Dichloropropene	75	6.539	6.540	-0.001	96	4050	1.00	0.8340	
86 Ethyl methacrylate	69	6.594	6.588	0.006	91	2806	1.00	0.7772	

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	6.777	6.777	0.000	85	2240	1.00	0.9031	
88 Tetrachloroethene	166	6.813	6.807	0.006	89	2750	1.00	1.06	
89 1,3-Dichloropropane	76	7.002	7.008	-0.006	88	4465	1.00	0.9486	
90 2-Hexanone	58	7.099	7.099	0.000	95	4113	5.00	3.85	
91 n-Butyl acetate	43	7.245	7.239	0.006	94	5476	1.00	0.8330	
92 Chlorodibromomethane	129	7.257	7.258	-0.001	90	2562	1.00	0.8820	
93 Ethylene Dibromide	107	7.421	7.422	-0.001	92	2451	1.00	0.9251	
* 94 Chlorobenzene-d5	117	8.005	8.012	-0.007	94	434941	50.0	50.0	
95 Chlorobenzene	112	8.048	8.042	0.006	93	6571	1.00	0.8952	
96 Ethylbenzene	106	8.151	8.152	-0.001	98	3492	1.00	0.9207	
97 1,1,1,2-Tetrachloroethane	131	8.164	8.170	-0.006	89	2528	1.00	0.9353	
98 m-Xylene & p-Xylene	106	8.310	8.304	0.006	0	4036	1.00	0.8846	
99 o-Xylene	106	8.754	8.754	0.000	90	3640	1.00	0.8048	
100 n-Butyl acrylate	73	8.772	8.772	0.000	94	1441	1.00	0.5964	
101 Styrene	104	8.790	8.791	-0.001	88	5429	1.00	0.7030	
103 Bromoform	173	8.997	8.997	0.000	85	1533	1.00	0.8348	
102 Amyl acetate (mixed isomers)	43	9.021	9.016	0.005	83	4712	1.00	0.6554	
104 Isopropylbenzene	105	9.131	9.137	-0.006	97	8692	1.00	0.7837	
$ 105 4-Bromofluorobenzene	174	9.332	9.332	0.000	83	140341	50.0	48.3	
106 Bromobenzene	156	9.459	9.460	-0.001	89	2884	1.00	0.9639	
107 1,1,2,2-Tetrachloroethane	83	9.526	9.527	-0.001	98	3453	1.00	0.9585	
108 N-Propylbenzene	91	9.545	9.545	0.000	97	12077	1.00	0.8610	
109 1,2,3-Trichloropropane	110	9.563	9.563	0.000	93	707	1.00	0.8876	
110 trans-1,4-Dichloro-2-butene	53	9.593	9.594	-0.001	73	1140	1.00	0.8484	
111 2-Chlorotoluene	91	9.636	9.642	-0.006	97	8758	1.00	0.8576	
112 4-Ethyltoluene	105	9.654	9.654	0.000	96	9373	1.00	0.8319	
113 1,3,5-Trimethylbenzene	105	9.721	9.721	0.000	90	7806	1.00	0.8265	
114 4-Chlorotoluene	91	9.751	9.752	-0.001	98	8531	1.00	0.8862	
115 Butyl Methacrylate	87	9.837	9.837	0.000	88	2219	1.00	0.6140	
116 tert-Butylbenzene	119	10.001	10.001	0.000	86	6106	1.00	0.8449	
117 1,2,4-Trimethylbenzene	105	10.056	10.056	0.000	98	8025	1.00	0.8112	
118 sec-Butylbenzene	105	10.189	10.196	-0.007	97	8855	1.00	0.8196	
120 1,3-Dichlorobenzene	146	10.317	10.317	0.000	88	4976	1.00	0.8993	
119 4-Isopropyltoluene	119	10.323	10.324	-0.001	95	7119	1.00	0.7837	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	97	232920	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.402	10.403	-0.001	88	5351	1.00	0.9328	a
123 1,2,3-Trimethylbenzene	105	10.421	10.421	0.000	98	9287	1.00	0.8644	
124 Benzyl chloride	91	10.530	10.530	0.000	96	4746	1.00	0.8174	
125 2,3-Dihydroindene	117	10.585	10.585	0.000	93	8197	1.00	0.8315	
126 p-Diethylbenzene	119	10.646	10.646	0.000	90	4667	1.00	0.8202	
127 n-Butylbenzene	92	10.664	10.664	0.000	96	4264	1.00	0.8322	
128 1,2-Dichlorobenzene	146	10.713	10.713	0.000	92	5113	1.00	0.9337	
129 1,2,4,5-Tetramethylbenzene	119	11.272	11.273	-0.001	94	6674	1.00	0.7520	
130 1,2-Dibromo-3-Chloropropane	157	11.351	11.352	-0.001	81	514	1.00	0.8913	
131 1,3,5-Trichlorobenzene	180	11.461	11.461	0.000	94	3189	1.00	0.8663	
132 1,2,4-Trichlorobenzene	180	11.941	11.936	0.005	92	2863	1.00	0.8558	
133 Hexachlorobutadiene	225	12.021	12.021	-0.001	85	1086	1.00	0.9051	
134 Naphthalene	128	12.124	12.124	0.000	97	6835	1.00	0.8199	
135 1,2,3-Trichlorobenzene	180	12.294	12.295	-0.001	92	2565	1.00	0.8425	a
S 136 1,2-Dichloroethene, Total	100				0		2.00	1.89	
S 137 Xylenes, Total	100				0		2.00	1.69	
S 138 Total BTEX	1				0		5.00	4.48	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

524freon_00062	Amount Added:	10.00	Units: uL	
GASES Li_00511	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00164	Amount Added:	10.00	Units: uL	
ACROLEIN W_00148	Amount Added:	4.00	Units: uL	
14DIOXINTER_00150	Amount Added:	30.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jan-2023 21:27:03 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D

Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8 Operator ID:

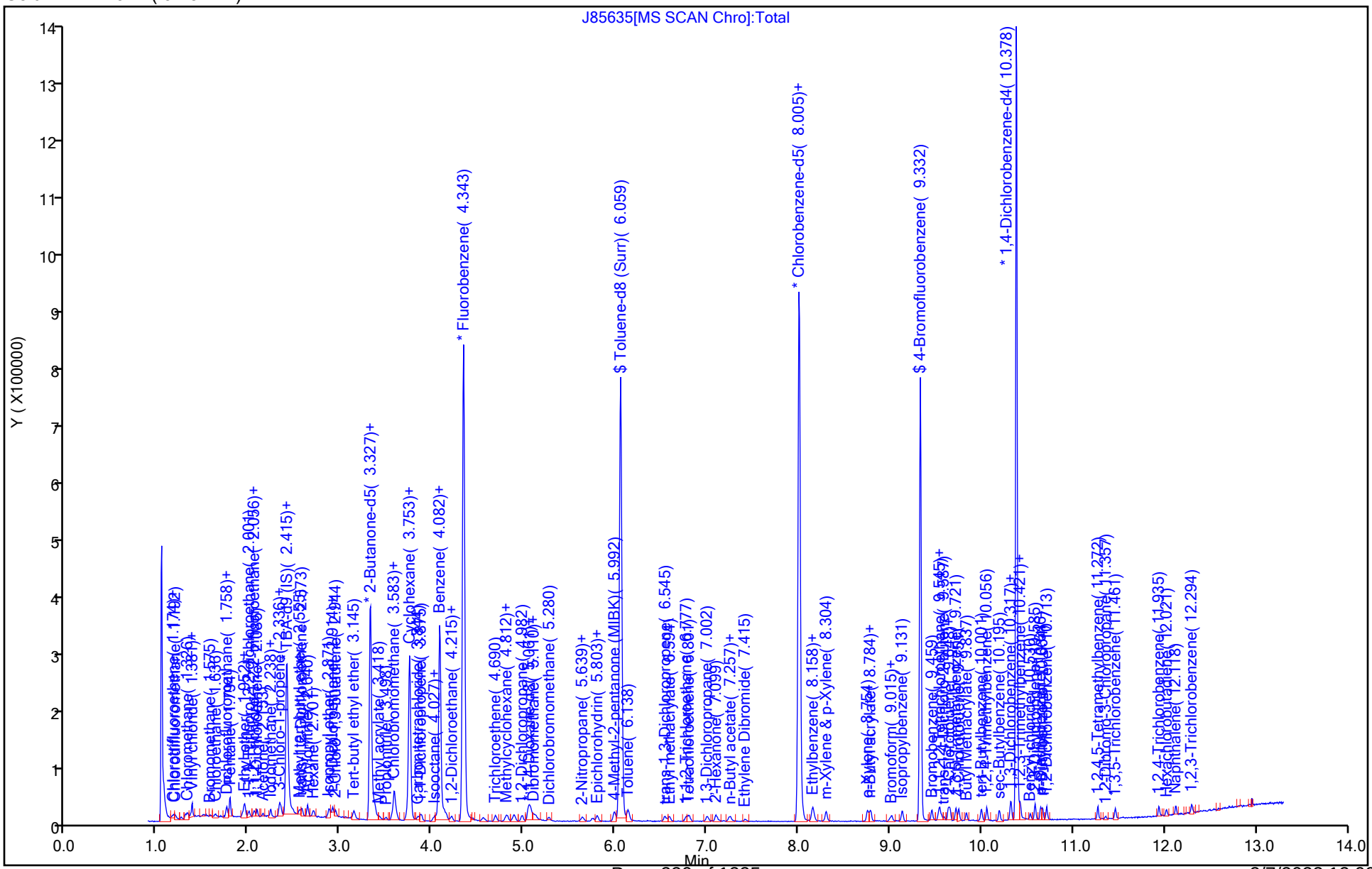
Lims ID: STD1 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

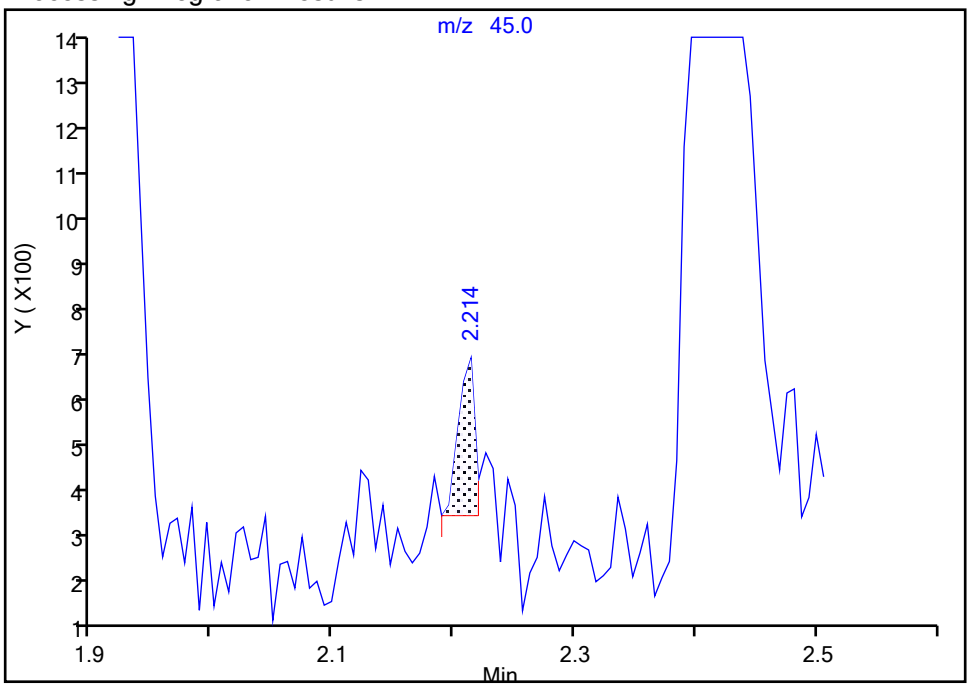
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

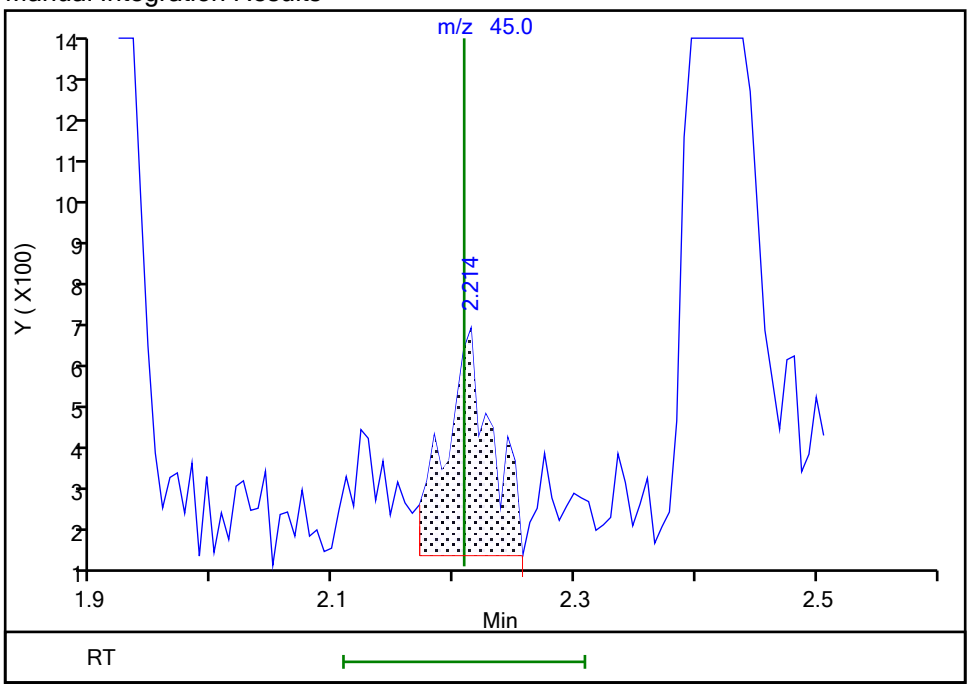
Processing Integration Results

RT: 2.21
Area: 329
Amount: 2.544296
Amount Units: ug/l



Manual Integration Results

RT: 2.21
Area: 1468
Amount: 10.341809
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:52:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

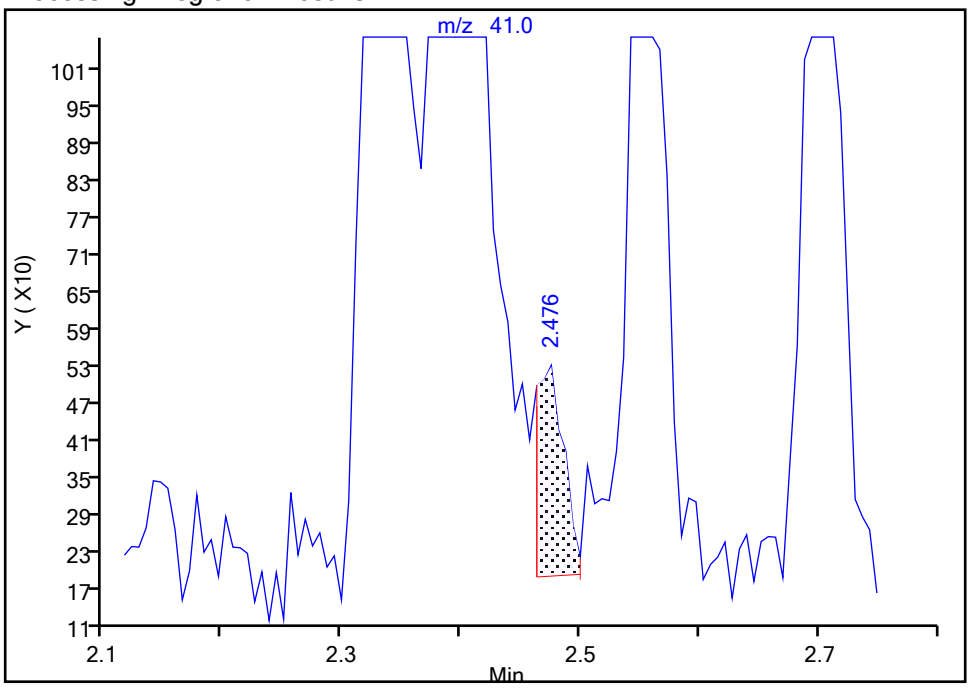
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

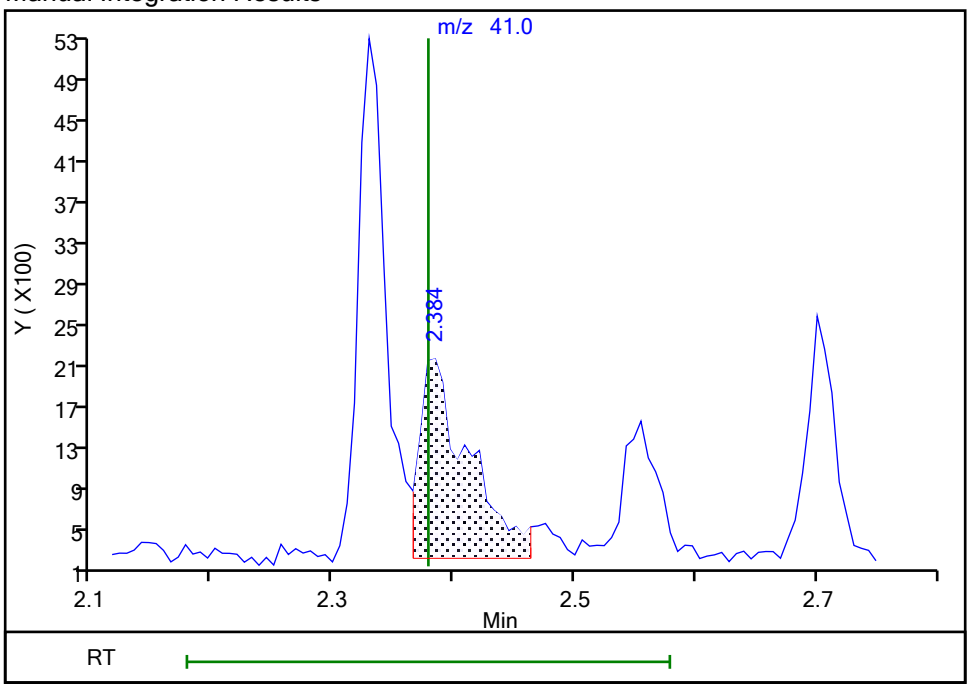
Processing Integration Results

RT: 2.48
Area: 545
Amount: 1.044195
Amount Units: ug/l



Manual Integration Results

RT: 2.38
Area: 5598
Amount: 10.463262
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:53:03
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

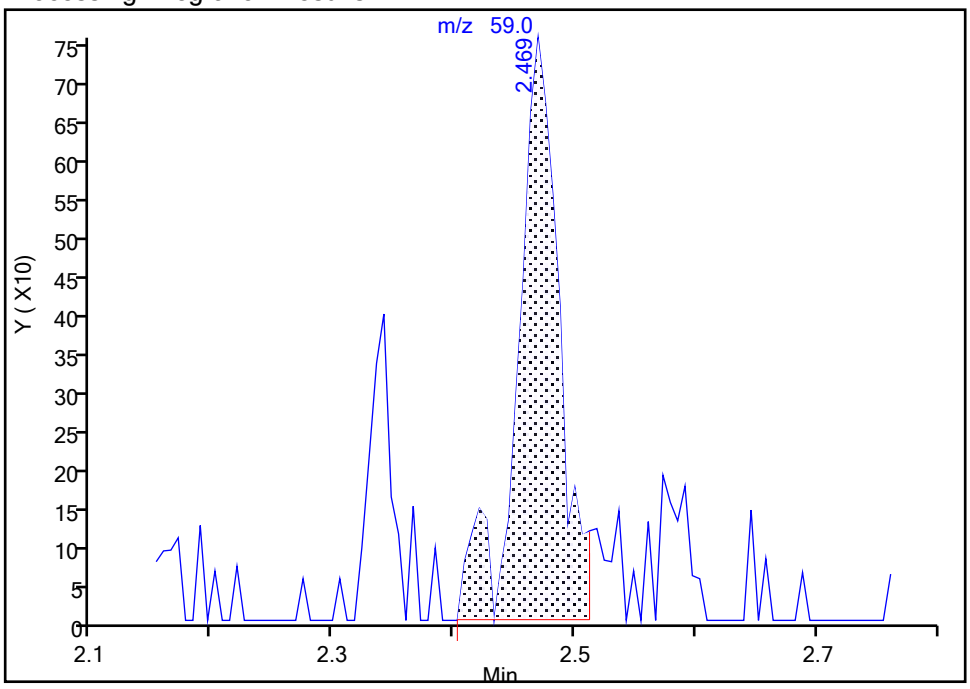
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

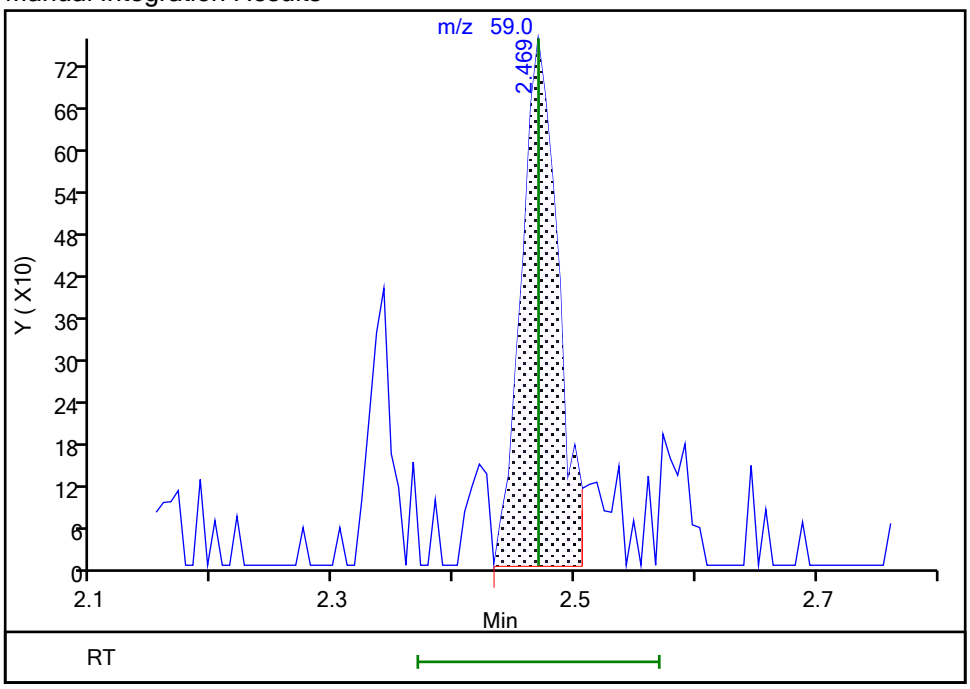
Processing Integration Results

RT: 2.47
Area: 1814
Amount: 9.681033
Amount Units: ug/l



Manual Integration Results

RT: 2.47
Area: 1602
Amount: 8.713940
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:03:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

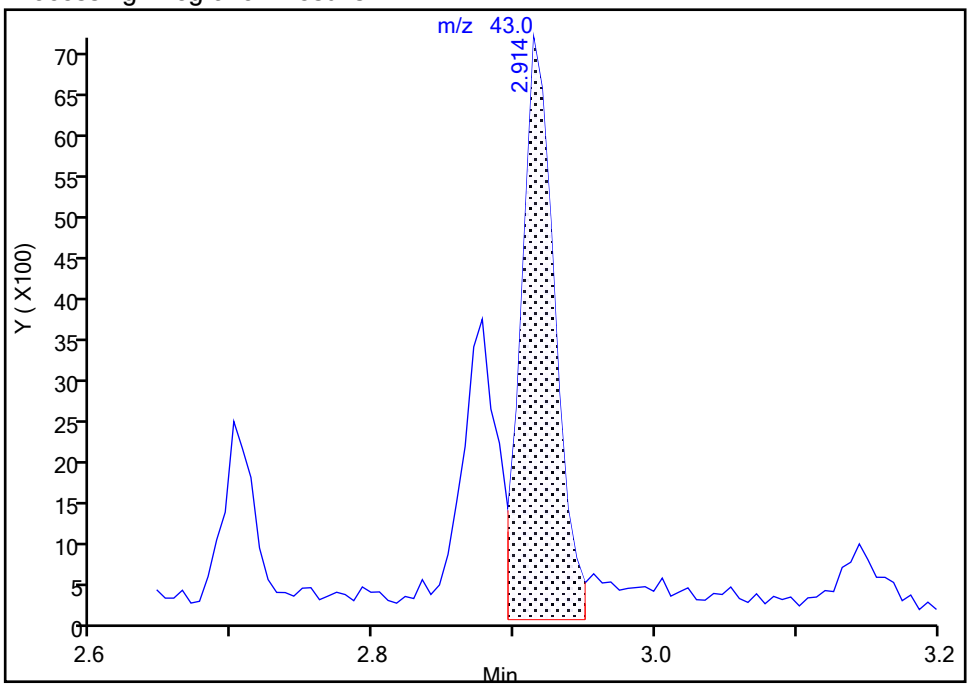
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

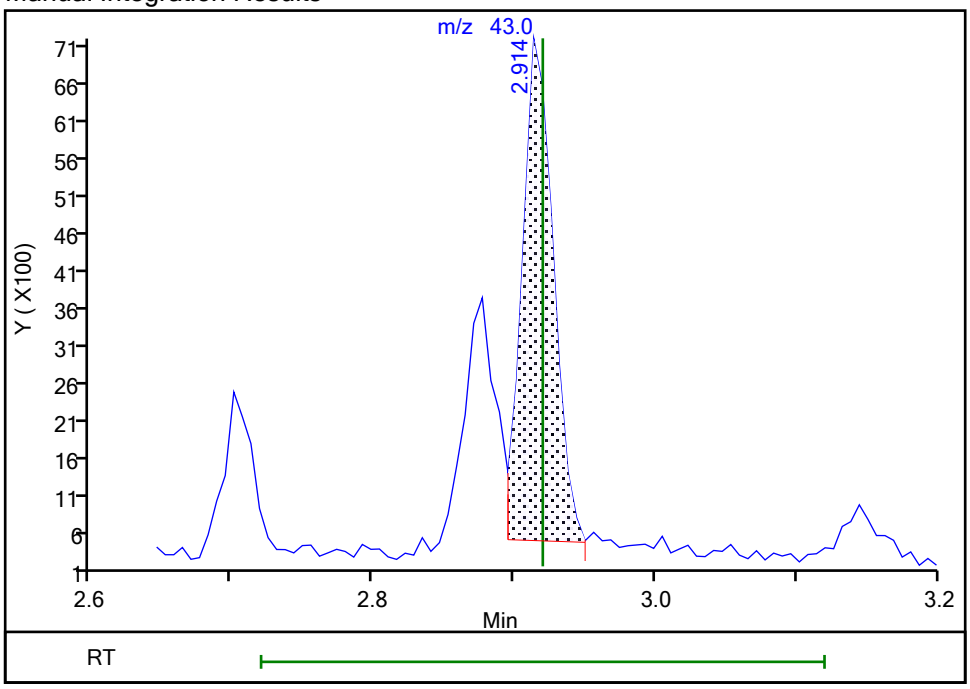
Processing Integration Results

RT: 2.91
Area: 11795
Amount: 1.655495
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 10158
Amount: 1.453564
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:03:55
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Edison

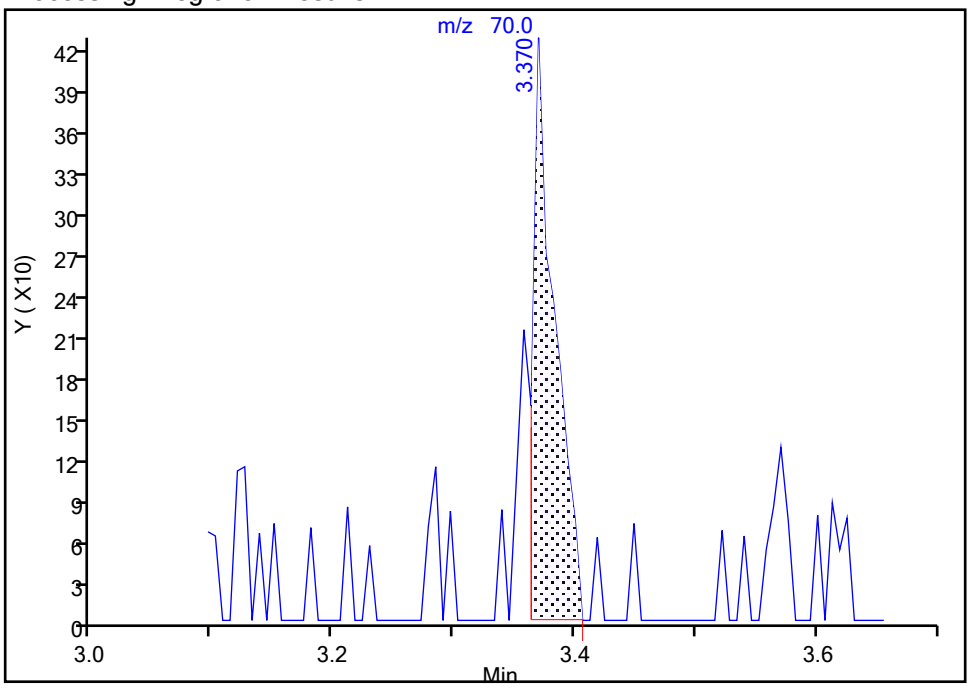
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

45 Ethyl acetate, CAS: 141-78-6

Signal: 1

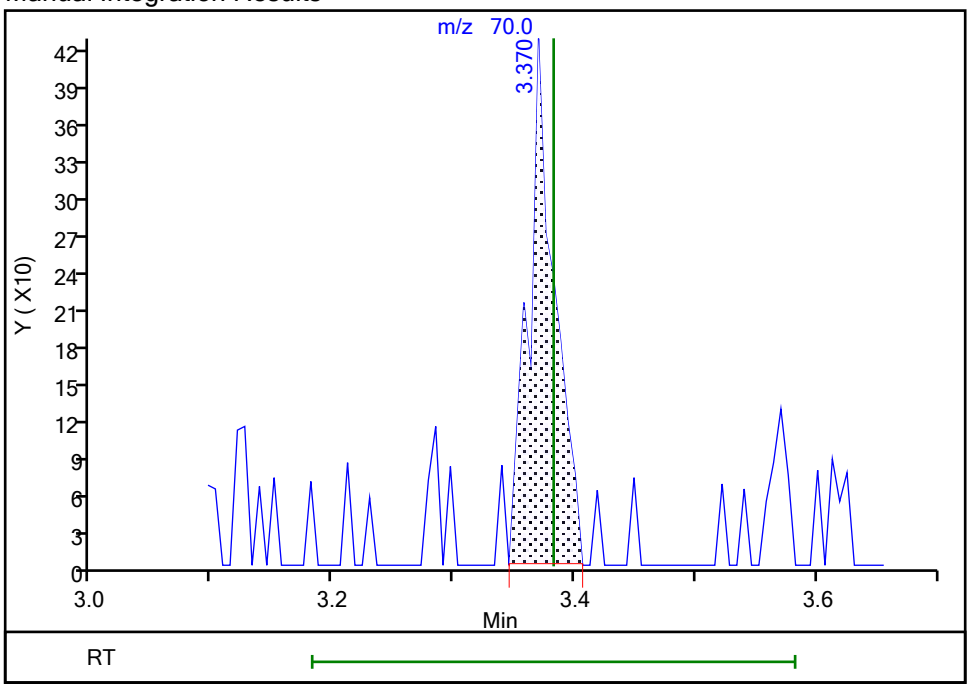
Processing Integration Results

RT: 3.37
Area: 526
Amount: 1.793043
Amount Units: ug/l



Manual Integration Results

RT: 3.37
Area: 636
Amount: 2.102322
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:04:10
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

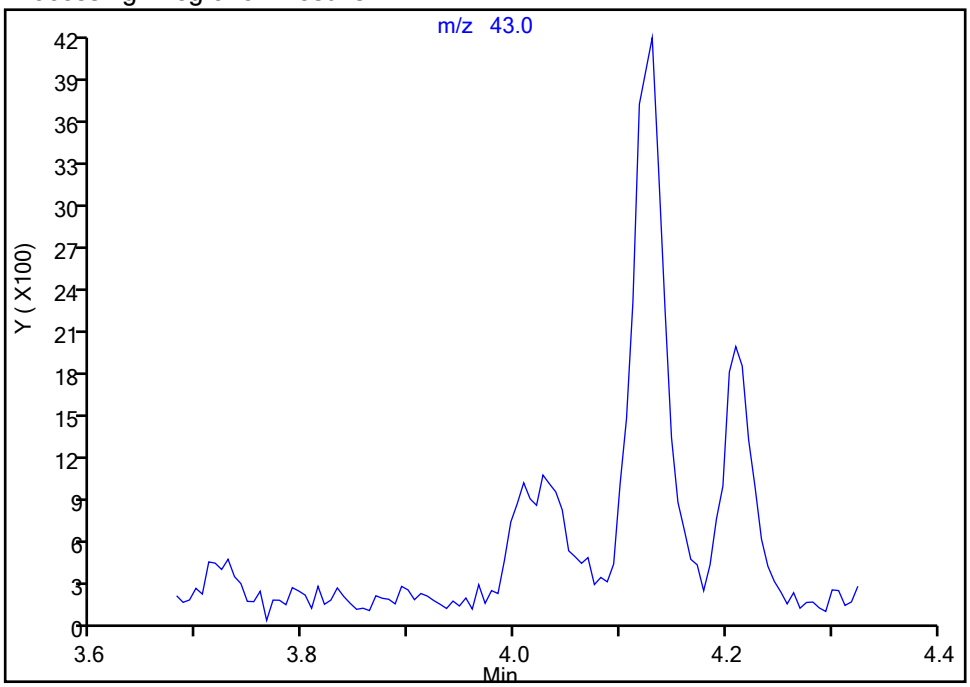
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

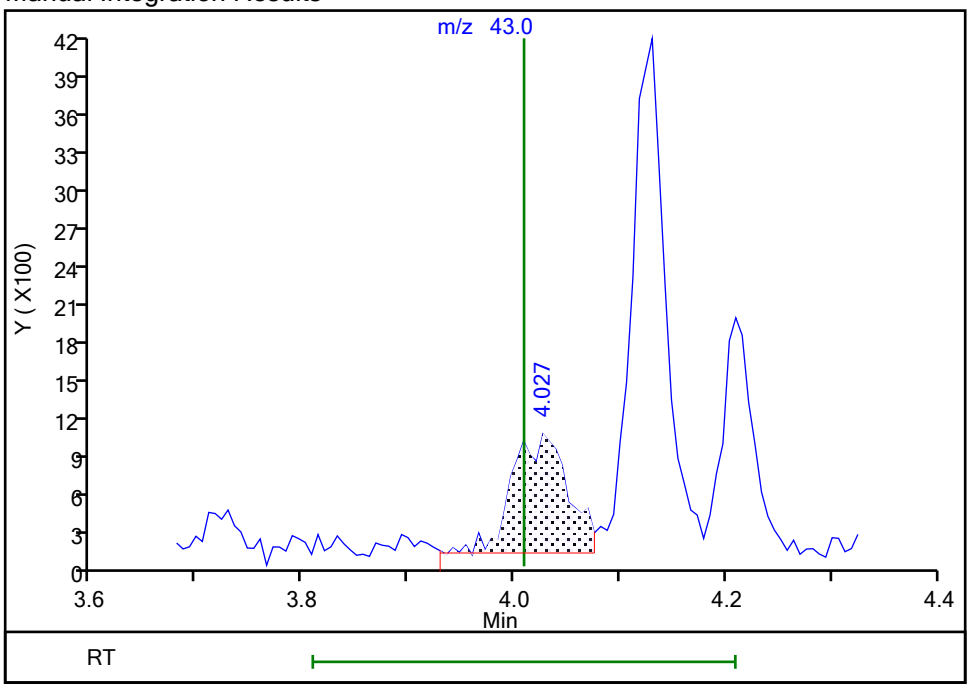
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 3526
Amount: 19.449482
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:53:20
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison

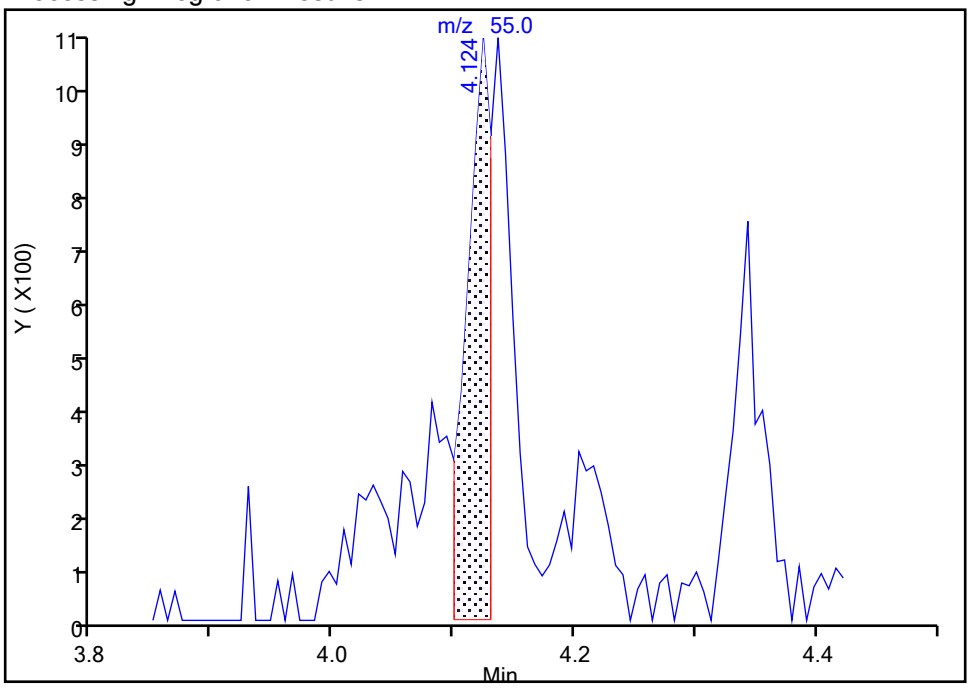
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

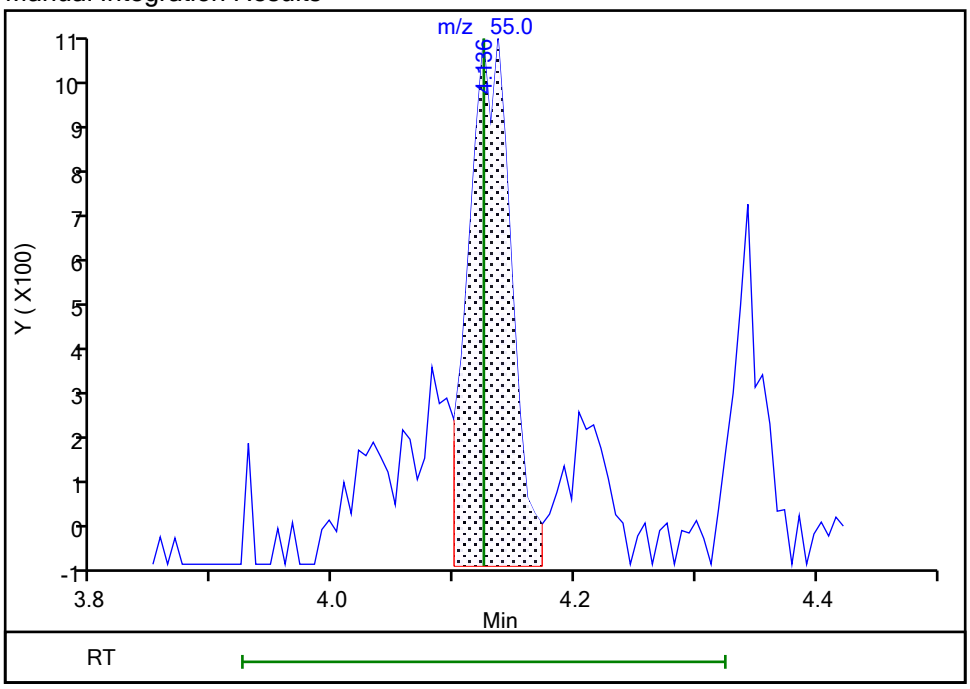
Processing Integration Results

RT: 4.12
Area: 1517
Amount: 0.483462
Amount Units: ug/l



Manual Integration Results

RT: 4.14
Area: 2653
Amount: 0.928710
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:53:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

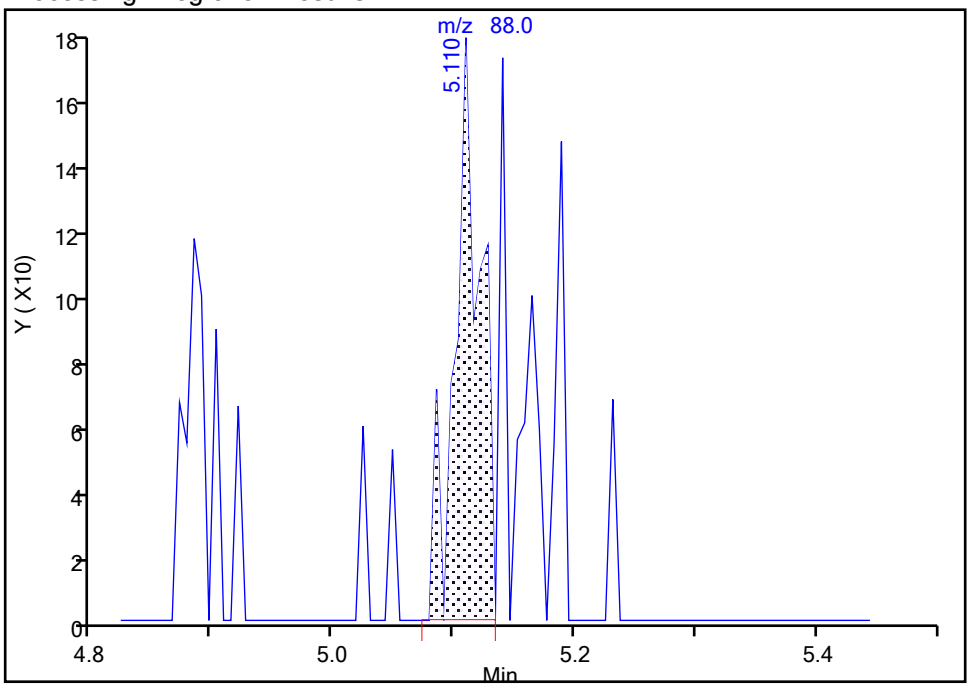
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 1,4-Dioxane, CAS: 123-91-1

Signal: 1

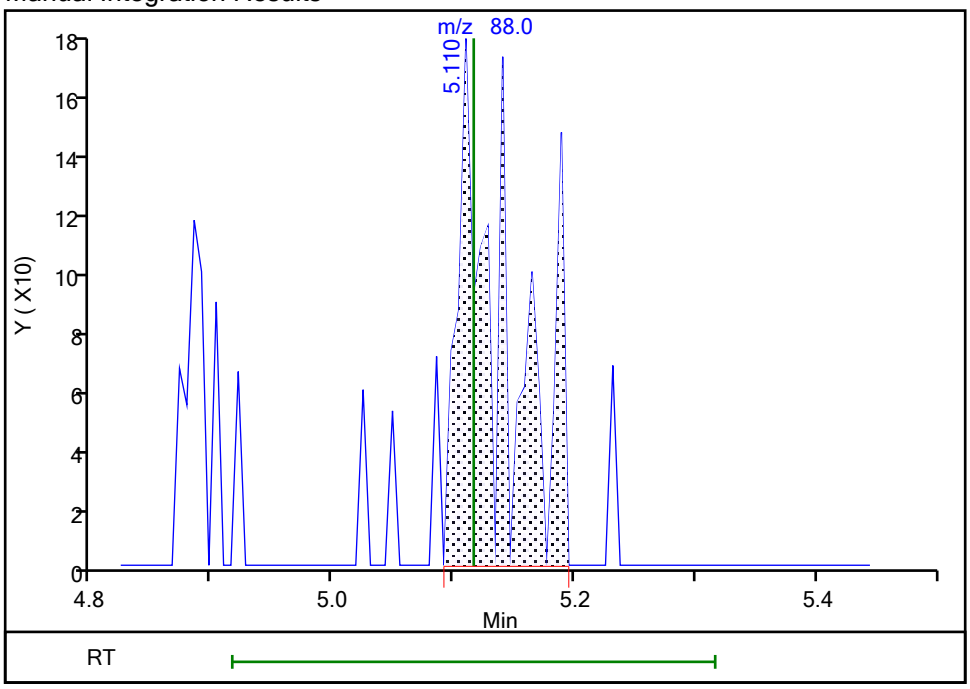
Processing Integration Results

RT: 5.11
Area: 257
Amount: 18.951681
Amount Units: ug/l



Manual Integration Results

RT: 5.11
Area: 462
Amount: 57.705828
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:46:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

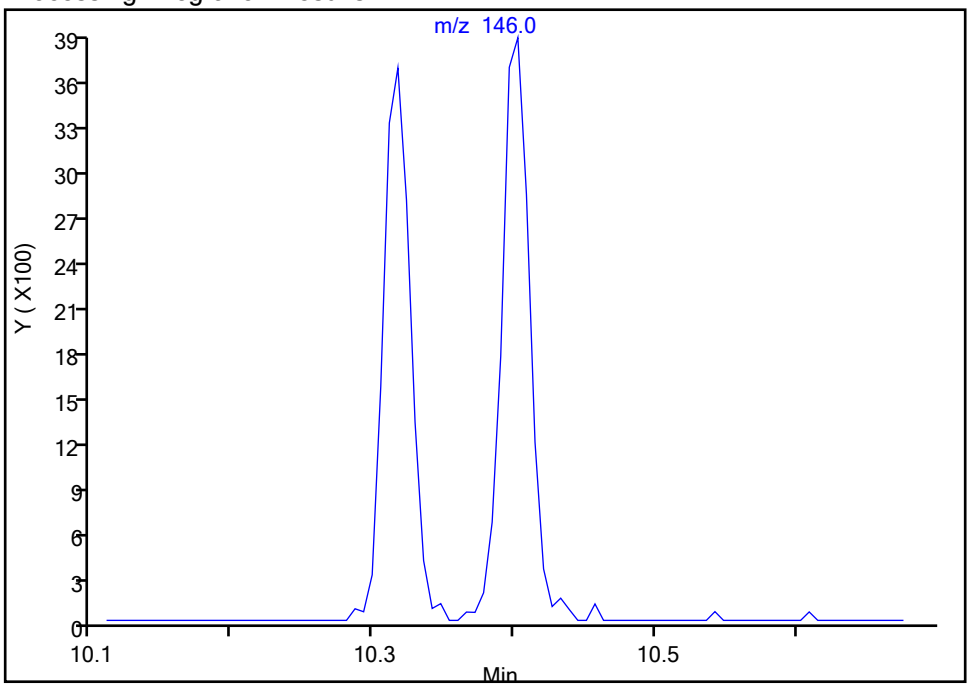
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

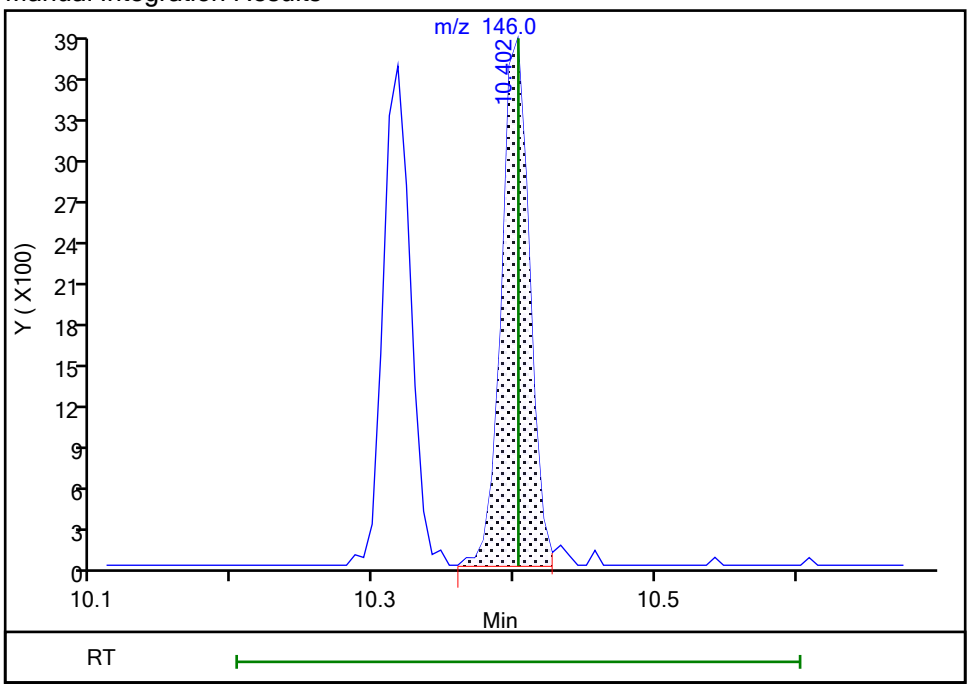
Not Detected
Expected RT: 10.40

Processing Integration Results



Manual Integration Results

RT: 10.40
Area: 5351
Amount: 0.932787
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:54:55
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

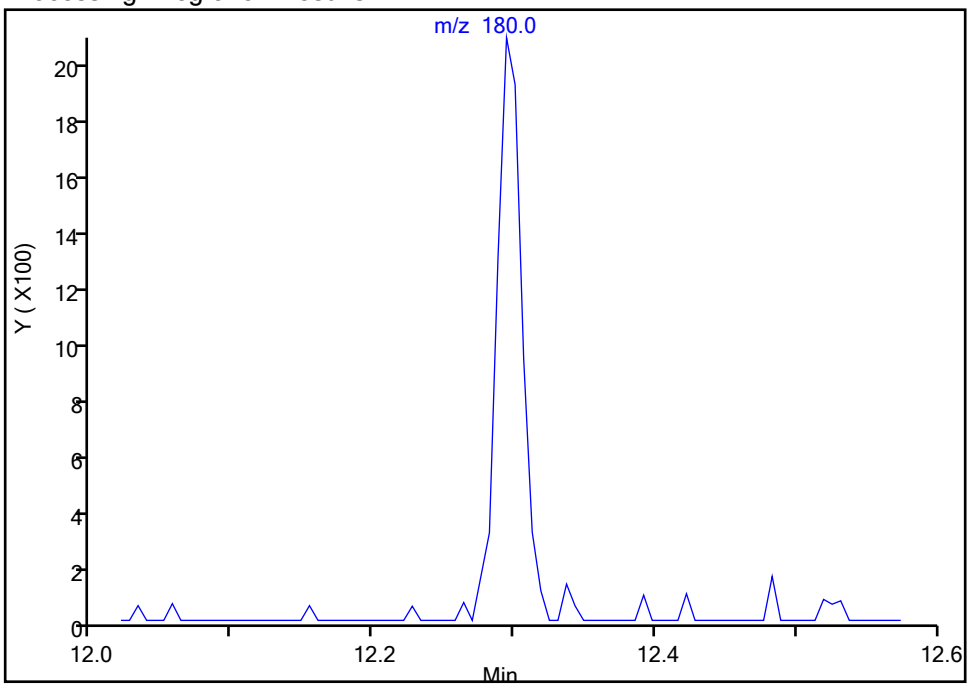
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

135 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

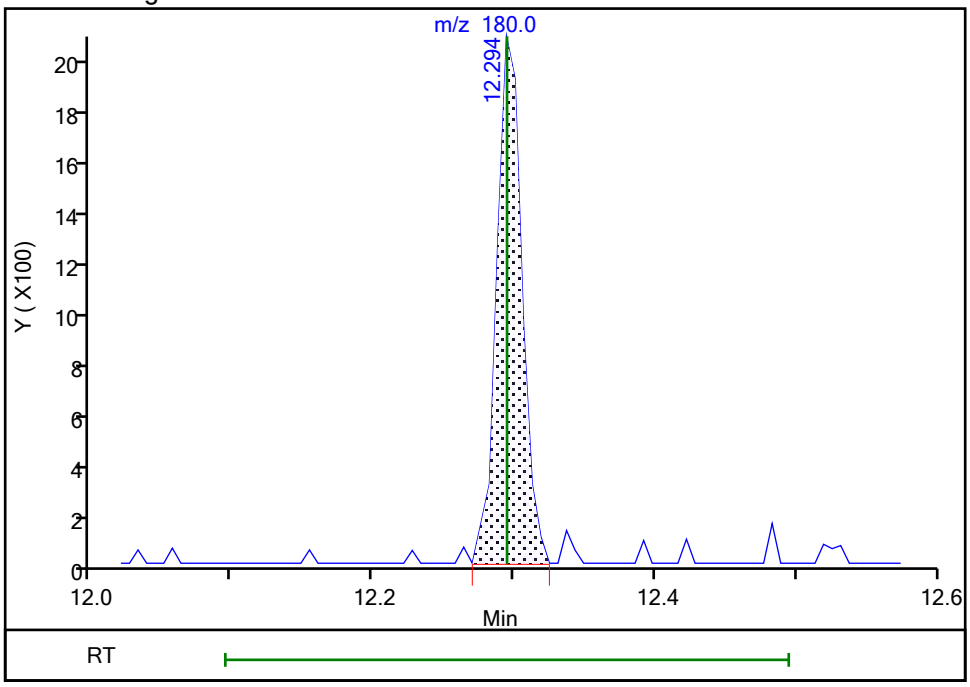
Not Detected
Expected RT: 12.29

Processing Integration Results



Manual Integration Results

RT: 12.29
Area: 2565
Amount: 0.842483
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:54:59
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

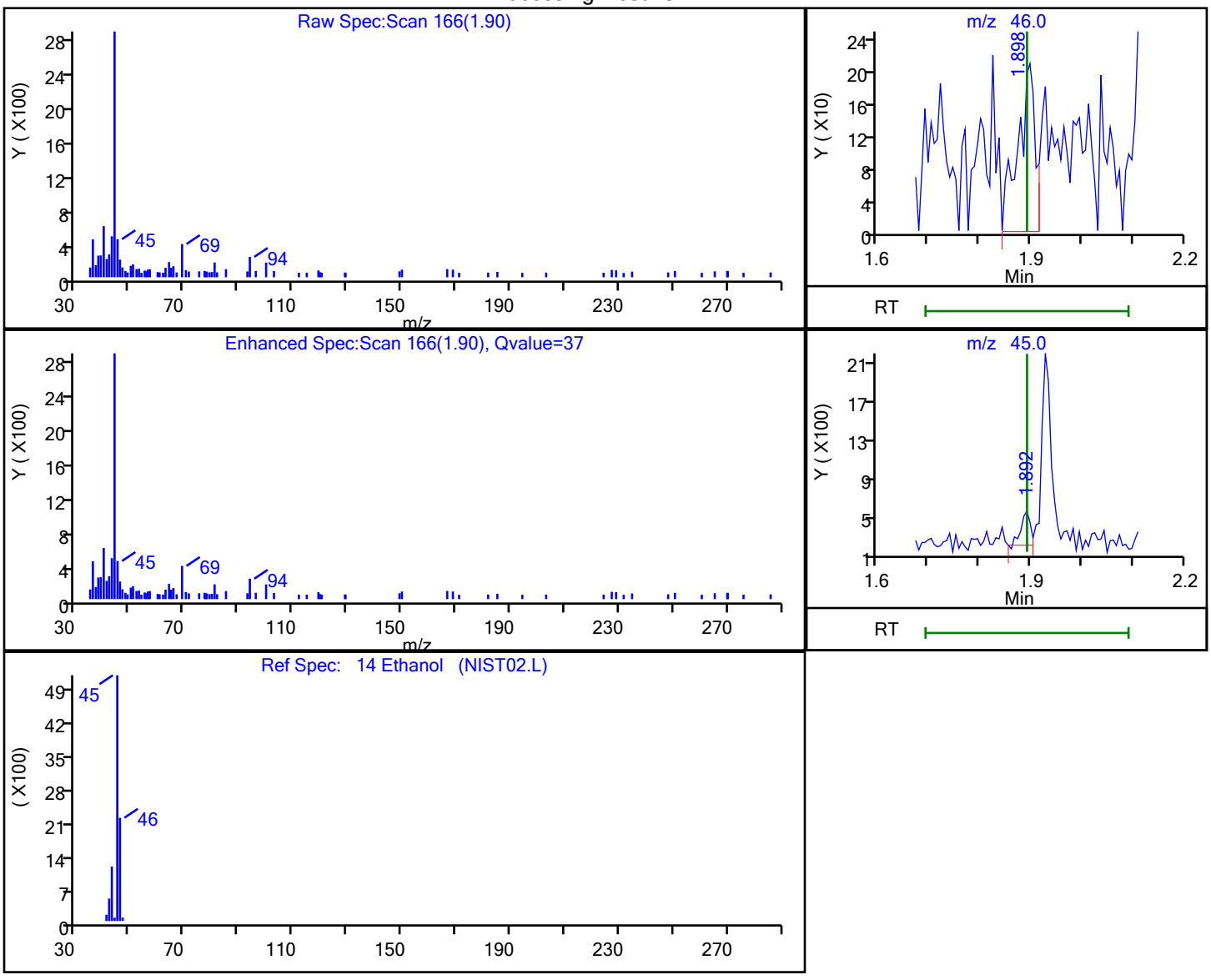
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
1.90	46.00	479	119.2742
1.89	45.00	445	

Reviewer: W9CM, 17-Jan-2023 21:03:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

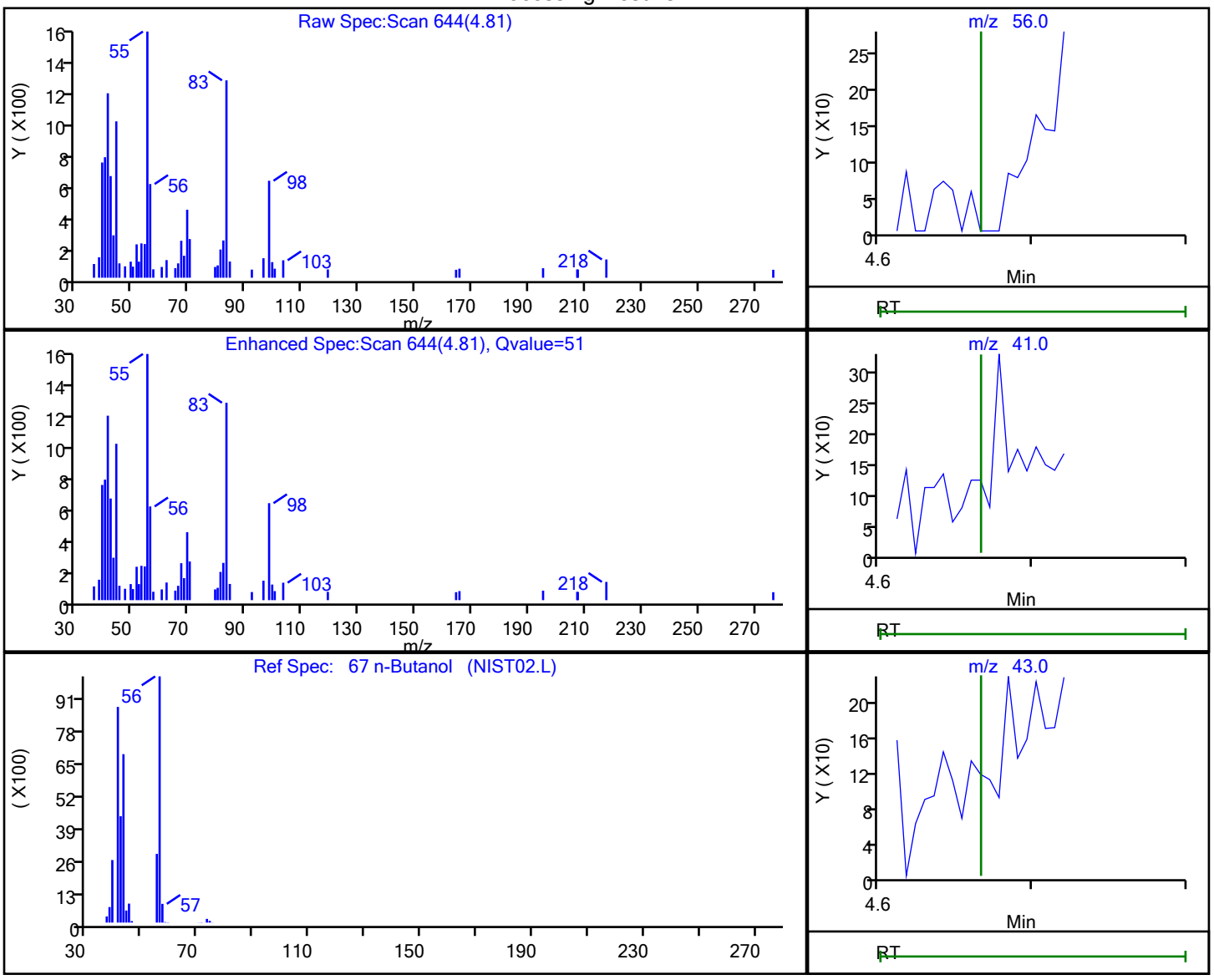
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85635.D
Injection Date: 17-Jan-2023 11:13:30 Instrument ID: CVOAMS8
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
4.81	56.00	377	11.083883
4.81	41.00	2695	
4.81	43.00	152	

Reviewer: W9CM, 17-Jan-2023 21:04:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85636.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Jan-2023 11:38:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0155710-005
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:09 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 12:52:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.155	1.156	-0.001	95	1538	5.00	4.99	
4 Dichlorodifluoromethane	85	1.180	1.180	0.000	98	22586	5.00	4.70	
5 Chlorodifluoromethane	67	1.192	1.192	0.000	97	4533	5.00	5.29	
6 Chloromethane	50	1.308	1.308	0.000	99	30872	5.00	4.69	
7 Vinyl chloride	62	1.362	1.363	-0.001	98	21118	5.00	4.82	
8 Butadiene	54	1.381	1.381	0.000	88	21581	5.00	4.87	
9 Bromomethane	94	1.575	1.576	-0.001	97	5118	5.00	2.96	
10 Chloroethane	64	1.630	1.630	0.000	97	11564	5.00	5.12	
12 Dichlorofluoromethane	67	1.752	1.752	0.000	97	34130	5.00	5.07	
11 Trichlorofluoromethane	101	1.758	1.764	-0.006	97	24993	5.00	5.04	
13 Pentane	43	1.794	1.795	-0.001	94	75815	10.0	10.3	
14 Ethanol	46	1.892	1.892	0.000	92	2031	200.0	199.6	M
15 Ethyl ether	59	1.934	1.928	0.006	83	14631	5.00	5.45	
16 2-Methyl-1,3-butadiene	53	1.946	1.947	-0.001	95	19854	5.00	5.27	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.958	1.959	-0.001	97	10836	5.00	5.14	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.001	2.001	0.000	96	22544	5.00	5.42	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.056	2.056	0.000	93	14375	5.00	5.23	
19 Acrolein	56	2.062	2.062	0.000	99	10525	20.0	22.4	
21 1,1-Dichloroethene	96	2.086	2.093	-0.007	90	12422	5.00	5.14	
22 Acetone	43	2.153	2.153	0.000	83	28975	25.0	24.3	
23 Iodomethane	142	2.208	2.208	0.000	99	9030	5.00	2.90	
25 Isopropyl alcohol	45	2.214	2.208	0.006	63	6141	50.0	44.0	
24 Carbon disulfide	76	2.238	2.239	-0.001	99	51760	5.00	5.11	
26 3-Chloro-1-propene	76	2.330	2.330	0.000	89	8963	5.00	5.14	
28 Methyl acetate	43	2.336	2.336	0.000	97	41246	10.0	12.1	
27 Cyclopentene	67	2.348	2.348	0.000	94	34660	5.00	4.99	
29 Acetonitrile	41	2.384	2.379	0.005	95	26105	50.0	49.6	
* 30 TBA-d9 (IS)	65	2.415	2.415	0.000	74	257982	1000.0	1000.0	
31 Methylene Chloride	84	2.433	2.433	0.000	94	15882	5.00	5.25	
32 2-Methyl-2-propanol	59	2.469	2.470	-0.001	97	9459	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.555	2.555	0.000	93	43087	5.00	5.34	
34 trans-1,2-Dichloroethene	96	2.585	2.579	0.006	94	13812	5.00	5.05	
35 Acrylonitrile	53	2.640	2.640	0.000	93	65539	50.0	54.6	
36 Hexane	57	2.701	2.707	-0.006	88	19801	5.00	4.80	
37 Isopropyl ether	45	2.877	2.877	0.000	96	72134	5.00	5.16	
38 1,1-Dichloroethane	63	2.914	2.908	0.006	99	32798	5.00	5.02	
39 Vinyl acetate	43	2.920	2.920	0.000	100	67228	10.0	9.90	
40 2-Chloro-1,3-butadiene	88	2.950	2.950	0.000	94	11820	5.00	4.83	
41 Tert-butyl ethyl ether	59	3.151	3.145	0.006	86	51370	5.00	5.27	
* 43 2-Butanone-d5	46	3.327	3.328	-0.001	88	436338	250.0	250.0	
42 2,2-Dichloropropane	79	3.333	3.334	-0.001	86	8344	5.00	5.44	
44 cis-1,2-Dichloroethene	96	3.364	3.358	0.006	88	15557	5.00	5.32	
46 2-Butanone (MEK)	72	3.376	3.376	0.000	94	7751	25.0	28.6	
45 Ethyl acetate	70	3.376	3.382	-0.006	95	3372	10.0	11.2	
47 Methyl acrylate	55	3.425	3.425	0.000	98	18151	5.00	5.97	
48 Propionitrile	54	3.498	3.492	0.006	96	23729	50.0	57.1	
50 Chlorobromomethane	128	3.565	3.565	-0.001	90	7777	5.00	5.45	
49 Tetrahydrofuran	72	3.571	3.565	0.006	53	3487	10.0	11.7	
51 Methacrylonitrile	67	3.589	3.589	0.000	98	67068	50.0	56.7	
52 Chloroform	83	3.613	3.607	0.006	95	31172	5.00	5.52	
53 Cyclohexane	84	3.729	3.723	0.006	92	19332	5.00	5.26	
54 1,1,1-Trichloroethane	97	3.741	3.741	0.000	93	23815	5.00	5.27	
$ 55 Dibromofluoromethane (Surr)	113	3.753	3.753	0.000	94	134143	50.0	49.4	
56 Carbon tetrachloride	117	3.850	3.851	-0.001	95	20602	5.00	5.30	
57 1,1-Dichloropropene	75	3.881	3.881	0.000	85	22403	5.00	5.18	
58 Isobutyl alcohol	43	4.015	4.009	0.006	94	24034	125.0	134.8	
59 Isooctane	57	4.033	4.033	0.000	96	40461	5.00	5.45	
60 Benzene	78	4.069	4.070	-0.001	98	64111	5.00	5.51	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.088	4.082	0.006	0	214514	50.0	50.3	
62 Isopropyl acetate	43	4.124	4.125	-0.001	92	67489	5.00	5.52	
63 Tert-amyl methyl ether	55	4.130	4.125	0.005	89	16685	5.00	6.01	
64 1,2-Dichloroethane	62	4.155	4.155	0.000	95	30584	5.00	5.62	
65 n-Heptane	57	4.209	4.216	-0.007	93	8905	5.00	5.20	
* 66 Fluorobenzene	96	4.343	4.344	-0.001	96	582943	50.0	50.0	
67 n-Butanol	56	4.672	4.666	0.006	92	4395	125.0	101.3	
68 Trichloroethene	95	4.696	4.690	0.006	90	15170	5.00	5.00	
69 Methylcyclohexane	83	4.812	4.812	0.000	80	18970	5.00	4.86	
70 Ethyl acrylate	55	4.824	4.818	0.006	97	42954	5.00	5.04	
71 1,2-Dichloropropane	63	4.982	4.982	0.000	80	20825	5.00	5.48	
* 72 1,4-Dioxane-d8	96	5.055	5.055	0.000	0	27870	1000.0	1000.0	M
73 Methyl methacrylate	100	5.079	5.074	0.005	89	6289	10.0	10.4	
75 1,4-Dioxane	88	5.110	5.116	-0.006	34	1866	100.0	232.9	
74 Dibromomethane	93	5.116	5.116	0.000	87	11265	5.00	5.56	
76 n-Propyl acetate	43	5.134	5.134	0.000	96	32164	5.00	5.24	
77 Dichlorobromomethane	83	5.274	5.274	0.000	96	23163	5.00	5.20	
78 2-Nitropropane	41	5.627	5.633	-0.006	93	12400	10.0	10.6	
79 2-Chloroethyl vinyl ether	63	5.639	5.639	0.000	73	8879	5.01	4.48	
80 Epichlorohydrin	57	5.748	5.749	-0.001	98	28135	100.0	103.3	
81 cis-1,3-Dichloropropene	75	5.803	5.804	-0.001	93	26400	5.00	5.11	
82 4-Methyl-2-pentanone (MIBK)	43	5.992	5.992	0.000	96	101167	25.0	26.4	
$ 83 Toluene-d8 (Surr)	98	6.059	6.059	0.000	96	472458	50.0	49.9	
84 Toluene	91	6.144	6.144	0.000	91	60684	5.00	5.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.545	6.540	0.005	93	23818	5.00	5.09	
86 Ethyl methacrylate	69	6.588	6.588	0.000	93	16461	5.00	4.69	
87 1,1,2-Trichloroethane	83	6.770	6.777	-0.007	91	13137	5.00	5.49	
88 Tetrachloroethene	166	6.807	6.807	0.000	88	12730	5.00	5.08	
89 1,3-Dichloropropane	76	7.002	7.008	-0.006	87	24020	5.00	5.29	
90 2-Hexanone	58	7.099	7.099	0.000	94	25611	25.0	24.1	
91 n-Butyl acetate	43	7.245	7.239	0.006	93	30435	5.00	4.80	
92 Chlorodibromomethane	129	7.257	7.258	-0.001	95	14808	5.00	5.29	
93 Ethylene Dibromide	107	7.421	7.422	-0.001	99	13585	5.00	5.32	
* 94 Chlorobenzene-d5	117	8.012	8.012	0.000	94	419432	50.0	50.0	
95 Chlorobenzene	112	8.042	8.042	0.000	90	37322	5.00	5.27	
96 Ethylbenzene	106	8.158	8.152	0.006	99	18168	5.00	4.97	
97 1,1,1,2-Tetrachloroethane	131	8.170	8.170	0.000	90	13755	5.00	5.28	
98 m-Xylene & p-Xylene	106	8.304	8.304	0.000	0	20709	5.00	4.71	
99 o-Xylene	106	8.754	8.754	0.000	91	21574	5.00	4.95	
100 n-Butyl acrylate	73	8.772	8.772	0.000	93	9667	5.00	4.14	
101 Styrene	104	8.790	8.791	-0.001	91	36464	5.00	4.90	
103 Bromoform	173	9.003	8.997	0.006	91	9286	5.00	5.24	
102 Amyl acetate (mixed isomers)	43	9.021	9.016	0.005	84	33070	5.00	4.77	
104 Isopropylbenzene	105	9.137	9.137	0.000	98	51594	5.00	4.82	
$ 105 4-Bromofluorobenzene	174	9.332	9.332	0.000	81	135521	50.0	48.4	
106 Bromobenzene	156	9.459	9.460	-0.001	89	15469	5.00	5.36	
107 1,1,2,2-Tetrachloroethane	83	9.526	9.527	-0.001	98	19088	5.00	5.50	
108 N-Propylbenzene	91	9.545	9.545	0.000	97	69374	5.00	5.13	
109 1,2,3-Trichloropropane	110	9.563	9.563	0.000	90	4360	5.00	5.68	
110 trans-1,4-Dichloro-2-butene	53	9.593	9.594	-0.001	79	6869	5.00	5.30	
111 2-Chlorotoluene	91	9.642	9.642	0.000	98	51663	5.00	5.25	
112 4-Ethyltoluene	105	9.654	9.654	0.000	97	56287	5.00	5.18	
113 1,3,5-Trimethylbenzene	105	9.721	9.721	0.000	91	46365	5.00	5.09	
114 4-Chlorotoluene	91	9.751	9.752	-0.001	99	48474	5.00	5.22	
115 Butyl Methacrylate	87	9.837	9.837	0.000	87	14246	5.00	4.09	
116 tert-Butylbenzene	119	10.001	10.001	0.000	86	35128	5.00	5.04	
117 1,2,4-Trimethylbenzene	105	10.062	10.056	0.006	98	48383	5.00	5.07	
118 sec-Butylbenzene	105	10.195	10.196	-0.001	97	53155	5.00	5.10	
120 1,3-Dichlorobenzene	146	10.317	10.317	0.000	91	28666	5.00	5.37	
119 4-Isopropyltoluene	119	10.323	10.324	-0.001	95	42152	5.00	4.81	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	97	224579	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.402	10.403	-0.001	91	29235	5.00	5.29	
123 1,2,3-Trimethylbenzene	105	10.427	10.421	0.006	98	54204	5.00	5.23	
124 Benzyl chloride	91	10.530	10.530	0.000	96	26091	5.00	4.66	
125 2,3-Dihydroindene	117	10.585	10.585	0.000	92	49983	5.00	5.26	
126 p-Diethylbenzene	119	10.646	10.646	0.000	88	26665	5.00	4.86	
127 n-Butylbenzene	92	10.670	10.664	0.006	96	24896	5.00	5.04	
128 1,2-Dichlorobenzene	146	10.713	10.713	0.000	92	27809	5.00	5.27	
129 1,2,4,5-Tetramethylbenzene	119	11.272	11.273	-0.001	96	39478	5.00	4.61	
130 1,2-Dibromo-3-Chloropropane	157	11.351	11.352	-0.001	77	2790	5.00	5.02	
131 1,3,5-Trichlorobenzene	180	11.461	11.461	0.000	95	18723	5.00	5.27	
132 1,2,4-Trichlorobenzene	180	11.935	11.936	-0.001	92	16864	5.00	5.23	
133 Hexachlorobutadiene	225	12.021	12.021	0.000	89	5797	5.00	5.01	
134 Naphthalene	128	12.124	12.124	0.000	98	40242	5.00	5.01	
135 1,2,3-Trichlorobenzene	180	12.294	12.295	-0.001	91	15147	5.00	5.16	
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		10.0	9.65	
S 138 Total BTEX	1				0		25.0	25.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

524freon_00062	Amount Added:	10.00	Units: uL	
GASES Li_00511	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00164	Amount Added:	10.00	Units: uL	
ACROLEIN W_00148	Amount Added:	4.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jan-2023 21:27:10 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85636.D

Injection Date: 17-Jan-2023 11:38:30 Instrument ID: CVOAMS8 Operator ID:

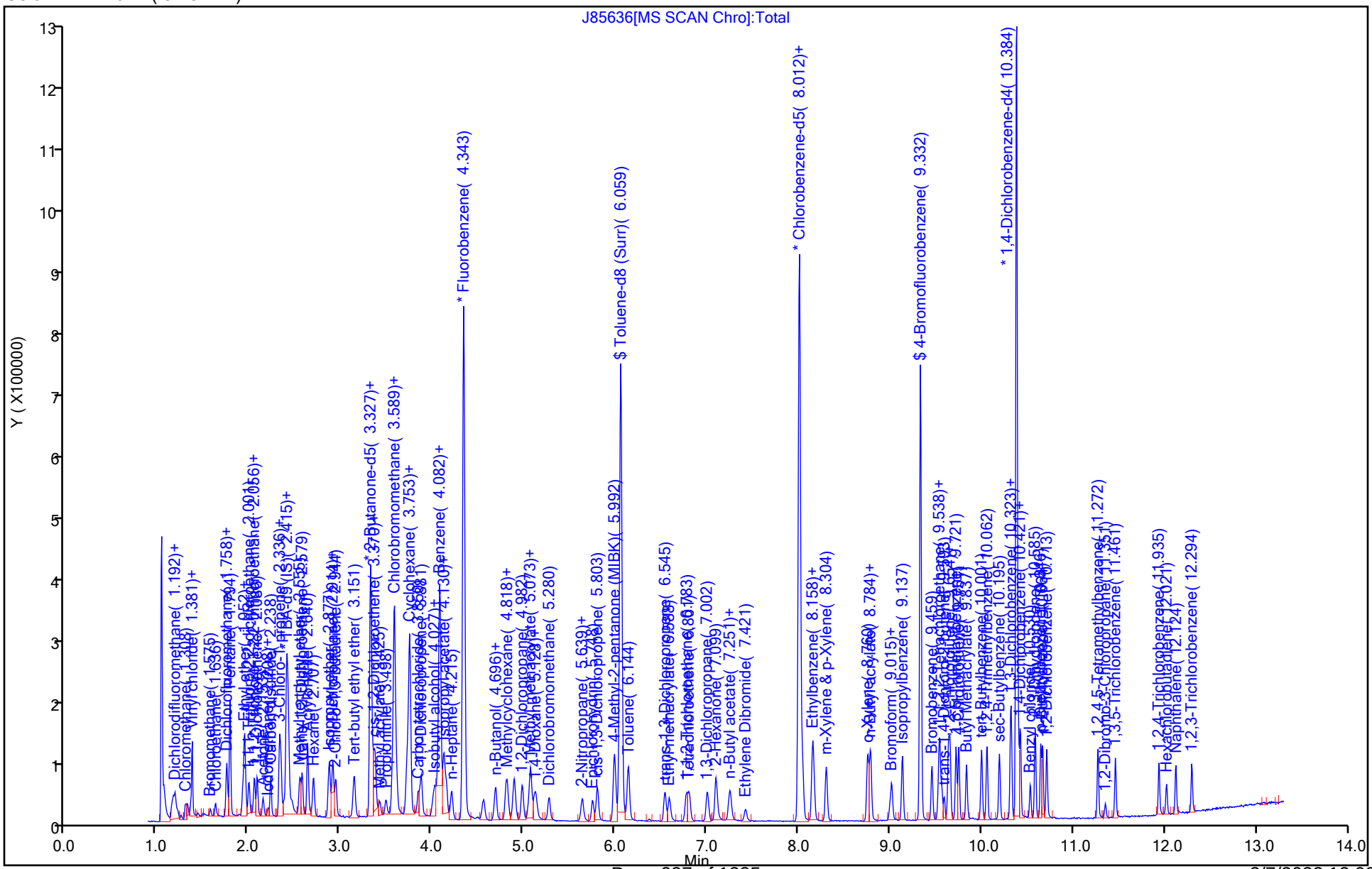
Lims ID: STD5 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

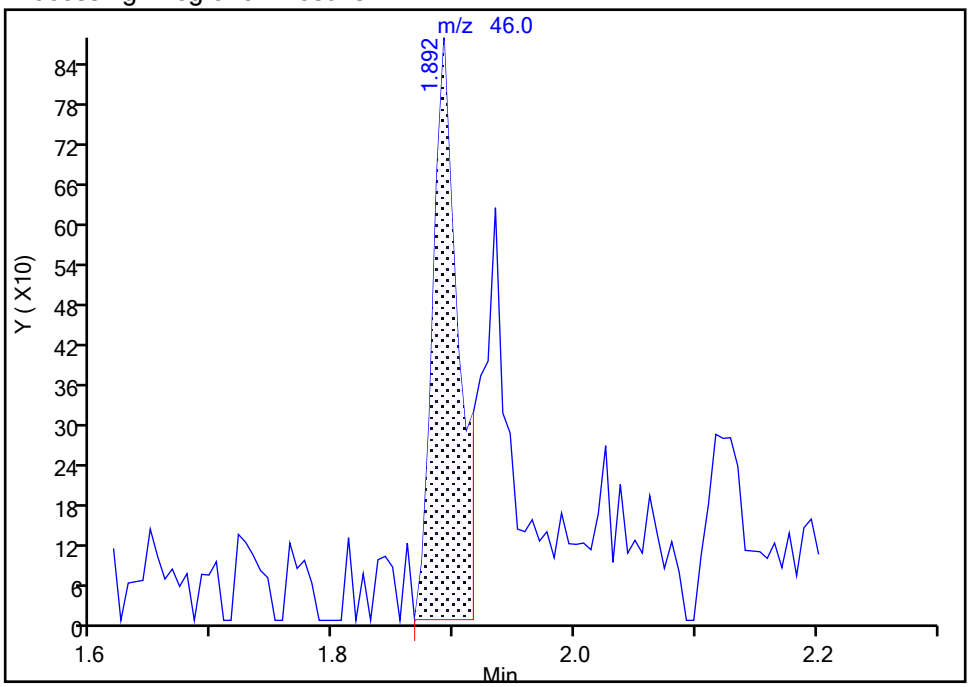
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85636.D
Injection Date: 17-Jan-2023 11:38:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

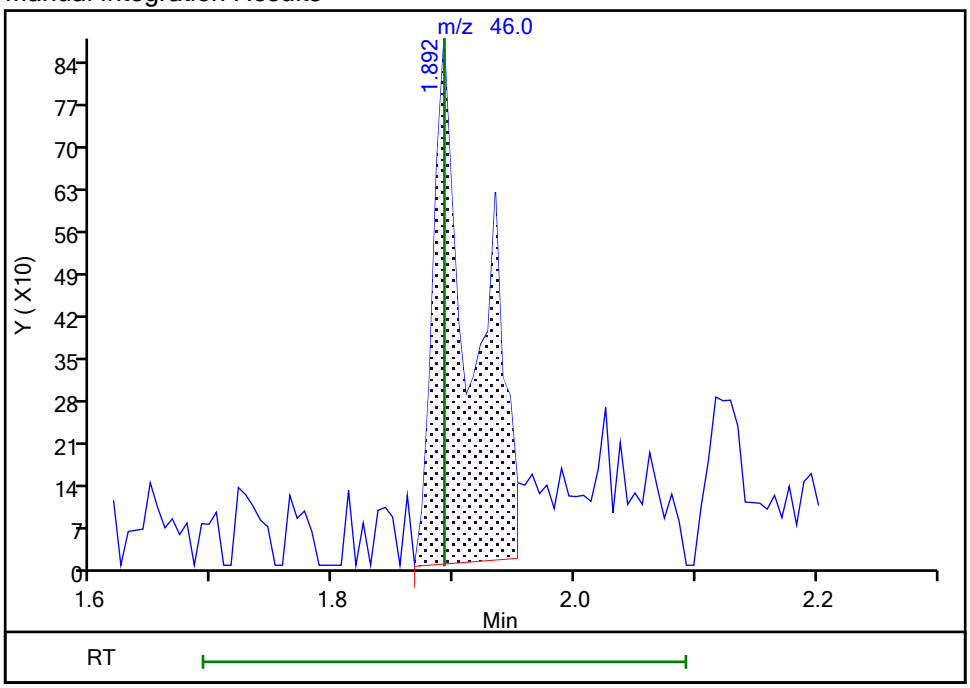
Processing Integration Results

RT: 1.89
Area: 1298
Amount: 137.4292
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 2031
Amount: 199.5507
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:20:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

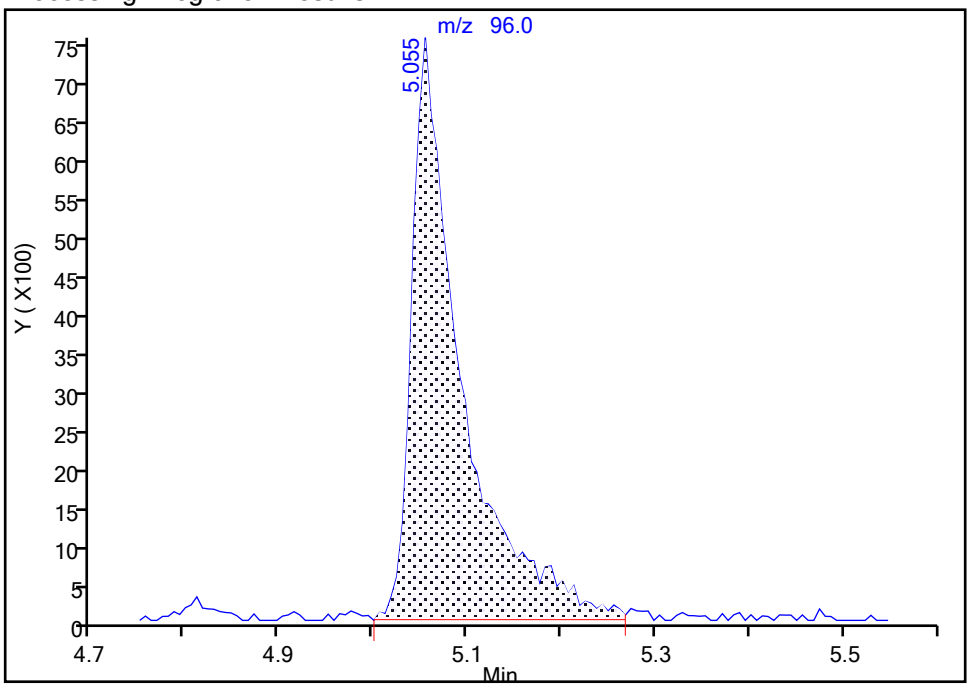
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85636.D
Injection Date: 17-Jan-2023 11:38:30 Instrument ID: CVOAMS8
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 72 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

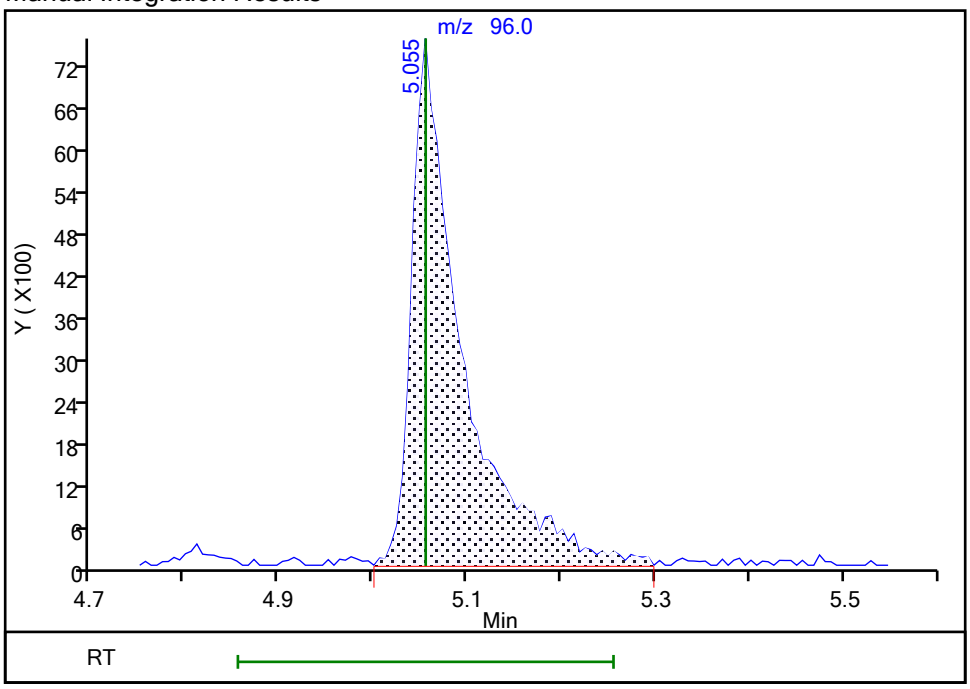
Processing Integration Results

RT: 5.05
Area: 27701
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.05
Area: 27870
Amount: 1000.0000
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:56:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85637.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 17-Jan-2023 12:03:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0155710-006
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:16 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 12:49:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.156	1.156	0.000	87	5916	20.0	19.6	
4 Dichlorodifluoromethane	85	1.180	1.180	0.000	99	89200	20.0	19.0	
5 Chlorodifluoromethane	67	1.192	1.192	0.000	96	17513	20.0	20.9	
6 Chloromethane	50	1.308	1.308	0.000	99	125220	20.0	19.4	
7 Vinyl chloride	62	1.363	1.363	0.000	98	81945	20.0	19.1	
8 Butadiene	54	1.381	1.381	0.000	88	86325	20.0	19.9	
9 Bromomethane	94	1.576	1.576	0.000	97	22081	20.0	13.0	
10 Chloroethane	64	1.630	1.630	0.000	96	43159	20.0	19.5	
12 Dichlorofluoromethane	67	1.752	1.752	0.000	98	130112	20.0	19.7	
11 Trichlorofluoromethane	101	1.764	1.764	0.000	97	96360	20.0	19.8	
13 Pentane	43	1.795	1.795	0.000	94	306325	40.0	42.7	
14 Ethanol	46	1.892	1.892	0.000	99	8878	800.0	834.0	Ma
15 Ethyl ether	59	1.928	1.928	0.000	83	56005	20.0	21.3	
16 2-Methyl-1,3-butadiene	53	1.947	1.947	0.000	95	77718	20.0	21.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.959	1.959	0.000	97	41853	20.0	20.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.001	2.001	0.000	97	83011	20.0	20.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.056	2.056	0.000	94	55983	20.0	20.8	
19 Acrolein	56	2.062	2.062	0.000	94	20877	40.0	42.4	
21 1,1-Dichloroethene	96	2.093	2.093	0.000	90	50006	20.0	21.2	
22 Acetone	43	2.153	2.153	0.000	82	123175	100.0	95.4	
23 Iodomethane	142	2.208	2.208	0.000	99	42391	20.0	13.9	
25 Isopropyl alcohol	45	2.208	2.208	0.000	67	29845	200.0	204.4	
24 Carbon disulfide	76	2.239	2.239	0.000	99	206522	20.0	20.8	
26 3-Chloro-1-propene	76	2.330	2.330	0.000	90	34218	20.0	20.1	
28 Methyl acetate	43	2.336	2.336	0.000	97	141893	40.0	39.7	
27 Cyclopentene	67	2.348	2.348	0.000	89	139418	20.0	20.5	
29 Acetonitrile	41	2.379	2.379	0.000	98	111078	200.0	201.8	
* 30 TBA-d9 (IS)	65	2.415	2.415	0.000	75	269818	1000.0	1000.0	
31 Methylene Chloride	84	2.433	2.433	0.000	92	62562	20.0	21.1	
32 2-Methyl-2-propanol	59	2.470	2.470	0.000	96	39647	200.0	209.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.555	2.555	0.000	93	167954	20.0	21.3	
34 trans-1,2-Dichloroethene	96	2.579	2.579	0.000	94	55091	20.0	20.6	
35 Acrylonitrile	53	2.640	2.640	0.000	92	261202	200.0	208.0	
36 Hexane	57	2.707	2.707	0.000	88	82248	20.0	20.4	
37 Isopropyl ether	45	2.877	2.877	0.000	96	287215	20.0	21.0	
38 1,1-Dichloroethane	63	2.908	2.908	0.000	99	134062	20.0	21.0	
39 Vinyl acetate	43	2.920	2.920	0.000	100	284811	40.0	42.8	
40 2-Chloro-1,3-butadiene	88	2.950	2.950	0.000	95	48503	20.0	20.2	
41 Tert-butyl ethyl ether	59	3.145	3.145	0.000	84	210037	20.0	22.0	
* 43 2-Butanone-d5	46	3.328	3.328	0.000	94	473035	250.0	250.0	
42 2,2-Dichloropropane	79	3.334	3.334	0.000	92	31176	20.0	20.8	
44 cis-1,2-Dichloroethene	96	3.358	3.358	0.000	87	59319	20.0	20.7	
46 2-Butanone (MEK)	72	3.376	3.376	0.000	95	28315	100.0	96.4	
45 Ethyl acetate	70	3.382	3.382	0.000	95	12037	40.0	36.9	
47 Methyl acrylate	55	3.425	3.425	0.000	98	61853	20.0	20.8	
48 Propionitrile	54	3.492	3.492	0.000	96	96027	200.0	221.0	
50 Chlorobromomethane	128	3.565	3.565	0.000	92	28579	20.0	20.5	
49 Tetrahydrofuran	72	3.565	3.565	0.000	93	13094	40.0	40.5	
51 Methacrylonitrile	67	3.589	3.589	0.000	99	253211	200.0	218.7	
52 Chloroform	83	3.607	3.607	0.000	95	118988	20.0	21.5	
53 Cyclohexane	84	3.723	3.723	0.000	92	73280	20.0	20.4	
54 1,1,1-Trichloroethane	97	3.741	3.741	0.000	95	94664	20.0	21.4	
$ 55 Dibromofluoromethane (Surr)	113	3.753	3.753	0.000	94	132638	50.0	49.9	
56 Carbon tetrachloride	117	3.851	3.851	0.000	95	77575	20.0	20.4	
57 1,1-Dichloropropene	75	3.881	3.881	0.000	85	88614	20.0	20.9	
58 Isobutyl alcohol	43	4.009	4.009	0.000	94	101906	500.0	546.4	
59 Isooctane	57	4.033	4.033	0.000	96	154061	20.0	21.2	a
60 Benzene	78	4.070	4.070	0.000	98	245790	20.0	21.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.082	4.082	0.000	0	210429	50.0	50.4	
62 Isopropyl acetate	43	4.125	4.125	0.000	94	263542	20.0	22.0	
63 Tert-amyl methyl ether	55	4.125	4.125	0.000	91	57315	20.0	21.1	
64 1,2-Dichloroethane	62	4.155	4.155	0.000	94	110961	20.0	20.8	
65 n-Heptane	57	4.216	4.216	0.000	94	33317	20.0	19.9	
* 66 Fluorobenzene	96	4.344	4.344	0.000	96	570545	50.0	50.0	
67 n-Butanol	56	4.666	4.666	0.000	93	20466	500.0	451.1	
68 Trichloroethene	95	4.690	4.690	0.000	91	61065	20.0	20.6	
69 Methylcyclohexane	83	4.812	4.812	0.000	82	76876	20.0	20.1	
70 Ethyl acrylate	55	4.818	4.818	0.000	98	174006	20.0	20.9	
71 1,2-Dichloropropane	63	4.982	4.982	0.000	81	76849	20.0	20.7	
* 72 1,4-Dioxane-d8	96	5.055	5.055	0.000	0	29101	1000.0	1000.0	
73 Methyl methacrylate	100	5.074	5.074	0.000	88	23665	40.0	39.8	
75 1,4-Dioxane	88	5.116	5.116	0.000	33	6051	400.0	673.3	
74 Dibromomethane	93	5.116	5.116	0.000	87	41370	20.0	20.9	
76 n-Propyl acetate	43	5.134	5.134	0.000	97	129510	20.0	21.6	
77 Dichlorobromomethane	83	5.274	5.274	0.000	96	91135	20.0	20.9	
78 2-Nitropropane	41	5.633	5.633	0.000	85	45537	40.0	37.4	
79 2-Chloroethyl vinyl ether	63	5.639	5.639	0.000	72	38407	20.0	19.8	
80 Epichlorohydrin	57	5.749	5.749	0.000	99	114731	400.0	388.5	
81 cis-1,3-Dichloropropene	75	5.804	5.804	0.000	94	107212	20.0	21.1	
82 4-Methyl-2-pentanone (MIBK)	43	5.992	5.992	0.000	96	418735	100.0	100.7	
$ 83 Toluene-d8 (Surr)	98	6.059	6.059	0.000	96	482169	50.0	51.8	
84 Toluene	91	6.144	6.144	0.000	91	237291	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.540	6.540	0.000	91	94099	20.0	20.4	
86 Ethyl methacrylate	69	6.588	6.588	0.000	92	69839	20.0	20.3	
87 1,1,2-Trichloroethane	83	6.777	6.777	0.000	91	47977	20.0	20.4	
88 Tetrachloroethene	166	6.807	6.807	0.000	91	48818	20.0	19.8	
89 1,3-Dichloropropane	76	7.008	7.008	0.000	87	92000	20.0	20.6	
90 2-Hexanone	58	7.099	7.099	0.000	95	107103	100.0	92.9	
91 n-Butyl acetate	43	7.239	7.239	0.000	93	131556	20.0	21.1	
92 Chlorodibromomethane	129	7.258	7.258	0.000	94	55759	20.0	20.2	
93 Ethylene Dibromide	107	7.422	7.422	0.000	97	52016	20.0	20.7	
* 94 Chlorobenzene-d5	117	8.012	8.012	0.000	95	412305	50.0	50.0	
95 Chlorobenzene	112	8.042	8.042	0.000	89	144579	20.0	20.8	
96 Ethylbenzene	106	8.152	8.152	0.000	99	72011	20.0	20.0	
97 1,1,1,2-Tetrachloroethane	131	8.170	8.170	0.000	91	51453	20.0	20.1	
98 m-Xylene & p-Xylene	106	8.304	8.304	0.000	0	87461	20.0	20.2	
99 o-Xylene	106	8.754	8.754	0.000	91	87831	20.0	20.5	
100 n-Butyl acrylate	73	8.772	8.772	0.000	92	44888	20.0	19.5	
101 Styrene	104	8.791	8.791	0.000	88	155227	20.0	21.2	
103 Bromoform	173	8.997	8.997	0.000	91	34806	20.0	20.0	
102 Amyl acetate (mixed isomers)	43	9.016	9.016	0.000	84	150470	20.0	21.3	
104 Isopropylbenzene	105	9.137	9.137	0.000	98	220626	20.0	21.0	
$ 105 4-Bromofluorobenzene	174	9.332	9.332	0.000	82	137694	50.0	50.0	
106 Bromobenzene	156	9.460	9.460	0.000	91	60217	20.0	20.5	
107 1,1,2,2-Tetrachloroethane	83	9.527	9.527	0.000	98	72938	20.0	20.6	
108 N-Propylbenzene	91	9.545	9.545	0.000	97	287243	20.0	20.8	
109 1,2,3-Trichloropropane	110	9.563	9.563	0.000	93	16416	20.0	21.0	
110 trans-1,4-Dichloro-2-butene	53	9.594	9.594	0.000	82	27544	20.0	20.8	
111 2-Chlorotoluene	91	9.642	9.642	0.000	98	208047	20.0	20.7	
112 4-Ethyltoluene	105	9.654	9.654	0.000	97	229854	20.0	20.7	
113 1,3,5-Trimethylbenzene	105	9.721	9.721	0.000	91	192885	20.0	20.8	
114 4-Chlorotoluene	91	9.752	9.752	0.000	99	193975	20.0	20.5	
115 Butyl Methacrylate	87	9.837	9.837	0.000	89	69291	20.0	19.4	
116 tert-Butylbenzene	119	10.001	10.001	0.000	87	145580	20.0	20.5	
117 1,2,4-Trimethylbenzene	105	10.056	10.056	0.000	98	203584	20.0	20.9	
118 sec-Butylbenzene	105	10.196	10.196	0.000	97	218662	20.0	20.6	
120 1,3-Dichlorobenzene	146	10.317	10.317	0.000	91	109083	20.0	20.1	
119 4-Isopropyltoluene	119	10.324	10.324	0.000	96	182954	20.0	20.5	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	97	229016	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.403	10.403	0.000	94	115444	20.0	20.5	
123 1,2,3-Trimethylbenzene	105	10.421	10.421	0.000	98	218045	20.0	20.6	
124 Benzyl chloride	91	10.530	10.530	0.000	96	111926	20.0	19.6	
125 2,3-Dihydroindene	117	10.585	10.585	0.000	93	201359	20.0	20.8	
126 p-Diethylbenzene	119	10.646	10.646	0.000	89	112123	20.0	20.0	
127 n-Butylbenzene	92	10.664	10.664	0.000	96	102167	20.0	20.3	
128 1,2-Dichlorobenzene	146	10.713	10.713	0.000	92	109617	20.0	20.4	
129 1,2,4,5-Tetramethylbenzene	119	11.273	11.273	0.000	95	177890	20.0	20.4	
130 1,2-Dibromo-3-Chloropropane	157	11.352	11.352	0.000	80	11009	20.0	19.4	
131 1,3,5-Trichlorobenzene	180	11.461	11.461	0.000	93	71313	20.0	19.7	
132 1,2,4-Trichlorobenzene	180	11.936	11.936	0.000	93	65199	20.0	19.8	
133 Hexachlorobutadiene	225	12.021	12.021	0.000	91	23415	20.0	19.8	
134 Naphthalene	128	12.124	12.124	0.000	98	166687	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	12.295	12.295	0.000	93	59981	20.0	20.0	
S 136 1,2-Dichloroethene, Total	100				0		40.0	41.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	40.7	
S 138 Total BTEX	1				0		100.0	103.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

524freon_00062	Amount Added: 20.00	Units: uL		
GASES Li_00511	Amount Added: 20.00	Units: uL		
8260MIX1COMB_00164	Amount Added: 20.00	Units: uL		
ACROLEIN W_00148	Amount Added: 4.00	Units: uL		
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00235	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 17-Jan-2023 21:27:17 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85637.D

Injection Date: 17-Jan-2023 12:03:30 Instrument ID: CVOAMS8 Operator ID:

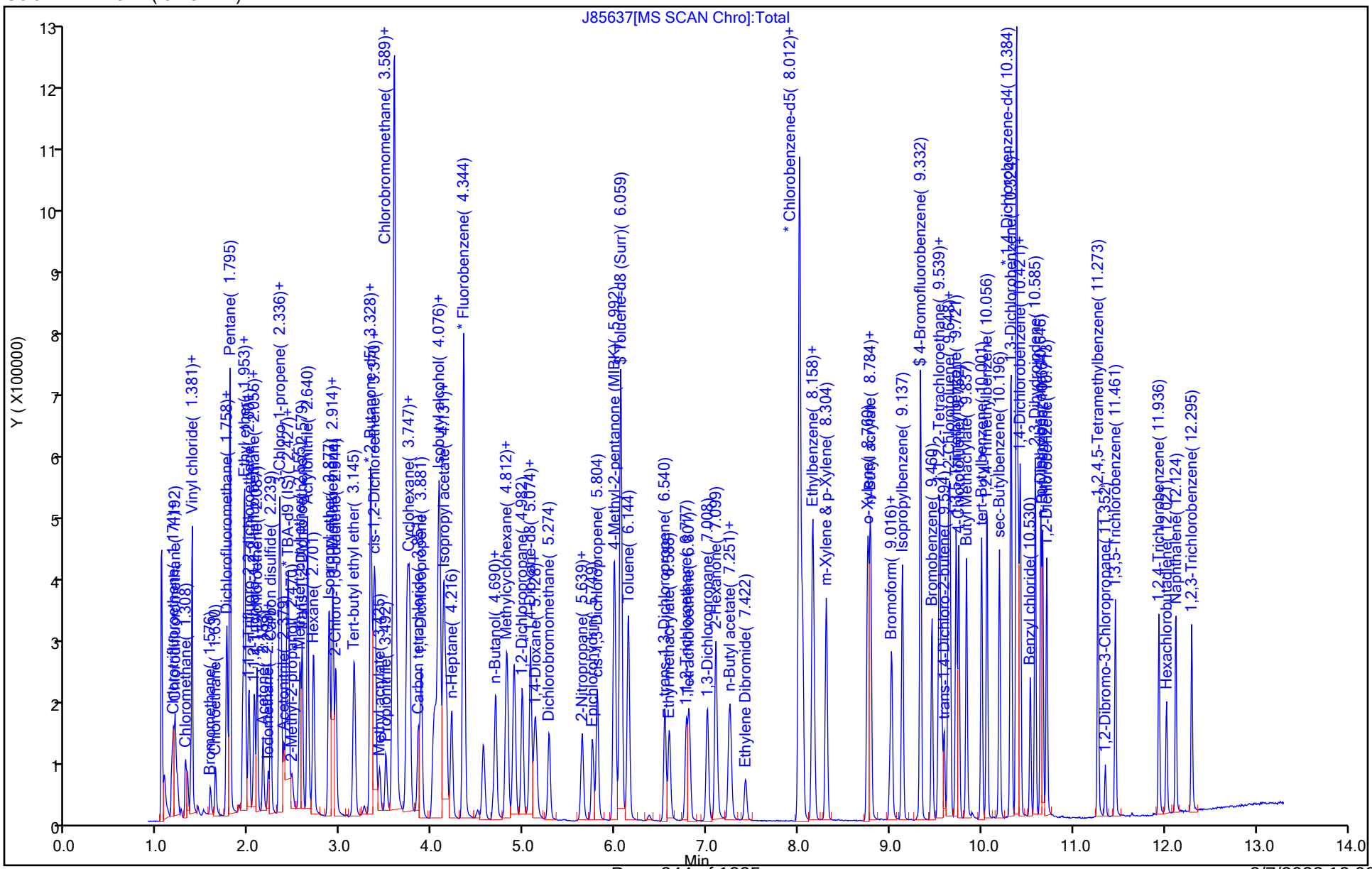
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison

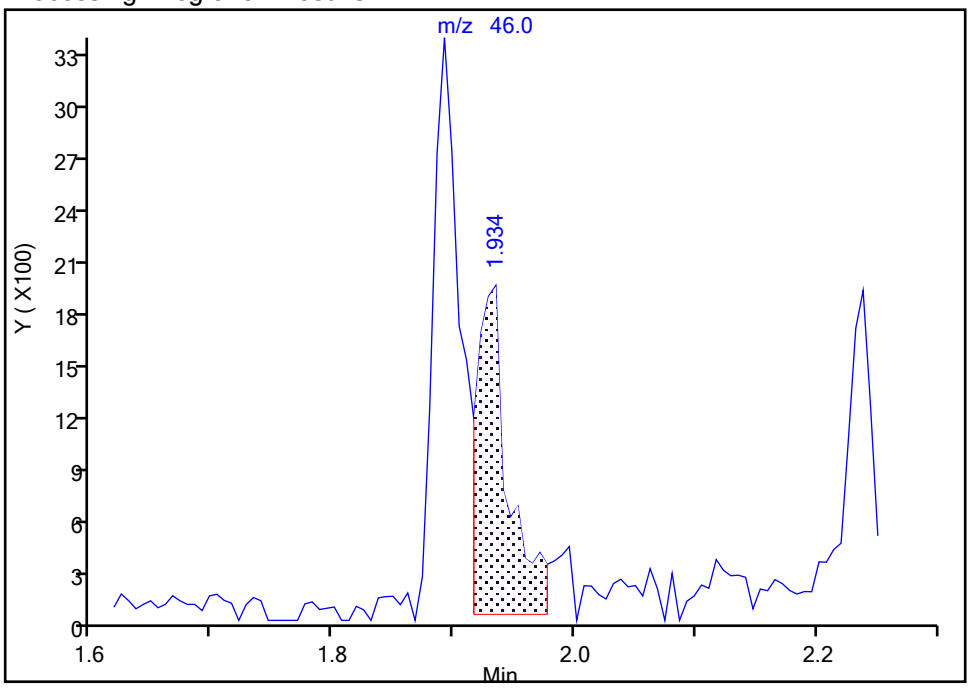
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85637.D
Injection Date: 17-Jan-2023 12:03:30 Instrument ID: CVOAMS8
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

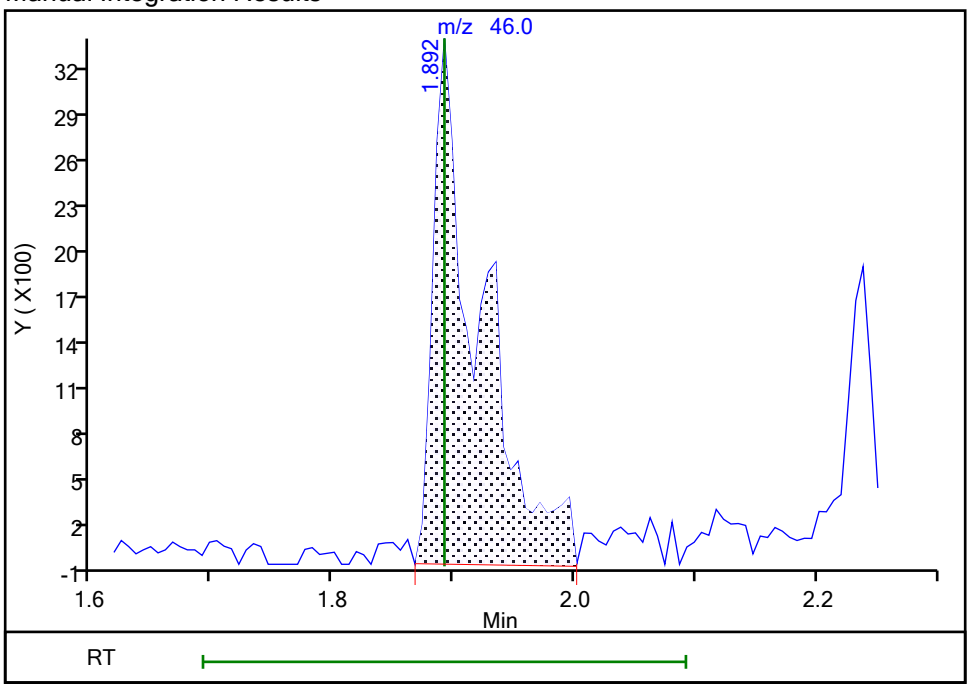
Processing Integration Results

RT: 1.93
Area: 3480
Amount: 771.3627
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 8878
Amount: 834.0210
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:20:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

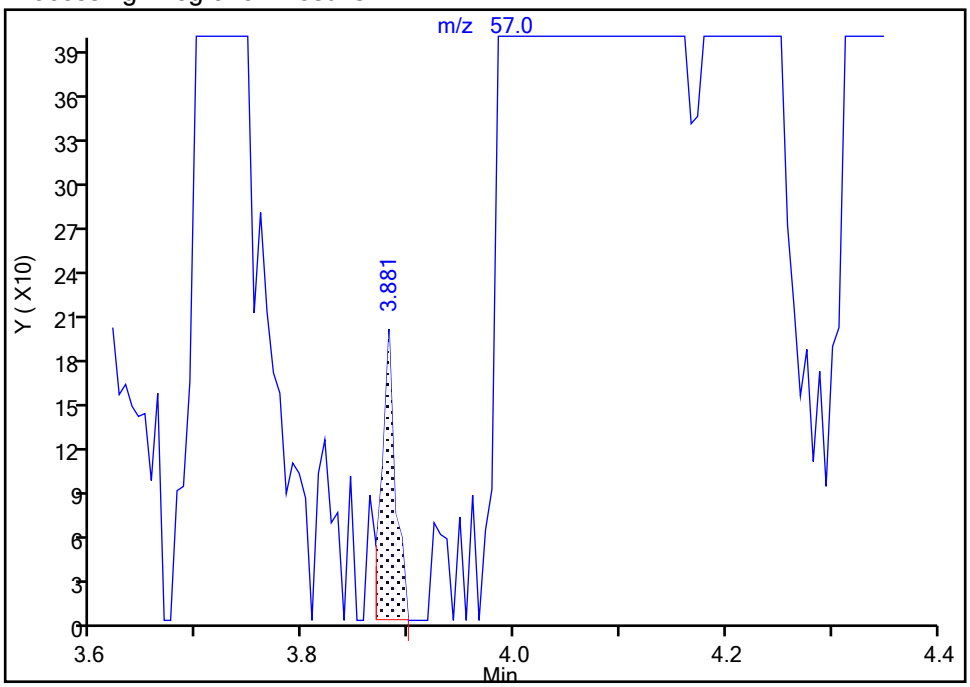
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85637.D
Injection Date: 17-Jan-2023 12:03:30 Instrument ID: CVOAMS8
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

59 Isooctane, CAS: 540-84-1

Signal: 1

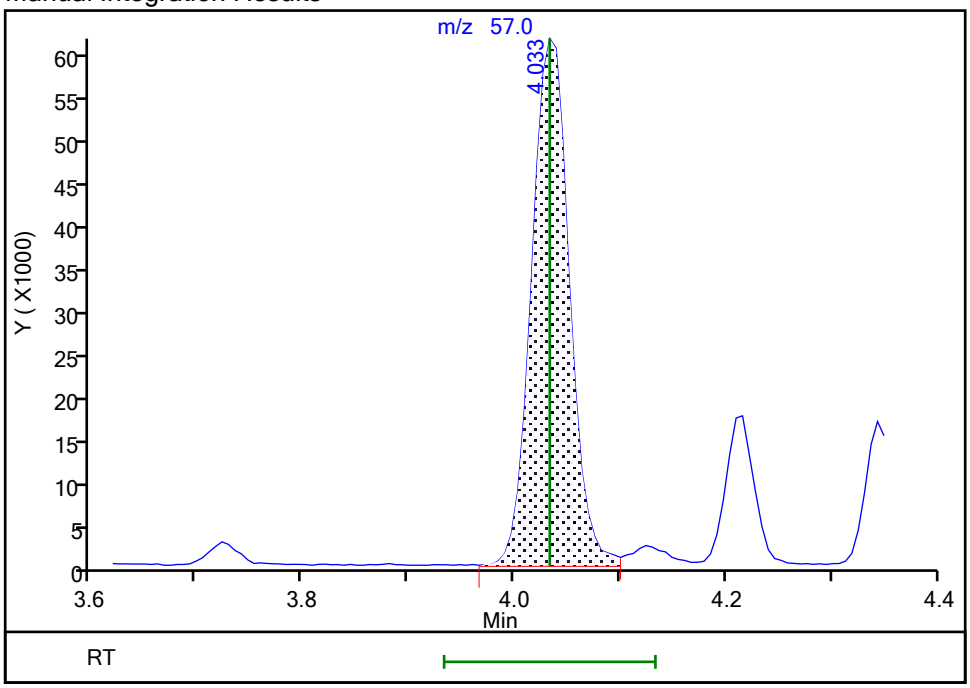
Processing Integration Results

RT: 3.88
Area: 178
Amount: 9.709524
Amount Units: ug/l



Manual Integration Results

RT: 4.03
Area: 154061
Amount: 21.190219
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 12:46:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85638.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Jan-2023 12:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0155710-007
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:24 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 12:51:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.155	1.156	-0.001	87	15665	50.0	51.4	
4 Dichlorodifluoromethane	85	1.180	1.180	0.000	99	232257	50.0	49.0	
5 Chlorodifluoromethane	67	1.198	1.192	0.006	96	43243	50.0	51.1	
6 Chloromethane	50	1.307	1.308	-0.001	99	322827	50.0	49.7	
7 Vinyl chloride	62	1.368	1.363	0.005	98	213541	50.0	49.3	
8 Butadiene	54	1.380	1.381	-0.001	88	222322	50.0	50.8	
9 Bromomethane	94	1.575	1.576	-0.001	98	63159	50.0	36.6	
10 Chloroethane	64	1.630	1.630	0.000	96	109641	50.0	49.2	
12 Dichlorofluoromethane	67	1.752	1.752	0.000	98	340223	50.0	51.2	
11 Trichlorofluoromethane	101	1.764	1.764	0.000	98	251186	50.0	51.3	
13 Pentane	43	1.794	1.795	-0.001	94	804697	100.0	111.2	
14 Ethanol	46	1.891	1.892	-0.001	96	24376	2000.0	2181.6	
15 Ethyl ether	59	1.928	1.928	0.000	84	138750	50.0	52.4	
16 2-Methyl-1,3-butadiene	53	1.946	1.947	-0.001	95	201370	50.0	54.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.958	1.959	-0.001	96	112145	50.0	53.9	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.001	2.001	0.000	96	209324	50.0	51.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.056	2.056	0.000	94	143103	50.0	52.8	
19 Acrolein	56	2.062	2.062	0.000	95	47187	100.0	91.3	
21 1,1-Dichloroethene	96	2.092	2.093	-0.001	90	126536	50.0	53.1	
22 Acetone	43	2.153	2.153	0.000	83	308234	250.0	241.1	
23 Iodomethane	142	2.208	2.208	0.000	98	129177	50.0	42.3	
25 Isopropyl alcohol	45	2.214	2.208	0.006	99	89649	500.0	584.9	
24 Carbon disulfide	76	2.238	2.239	-0.001	99	534972	50.0	53.4	
26 3-Chloro-1-propene	76	2.329	2.330	-0.001	88	90788	50.0	52.8	
28 Methyl acetate	43	2.336	2.336	0.000	97	377576	100.0	100.6	
27 Cyclopentene	67	2.348	2.348	0.000	95	379092	50.0	55.3	
29 Acetonitrile	41	2.384	2.379	0.005	96	304067	500.0	526.3	
* 30 TBA-d9 (IS)	65	2.415	2.415	0.000	78	283218	1000.0	1000.0	
31 Methylene Chloride	84	2.433	2.433	0.000	92	155610	50.0	52.1	
32 2-Methyl-2-propanol	59	2.469	2.470	-0.001	97	111194	500.0	560.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	2.555	2.555	0.000	93	431610	50.0	54.2	
34 trans-1,2-Dichloroethene	96	2.585	2.579	0.006	94	140852	50.0	52.2	
35 Acrylonitrile	53	2.640	2.640	0.000	92	692334	500.0	525.1	
36 Hexane	57	2.707	2.707	0.000	89	224718	50.0	55.2	
37 Isopropyl ether	45	2.877	2.877	0.000	96	774527	50.0	56.1	
38 1,1-Dichloroethane	63	2.907	2.908	-0.001	99	353980	50.0	54.9	
39 Vinyl acetate	43	2.920	2.920	0.000	100	720919	100.0	107.5	
40 2-Chloro-1,3-butadiene	88	2.950	2.950	0.000	94	128682	50.0	53.2	
41 Tert-butyl ethyl ether	59	3.145	3.145	0.000	84	528104	50.0	54.9	
* 43 2-Butanone-d5	46	3.327	3.328	-0.001	95	468268	250.0	250.0	
42 2,2-Dichloropropane	79	3.333	3.334	-0.001	90	77681	50.0	51.3	
44 cis-1,2-Dichloroethene	96	3.358	3.358	0.000	89	152195	50.0	52.8	
46 2-Butanone (MEK)	72	3.376	3.376	0.000	94	69407	250.0	238.6	
45 Ethyl acetate	70	3.382	3.382	0.000	95	30279	100.0	93.8	
47 Methyl acrylate	55	3.424	3.425	-0.001	99	148401	50.0	49.4	
48 Propionitrile	54	3.497	3.492	0.005	96	227789	500.0	499.4	
50 Chlorobromomethane	128	3.564	3.565	-0.001	94	72127	50.0	51.2	
49 Tetrahydrofuran	72	3.570	3.565	0.005	94	33756	100.0	105.5	
51 Methacrylonitrile	67	3.589	3.589	0.000	99	629761	500.0	539.1	
52 Chloroform	83	3.613	3.607	0.006	96	291322	50.0	52.3	
53 Cyclohexane	84	3.729	3.723	0.006	94	192396	50.0	53.0	
54 1,1,1-Trichloroethane	97	3.741	3.741	0.000	95	239467	50.0	53.6	
$ 55 Dibromofluoromethane (Surr)	113	3.753	3.753	0.000	94	135044	50.0	50.4	
56 Carbon tetrachloride	117	3.850	3.851	-0.001	96	206306	50.0	53.8	
57 1,1-Dichloropropene	75	3.881	3.881	0.000	86	224397	50.0	52.6	
58 Isobutyl alcohol	43	4.008	4.009	-0.001	95	251582	1250.0	1285.1	
59 Isooctane	57	4.039	4.033	0.006	96	395090	50.0	53.9	
60 Benzene	78	4.069	4.070	-0.001	98	616091	50.0	53.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.088	4.082	0.006	0	207770	50.0	49.3	
62 Isopropyl acetate	43	4.124	4.125	-0.001	93	672285	50.0	55.7	
63 Tert-amyl methyl ether	55	4.130	4.125	0.005	90	138246	50.0	50.4	
64 1,2-Dichloroethane	62	4.161	4.155	0.006	95	274450	50.0	51.1	
65 n-Heptane	57	4.215	4.216	-0.001	94	84863	50.0	50.2	
* 66 Fluorobenzene	96	4.343	4.344	-0.001	96	575559	50.0	50.0	
67 n-Butanol	56	4.665	4.666	-0.001	92	65521	1250.0	1375.9	
68 Trichloroethene	95	4.696	4.690	0.006	90	159260	50.0	53.1	
69 Methylcyclohexane	83	4.811	4.812	-0.001	80	211606	50.0	54.9	
70 Ethyl acrylate	55	4.818	4.818	0.000	98	469627	50.0	55.8	
71 1,2-Dichloropropane	63	4.982	4.982	0.000	82	197145	50.0	52.5	
* 72 1,4-Dioxane-d8	96	5.061	5.055	0.006	0	31502	1000.0	1000.0	
73 Methyl methacrylate	100	5.073	5.074	-0.001	89	59760	100.0	99.7	
75 1,4-Dioxane	88	5.116	5.116	0.000	34	19577	1000.0	1726.4	
74 Dibromomethane	93	5.116	5.116	0.000	87	104590	50.0	52.3	
76 n-Propyl acetate	43	5.134	5.134	0.000	97	341865	50.0	56.4	
77 Dichlorobromomethane	83	5.280	5.274	0.006	97	227023	50.0	51.6	
78 2-Nitropropane	41	5.633	5.633	0.000	94	122825	100.0	96.0	
79 2-Chloroethyl vinyl ether	63	5.645	5.639	0.006	89	108825	50.1	55.6	
80 Epichlorohydrin	57	5.748	5.749	-0.001	97	304746	1000.0	1042.4	
81 cis-1,3-Dichloropropene	75	5.803	5.804	-0.001	94	275558	50.0	53.4	
82 4-Methyl-2-pentanone (MIBK)	43	5.992	5.992	0.000	96	1108740	250.0	269.3	
$ 83 Toluene-d8 (Surr)	98	6.059	6.059	0.000	96	485187	50.0	51.3	
84 Toluene	91	6.144	6.144	0.000	91	614872	50.0	53.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.545	6.540	0.005	92	247918	50.0	53.0	
86 Ethyl methacrylate	69	6.588	6.588	0.000	92	192070	50.0	55.4	
87 1,1,2-Trichloroethane	83	6.776	6.777	-0.001	92	125123	50.0	52.4	
88 Tetrachloroethene	166	6.807	6.807	0.000	89	127951	50.0	51.2	
89 1,3-Dichloropropane	76	7.008	7.008	0.000	88	236853	50.0	52.3	
90 2-Hexanone	58	7.099	7.099	0.000	95	297057	250.0	260.3	
91 n-Butyl acetate	43	7.245	7.239	0.006	93	350791	50.0	55.4	
92 Chlorodibromomethane	129	7.263	7.258	0.005	95	146358	50.0	52.3	
93 Ethylene Dibromide	107	7.421	7.422	-0.001	98	131951	50.0	51.7	
* 94 Chlorobenzene-d5	117	8.011	8.012	-0.001	94	418624	50.0	50.0	
95 Chlorobenzene	112	8.048	8.042	0.006	89	373395	50.0	52.9	
96 Ethylbenzene	106	8.157	8.152	0.005	99	189113	50.0	51.8	
97 1,1,1,2-Tetrachloroethane	131	8.170	8.170	0.000	91	133236	50.0	51.2	
98 m-Xylene & p-Xylene	106	8.303	8.304	-0.001	0	239715	50.0	54.6	
99 o-Xylene	106	8.754	8.754	0.000	91	231033	50.0	53.1	
100 n-Butyl acrylate	73	8.772	8.772	0.000	93	124396	50.0	52.6	
101 Styrene	104	8.790	8.791	-0.001	89	416627	50.0	56.0	
103 Bromoform	173	9.003	8.997	0.006	91	92588	50.0	52.4	
102 Amyl acetate (mixed isomers)	43	9.021	9.016	0.005	84	423336	50.0	58.9	
104 Isopropylbenzene	105	9.137	9.137	0.000	98	601353	50.0	56.3	
$ 105 4-Bromofluorobenzene	174	9.338	9.332	0.006	85	142720	50.0	51.0	
106 Bromobenzene	156	9.459	9.460	-0.001	90	155983	50.0	52.2	
107 1,1,2,2-Tetrachloroethane	83	9.532	9.527	0.005	98	182771	50.0	50.8	
108 N-Propylbenzene	91	9.544	9.545	-0.001	97	780988	50.0	55.7	
109 1,2,3-Trichloropropane	110	9.569	9.563	0.006	94	41955	50.0	52.7	
110 trans-1,4-Dichloro-2-butene	53	9.593	9.594	-0.001	81	70749	50.0	52.7	
111 2-Chlorotoluene	91	9.642	9.642	0.000	98	550358	50.0	53.9	
112 4-Ethyltoluene	105	9.660	9.654	0.006	97	614290	50.0	54.5	
113 1,3,5-Trimethylbenzene	105	9.721	9.721	0.000	91	521089	50.0	55.2	
114 4-Chlorotoluene	91	9.751	9.752	-0.001	99	526889	50.0	54.8	
115 Butyl Methacrylate	87	9.836	9.837	-0.001	90	192077	50.0	52.6	
116 tert-Butylbenzene	119	10.001	10.001	0.000	87	399400	50.0	55.3	
117 1,2,4-Trimethylbenzene	105	10.062	10.056	0.006	99	548665	50.0	55.5	
118 sec-Butylbenzene	105	10.195	10.196	-0.001	98	607283	50.0	56.2	
120 1,3-Dichlorobenzene	146	10.317	10.317	0.000	90	289515	50.0	52.3	
119 4-Isopropyltoluene	119	10.329	10.324	0.005	96	516698	50.0	56.9	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	96	232820	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.402	10.403	-0.001	92	298067	50.0	52.0	
123 1,2,3-Trimethylbenzene	105	10.427	10.421	0.006	99	575454	50.0	53.6	
124 Benzyl chloride	91	10.536	10.530	0.006	96	308112	50.0	53.1	
125 2,3-Dihydroindene	117	10.585	10.585	0.000	93	537484	50.0	54.5	
126 p-Diethylbenzene	119	10.646	10.646	0.000	90	317873	50.0	55.9	
127 n-Butylbenzene	92	10.670	10.664	0.006	96	282643	50.0	55.2	
128 1,2-Dichlorobenzene	146	10.712	10.713	-0.001	91	289302	50.0	52.9	
129 1,2,4,5-Tetramethylbenzene	119	11.272	11.273	-0.001	95	497544	50.0	56.1	
130 1,2-Dibromo-3-Chloropropane	157	11.357	11.352	0.005	83	31507	50.0	54.7	
131 1,3,5-Trichlorobenzene	180	11.461	11.461	0.000	94	198650	50.0	54.0	
132 1,2,4-Trichlorobenzene	180	11.941	11.936	0.005	92	180757	50.0	54.1	
133 Hexachlorobutadiene	225	12.020	12.021	-0.001	91	66397	50.0	55.4	
134 Naphthalene	128	12.124	12.124	0.000	98	465988	50.0	55.9	
135 1,2,3-Trichlorobenzene	180	12.294	12.295	-0.001	93	167728	50.0	55.1	
S 136 1,2-Dichloroethene, Total	100				0		100.0	104.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		100.0	107.7	
S 138 Total BTEX	1				0		250.0	266.1	

QC Flag Legend

Processing Flags

Reagents:

524freon_00062	Amount Added:	50.00	Units: uL	
GASES Li_00511	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00164	Amount Added:	50.00	Units: uL	
ACROLEIN W_00148	Amount Added:	10.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

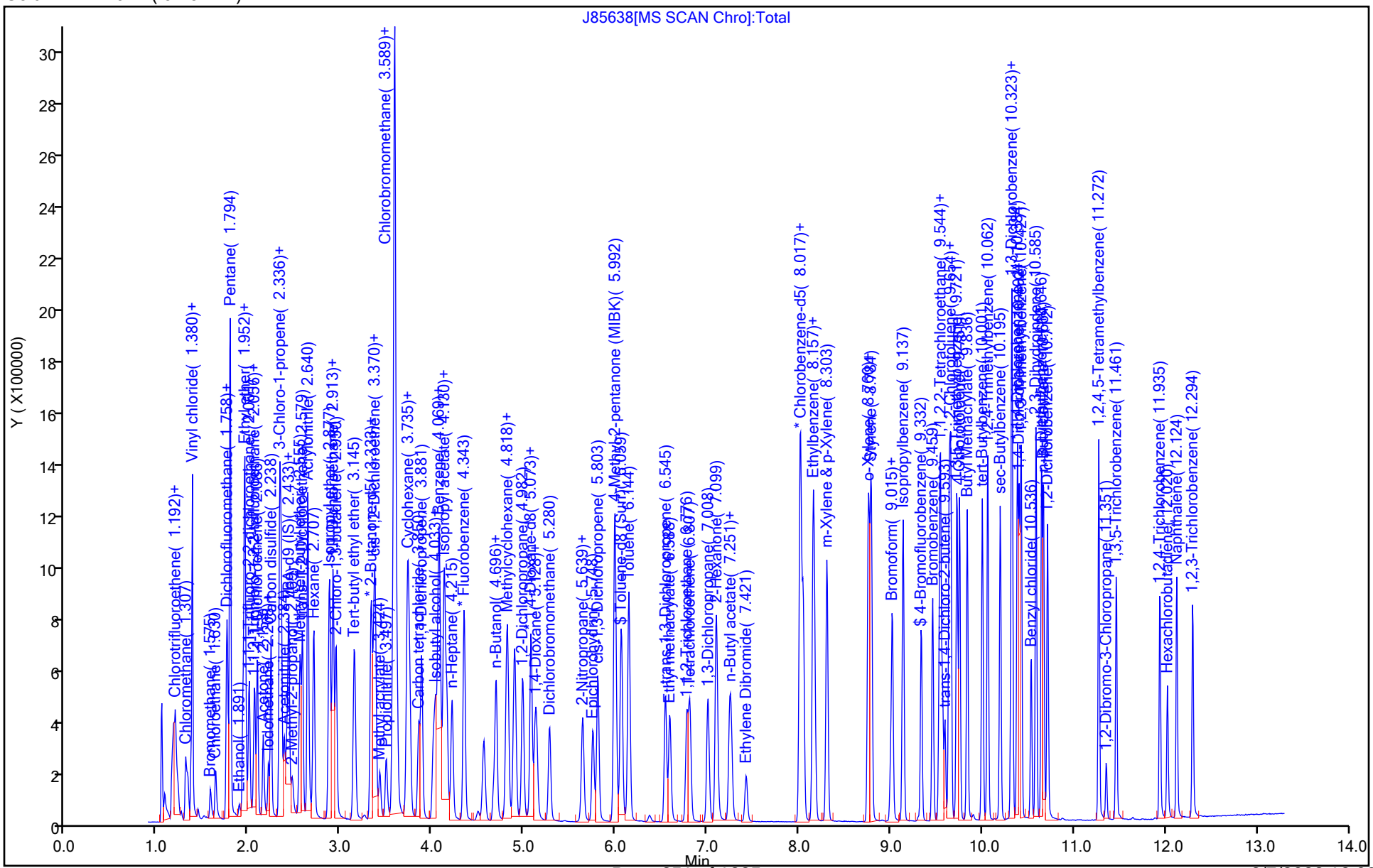
Report Date: 17-Jan-2023 21:27:25 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85638.D

Injection Date:	17-Jan-2023 12:28:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	STD50			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85640.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Jan-2023 13:19:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0155710-009
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:31 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: K0HS Date: 17-Jan-2023 13:40:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.157	1.156	0.001	88	175583	500.0	496.6	
4 Dichlorodifluoromethane	85	1.181	1.180	0.001	99	3045572	500.0	553.4	
5 Chlorodifluoromethane	67	1.193	1.192	0.001	96	452543	500.0	460.2	
6 Chloromethane	50	1.309	1.308	0.001	99	3824054	500.0	506.9	
7 Vinyl chloride	62	1.370	1.363	0.007	98	2488974	500.0	495.2	
8 Butadiene	54	1.382	1.381	0.001	89	2536705	500.0	499.1	
9 Bromomethane	94	1.576	1.576	0.000	99	1173456	500.0	499.4	
10 Chloroethane	64	1.631	1.630	0.001	96	1199883	500.0	463.4	
12 Dichlorofluoromethane	67	1.753	1.752	0.001	98	3641136	500.0	471.8	
11 Trichlorofluoromethane	101	1.765	1.764	0.001	98	2754593	500.0	484.2	
13 Pentane	43	1.789	1.795	-0.006	94	7572271	1000.0	901.1	
14 Ethanol	46	1.893	1.892	0.001	97	269671	20000	22729	
15 Ethyl ether	59	1.929	1.928	0.001	85	1479094	500.0	480.9	
16 2-Methyl-1,3-butadiene	53	1.948	1.947	0.001	94	2181803	500.0	505.6	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.966	1.959	0.007	97	1227627	500.0	508.1	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.002	2.001	0.001	97	2455211	500.0	515.0	a
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.057	2.056	0.001	93	1538453	500.0	488.7	
19 Acrolein	56	2.063	2.062	0.001	92	61378	400.0	111.9	
21 1,1-Dichloroethene	96	2.094	2.093	0.001	91	1377722	500.0	497.5	
22 Acetone	43	2.154	2.153	0.001	83	3059446	2500.0	2290.1	
23 Iodomethane	142	2.209	2.208	0.001	98	1625070	500.0	499.3	
25 Isopropyl alcohol	45	2.215	2.208	0.007	99	931836	5000.0	5725.2	
24 Carbon disulfide	76	2.240	2.239	0.001	98	5497653	500.0	473.0	
26 3-Chloro-1-propene	76	2.337	2.330	0.007	90	952938	500.0	477.0	
28 Methyl acetate	43	2.337	2.336	0.001	98	3642394	1000.0	913.5	
27 Cyclopentene	67	2.349	2.348	0.001	95	4019629	500.0	504.8	
29 Acetonitrile	41	2.386	2.379	0.007	97	3065358	5000.0	4996.9	
* 30 TBA-d9 (IS)	65	2.416	2.415	0.001	76	300737	1000.0	1000.0	
31 Methylene Chloride	84	2.434	2.433	0.001	93	1639127	500.0	472.4	
32 2-Methyl-2-propanol	59	2.471	2.470	0.001	97	1165853	5000.0	5530.7	

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	2.556	2.555	0.001	93	4475974	500.0	484.3	
34 trans-1,2-Dichloroethene	96	2.586	2.579	0.007	95	1532776	500.0	488.9	
35 Acrylonitrile	53	2.641	2.640	0.001	91	6430958	5000.0	4593.5	
36 Hexane	57	2.708	2.707	0.001	90	2363531	500.0	500.2	
37 Isopropyl ether	45	2.878	2.877	0.001	96	7977349	500.0	498.0	
38 1,1-Dichloroethane	63	2.915	2.908	0.007	99	3711214	500.0	495.5	
39 Vinyl acetate	43	2.921	2.920	0.001	100	7596651	1000.0	975.8	
40 2-Chloro-1,3-butadiene	88	2.951	2.950	0.001	96	1469228	500.0	523.2	
41 Tert-butyl ethyl ether	59	3.146	3.145	0.001	85	5704181	500.0	510.6	
* 43 2-Butanone-d5	46	3.328	3.328	0.000	80	489362	250.0	250.0	
42 2,2-Dichloropropane	79	3.335	3.334	0.001	89	825814	500.0	469.3	
44 cis-1,2-Dichloroethene	96	3.365	3.358	0.007	88	1670377	500.0	498.6	
46 2-Butanone (MEK)	72	3.377	3.376	0.001	94	796204	2500.0	2619.1	
45 Ethyl acetate	70	3.377	3.382	-0.005	95	347176	1000.0	1029.0	
47 Methyl acrylate	55	3.426	3.425	0.001	98	1717972	500.0	493.0	
48 Propionitrile	54	3.499	3.492	0.007	96	2568524	5000.0	5302.9	
50 Chlorobromomethane	128	3.572	3.565	0.007	87	743530	500.0	454.6	
49 Tetrahydrofuran	72	3.572	3.565	0.007	56	337099	1000.0	1008.2	
51 Methacrylonitrile	67	3.596	3.589	0.007	95	6574676	5000.0	4847.0	
52 Chloroform	83	3.620	3.607	0.013	96	3172860	500.0	490.3	
53 Cyclohexane	84	3.730	3.723	0.007	94	2163015	500.0	513.2	
54 1,1,1-Trichloroethane	97	3.742	3.741	0.001	95	2576816	500.0	497.0	
$ 55 Dibromofluoromethane (Surr)	113	3.760	3.753	0.007	95	152837	50.0	49.1	
56 Carbon tetrachloride	117	3.852	3.851	0.001	96	2228676	500.0	500.1	
57 1,1-Dichloropropene	75	3.882	3.881	0.001	86	2550792	500.0	514.9	
58 Isobutyl alcohol	43	4.016	4.009	0.007	93	2808233	12500	13510	
59 Isooctane	57	4.034	4.033	0.001	96	4345593	500.0	510.3	
60 Benzene	78	4.071	4.070	0.001	97	6518680	500.0	449.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.089	4.082	0.007	0	243384	50.0	49.8	
62 Isopropyl acetate	43	4.132	4.125	0.007	94	7171301	500.0	511.3	
63 Tert-amyl methyl ether	55	4.132	4.125	0.007	91	1530169	500.0	480.8	
64 1,2-Dichloroethane	62	4.162	4.155	0.007	94	3074695	500.0	492.7	
65 n-Heptane	57	4.217	4.216	0.001	95	1003427	500.0	511.0	
* 66 Fluorobenzene	96	4.351	4.344	0.006	96	668285	50.0	50.0	
67 n-Butanol	56	4.667	4.666	0.001	94	853093	12500	16871	
68 Trichloroethene	95	4.697	4.690	0.007	90	1814533	500.0	521.3	
69 Methylcyclohexane	83	4.813	4.812	0.001	81	2384149	500.0	532.7	
70 Ethyl acrylate	55	4.825	4.818	0.007	98	5153699	500.0	527.3	
71 1,2-Dichloropropane	63	4.989	4.982	0.007	83	2155330	500.0	494.7	
* 72 1,4-Dioxane-d8	96	5.056	5.055	0.001	0	29455	1000.0	1000.0	M
73 Methyl methacrylate	100	5.081	5.074	0.007	92	700466	1000.0	1006.0	
75 1,4-Dioxane	88	5.117	5.116	0.001	87	224856	10000	10014	
74 Dibromomethane	93	5.123	5.116	0.007	88	1152536	500.0	496.2	
76 n-Propyl acetate	43	5.141	5.134	0.007	97	3697564	500.0	525.7	
77 Dichlorobromomethane	83	5.281	5.274	0.007	97	2628289	500.0	514.3	
78 2-Nitropropane	41	5.634	5.633	0.001	98	1426132	1000.0	1050.2	
79 2-Chloroethyl vinyl ether	63	5.646	5.639	0.007	92	1316962	501.2	579.5	
80 Epichlorohydrin	57	5.756	5.749	0.007	97	3336226	10000	10920	
81 cis-1,3-Dichloropropene	75	5.811	5.804	0.007	95	3210277	500.0	498.3	
82 4-Methyl-2-pentanone (MIBK)	43	5.993	5.992	0.001	98	11023134	2500.0	2562.3	
$ 83 Toluene-d8 (Surr)	98	6.066	6.059	0.007	96	568803	50.0	48.2	
84 Toluene	91	6.145	6.144	0.001	91	6745721	500.0	470.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.547	6.540	0.007	92	3028675	500.0	518.7	
86 Ethyl methacrylate	69	6.595	6.588	0.007	92	2248425	500.0	559.0	
87 1,1,2-Trichloroethane	83	6.784	6.777	0.007	92	1453693	500.0	487.4	
88 Tetrachloroethene	166	6.814	6.807	0.007	90	1512588	500.0	484.2	
89 1,3-Dichloropropane	76	7.009	7.008	0.001	89	2711178	500.0	479.0	
90 2-Hexanone	58	7.100	7.099	0.001	96	3401244	2500.0	2852.0	
91 n-Butyl acetate	43	7.246	7.239	0.007	94	4095860	500.0	518.2	
92 Chlorodibromomethane	129	7.264	7.258	0.006	95	1782759	500.0	510.4	
93 Ethylene Dibromide	107	7.429	7.422	0.007	98	1550882	500.0	486.8	
* 94 Chlorobenzene-d5	117	8.013	8.012	0.001	92	523014	50.0	50.0	
95 Chlorobenzene	112	8.049	8.042	0.007	87	4359826	500.0	493.9	
96 Ethylbenzene	106	8.159	8.152	0.007	98	2421399	500.0	530.9	
97 1,1,1,2-Tetrachloroethane	131	8.171	8.170	0.001	93	1658538	500.0	510.3	
98 m-Xylene & p-Xylene	106	8.311	8.304	0.007	0	2930631	500.0	534.2	
99 o-Xylene	106	8.761	8.754	0.007	92	2955271	500.0	543.4	
100 n-Butyl acrylate	73	8.773	8.772	0.001	94	1694602	500.0	500.1	
101 Styrene	104	8.791	8.791	0.000	89	5022145	500.0	540.8	
103 Bromoform	173	9.004	8.997	0.007	92	1186071	500.0	537.1	
102 Amyl acetate (mixed isomers)	43	9.023	9.016	0.007	85	5229237	500.0	537.3	
104 Isopropylbenzene	105	9.138	9.137	0.001	99	7028734	500.0	527.0	
$ 105 4-Bromofluorobenzene	174	9.339	9.332	0.007	83	181053	50.0	51.8	
106 Bromobenzene	156	9.461	9.460	0.001	90	1943380	500.0	479.8	
107 1,1,2,2-Tetrachloroethane	83	9.534	9.527	0.007	98	2258973	500.0	463.2	
108 N-Propylbenzene	91	9.546	9.545	0.001	98	9061402	500.0	477.3	
109 1,2,3-Trichloropropane	110	9.570	9.563	0.007	94	507389	500.0	470.6	
110 trans-1,4-Dichloro-2-butene	53	9.594	9.594	0.000	86	911864	500.0	501.4	
111 2-Chlorotoluene	91	9.643	9.642	0.001	98	6889800	500.0	498.4	
112 4-Ethyltoluene	105	9.661	9.654	0.007	97	7758209	500.0	508.7	
113 1,3,5-Trimethylbenzene	105	9.728	9.721	0.007	91	6418190	500.0	502.0	
114 4-Chlorotoluene	91	9.759	9.752	0.007	99	6344211	500.0	486.9	
115 Butyl Methacrylate	87	9.838	9.837	0.001	92	2716464	500.0	500.1	
116 tert-Butylbenzene	119	10.008	10.001	0.007	87	4931296	500.0	504.1	
117 1,2,4-Trimethylbenzene	105	10.063	10.056	0.007	99	6722591	500.0	502.0	
118 sec-Butylbenzene	105	10.203	10.196	0.007	97	7249874	500.0	495.7	
120 1,3-Dichlorobenzene	146	10.318	10.317	0.001	89	3725833	500.0	497.5	
119 4-Isopropyltoluene	119	10.331	10.324	0.007	95	6378534	500.0	518.7	
* 121 1,4-Dichlorobenzene-d4	152	10.385	10.384	0.001	96	315287	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.410	10.403	0.007	89	3804324	500.0	489.9	
123 1,2,3-Trimethylbenzene	105	10.428	10.421	0.007	97	7274756	500.0	500.2	
124 Benzyl chloride	91	10.537	10.530	0.007	96	4157203	500.0	528.9	
125 2,3-Dihydroindene	117	10.592	10.585	0.007	93	6640560	500.0	497.6	
126 p-Diethylbenzene	119	10.653	10.646	0.007	93	4096660	500.0	531.9	
127 n-Butylbenzene	92	10.671	10.664	0.007	97	3524566	500.0	508.2	
128 1,2-Dichlorobenzene	146	10.720	10.713	0.007	91	3590041	500.0	484.3	
129 1,2,4,5-Tetramethylbenzene	119	11.273	11.273	0.000	95	6523747	500.0	543.0	
130 1,2-Dibromo-3-Chloropropane	157	11.359	11.352	0.007	89	398359	500.0	510.3	
131 1,3,5-Trichlorobenzene	180	11.468	11.461	0.007	94	2504349	500.0	502.6	
132 1,2,4-Trichlorobenzene	180	11.943	11.936	0.007	93	2300164	500.0	507.9	
133 Hexachlorobutadiene	225	12.022	12.021	0.001	90	803392	500.0	494.6	
134 Naphthalene	128	12.125	12.124	0.001	97	5695656	500.0	504.7	
135 1,2,3-Trichlorobenzene	180	12.302	12.295	0.007	93	2096295	500.0	508.7	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	987.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		1000.0	1077.6	
S 138 Total BTEX	1				0		2500.0	2527.9	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MIX I Hi_00158	Amount Added: 50.00	Units: uL		
MIX 2 Hi_00131	Amount Added: 50.00	Units: uL		
Ethanol mix_00072	Amount Added: 50.00	Units: uL		
GAS Hi_00434	Amount Added: 50.00	Units: uL		
8FreonHi_00052	Amount Added: 50.00	Units: uL		
ACROLEIN W_00148	Amount Added: 40.00	Units: uL		
8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent	
8260SURR250_00235	Amount Added: 1.00	Units: uL	Run Reagent	

Report Date: 17-Jan-2023 21:27:33 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85640.D

Injection Date: 17-Jan-2023 13:19:30 Instrument ID: CVOAMS8 Operator ID:

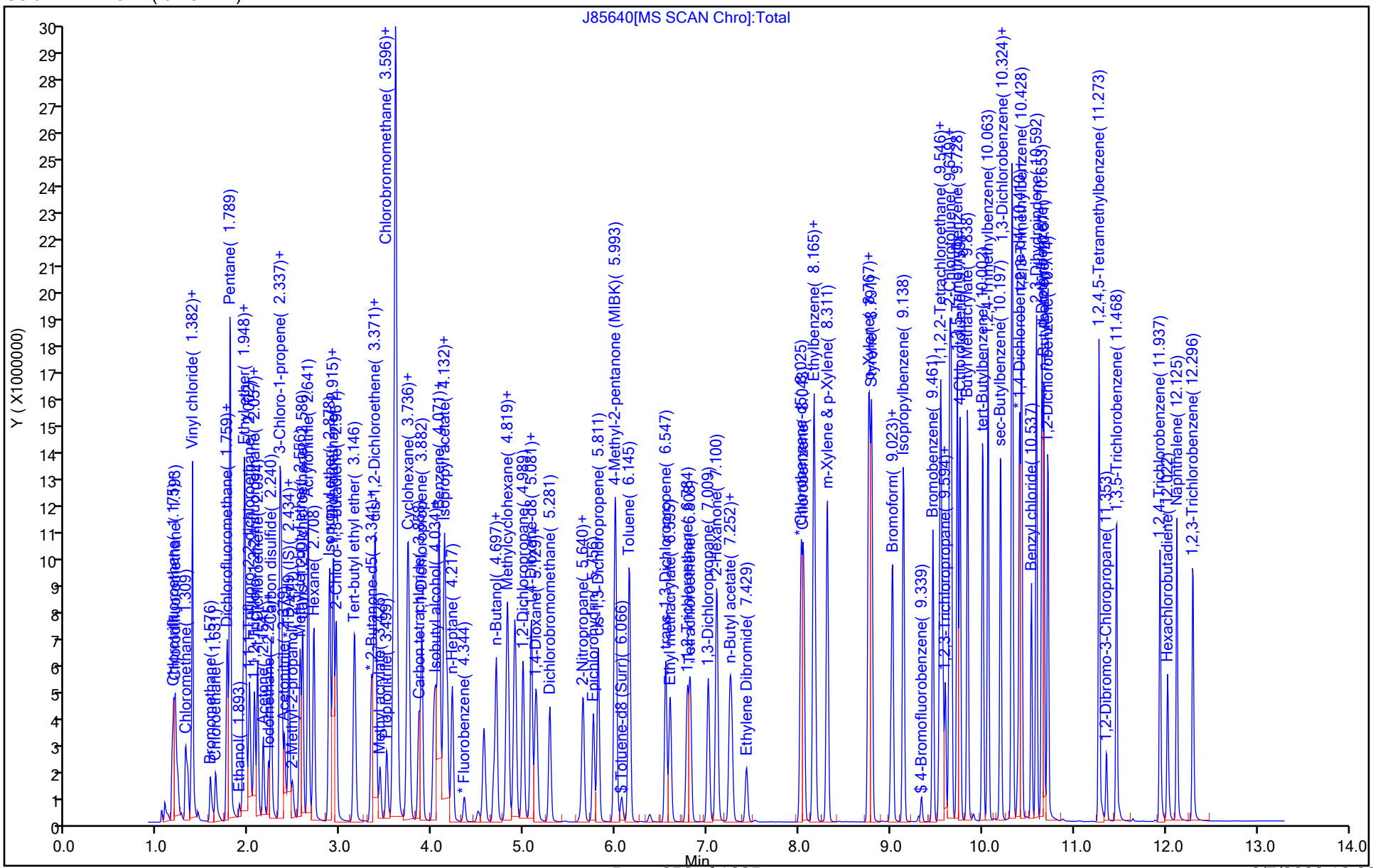
Lims ID: STD500 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

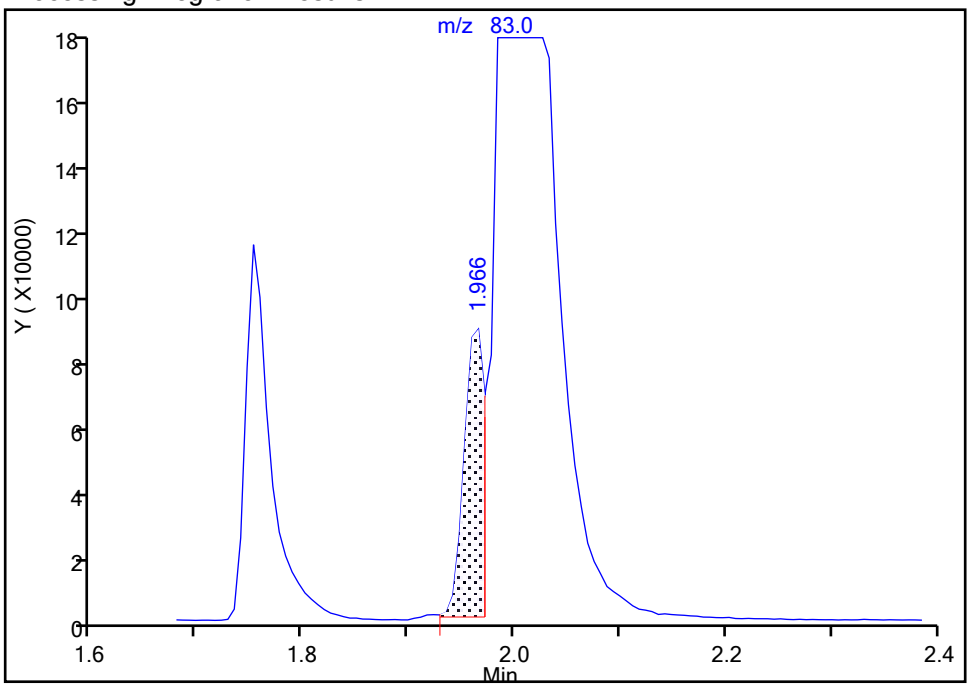
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85640.D
Injection Date: 17-Jan-2023 13:19:30 Instrument ID: CVOAMS8
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

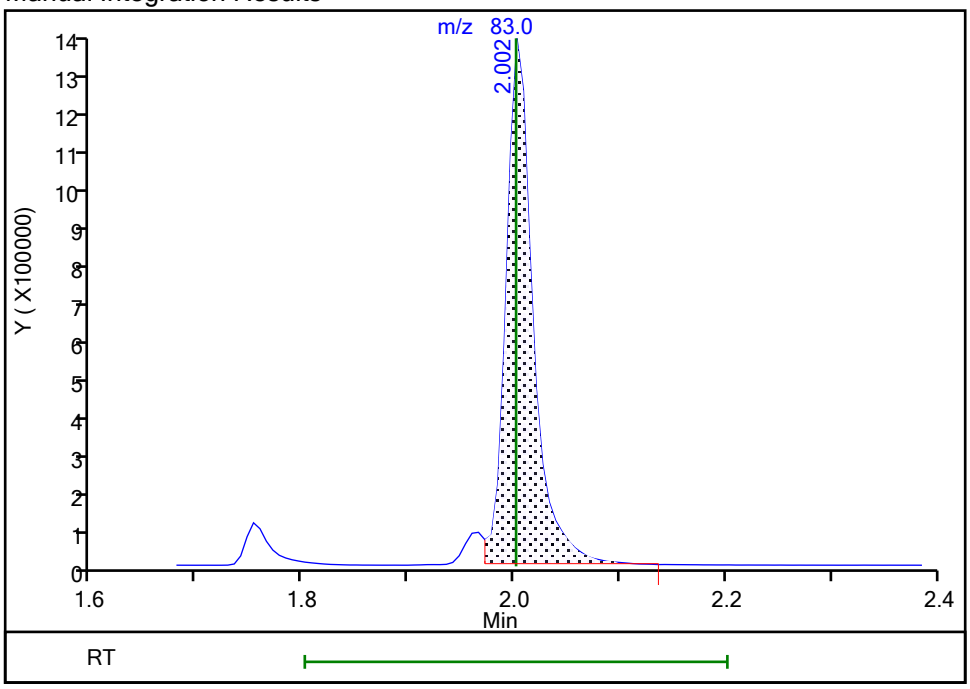
Processing Integration Results

RT: 1.97
Area: 115757
Amount: 28.438276
Amount Units: ug/l



Manual Integration Results

RT: 2.00
Area: 2455211
Amount: 515.0159
Amount Units: ug/l



Reviewer: K0HS, 17-Jan-2023 13:39:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

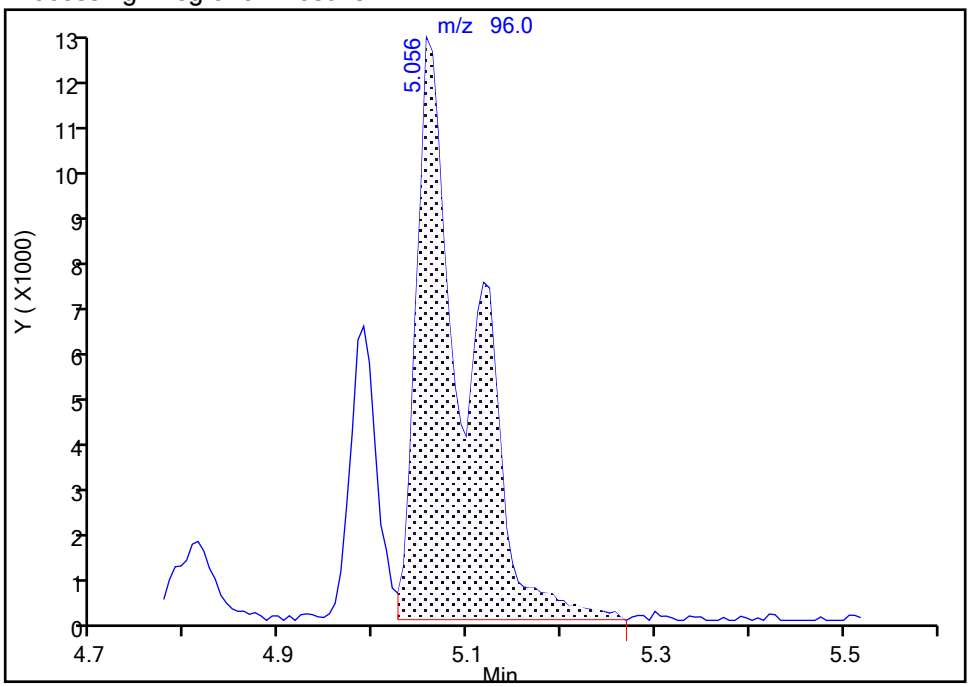
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85640.D
Injection Date: 17-Jan-2023 13:19:30 Instrument ID: CVOAMS8
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 72 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

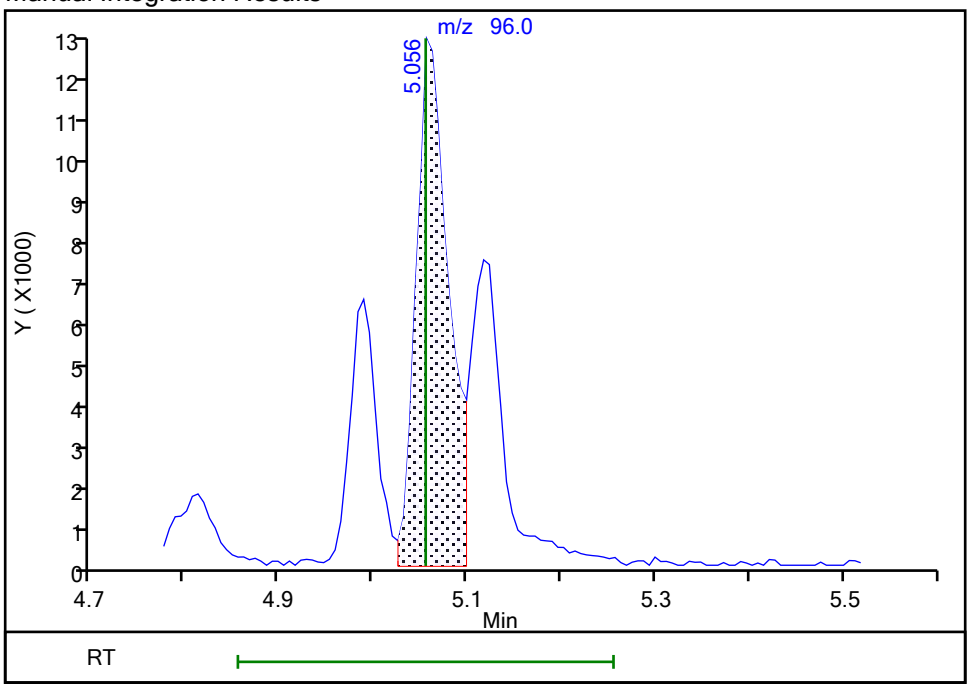
Processing Integration Results

RT: 5.06
Area: 45835
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.06
Area: 29455
Amount: 1000.0000
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:47:09
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Jan-2023 14:34:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0155710-011
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:27:39 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: W9CM Date: 17-Jan-2023 17:40:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.156	1.156	0.000	91	70147	200.0	201.6	
4 Dichlorodifluoromethane	85	1.180	1.180	0.000	99	1281132	200.0	236.5	
5 Chlorodifluoromethane	67	1.198	1.192	0.006	97	172651	200.0	178.4	
6 Chloromethane	50	1.308	1.308	0.000	99	1591331	200.0	214.3	
7 Vinyl chloride	62	1.363	1.363	0.000	98	1034465	200.0	209.1	
8 Butadiene	54	1.381	1.381	0.000	89	1090432	200.0	217.9	
9 Bromomethane	94	1.576	1.576	0.000	99	431266	200.0	205.6	
10 Chloroethane	64	1.636	1.630	0.006	96	512526	200.0	201.1	
12 Dichlorofluoromethane	67	1.752	1.752	0.000	98	1484719	200.0	195.5	
11 Trichlorofluoromethane	101	1.764	1.764	0.000	98	1145851	200.0	204.6	
13 Pentane	43	1.795	1.795	0.000	94	3198053	400.0	386.6	
14 Ethanol	46	1.892	1.892	0.000	96	69329	8000.0	5859.8	M
15 Ethyl ether	59	1.935	1.928	0.007	85	568646	200.0	187.8	
16 2-Methyl-1,3-butadiene	53	1.953	1.947	0.006	95	835009	200.0	196.6	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.965	1.959	0.006	98	465710	200.0	195.8	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.001	2.001	0.000	97	888589	200.0	189.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.056	2.056	0.000	93	590426	200.0	190.5	
19 Acrolein	56	2.062	2.062	0.000	95	115898	200.0	211.9	
21 1,1-Dichloroethene	96	2.093	2.093	0.000	91	519576	200.0	190.6	
22 Acetone	43	2.154	2.153	0.001	83	1173513	1000.0	948.4	
23 Iodomethane	142	2.214	2.208	0.006	99	691900	200.0	204.2	
25 Isopropyl alcohol	45	2.214	2.208	0.006	51	243278	2000.0	1498.9	
24 Carbon disulfide	76	2.239	2.239	0.000	99	2185312	200.0	191.0	
26 3-Chloro-1-propene	76	2.336	2.330	0.006	90	384645	200.0	195.6	
28 Methyl acetate	43	2.336	2.336	0.000	97	1372292	400.0	345.1	
27 Cyclopentene	67	2.348	2.348	0.000	95	1534788	200.0	195.8	
29 Acetonitrile	41	2.385	2.379	0.006	97	1101666	2000.0	1800.9	
* 30 TBA-d9 (IS)	65	2.415	2.415	0.000	86	299893	1000.0	1000.0	
31 Methylene Chloride	84	2.433	2.433	0.000	93	622874	200.0	182.4	
32 2-Methyl-2-propanol	59	2.470	2.470	0.000	98	339646	2000.0	1615.8	

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	2.555	2.555	0.000	93	1716209	200.0	188.7	
34 trans-1,2-Dichloroethene	96	2.585	2.579	0.006	95	583498	200.0	189.1	
35 Acrylonitrile	53	2.640	2.640	0.000	91	2507562	2000.0	1796.1	
36 Hexane	57	2.707	2.707	0.000	90	956765	200.0	205.7	
37 Isopropyl ether	45	2.877	2.877	0.000	97	2909047	200.0	184.5	
38 1,1-Dichloroethane	63	2.914	2.908	0.006	99	1384736	200.0	187.8	
39 Vinyl acetate	43	2.920	2.920	0.000	100	3559237	400.0	464.4	
40 2-Chloro-1,3-butadiene	88	2.950	2.950	0.000	95	531009	200.0	192.1	
41 Tert-butyl ethyl ether	59	3.145	3.145	0.000	85	2046706	200.0	186.1	
* 43 2-Butanone-d5	46	3.328	3.328	0.000	81	453262	250.0	250.0	
42 2,2-Dichloropropane	79	3.340	3.334	0.006	91	324494	200.0	187.3	
44 cis-1,2-Dichloroethene	96	3.364	3.358	0.006	89	627347	200.0	190.3	
46 2-Butanone (MEK)	72	3.376	3.376	0.000	94	278633	1000.0	989.6	
45 Ethyl acetate	70	3.376	3.382	-0.006	95	117309	400.0	375.4	
47 Methyl acrylate	55	3.425	3.425	0.000	99	566906	200.0	165.3	
48 Propionitrile	54	3.498	3.492	0.006	96	822672	2000.0	1703.2	
50 Chlorobromomethane	128	3.565	3.565	0.000	94	284887	200.0	176.9	
49 Tetrahydrofuran	72	3.571	3.565	0.006	78	119596	400.0	386.2	
51 Methacrylonitrile	67	3.589	3.589	0.000	98	2372170	2000.0	1776.7	
52 Chloroform	83	3.614	3.607	0.007	96	1160613	200.0	182.2	
53 Cyclohexane	84	3.729	3.723	0.006	96	789265	200.0	190.2	
54 1,1,1-Trichloroethane	97	3.741	3.741	0.000	98	936380	200.0	183.5	
$ 55 Dibromofluoromethane (Surr)	113	3.760	3.753	0.007	95	146937	50.0	48.0	
56 Carbon tetrachloride	117	3.851	3.851	0.000	97	818593	200.0	186.6	
57 1,1-Dichloropropene	75	3.881	3.881	0.000	89	905621	200.0	185.7	
58 Isobutyl alcohol	43	4.009	4.009	0.000	96	976379	5000.0	4710.3	
59 Isooctane	57	4.039	4.033	0.006	96	1617958	200.0	193.0	
60 Benzene	78	4.070	4.070	0.000	98	2558507	200.0	185.9	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.088	4.082	0.006	0	233899	50.0	48.6	
62 Isopropyl acetate	43	4.131	4.125	0.006	93	2553996	200.0	185.0	
63 Tert-amyl methyl ether	55	4.131	4.125	0.006	91	528840	200.0	168.8	
64 1,2-Dichloroethane	62	4.161	4.155	0.006	96	1140743	200.0	185.7	
65 n-Heptane	57	4.216	4.216	0.000	95	393629	200.0	203.7	
* 66 Fluorobenzene	96	4.350	4.344	0.006	96	657811	50.0	50.0	
67 n-Butanol	56	4.666	4.666	0.000	94	210944	5000.0	4183.5	
68 Trichloroethene	95	4.696	4.690	0.006	91	653930	200.0	190.9	
69 Methylcyclohexane	83	4.818	4.812	0.006	79	922432	200.0	209.4	
70 Ethyl acrylate	55	4.824	4.818	0.006	98	1984992	200.0	206.3	
71 1,2-Dichloropropane	63	4.988	4.982	0.006	83	822382	200.0	191.8	
* 72 1,4-Dioxane-d8	96	5.061	5.055	0.006	0	28185	1000.0	1000.0	M
73 Methyl methacrylate	100	5.080	5.074	0.006	89	252798	400.0	368.8	
75 1,4-Dioxane	88	5.116	5.116	0.000	29	49441	4000.0	3805.7	M
74 Dibromomethane	93	5.122	5.116	0.006	88	445111	200.0	194.7	
76 n-Propyl acetate	43	5.141	5.134	0.006	97	1356274	200.0	195.9	
77 Dichlorobromomethane	83	5.280	5.274	0.006	97	985908	200.0	196.0	
78 2-Nitropropane	41	5.633	5.633	0.000	98	511703	400.0	377.9	
79 2-Chloroethyl vinyl ether	63	5.645	5.639	0.006	84	471675	200.5	210.8	
80 Epichlorohydrin	57	5.755	5.749	0.006	97	1237563	4000.0	4373.5	
81 cis-1,3-Dichloropropene	75	5.810	5.804	0.006	95	1221658	200.0	200.0	
82 4-Methyl-2-pentanone (MIBK)	43	5.992	5.992	0.000	97	4373943	1000.0	1097.7	
$ 83 Toluene-d8 (Surr)	98	6.065	6.059	0.006	96	556112	50.0	49.7	
84 Toluene	91	6.144	6.144	0.000	91	2578709	200.0	189.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.546	6.540	0.006	93	1138905	200.0	205.7	
86 Ethyl methacrylate	69	6.594	6.588	0.006	92	824002	200.0	208.1	
87 1,1,2-Trichloroethane	83	6.777	6.777	0.000	92	540309	200.0	191.1	
88 Tetrachloroethene	166	6.813	6.807	0.006	90	558087	200.0	188.4	
89 1,3-Dichloropropane	76	7.008	7.008	0.000	89	1028670	200.0	191.7	
90 2-Hexanone	58	7.099	7.099	0.000	96	1277062	1000.0	1156.1	
91 n-Butyl acetate	43	7.245	7.239	0.006	94	1507947	200.0	201.2	
92 Chlorodibromomethane	129	7.264	7.258	0.006	95	649463	200.0	196.1	
93 Ethylene Dibromide	107	7.428	7.422	0.006	98	584423	200.0	193.5	
* 94 Chlorobenzene-d5	117	8.012	8.012	0.000	93	495891	50.0	50.0	
95 Chlorobenzene	112	8.048	8.042	0.006	87	1617717	200.0	193.3	
96 Ethylbenzene	106	8.158	8.152	0.006	99	853096	200.0	197.3	
97 1,1,1,2-Tetrachloroethane	131	8.170	8.170	0.000	92	591875	200.0	192.1	
98 m-Xylene & p-Xylene	106	8.310	8.304	0.006	0	1043102	200.0	200.5	
99 o-Xylene	106	8.760	8.754	0.006	91	1065527	200.0	206.6	
100 n-Butyl acrylate	73	8.778	8.772	0.006	93	585109	200.0	199.2	
101 Styrene	104	8.791	8.791	0.000	90	1858079	200.0	211.0	
103 Bromoform	173	9.004	8.997	0.007	92	416438	200.0	198.9	
102 Amyl acetate (mixed isomers)	43	9.022	9.016	0.006	84	1892023	200.0	214.7	
104 Isopropylbenzene	105	9.137	9.137	0.000	98	2583047	200.0	204.3	
$ 105 4-Bromofluorobenzene	174	9.338	9.332	0.006	83	169898	50.0	51.3	
106 Bromobenzene	156	9.460	9.460	0.000	90	687546	200.0	187.5	
107 1,1,2,2-Tetrachloroethane	83	9.533	9.527	0.006	98	857525	200.0	194.2	
108 N-Propylbenzene	91	9.545	9.545	0.000	97	3447947	200.0	200.6	
109 1,2,3-Trichloropropane	110	9.569	9.563	0.006	94	182372	200.0	186.8	
110 trans-1,4-Dichloro-2-butene	53	9.594	9.594	0.000	84	326798	200.0	198.5	
111 2-Chlorotoluene	91	9.642	9.642	0.000	98	2457028	200.0	196.3	
112 4-Ethyltoluene	105	9.661	9.654	0.007	97	2722655	200.0	197.2	
113 1,3,5-Trimethylbenzene	105	9.727	9.721	0.006	91	2334537	200.0	201.7	
114 4-Chlorotoluene	91	9.752	9.752	0.000	99	2301417	200.0	195.1	
115 Butyl Methacrylate	87	9.837	9.837	0.000	91	921007	200.0	199.2	
116 tert-Butylbenzene	119	10.001	10.001	0.000	87	1786515	200.0	201.7	
117 1,2,4-Trimethylbenzene	105	10.062	10.056	0.006	99	2458837	200.0	202.8	
118 sec-Butylbenzene	105	10.196	10.196	0.000	97	2687066	200.0	203.0	
120 1,3-Dichlorobenzene	146	10.324	10.317	0.007	93	1331078	200.0	196.3	
119 4-Isopropyltoluene	119	10.330	10.324	0.006	96	2346486	200.0	210.8	
* 121 1,4-Dichlorobenzene-d4	152	10.384	10.384	0.000	96	285423	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.409	10.403	0.006	90	1359920	200.0	193.5	
123 1,2,3-Trimethylbenzene	105	10.427	10.421	0.006	98	2593144	200.0	197.0	
124 Benzyl chloride	91	10.537	10.530	0.007	96	1637294	200.0	230.1	
125 2,3-Dihydroindene	117	10.591	10.585	0.006	93	2397331	200.0	198.4	
126 p-Diethylbenzene	119	10.652	10.646	0.006	90	1428303	200.0	204.8	
127 n-Butylbenzene	92	10.670	10.664	0.006	96	1288519	200.0	205.2	
128 1,2-Dichlorobenzene	146	10.713	10.713	0.000	92	1300924	200.0	193.9	
129 1,2,4,5-Tetramethylbenzene	119	11.273	11.273	0.000	96	2388624	200.0	219.6	
130 1,2-Dibromo-3-Chloropropane	157	11.358	11.352	0.006	87	144203	200.0	204.1	
131 1,3,5-Trichlorobenzene	180	11.467	11.461	0.006	94	910276	200.0	201.8	
132 1,2,4-Trichlorobenzene	180	11.942	11.936	0.006	93	828595	200.0	202.1	
133 Hexachlorobutadiene	225	12.021	12.021	0.000	91	295197	200.0	200.8	
134 Naphthalene	128	12.124	12.124	0.000	97	2113093	200.0	206.8	
135 1,2,3-Trichlorobenzene	180	12.301	12.295	0.006	93	749229	200.0	200.8	
S 136 1,2-Dichloroethene, Total	100				0		400.0	379.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		400.0	407.2	
S 138 Total BTEX	1				0		1000.0	980.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00434	Amount Added:	20.00	Units: uL	
8FreonHi_00052	Amount Added:	20.00	Units: uL	
Ethanol mix_00072	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00131	Amount Added:	20.00	Units: uL	
MIX I Hi_00158	Amount Added:	20.00	Units: uL	
ACROLEIN W_00148	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jan-2023 21:27:40 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Injection Date: 17-Jan-2023 14:34:30 Instrument ID: CVOAMS8 Operator ID:

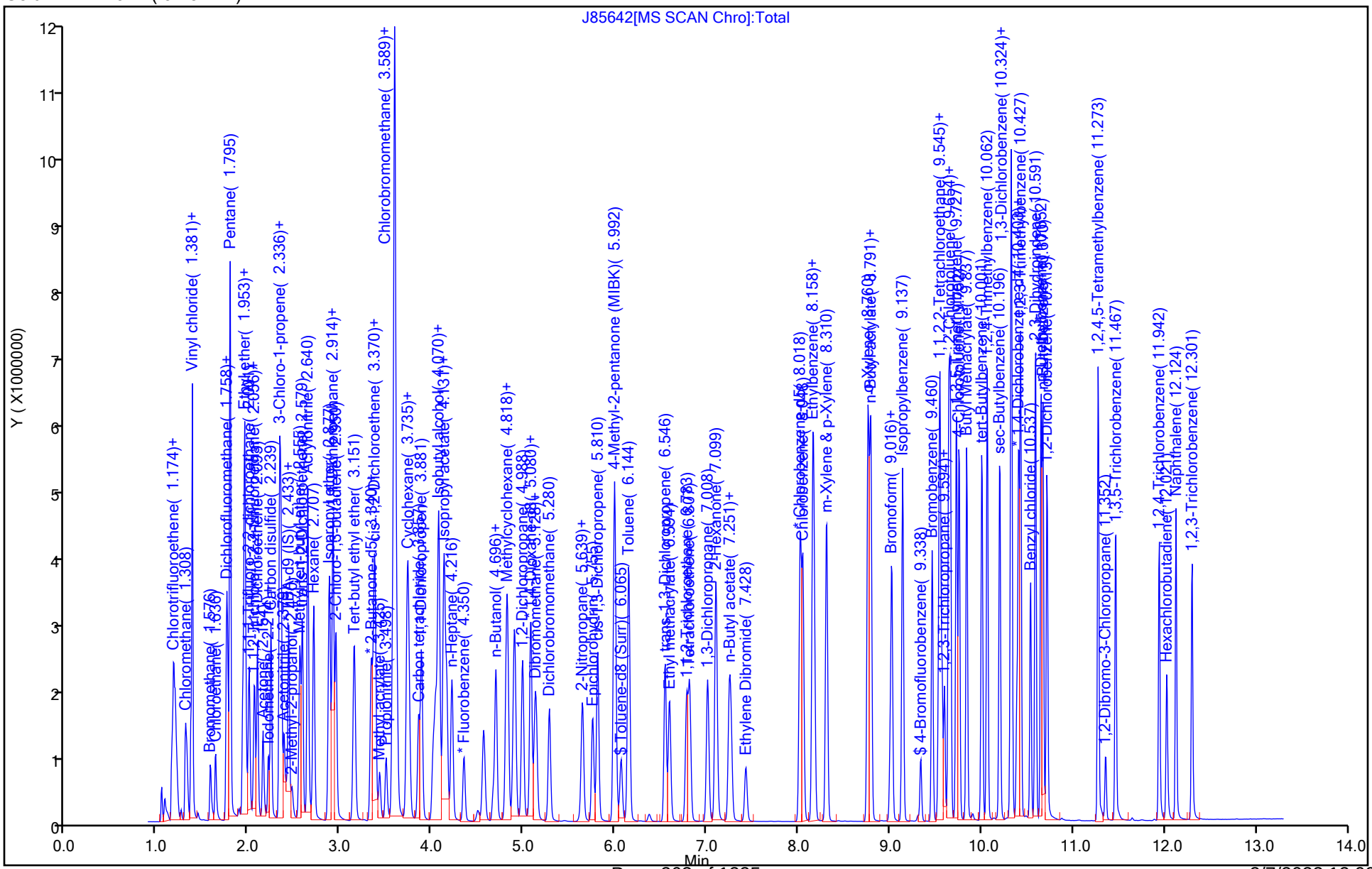
Lims ID: STD200 Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

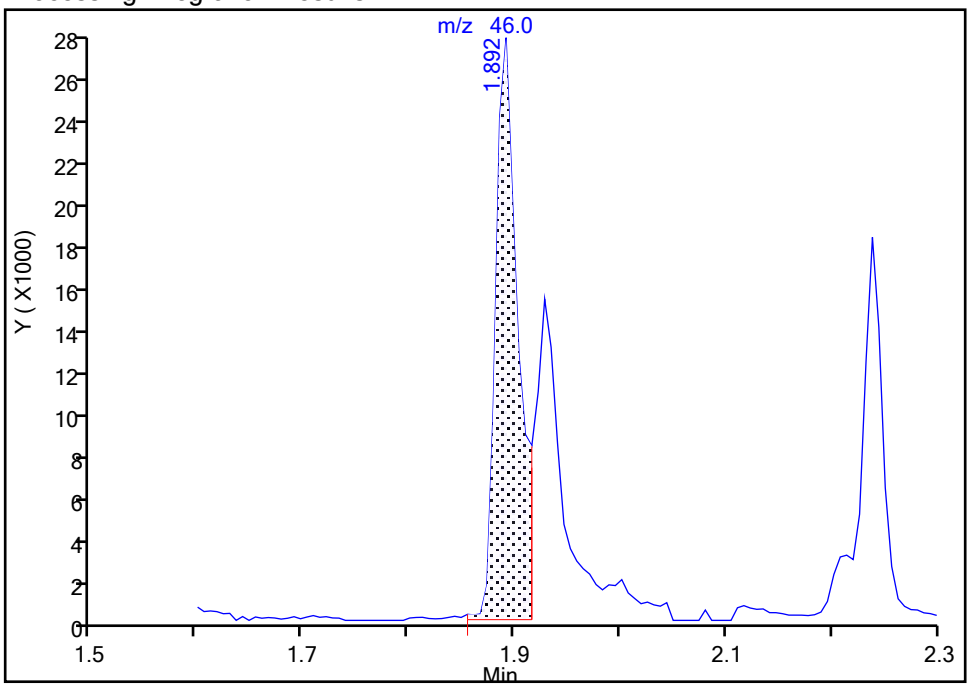
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D
Injection Date: 17-Jan-2023 14:34:30 Instrument ID: CVOAMS8
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

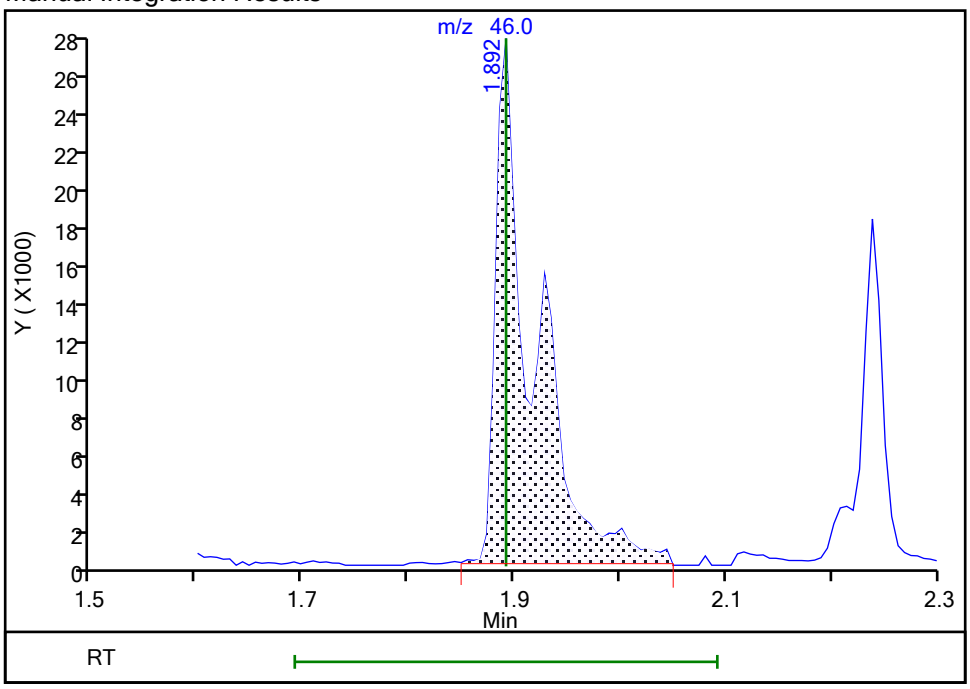
Processing Integration Results

RT: 1.89
Area: 41788
Amount: 4208.2827
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 69329
Amount: 5859.7808
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:18:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

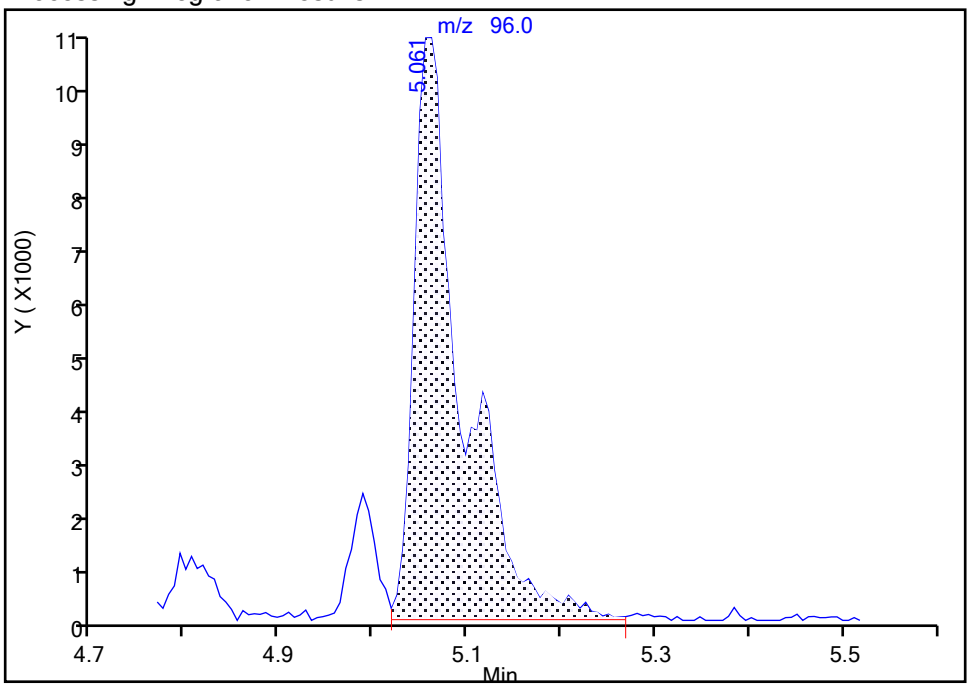
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D
Injection Date: 17-Jan-2023 14:34:30 Instrument ID: CVOAMS8
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 72 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

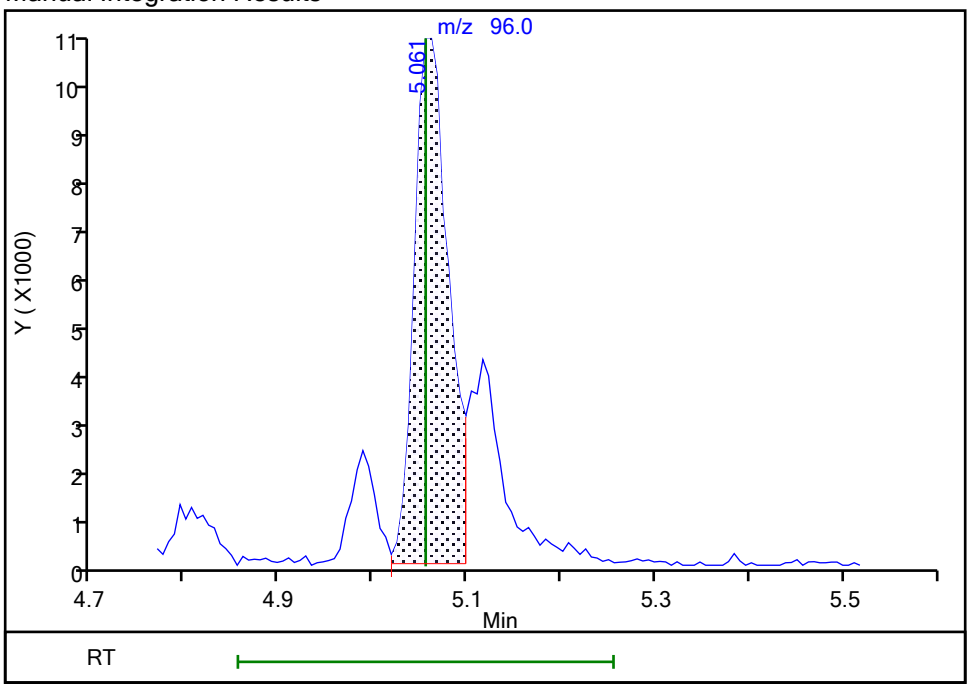
Processing Integration Results

RT: 5.06
Area: 38946
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.06
Area: 28185
Amount: 1000.0000
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:48:11
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

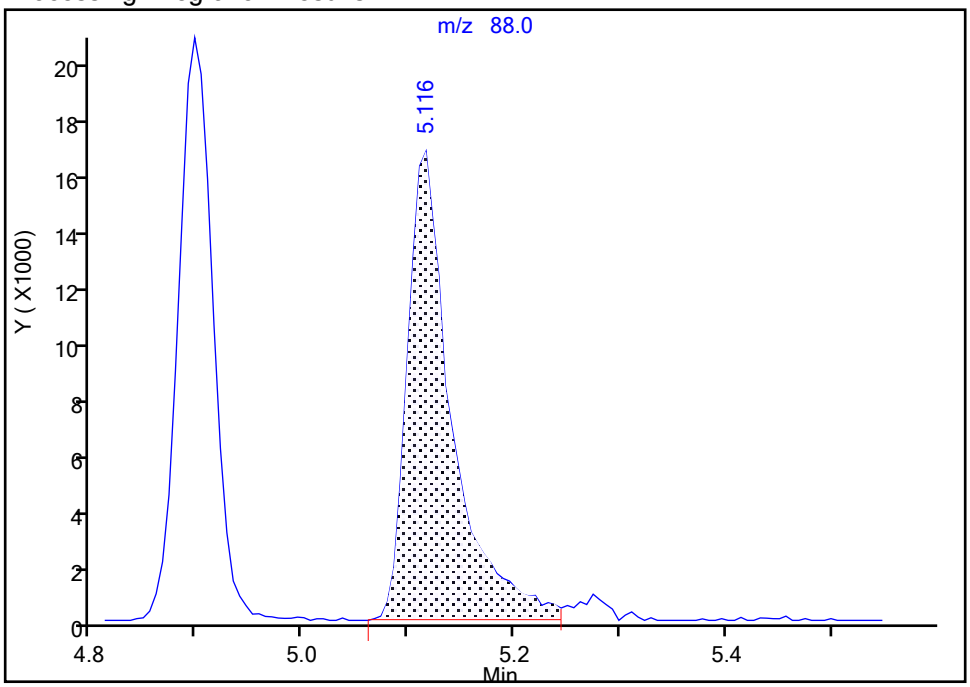
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D
Injection Date: 17-Jan-2023 14:34:30 Instrument ID: CVOAMS8
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

75 1,4-Dioxane, CAS: 123-91-1

Signal: 1

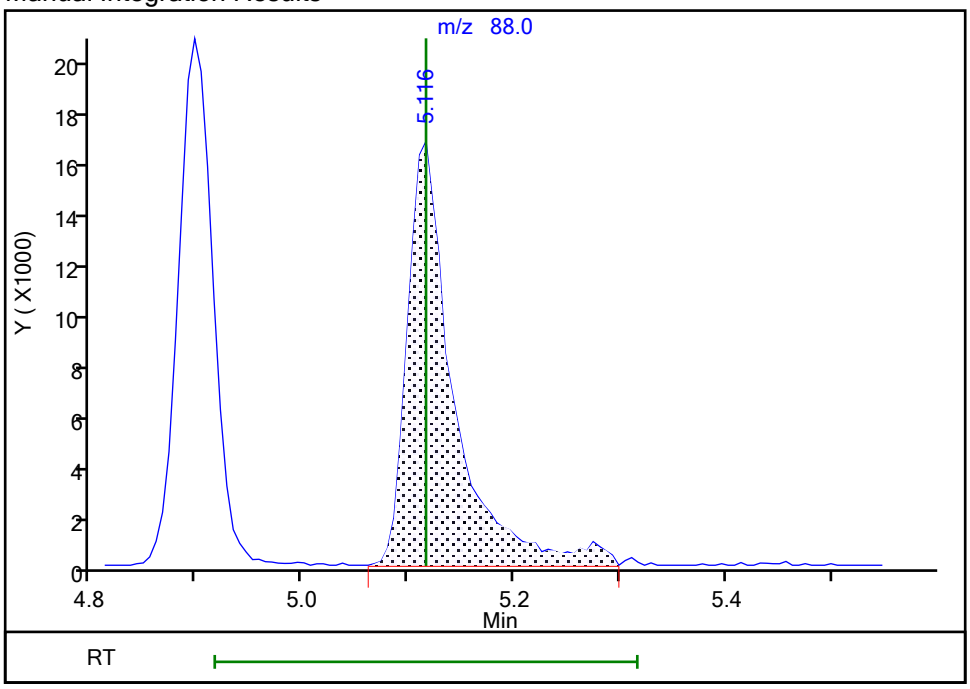
Processing Integration Results

RT: 5.12
Area: 47743
Amount: 3790.7087
Amount Units: ug/l



Manual Integration Results

RT: 5.12
Area: 49441
Amount: 3805.7196
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:52:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / Chlorotrifluoroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

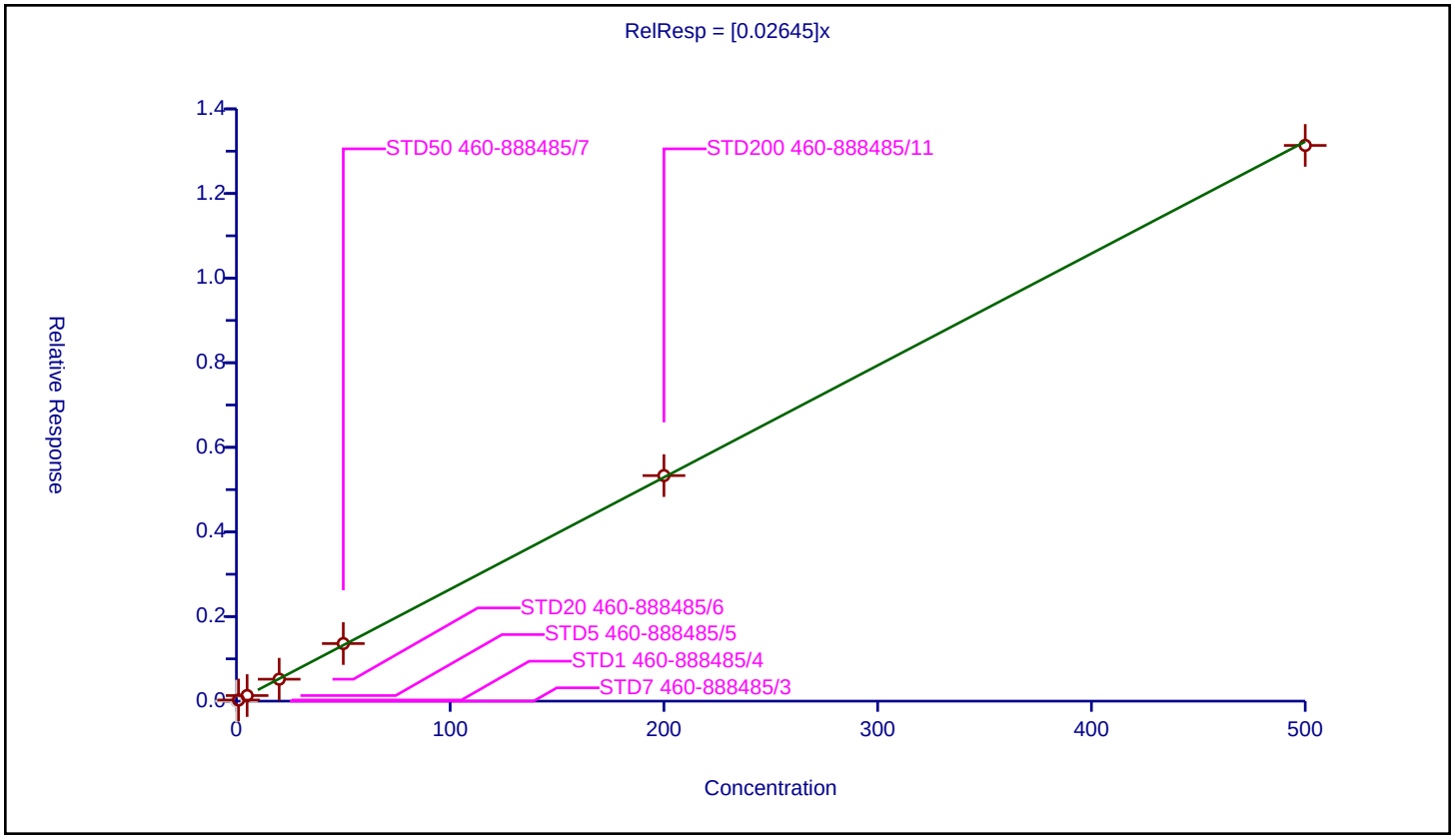
Curve Coefficients

Intercept:	0
Slope:	0.02645

Error Coefficients

Standard Error:	84900
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.026256	50.0	599867.0	0.026256	Y
3	STD5 460-888485/5	5.0	0.131917	50.0	582943.0	0.026383	Y
4	STD20 460-888485/6	20.0	0.518452	50.0	570545.0	0.025923	Y
5	STD50 460-888485/7	50.0	1.360851	50.0	575559.0	0.027217	Y
6	STD200 460-888485/11	200.0	5.331851	50.0	657811.0	0.026659	Y
7	STD500 460-888485/9	500.0	13.136835	50.0	668285.0	0.026274	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

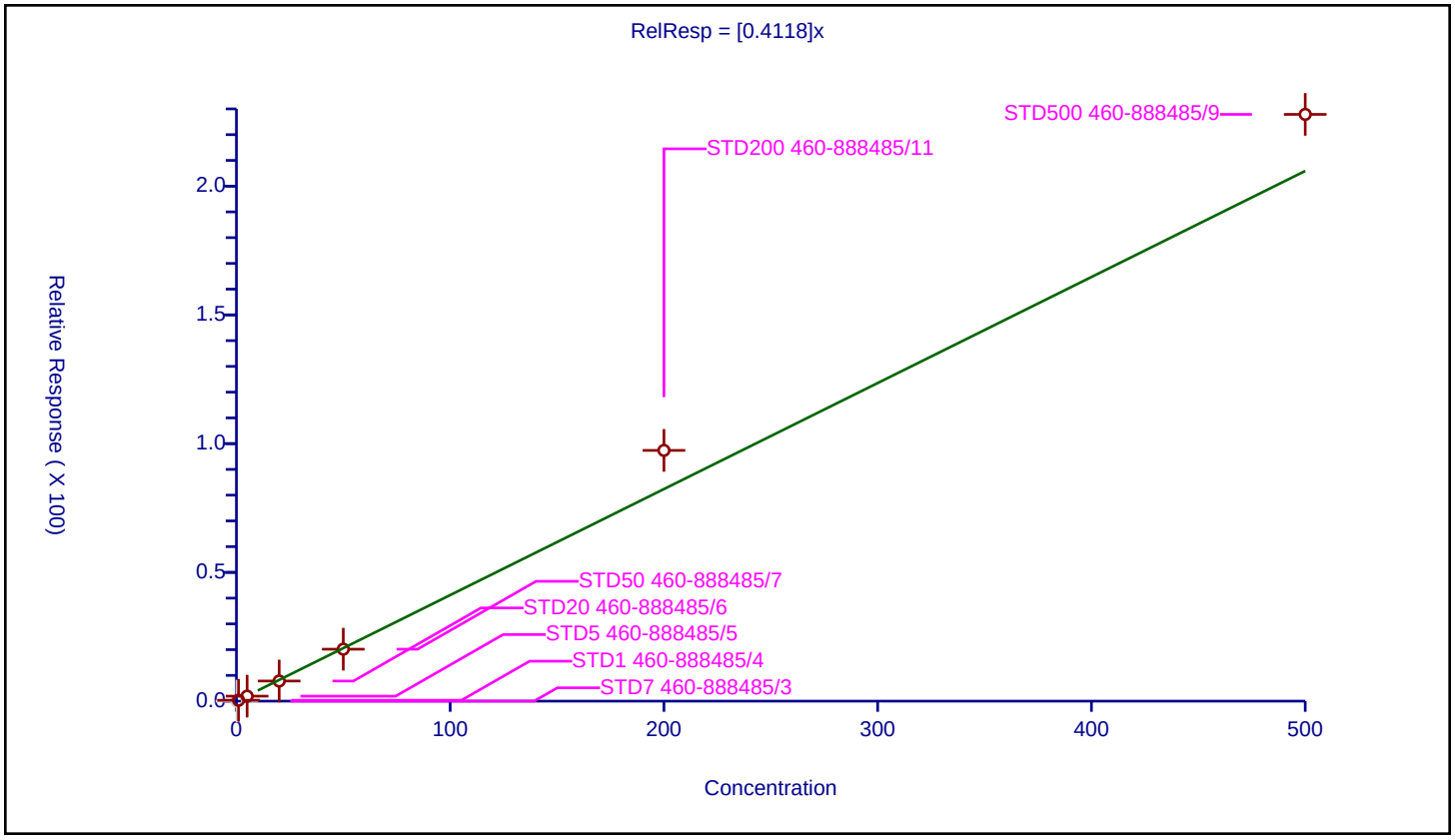
Curve Coefficients

Intercept:	0
Slope:	0.4118

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.346243	50.0	599867.0	0.346243	Y
3	STD5 460-888485/5	5.0	1.937239	50.0	582943.0	0.387448	Y
4	STD20 460-888485/6	20.0	7.817087	50.0	570545.0	0.390854	Y
5	STD50 460-888485/7	50.0	20.176646	50.0	575559.0	0.403533	Y
6	STD200 460-888485/11	200.0	97.378426	50.0	657811.0	0.486892	Y
7	STD500 460-888485/9	500.0	227.864758	50.0	668285.0	0.45573	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

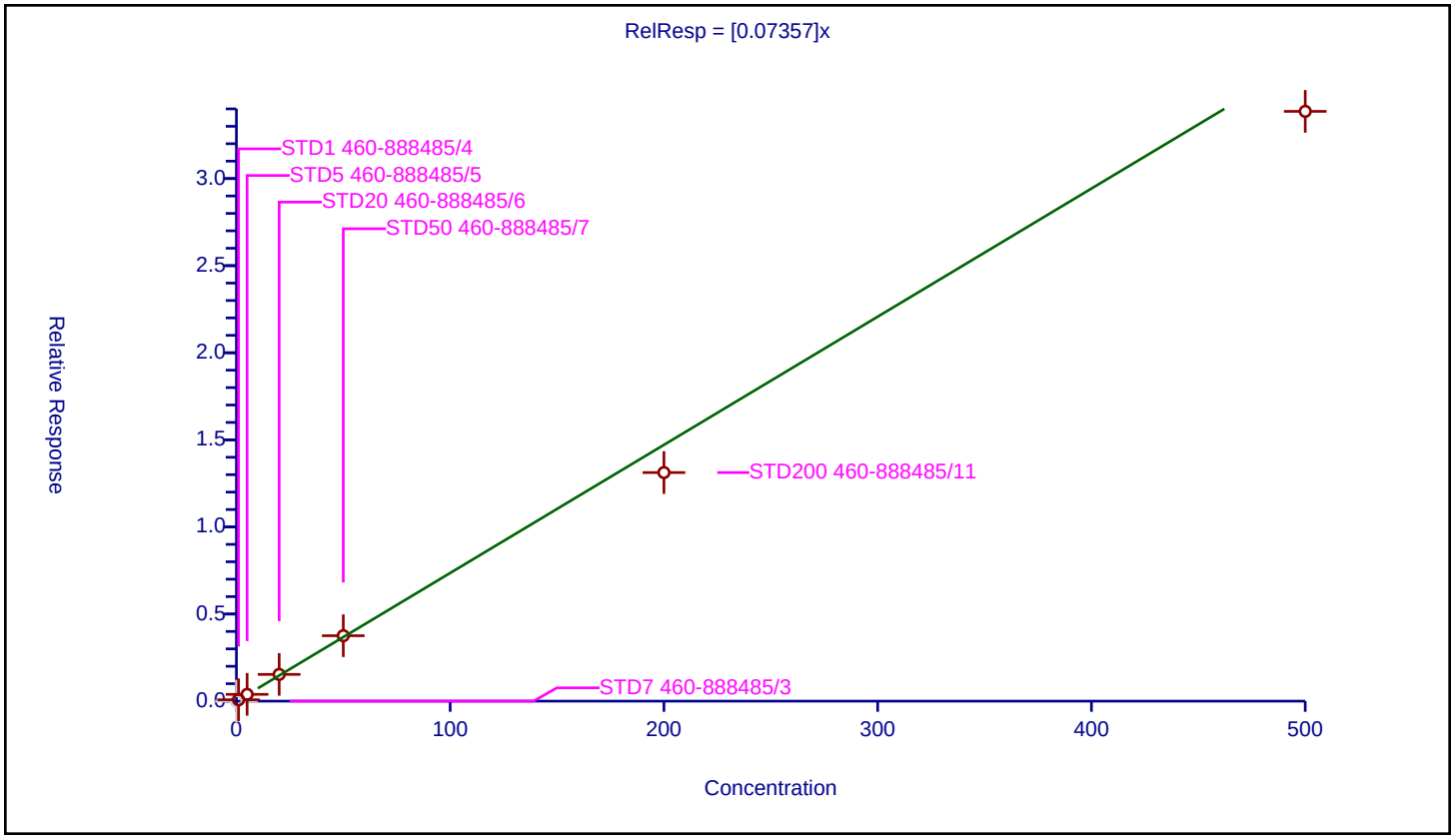
Curve Coefficients

Intercept:	0
Slope:	0.07357

Error Coefficients

Standard Error:	218000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.078434	50.0	599867.0	0.078434	Y
3	STD5 460-888485/5	5.0	0.388803	50.0	582943.0	0.077761	Y
4	STD20 460-888485/6	20.0	1.534761	50.0	570545.0	0.076738	Y
5	STD50 460-888485/7	50.0	3.756609	50.0	575559.0	0.075132	Y
6	STD200 460-888485/11	200.0	13.123146	50.0	657811.0	0.065616	Y
7	STD500 460-888485/9	500.0	33.858533	50.0	668285.0	0.067717	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

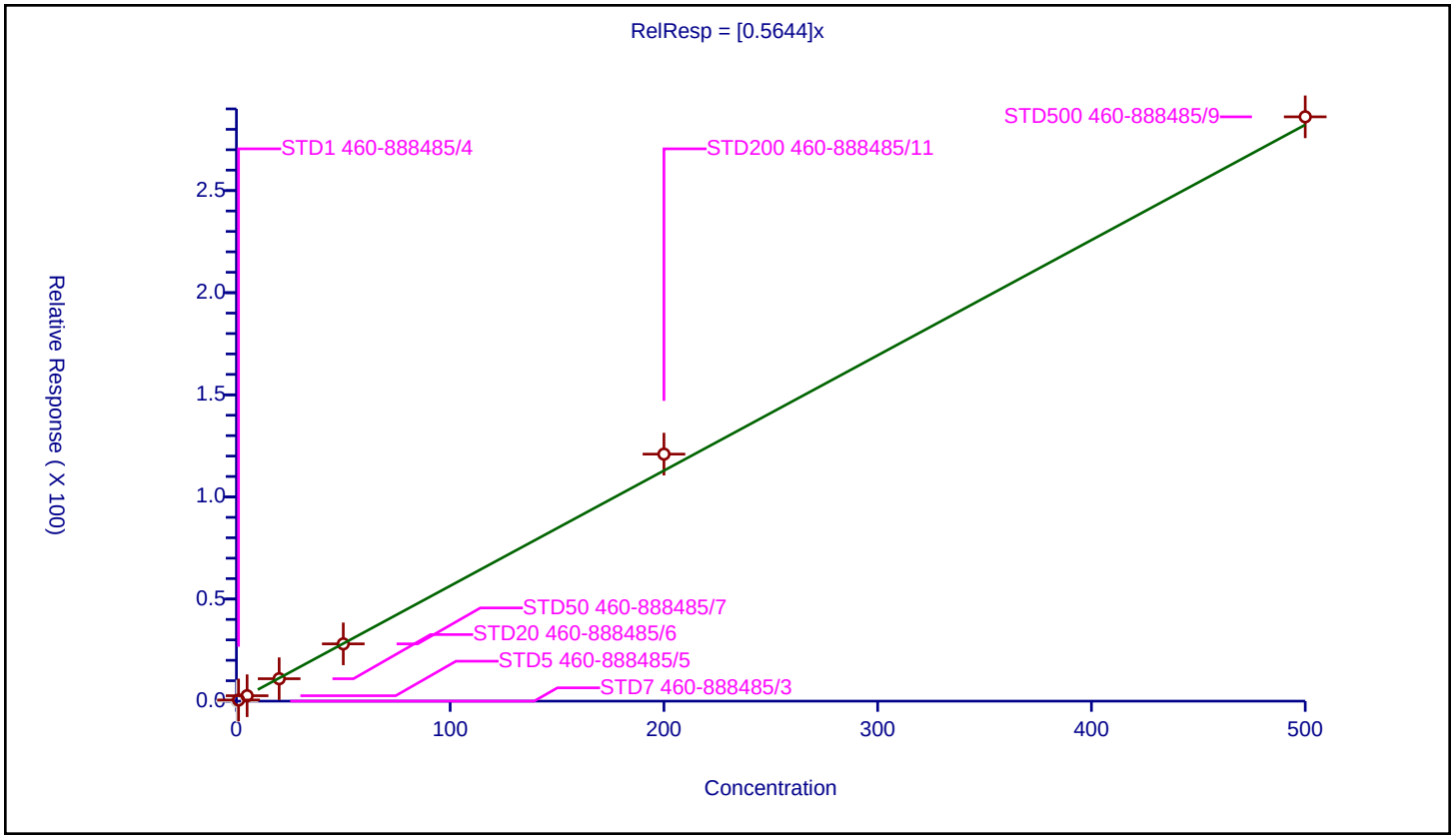
Curve Coefficients

Intercept:	0
Slope:	0.5644

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.570293	50.0	599867.0	0.570293	Y
3	STD5 460-888485/5	5.0	2.647943	50.0	582943.0	0.529589	Y
4	STD20 460-888485/6	20.0	10.973718	50.0	570545.0	0.548686	Y
5	STD50 460-888485/7	50.0	28.044649	50.0	575559.0	0.560893	Y
6	STD200 460-888485/11	200.0	120.956551	50.0	657811.0	0.604783	Y
7	STD500 460-888485/9	500.0	286.109519	50.0	668285.0	0.572219	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

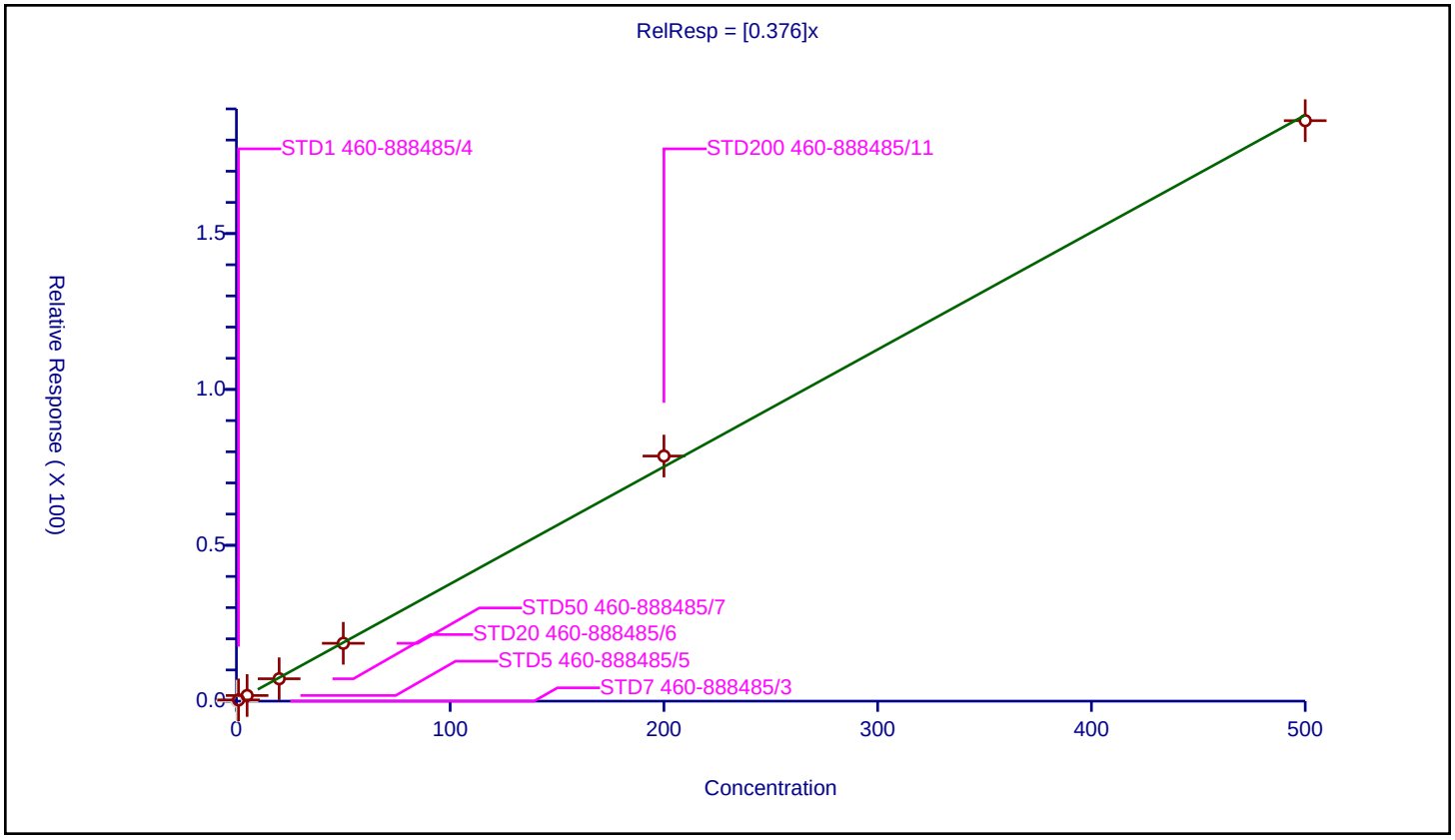
Curve Coefficients

Intercept:	0
Slope:	0.376

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.398255	50.0	599867.0	0.398255	Y
3	STD5 460-888485/5	5.0	1.811326	50.0	582943.0	0.362265	Y
4	STD20 460-888485/6	20.0	7.181292	50.0	570545.0	0.359065	Y
5	STD50 460-888485/7	50.0	18.550748	50.0	575559.0	0.371015	Y
6	STD200 460-888485/11	200.0	78.629348	50.0	657811.0	0.393147	Y
7	STD500 460-888485/9	500.0	186.220999	50.0	668285.0	0.372442	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

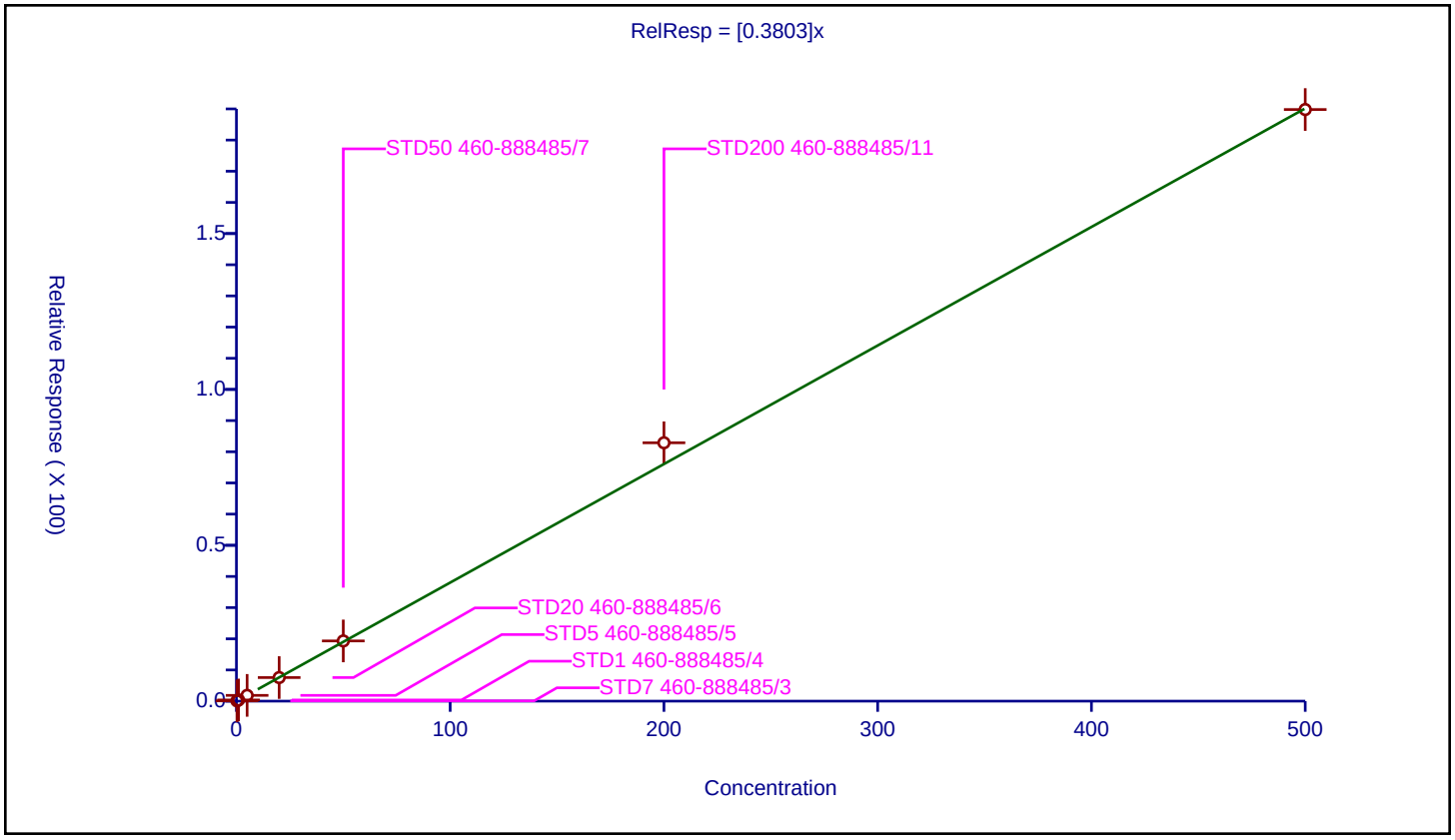
Curve Coefficients

Intercept:	0
Slope:	0.3803

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.090615	50.0	528612.0	0.362459	Y
2	STD1 460-888485/4	1.0	0.370916	50.0	599867.0	0.370916	Y
3	STD5 460-888485/5	5.0	1.851039	50.0	582943.0	0.370208	Y
4	STD20 460-888485/6	20.0	7.565135	50.0	570545.0	0.378257	Y
5	STD50 460-888485/7	50.0	19.313572	50.0	575559.0	0.386271	Y
6	STD200 460-888485/11	200.0	82.883381	50.0	657811.0	0.414417	Y
7	STD500 460-888485/9	500.0	189.792155	50.0	668285.0	0.379584	Y



Calibration / Bromomethane

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

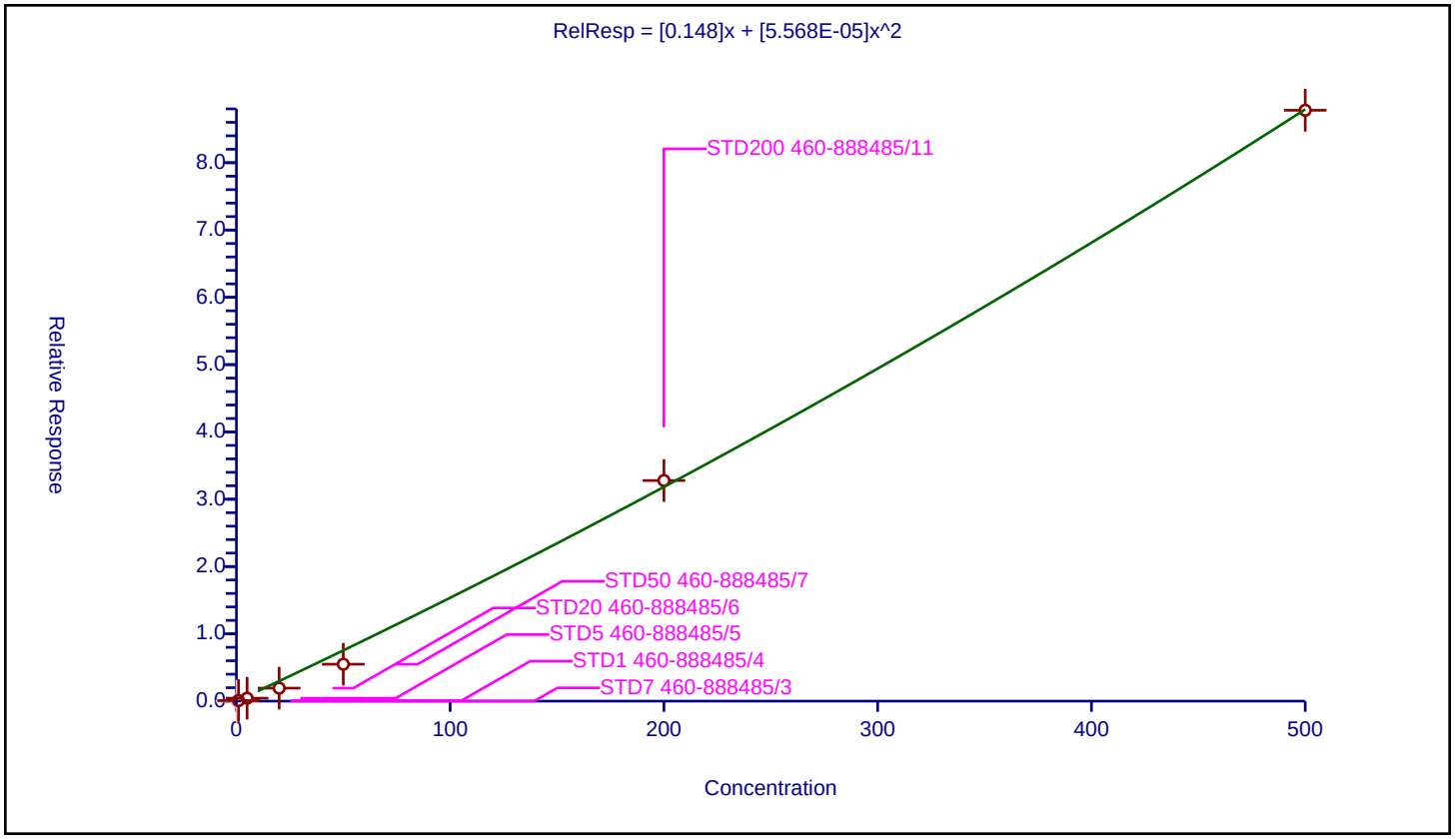
Curve Coefficients

Intercept:	0
Slope:	0.148
Second Order:	5.568E-05

Error Coefficients

Standard Error:	626000
Relative Standard Error:	37.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.082018	50.0	599867.0	0.082018	Y
3	STD5 460-888485/5	5.0	0.438979	50.0	582943.0	0.087796	Y
4	STD20 460-888485/6	20.0	1.93508	50.0	570545.0	0.096754	Y
5	STD50 460-888485/7	50.0	5.486753	50.0	575559.0	0.109735	Y
6	STD200 460-888485/11	200.0	32.780388	50.0	657811.0	0.163902	Y
7	STD500 460-888485/9	500.0	87.796075	50.0	668285.0	0.175592	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

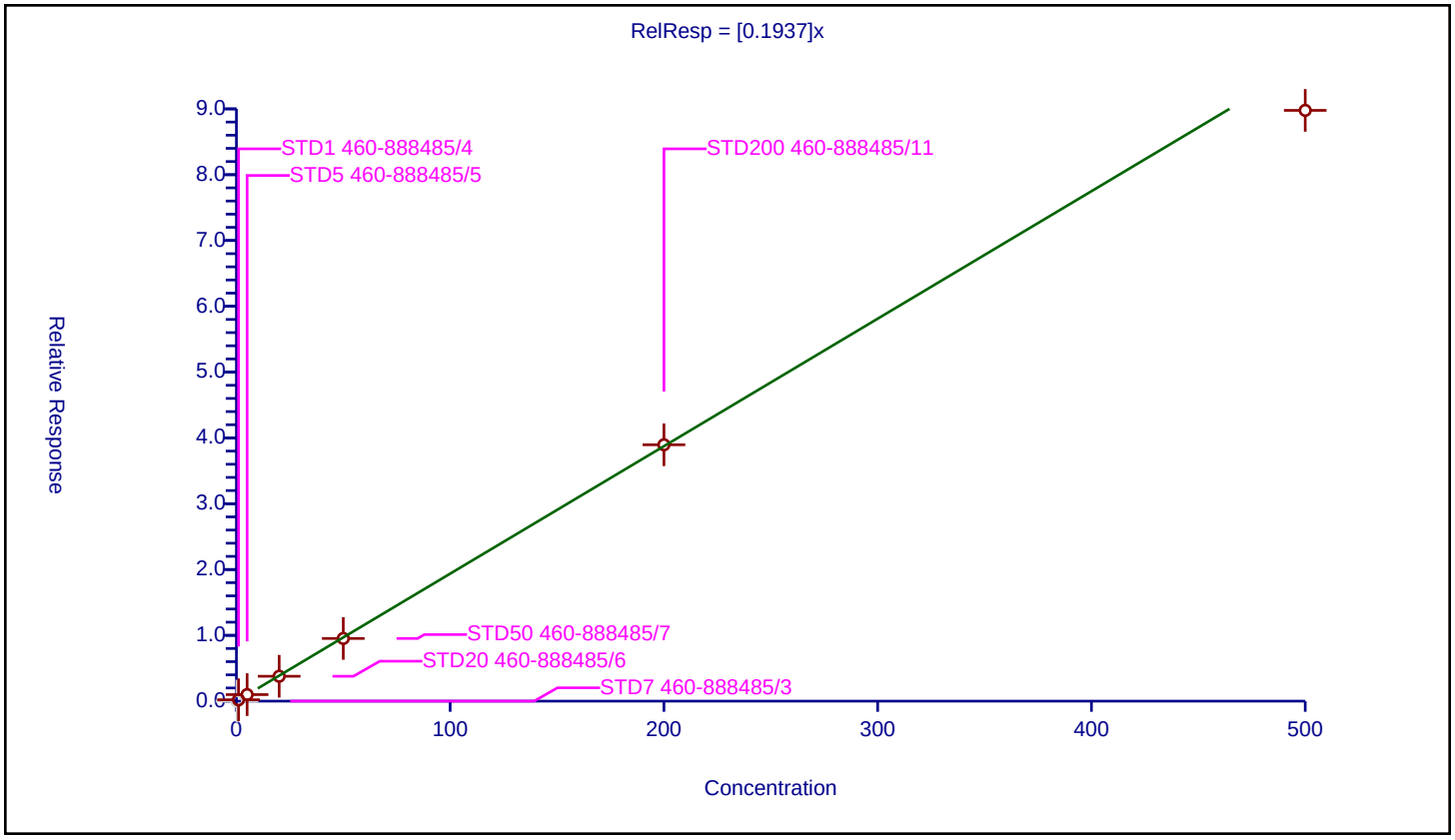
Curve Coefficients

Intercept:	0
Slope:	0.1937

Error Coefficients

Standard Error:	586000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.210047	50.0	599867.0	0.210047	Y
3	STD5 460-888485/5	5.0	0.991864	50.0	582943.0	0.198373	Y
4	STD20 460-888485/6	20.0	3.782261	50.0	570545.0	0.189113	Y
5	STD50 460-888485/7	50.0	9.52474	50.0	575559.0	0.190495	Y
6	STD200 460-888485/11	200.0	38.956934	50.0	657811.0	0.194785	Y
7	STD500 460-888485/9	500.0	89.7733	50.0	668285.0	0.179547	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

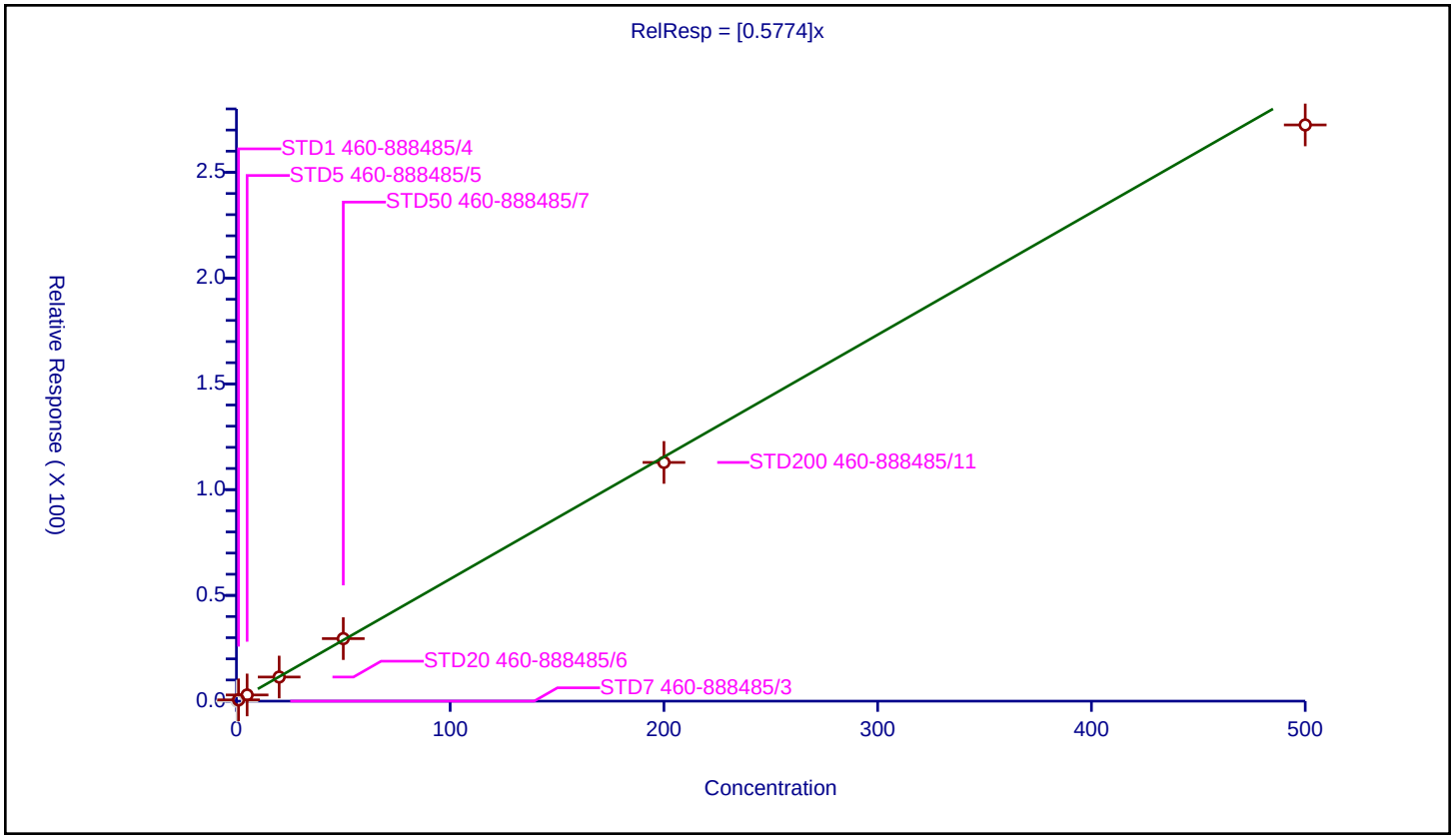
Curve Coefficients

Intercept:	0
Slope:	0.5774

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.608552	50.0	599867.0	0.608552	Y
3	STD5 460-888485/5	5.0	2.927387	50.0	582943.0	0.585477	Y
4	STD20 460-888485/6	20.0	11.402431	50.0	570545.0	0.570122	Y
5	STD50 460-888485/7	50.0	29.555875	50.0	575559.0	0.591118	Y
6	STD200 460-888485/11	200.0	112.853008	50.0	657811.0	0.564265	Y
7	STD500 460-888485/9	500.0	272.423891	50.0	668285.0	0.544848	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

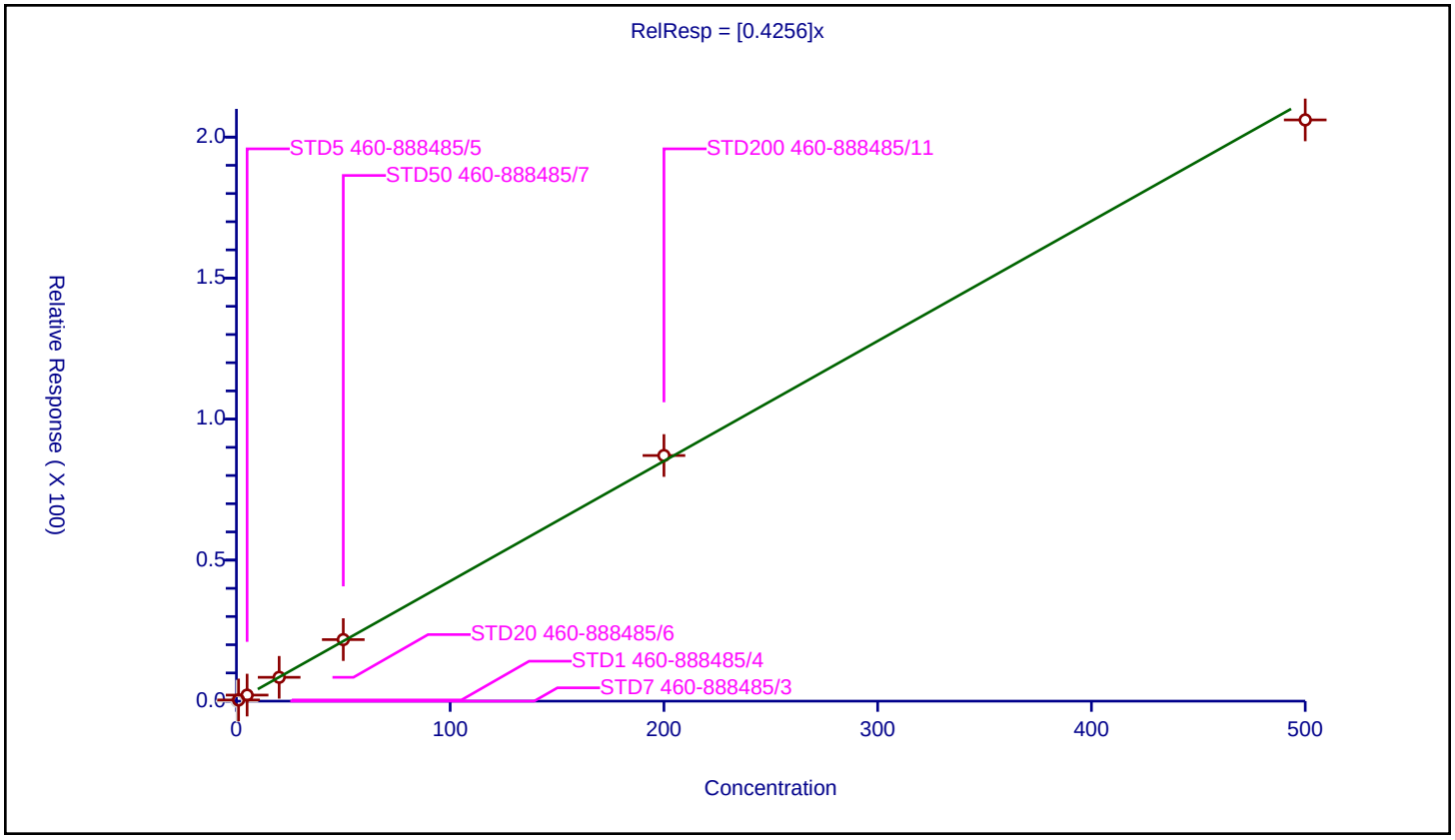
Curve Coefficients

Intercept:	0
Slope:	0.4256

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.25	0.0	50.0	528612.0	0.0	N
2	STD1 460-888485/4	1.0	0.418676	50.0	599867.0	0.418676	Y
3	STD5 460-888485/5	5.0	2.143692	50.0	582943.0	0.428738	Y
4	STD20 460-888485/6	20.0	8.444557	50.0	570545.0	0.422228	Y
5	STD50 460-888485/7	50.0	21.821047	50.0	575559.0	0.436421	Y
6	STD200 460-888485/11	200.0	87.095762	50.0	657811.0	0.435479	Y
7	STD500 460-888485/9	500.0	206.094181	50.0	668285.0	0.412188	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

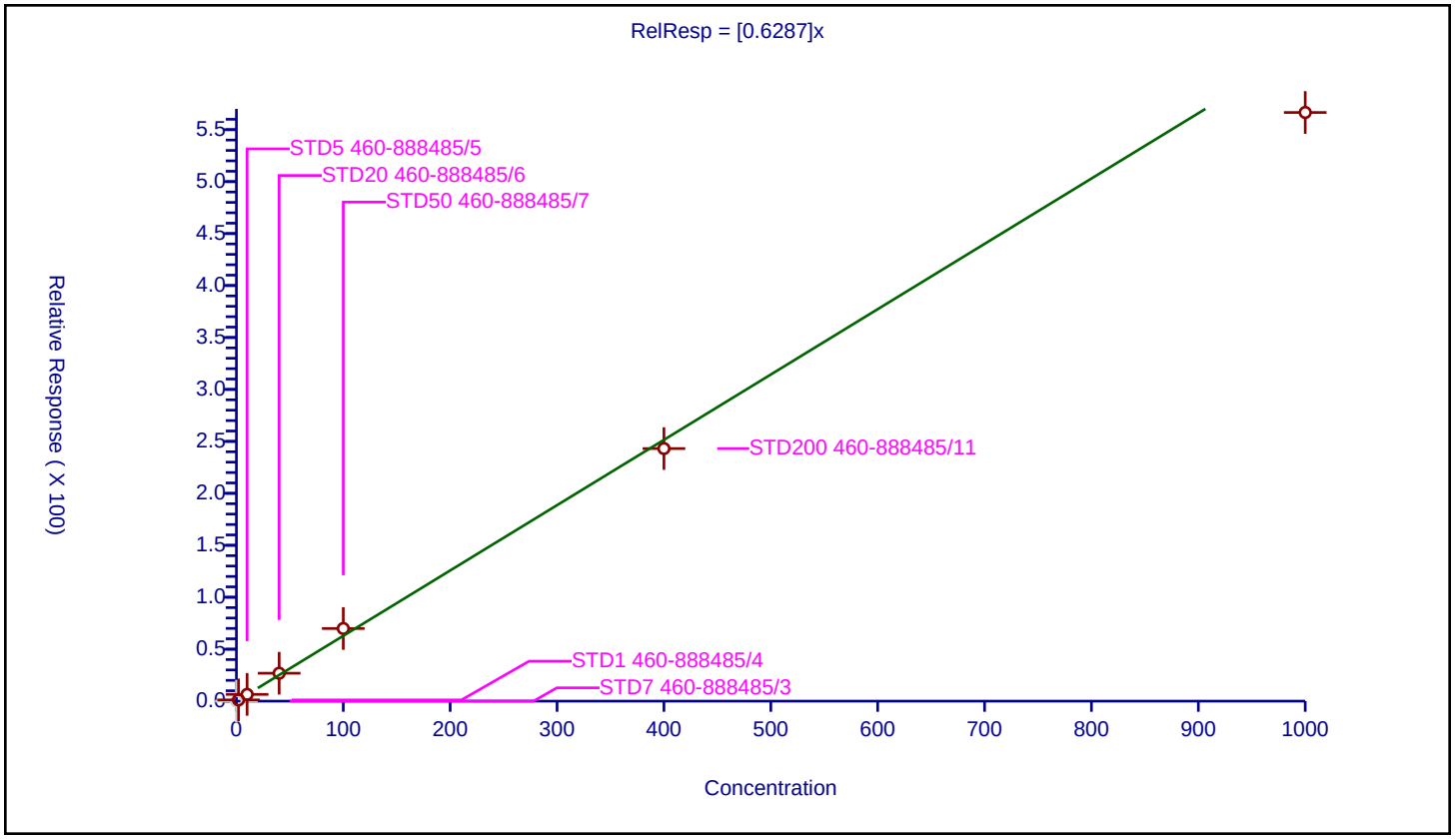
Curve Coefficients

Intercept:	0
Slope:	0.6287

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	2.0	1.154923	50.0	599867.0	0.577461	Y
3	STD5 460-888485/5	10.0	6.50278	50.0	582943.0	0.650278	Y
4	STD20 460-888485/6	40.0	26.844946	50.0	570545.0	0.671124	Y
5	STD50 460-888485/7	100.0	69.905692	50.0	575559.0	0.699057	Y
6	STD200 460-888485/11	400.0	243.082968	50.0	657811.0	0.607707	Y
7	STD500 460-888485/9	1000.0	566.545037	50.0	668285.0	0.566545	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

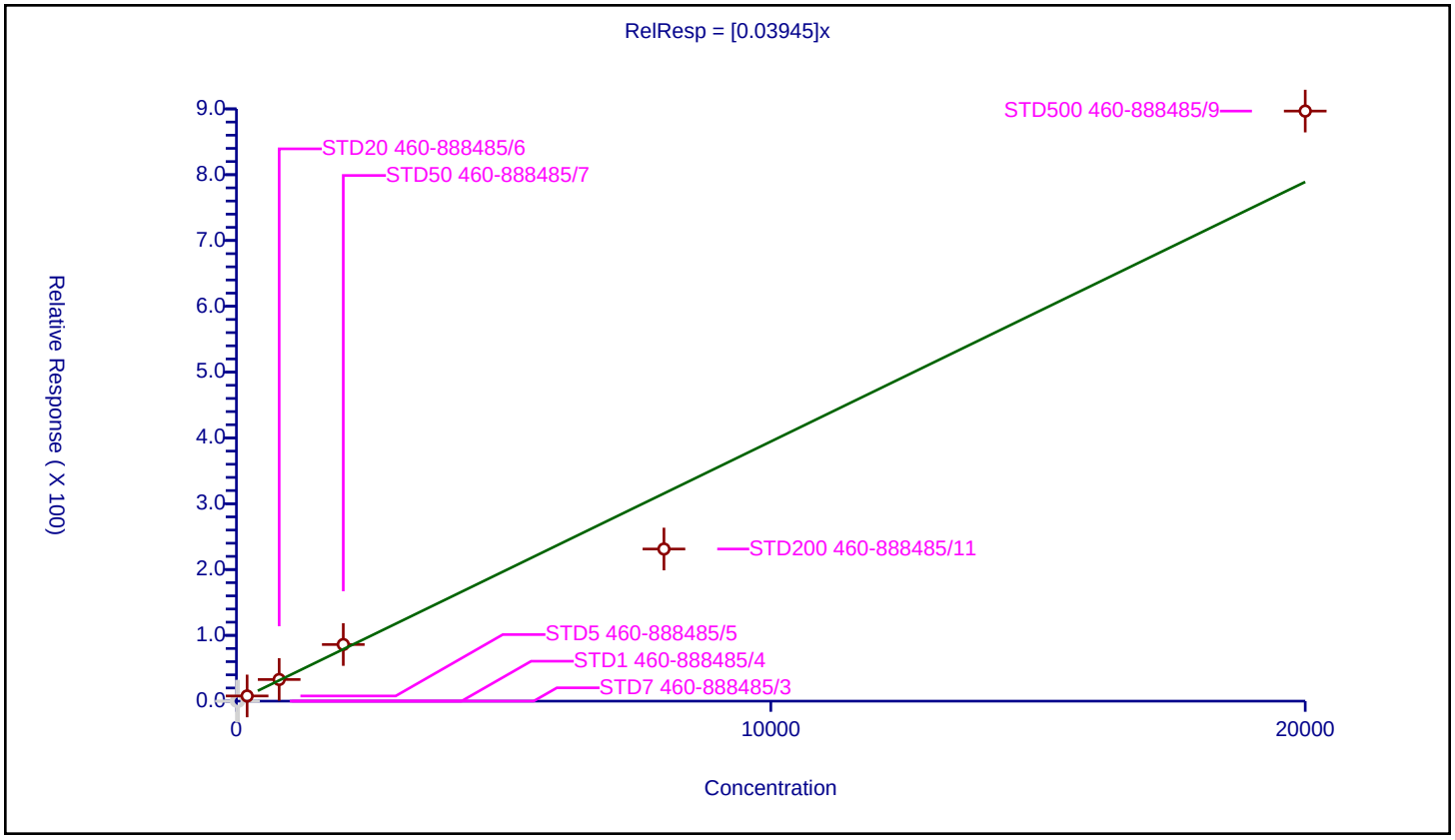
Curve Coefficients

Intercept:	0
Slope:	0.03945

Error Coefficients

Standard Error:	139000
Relative Standard Error:	15.8
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	40.0	0.0	1000.0	262282.0	0.0	N
3	STD5 460-888485/5	200.0	7.872642	1000.0	257982.0	0.039363	Y
4	STD20 460-888485/6	800.0	32.903661	1000.0	269818.0	0.04113	Y
5	STD50 460-888485/7	2000.0	86.067976	1000.0	283218.0	0.043034	Y
6	STD200 460-888485/11	8000.0	231.179121	1000.0	299893.0	0.028897	Y
7	STD500 460-888485/9	20000.0	896.700439	1000.0	300737.0	0.044835	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

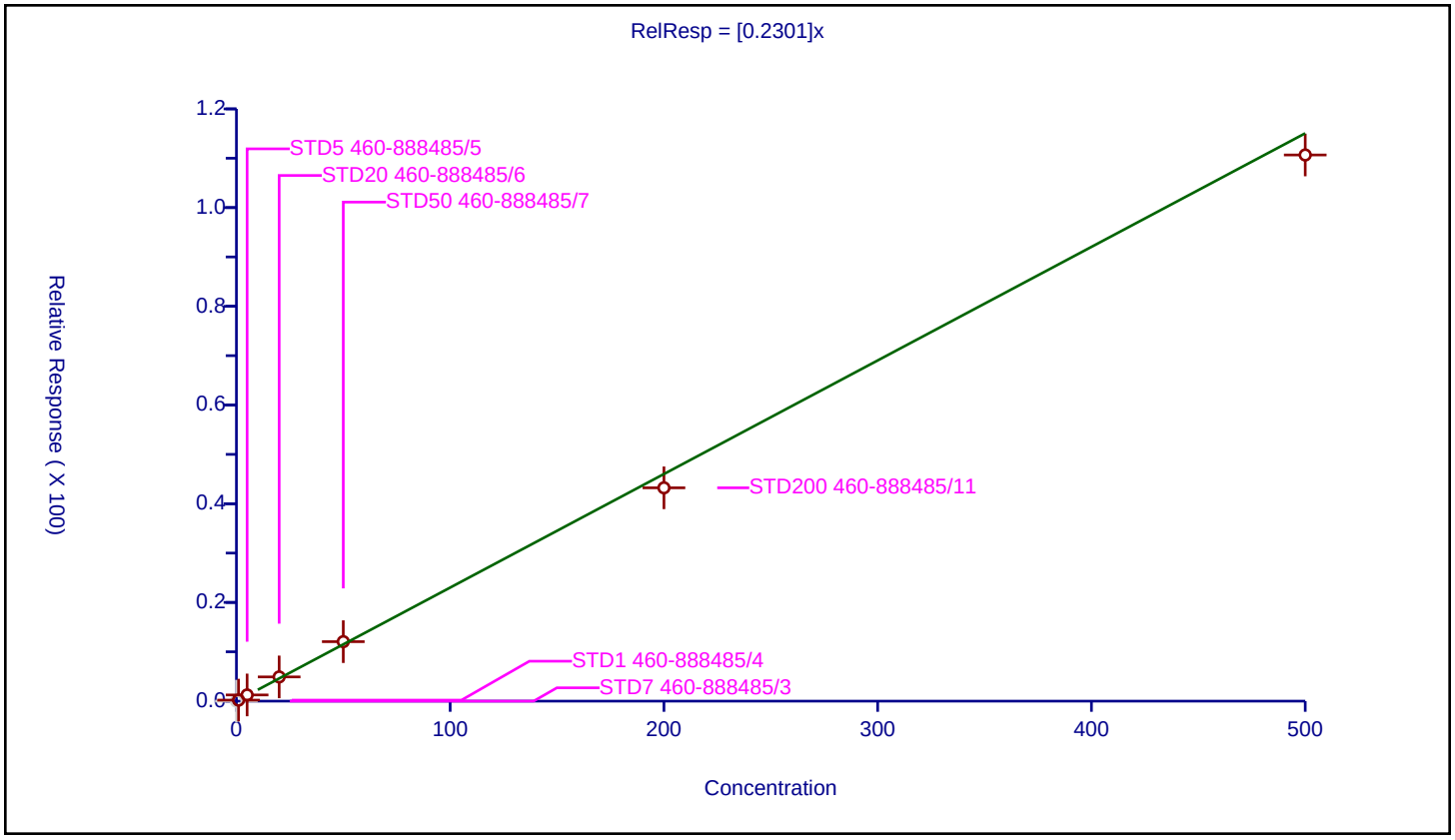
Curve Coefficients

Intercept:	0
Slope:	0.2301

Error Coefficients

Standard Error:	712000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.205712	50.0	599867.0	0.205712	Y
3	STD5 460-888485/5	5.0	1.254925	50.0	582943.0	0.250985	Y
4	STD20 460-888485/6	20.0	4.908027	50.0	570545.0	0.245401	Y
5	STD50 460-888485/7	50.0	12.053499	50.0	575559.0	0.24107	Y
6	STD200 460-888485/11	200.0	43.222597	50.0	657811.0	0.216113	Y
7	STD500 460-888485/9	500.0	110.663415	50.0	668285.0	0.221327	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

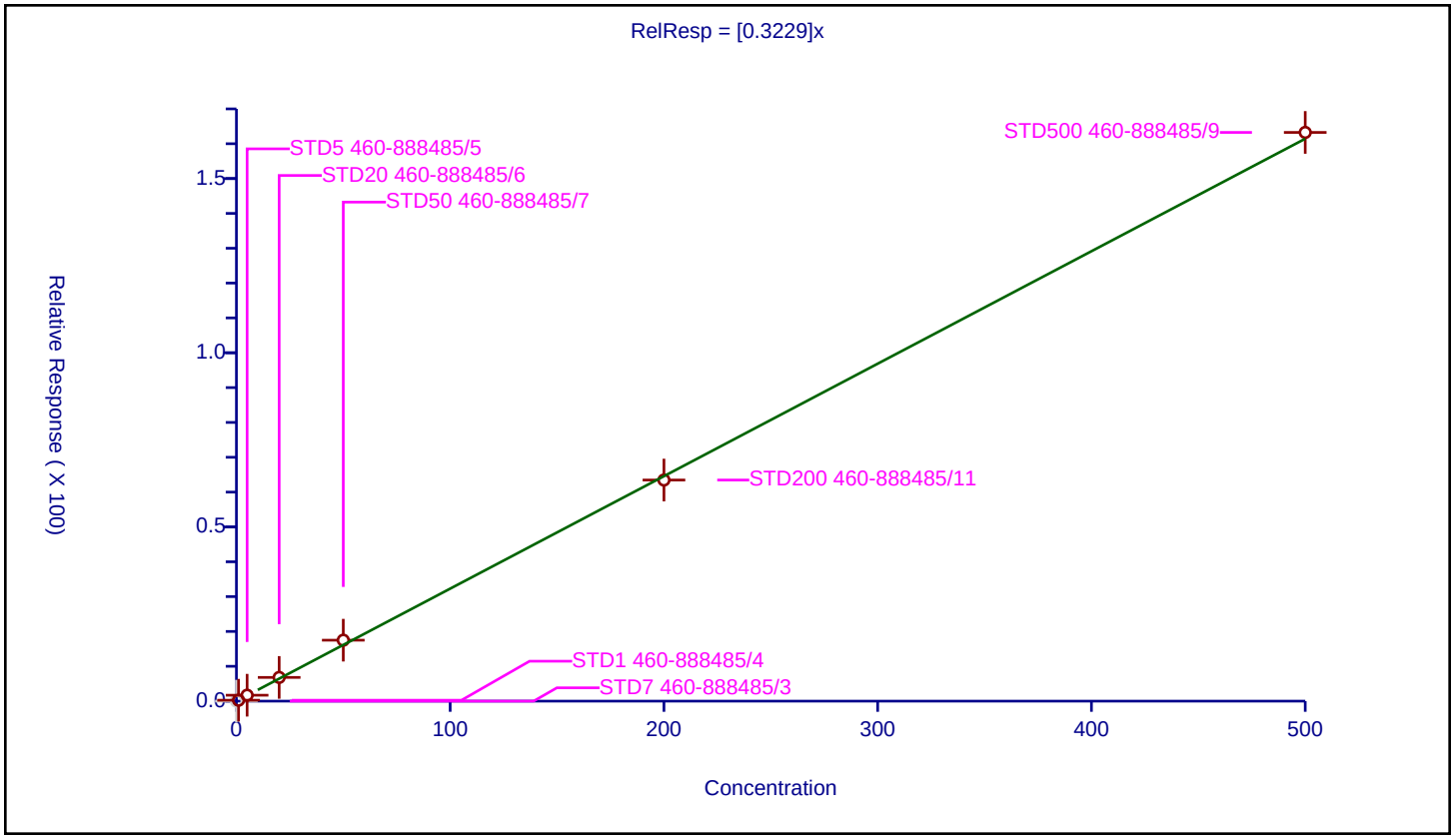
Curve Coefficients

Intercept:	0
Slope:	0.3229

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.262308	50.0	599867.0	0.262308	Y
3	STD5 460-888485/5	5.0	1.702911	50.0	582943.0	0.340582	Y
4	STD20 460-888485/6	20.0	6.810856	50.0	570545.0	0.340543	Y
5	STD50 460-888485/7	50.0	17.493428	50.0	575559.0	0.349869	Y
6	STD200 460-888485/11	200.0	63.468762	50.0	657811.0	0.317344	Y
7	STD500 460-888485/9	500.0	163.238962	50.0	668285.0	0.326478	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

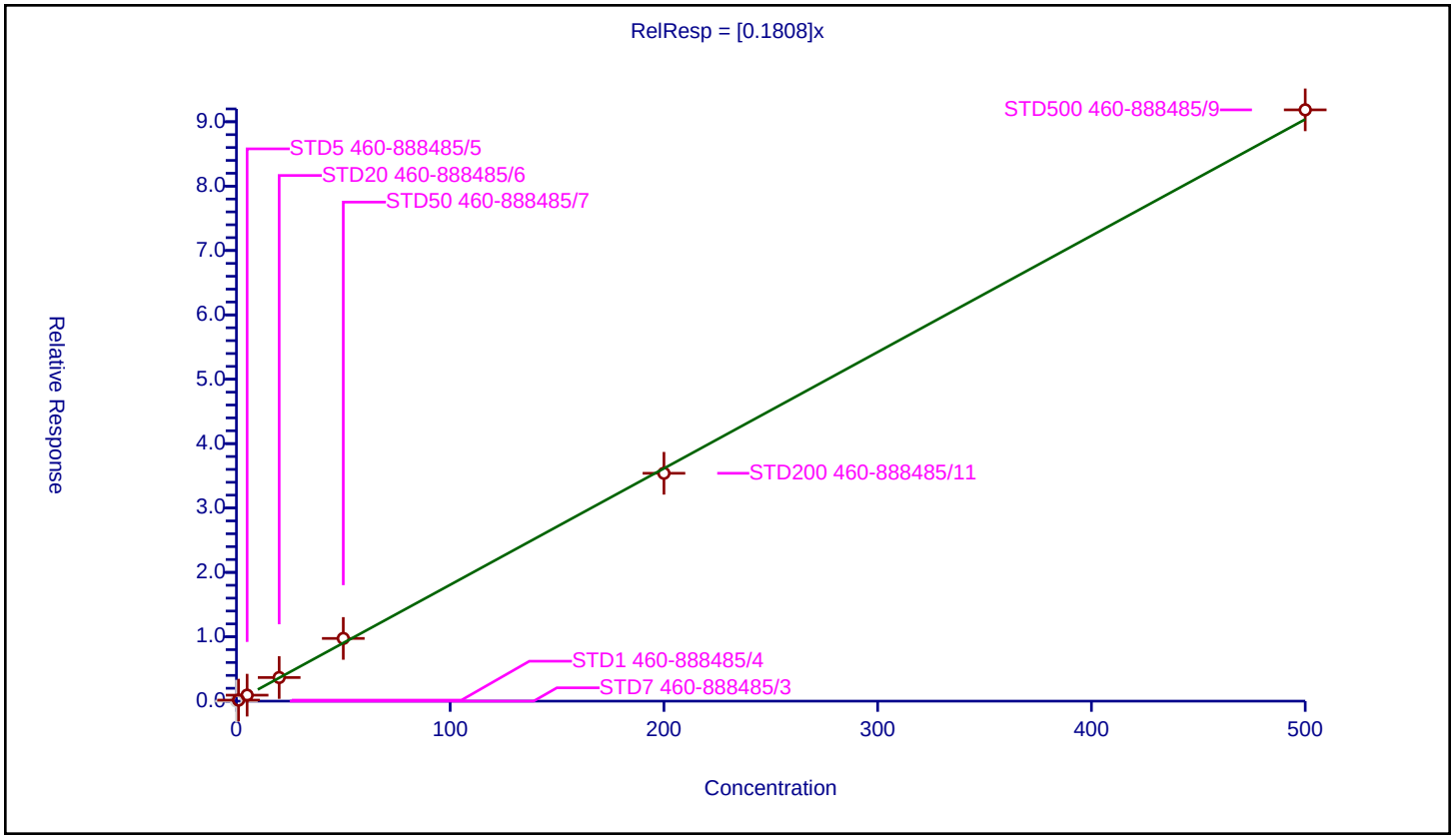
Curve Coefficients

Intercept:	0
Slope:	0.1808

Error Coefficients

Standard Error:	590000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.159702	50.0	599867.0	0.159702	Y
3	STD5 460-888485/5	5.0	0.929422	50.0	582943.0	0.185884	Y
4	STD20 460-888485/6	20.0	3.667809	50.0	570545.0	0.18339	Y
5	STD50 460-888485/7	50.0	9.742268	50.0	575559.0	0.194845	Y
6	STD200 460-888485/11	200.0	35.398466	50.0	657811.0	0.176992	Y
7	STD500 460-888485/9	500.0	91.849061	50.0	668285.0	0.183698	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

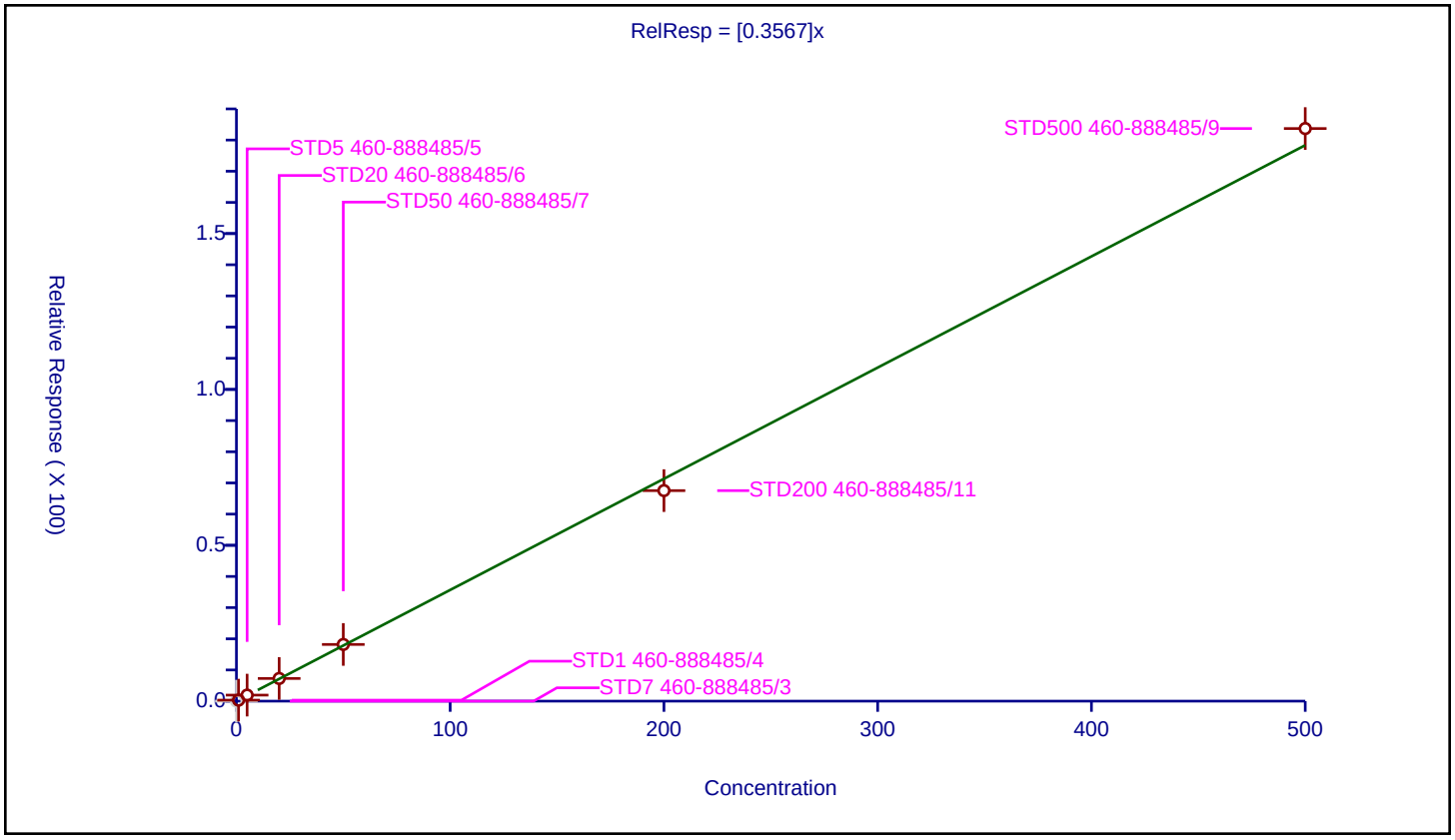
Curve Coefficients

Intercept:	0
Slope:	0.3567

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.320821	50.0	599867.0	0.320821	Y
3	STD5 460-888485/5	5.0	1.933637	50.0	582943.0	0.386727	Y
4	STD20 460-888485/6	20.0	7.274711	50.0	570545.0	0.363736	Y
5	STD50 460-888485/7	50.0	18.184409	50.0	575559.0	0.363688	Y
6	STD200 460-888485/11	200.0	67.541361	50.0	657811.0	0.337707	Y
7	STD500 460-888485/9	500.0	183.694906	50.0	668285.0	0.36739	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

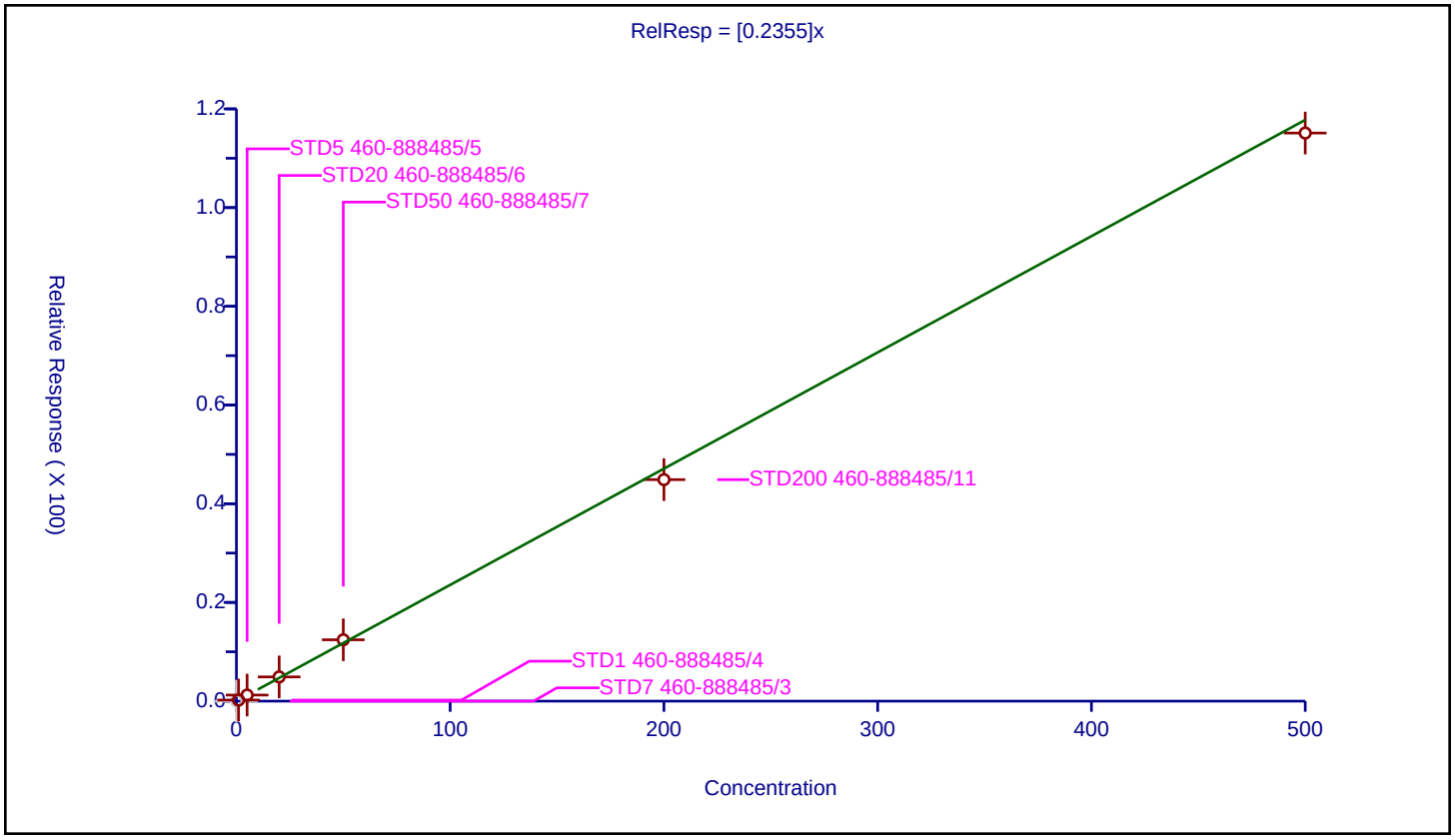
Curve Coefficients

Intercept:	0
Slope:	0.2355

Error Coefficients

Standard Error:	740000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.218048	50.0	599867.0	0.218048	Y
3	STD5 460-888485/5	5.0	1.232968	50.0	582943.0	0.246594	Y
4	STD20 460-888485/6	20.0	4.906099	50.0	570545.0	0.245305	Y
5	STD50 460-888485/7	50.0	12.431653	50.0	575559.0	0.248633	Y
6	STD200 460-888485/11	200.0	44.878088	50.0	657811.0	0.22439	Y
7	STD500 460-888485/9	500.0	115.104559	50.0	668285.0	0.230209	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

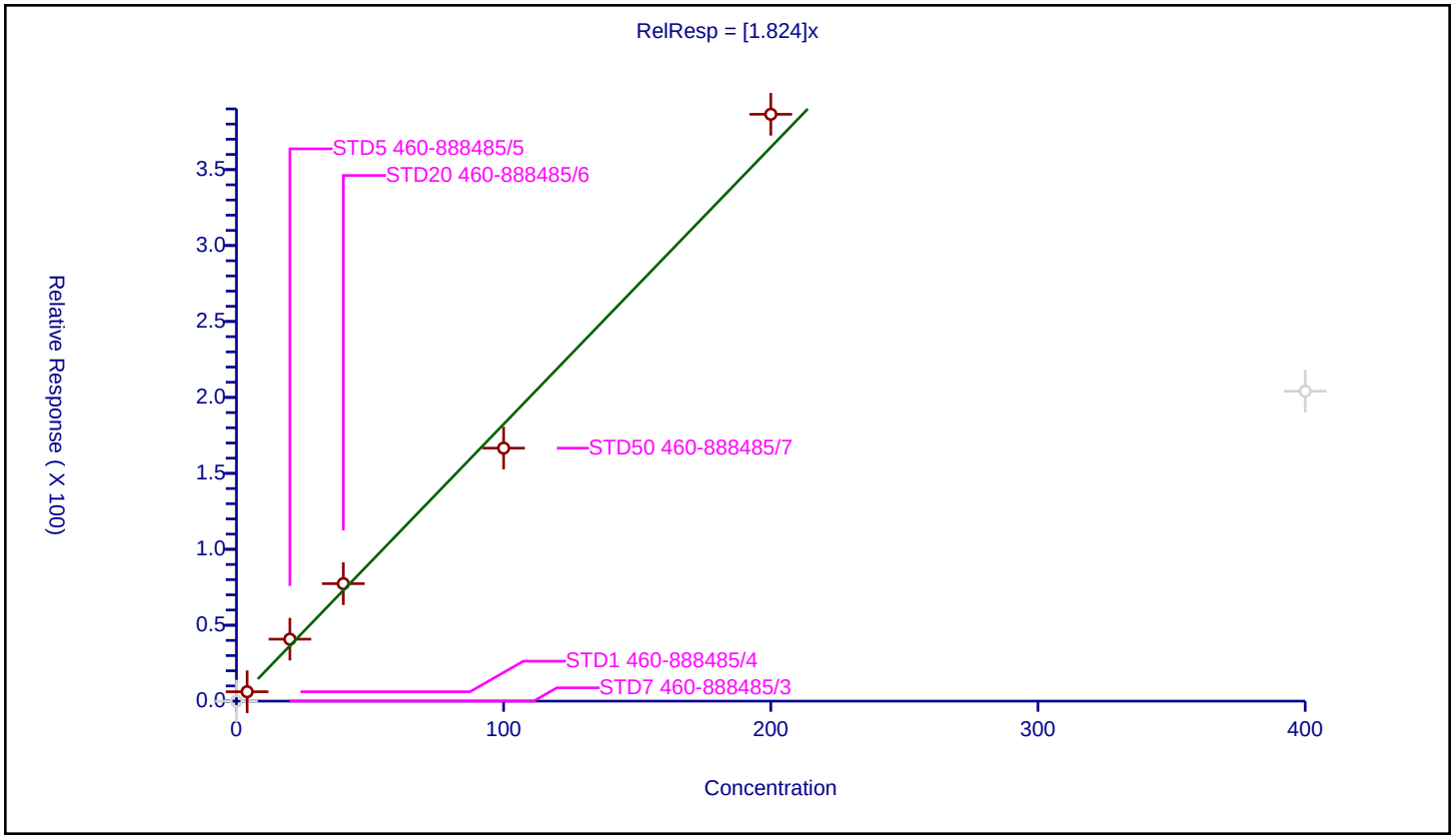
Curve Coefficients

Intercept:	0
Slope:	1.824

Error Coefficients

Standard Error:	63400
Relative Standard Error:	11.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	4.0	6.187996	1000.0	262282.0	1.546999	Y
3	STD5 460-888485/5	20.0	40.79742	1000.0	257982.0	2.039871	Y
4	STD20 460-888485/6	40.0	77.374378	1000.0	269818.0	1.934359	Y
5	STD50 460-888485/7	100.0	166.610173	1000.0	283218.0	1.666102	Y
6	STD200 460-888485/11	200.0	386.464506	1000.0	299893.0	1.932323	Y
7	STD500 460-888485/9	400.0	204.091947	1000.0	300737.0	0.51023	N



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Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

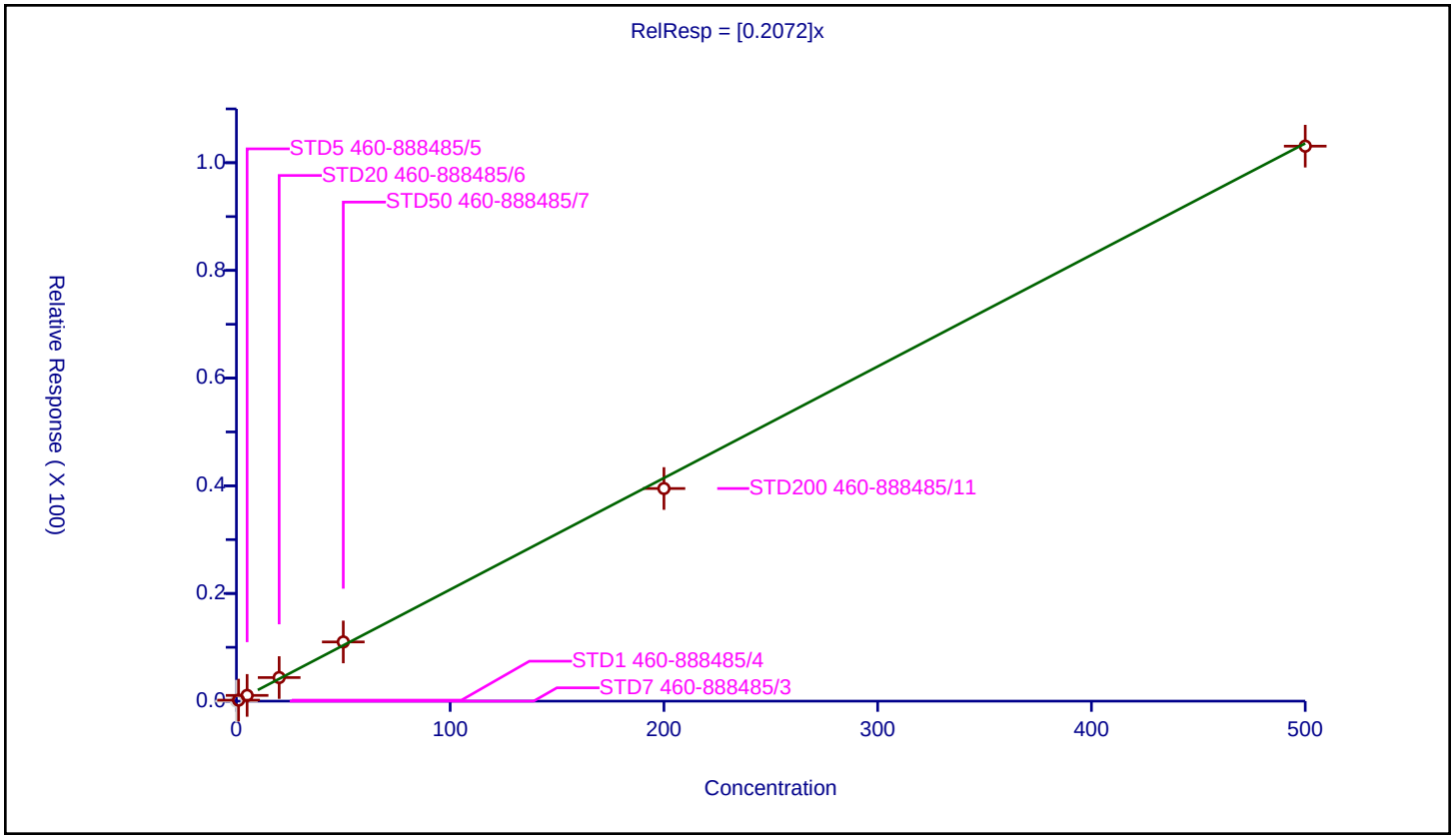
Curve Coefficients

Intercept:	0
Slope:	0.2072

Error Coefficients

Standard Error:	661000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.187458	50.0	599867.0	0.187458	Y
3	STD5 460-888485/5	5.0	1.065456	50.0	582943.0	0.213091	Y
4	STD20 460-888485/6	20.0	4.382301	50.0	570545.0	0.219115	Y
5	STD50 460-888485/7	50.0	10.992444	50.0	575559.0	0.219849	Y
6	STD200 460-888485/11	200.0	39.492803	50.0	657811.0	0.197464	Y
7	STD500 460-888485/9	500.0	103.078926	50.0	668285.0	0.206158	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

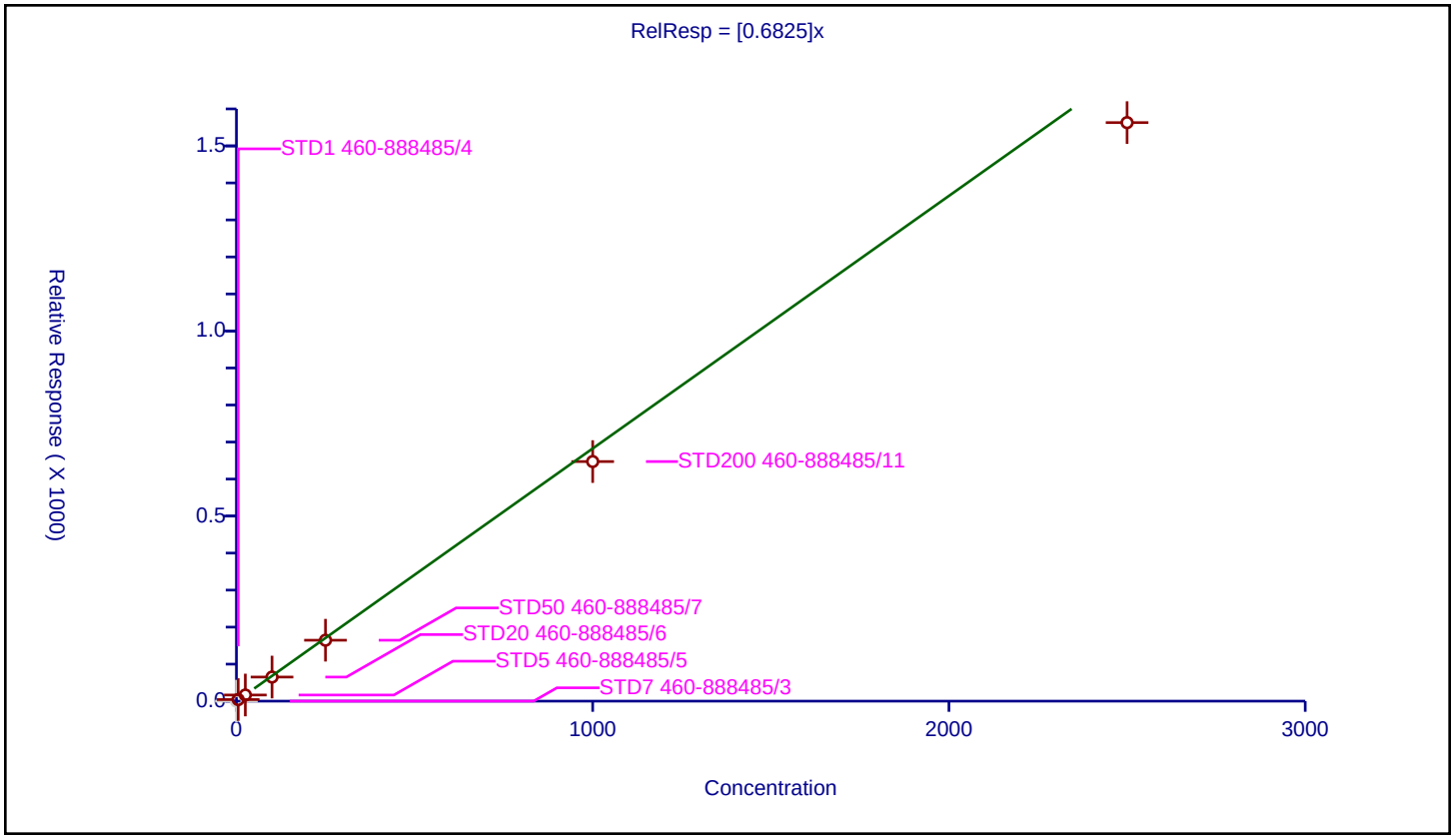
Curve Coefficients

Intercept:	0
Slope:	0.6825

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	5.0	4.246433	250.0	438780.0	0.849287	Y
3	STD5 460-888485/5	25.0	16.601236	250.0	436338.0	0.664049	Y
4	STD20 460-888485/6	100.0	65.098249	250.0	473035.0	0.650982	Y
5	STD50 460-888485/7	250.0	164.560679	250.0	468268.0	0.658243	Y
6	STD200 460-888485/11	1000.0	647.259753	250.0	453262.0	0.64726	Y
7	STD500 460-888485/9	2500.0	1562.976896	250.0	489362.0	0.625191	Y



Calibration / Iodomethane

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

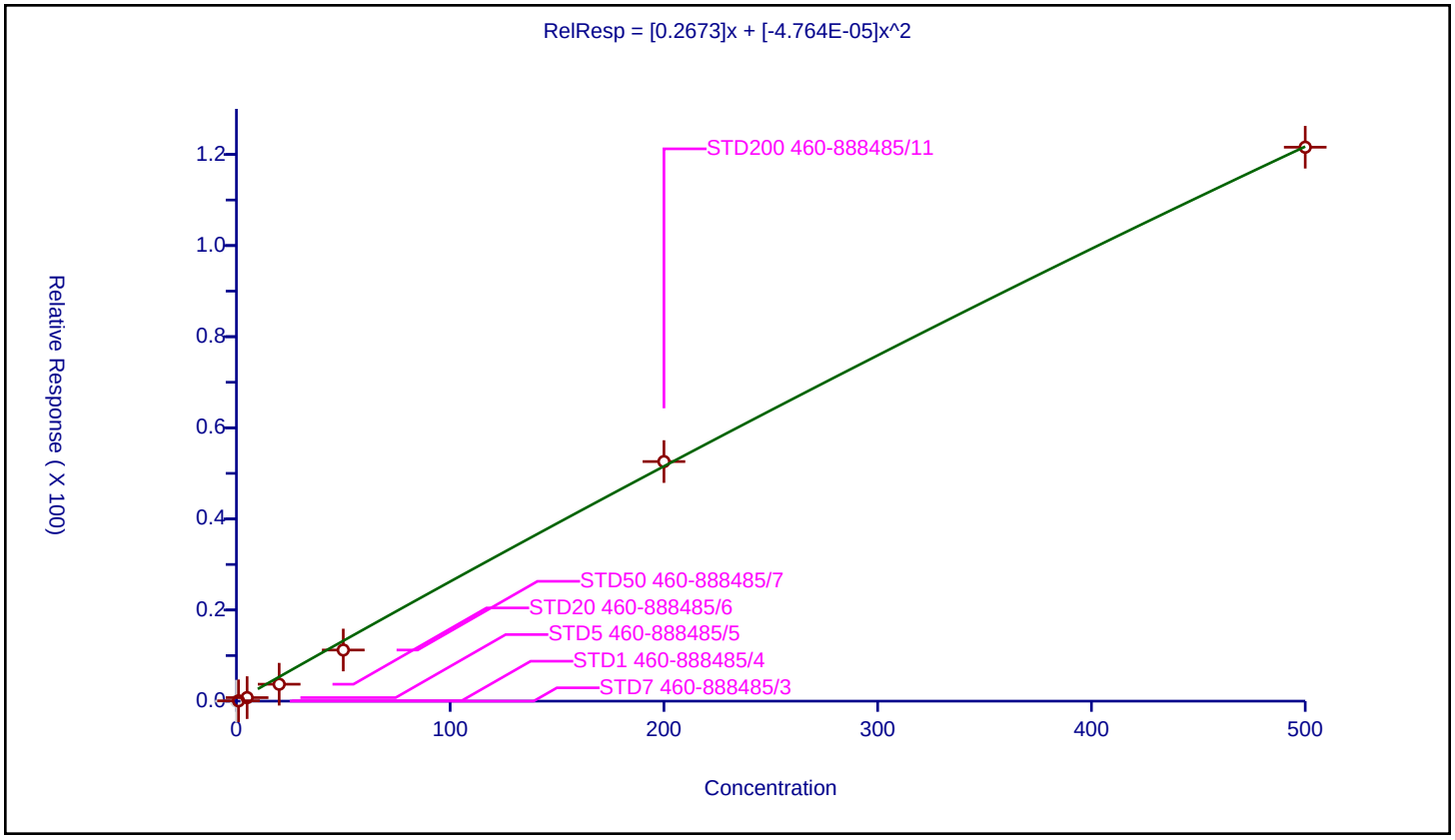
Curve Coefficients

Intercept:	0
Slope:	0.2673
Second Order:	-4.764E-05

Error Coefficients

Standard Error:	886000
Relative Standard Error:	46.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.064598	50.0	599867.0	0.064598	Y
3	STD5 460-888485/5	5.0	0.774518	50.0	582943.0	0.154904	Y
4	STD20 460-888485/6	20.0	3.714957	50.0	570545.0	0.185748	Y
5	STD50 460-888485/7	50.0	11.221873	50.0	575559.0	0.224437	Y
6	STD200 460-888485/11	200.0	52.591094	50.0	657811.0	0.262955	Y
7	STD500 460-888485/9	500.0	121.585102	50.0	668285.0	0.24317	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

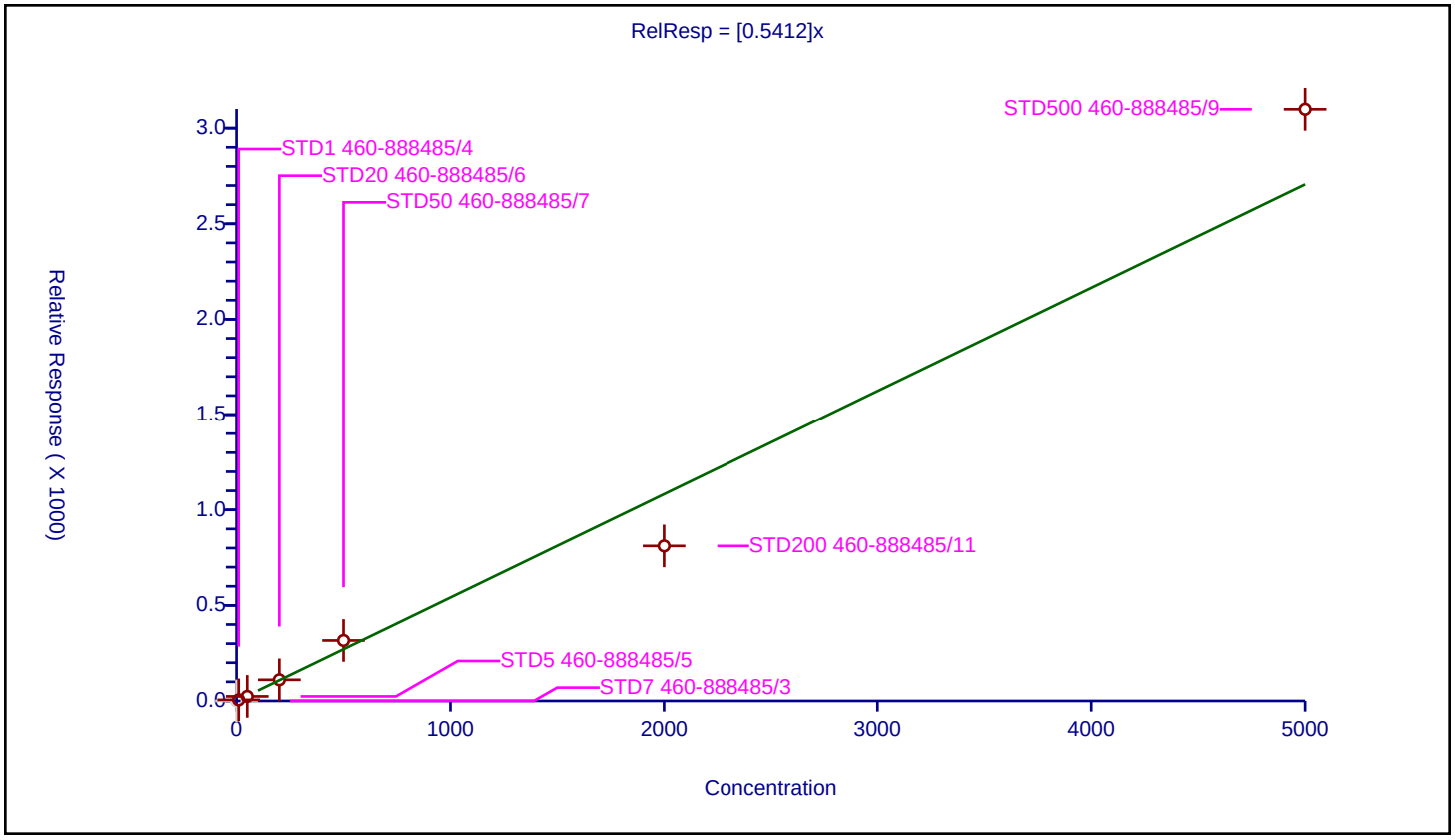
Curve Coefficients

Intercept:	0
Slope:	0.5412

Error Coefficients

Standard Error:	431000
Relative Standard Error:	16.0
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	10.0	5.597029	1000.0	262282.0	0.559703	Y
3	STD5 460-888485/5	50.0	23.803986	1000.0	257982.0	0.47608	Y
4	STD20 460-888485/6	200.0	110.611597	1000.0	269818.0	0.553058	Y
5	STD50 460-888485/7	500.0	316.537085	1000.0	283218.0	0.633074	Y
6	STD200 460-888485/11	2000.0	811.216	1000.0	299893.0	0.405608	Y
7	STD500 460-888485/9	5000.0	3098.507999	1000.0	300737.0	0.619702	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

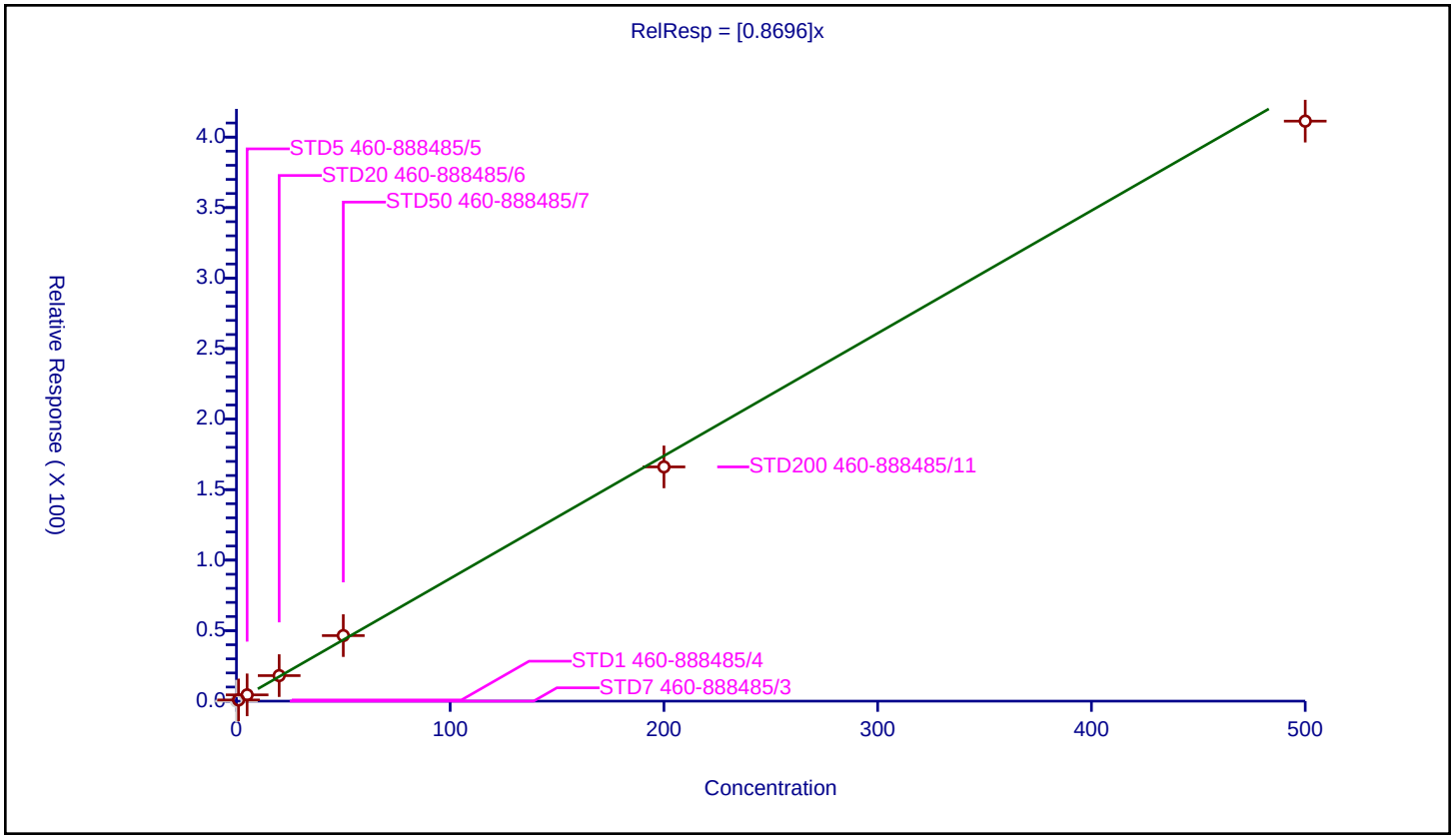
Curve Coefficients

Intercept:	0
Slope:	0.8696

Error Coefficients

Standard Error:	2660000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.842187	50.0	599867.0	0.842187	Y
3	STD5 460-888485/5	5.0	4.439542	50.0	582943.0	0.887908	Y
4	STD20 460-888485/6	20.0	18.09866	50.0	570545.0	0.904933	Y
5	STD50 460-888485/7	50.0	46.474123	50.0	575559.0	0.929482	Y
6	STD200 460-888485/11	200.0	166.104854	50.0	657811.0	0.830524	Y
7	STD500 460-888485/9	500.0	411.325482	50.0	668285.0	0.822651	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

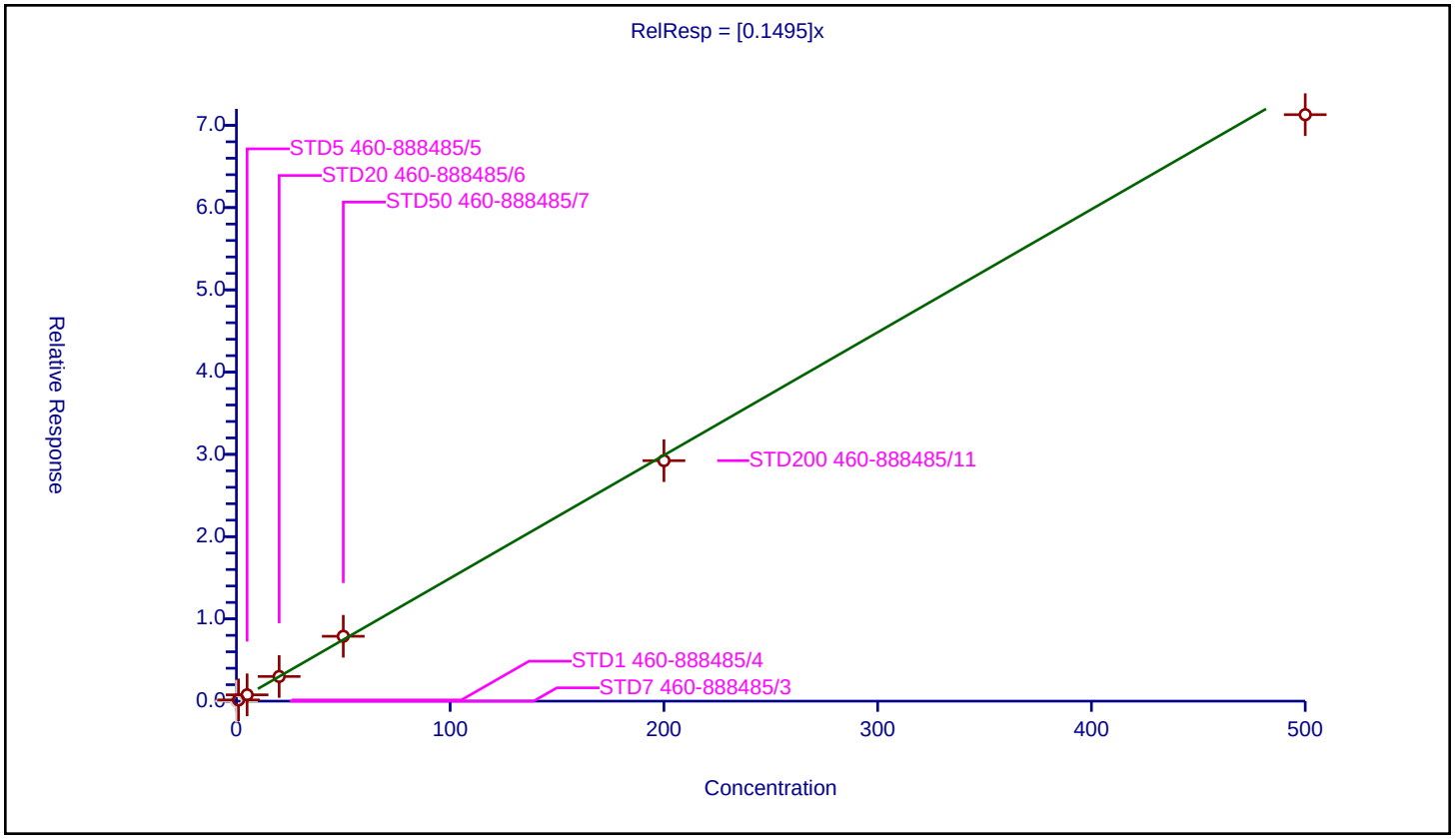
Curve Coefficients

Intercept:	0
Slope:	0.1495

Error Coefficients

Standard Error:	462000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.146616	50.0	599867.0	0.146616	Y
3	STD5 460-888485/5	5.0	0.768772	50.0	582943.0	0.153754	Y
4	STD20 460-888485/6	20.0	2.998712	50.0	570545.0	0.149936	Y
5	STD50 460-888485/7	50.0	7.886941	50.0	575559.0	0.157739	Y
6	STD200 460-888485/11	200.0	29.236741	50.0	657811.0	0.146184	Y
7	STD500 460-888485/9	500.0	71.297276	50.0	668285.0	0.142595	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

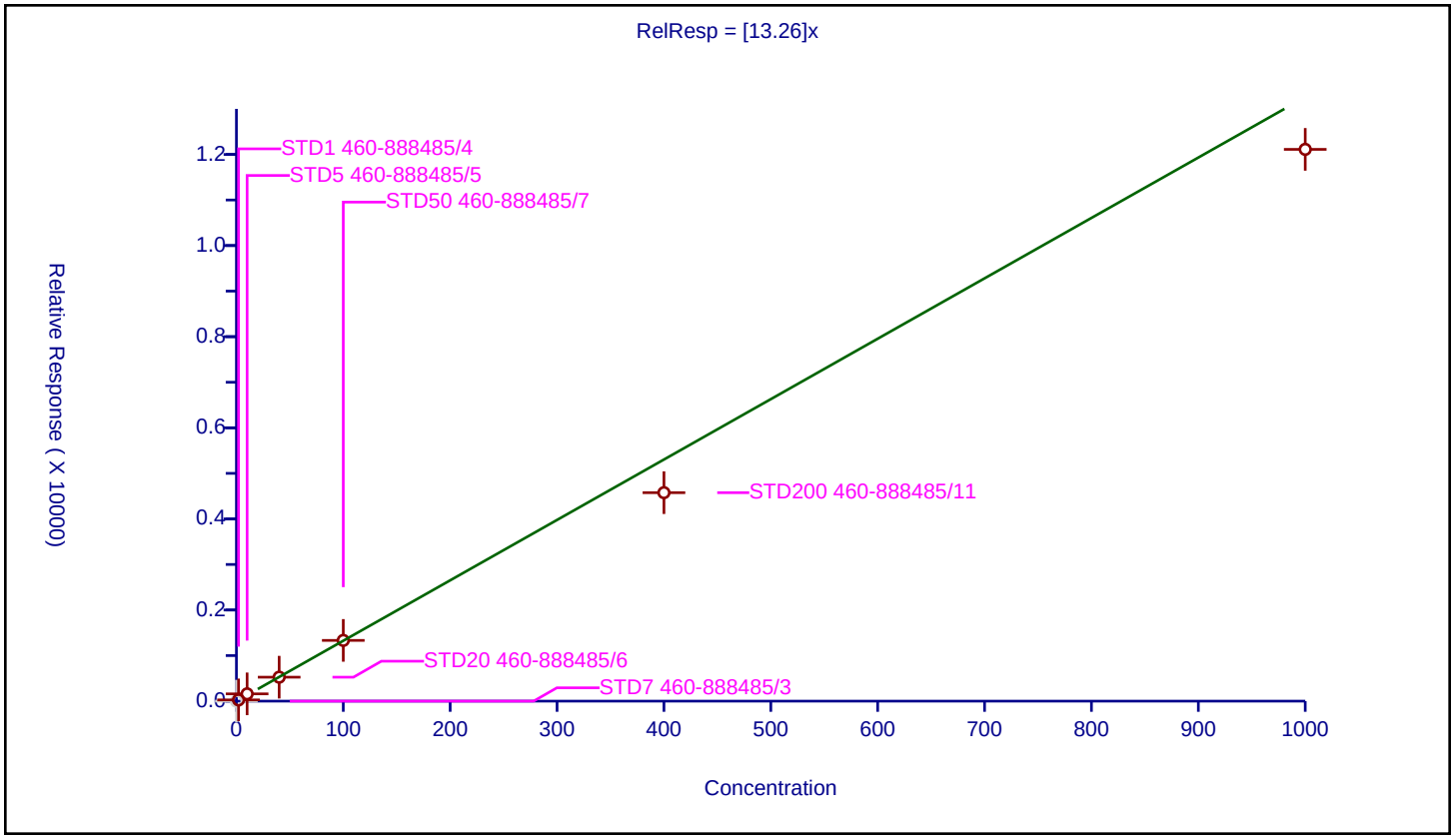
Curve Coefficients

Intercept:	0
Slope:	13.26

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	2.0	27.058662	1000.0	262282.0	13.529331	Y
3	STD5 460-888485/5	10.0	159.879371	1000.0	257982.0	15.987937	Y
4	STD20 460-888485/6	40.0	525.884114	1000.0	269818.0	13.147103	Y
5	STD50 460-888485/7	100.0	1333.163853	1000.0	283218.0	13.331639	Y
6	STD200 460-888485/11	400.0	4575.938751	1000.0	299893.0	11.439847	Y
7	STD500 460-888485/9	1000.0	12111.559269	1000.0	300737.0	12.111559	Y



Calibration / Cyclopentene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

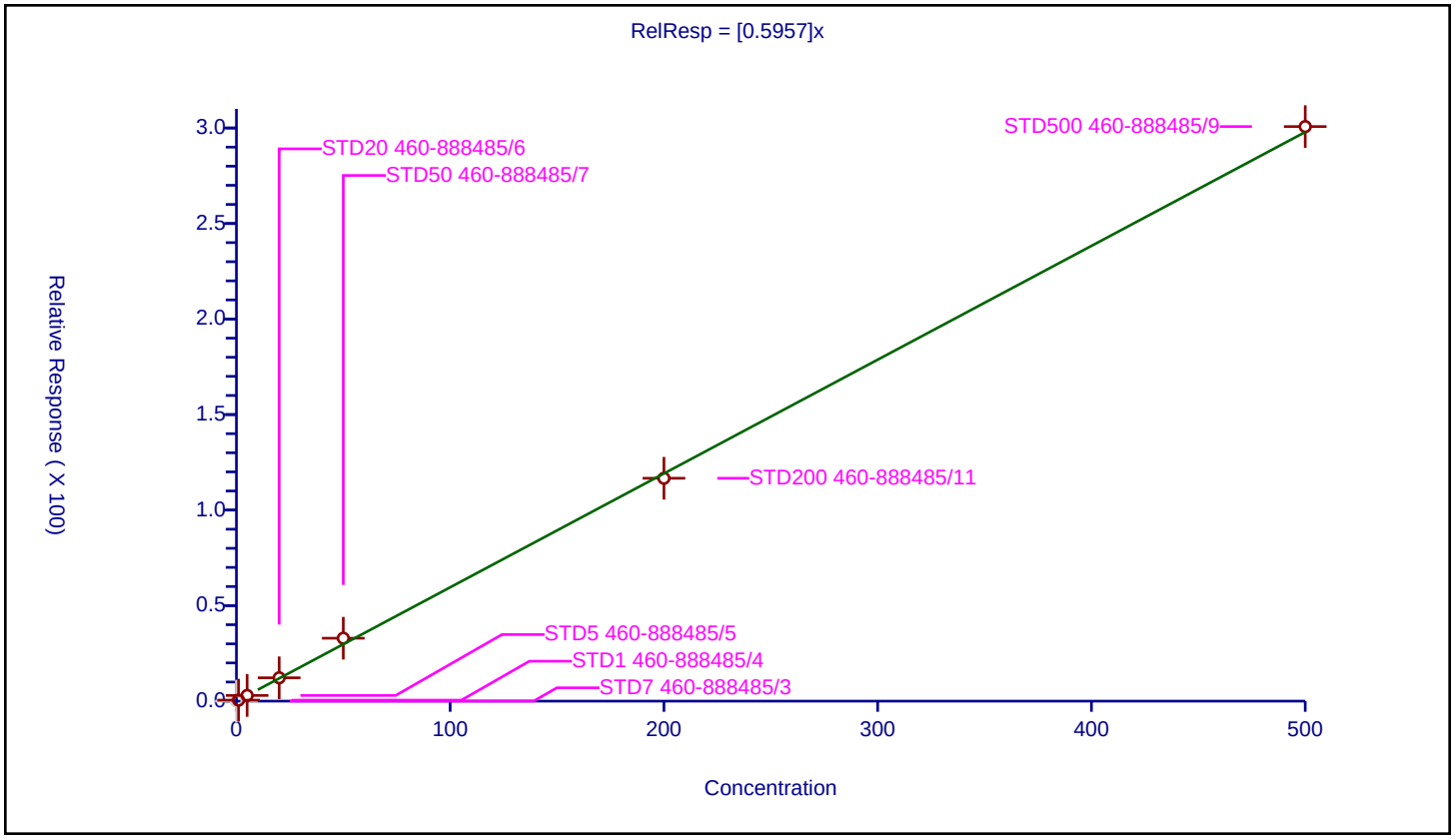
Curve Coefficients

Intercept:	0
Slope:	0.5957

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.52545	50.0	599867.0	0.52545	Y
3	STD5 460-888485/5	5.0	2.972846	50.0	582943.0	0.594569	Y
4	STD20 460-888485/6	20.0	12.217967	50.0	570545.0	0.610898	Y
5	STD50 460-888485/7	50.0	32.932506	50.0	575559.0	0.65865	Y
6	STD200 460-888485/11	200.0	116.658736	50.0	657811.0	0.583294	Y
7	STD500 460-888485/9	500.0	300.742123	50.0	668285.0	0.601484	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

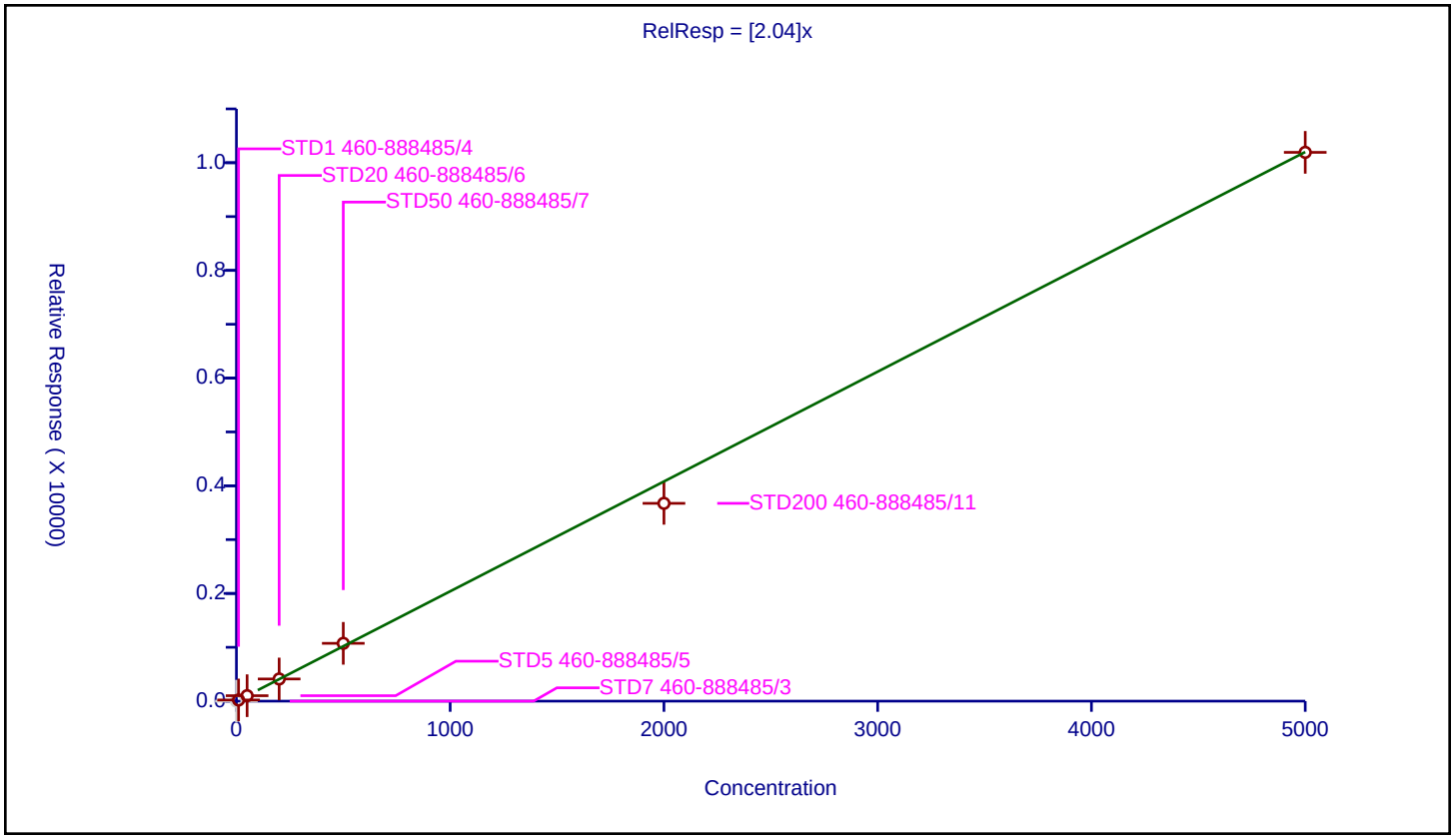
Curve Coefficients

Intercept:	0
Slope:	2.04

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	10.0	21.34344	1000.0	262282.0	2.134344	Y
3	STD5 460-888485/5	50.0	101.18923	1000.0	257982.0	2.023785	Y
4	STD20 460-888485/6	200.0	411.677501	1000.0	269818.0	2.058388	Y
5	STD50 460-888485/7	500.0	1073.614671	1000.0	283218.0	2.147229	Y
6	STD200 460-888485/11	2000.0	3673.530226	1000.0	299893.0	1.836765	Y
7	STD500 460-888485/9	5000.0	10192.81964	1000.0	300737.0	2.038564	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

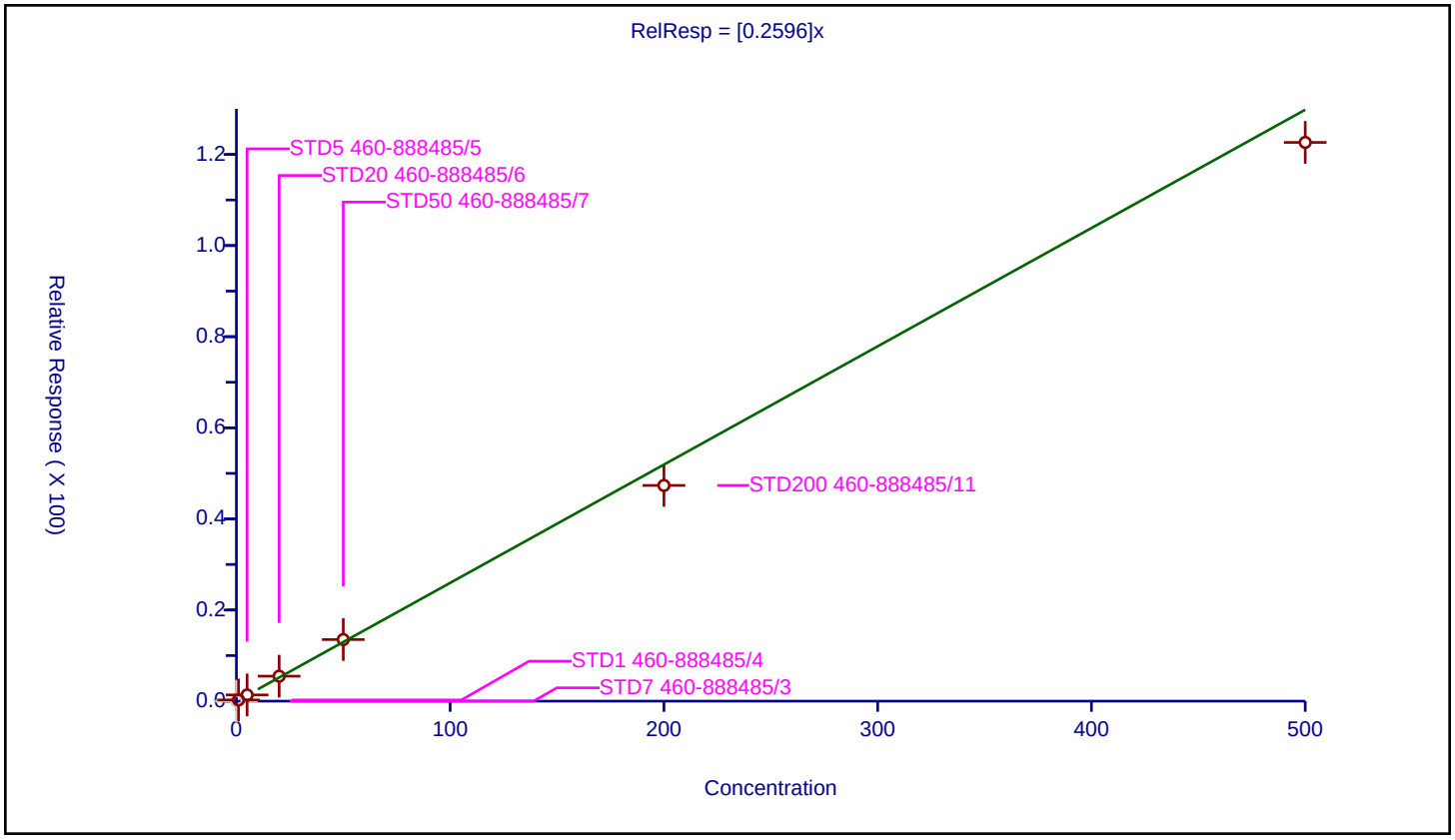
Curve Coefficients

Intercept:	0
Slope:	0.2596

Error Coefficients

Standard Error:	788000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.258724	50.0	599867.0	0.258724	Y
3	STD5 460-888485/5	5.0	1.362226	50.0	582943.0	0.272445	Y
4	STD20 460-888485/6	20.0	5.482653	50.0	570545.0	0.274133	Y
5	STD50 460-888485/7	50.0	13.518162	50.0	575559.0	0.270363	Y
6	STD200 460-888485/11	200.0	47.34445	50.0	657811.0	0.236722	Y
7	STD500 460-888485/9	500.0	122.636824	50.0	668285.0	0.245274	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

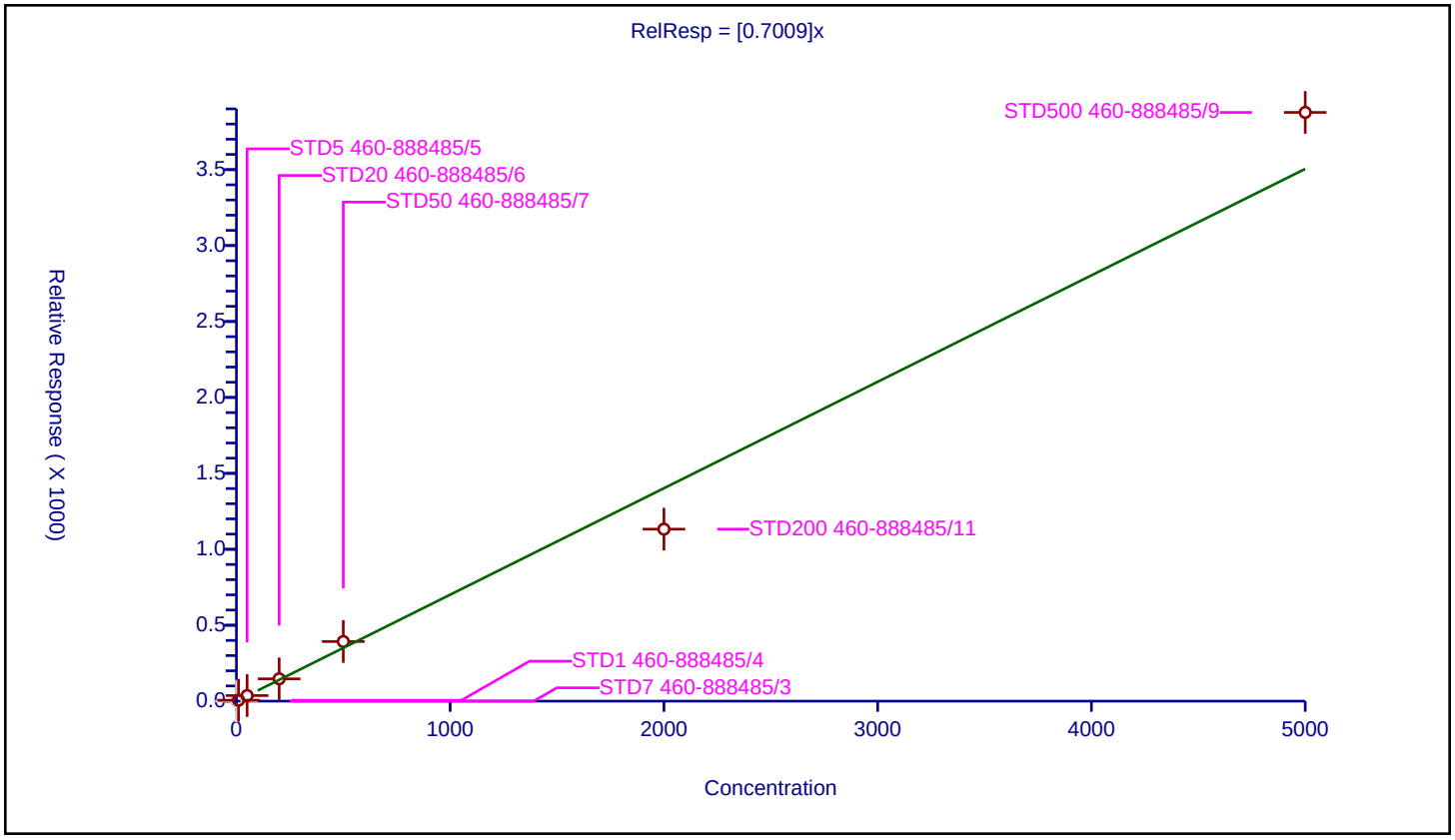
Curve Coefficients

Intercept:	0
Slope:	0.7009

Error Coefficients

Standard Error:	544000
Relative Standard Error:	12.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	10.0	6.10793	1000.0	262282.0	0.610793	Y
3	STD5 460-888485/5	50.0	36.665349	1000.0	257982.0	0.733307	Y
4	STD20 460-888485/6	200.0	146.939789	1000.0	269818.0	0.734699	Y
5	STD50 460-888485/7	500.0	392.609227	1000.0	283218.0	0.785218	Y
6	STD200 460-888485/11	2000.0	1132.557279	1000.0	299893.0	0.566279	Y
7	STD500 460-888485/9	5000.0	3876.653022	1000.0	300737.0	0.775331	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

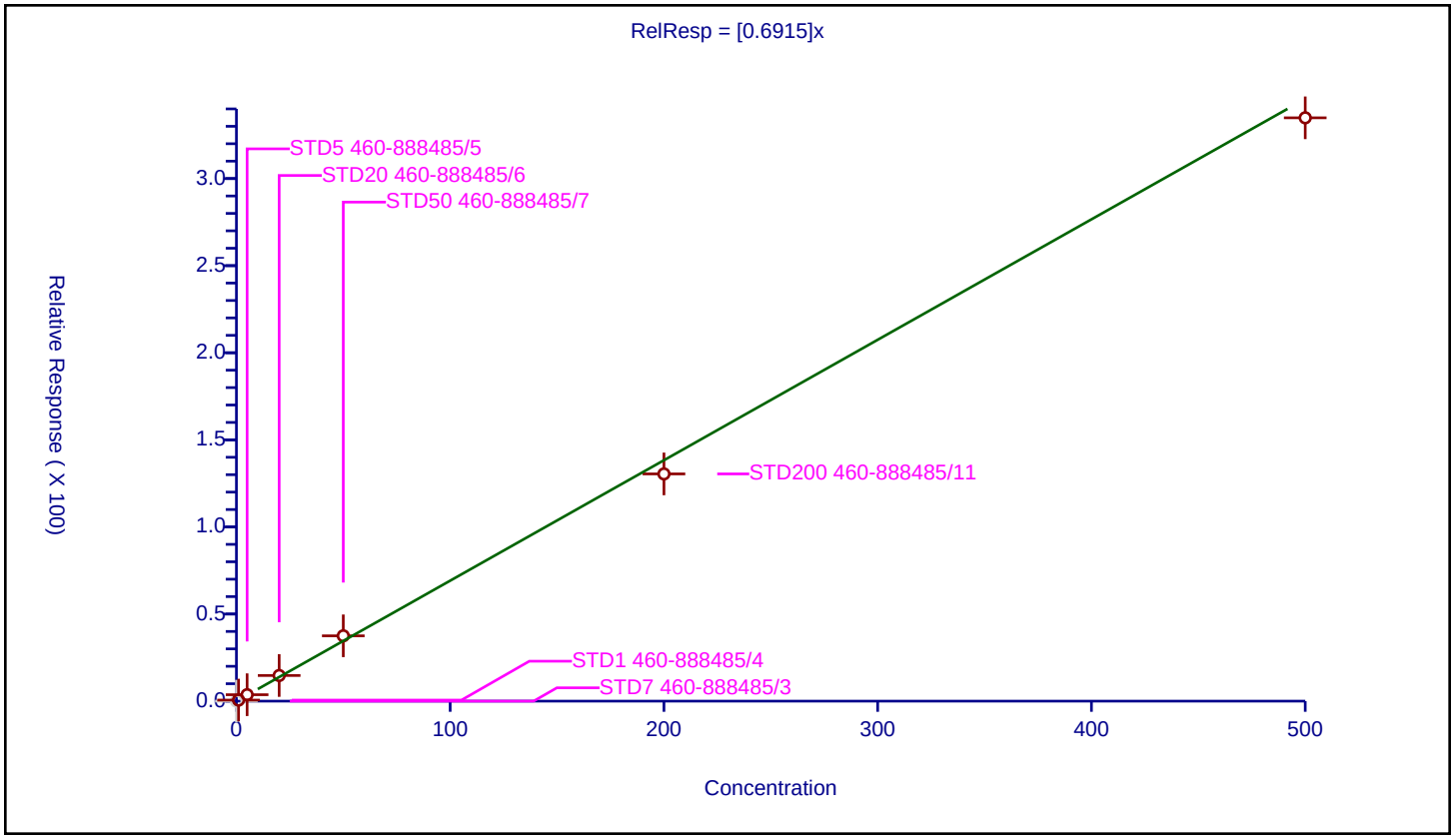
Curve Coefficients

Intercept:	0
Slope:	0.6915

Error Coefficients

Standard Error:	2150000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.601883	50.0	599867.0	0.601883	Y
3	STD5 460-888485/5	5.0	3.695644	50.0	582943.0	0.739129	Y
4	STD20 460-888485/6	20.0	14.718734	50.0	570545.0	0.735937	Y
5	STD50 460-888485/7	50.0	37.494853	50.0	575559.0	0.749897	Y
6	STD200 460-888485/11	200.0	130.448487	50.0	657811.0	0.652242	Y
7	STD500 460-888485/9	500.0	334.885116	50.0	668285.0	0.66977	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

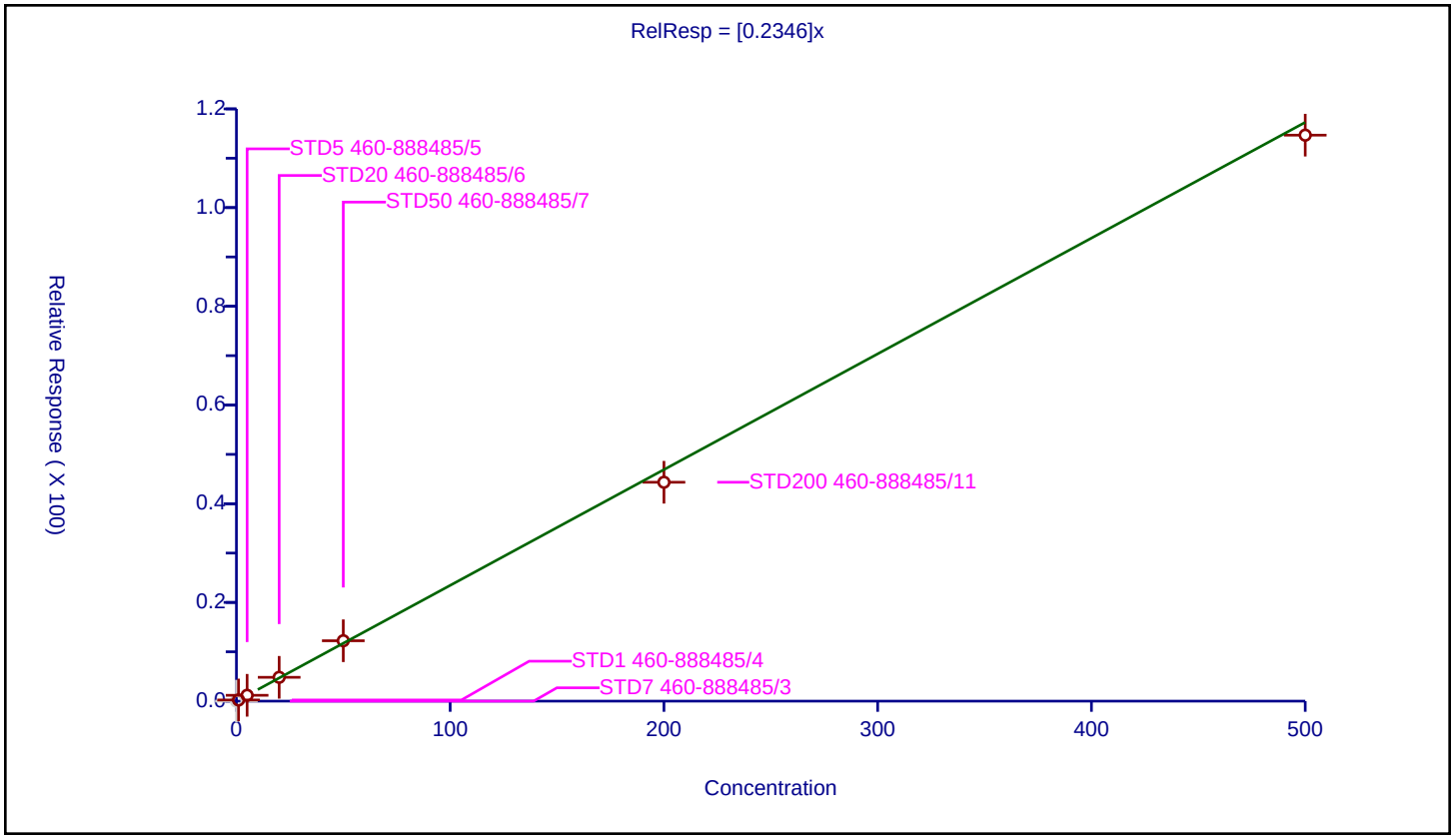
Curve Coefficients

Intercept:	0
Slope:	0.2346

Error Coefficients

Standard Error:	737000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.233135	50.0	599867.0	0.233135	Y
3	STD5 460-888485/5	5.0	1.184678	50.0	582943.0	0.236936	Y
4	STD20 460-888485/6	20.0	4.827928	50.0	570545.0	0.241396	Y
5	STD50 460-888485/7	50.0	12.236104	50.0	575559.0	0.244722	Y
6	STD200 460-888485/11	200.0	44.351493	50.0	657811.0	0.221757	Y
7	STD500 460-888485/9	500.0	114.679815	50.0	668285.0	0.22936	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

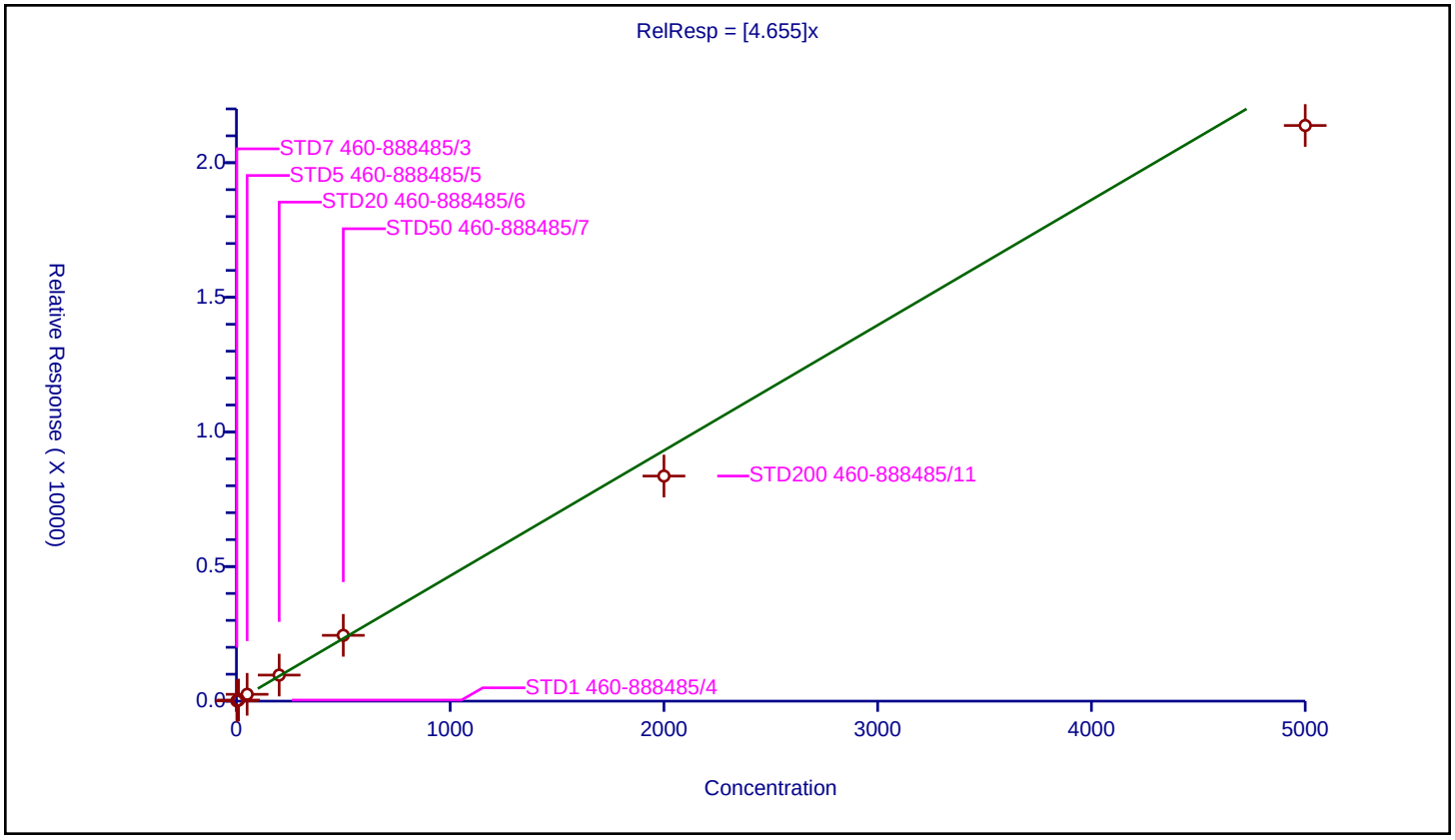
Curve Coefficients

Intercept:	0
Slope:	4.655

Error Coefficients

Standard Error:	2820000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	2.0	10.551071	1000.0	266608.0	5.275536	Y
2	STD1 460-888485/4	10.0	40.433579	1000.0	262282.0	4.043358	Y
3	STD5 460-888485/5	50.0	254.044856	1000.0	257982.0	5.080897	Y
4	STD20 460-888485/6	200.0	968.067364	1000.0	269818.0	4.840337	Y
5	STD50 460-888485/7	500.0	2444.526831	1000.0	283218.0	4.889054	Y
6	STD200 460-888485/11	2000.0	8361.522276	1000.0	299893.0	4.180761	Y
7	STD500 460-888485/9	5000.0	21383.993323	1000.0	300737.0	4.276799	Y



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Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

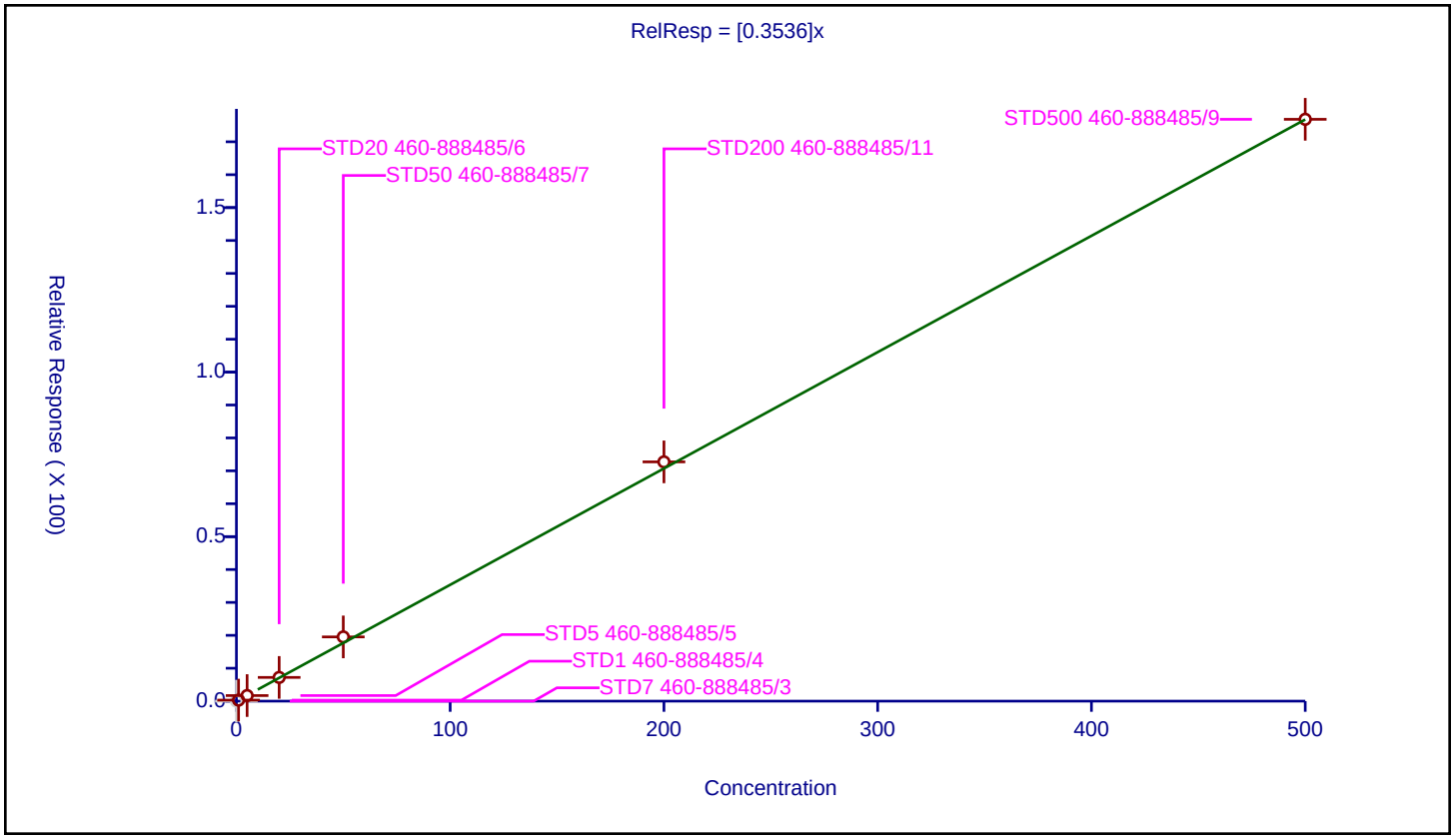
Curve Coefficients

Intercept:	0
Slope:	0.3536

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.31357	50.0	599867.0	0.31357	Y
3	STD5 460-888485/5	5.0	1.698365	50.0	582943.0	0.339673	Y
4	STD20 460-888485/6	20.0	7.207845	50.0	570545.0	0.360392	Y
5	STD50 460-888485/7	50.0	19.521717	50.0	575559.0	0.390434	Y
6	STD200 460-888485/11	200.0	72.723396	50.0	657811.0	0.363617	Y
7	STD500 460-888485/9	500.0	176.835557	50.0	668285.0	0.353671	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

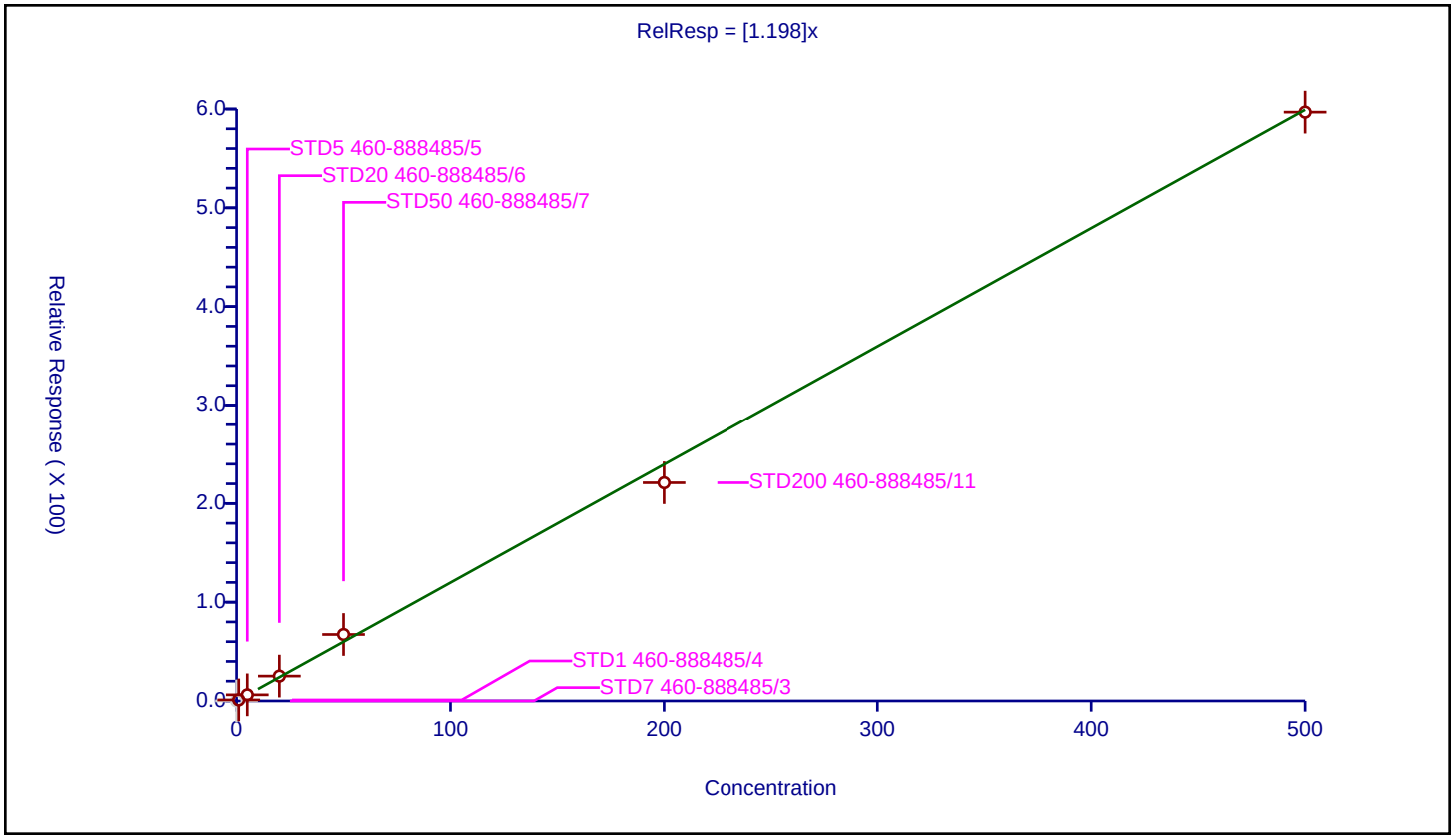
Curve Coefficients

Intercept:	0
Slope:	1.198

Error Coefficients

Standard Error:	3820000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	1.049983	50.0	599867.0	1.049983	Y
3	STD5 460-888485/5	5.0	6.187054	50.0	582943.0	1.237411	Y
4	STD20 460-888485/6	20.0	25.170232	50.0	570545.0	1.258512	Y
5	STD50 460-888485/7	50.0	67.284761	50.0	575559.0	1.345695	Y
6	STD200 460-888485/11	200.0	221.115716	50.0	657811.0	1.105579	Y
7	STD500 460-888485/9	500.0	596.852316	50.0	668285.0	1.193705	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

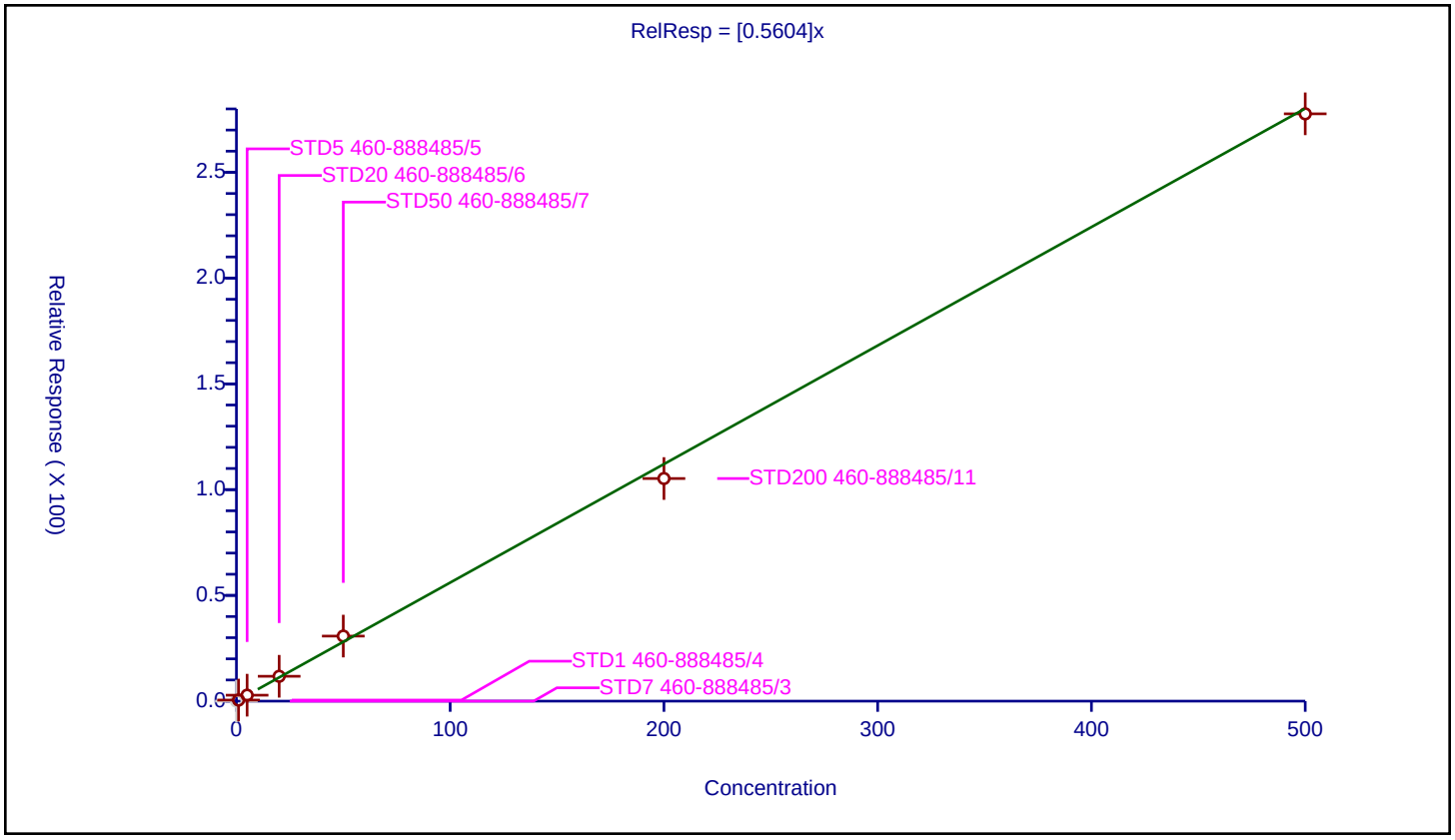
Curve Coefficients

Intercept:	0
Slope:	0.5604

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.515448	50.0	599867.0	0.515448	Y
3	STD5 460-888485/5	5.0	2.81314	50.0	582943.0	0.562628	Y
4	STD20 460-888485/6	20.0	11.748591	50.0	570545.0	0.58743	Y
5	STD50 460-888485/7	50.0	30.750974	50.0	575559.0	0.615019	Y
6	STD200 460-888485/11	200.0	105.253333	50.0	657811.0	0.526267	Y
7	STD500 460-888485/9	500.0	277.667013	50.0	668285.0	0.555334	Y



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Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

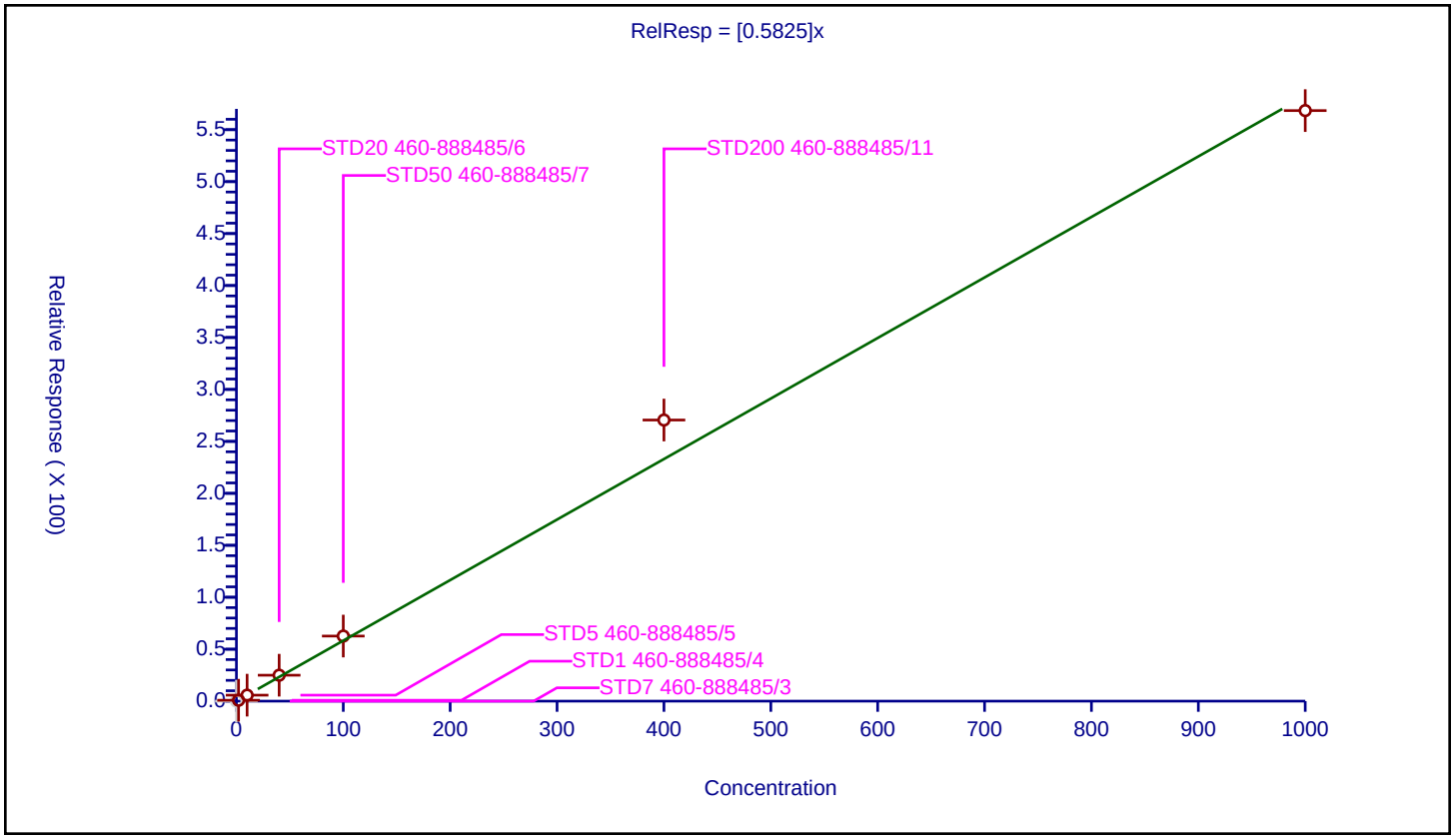
Curve Coefficients

Intercept:	0
Slope:	0.5825

Error Coefficients

Standard Error:	3770000
Relative Standard Error:	15.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	2.0	0.846688	50.0	599867.0	0.423344	Y
3	STD5 460-888485/5	10.0	5.766258	50.0	582943.0	0.576626	Y
4	STD20 460-888485/6	40.0	24.959556	50.0	570545.0	0.623989	Y
5	STD50 460-888485/7	100.0	62.627724	50.0	575559.0	0.626277	Y
6	STD200 460-888485/11	400.0	270.536446	50.0	657811.0	0.676341	Y
7	STD500 460-888485/9	1000.0	568.369109	50.0	668285.0	0.568369	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

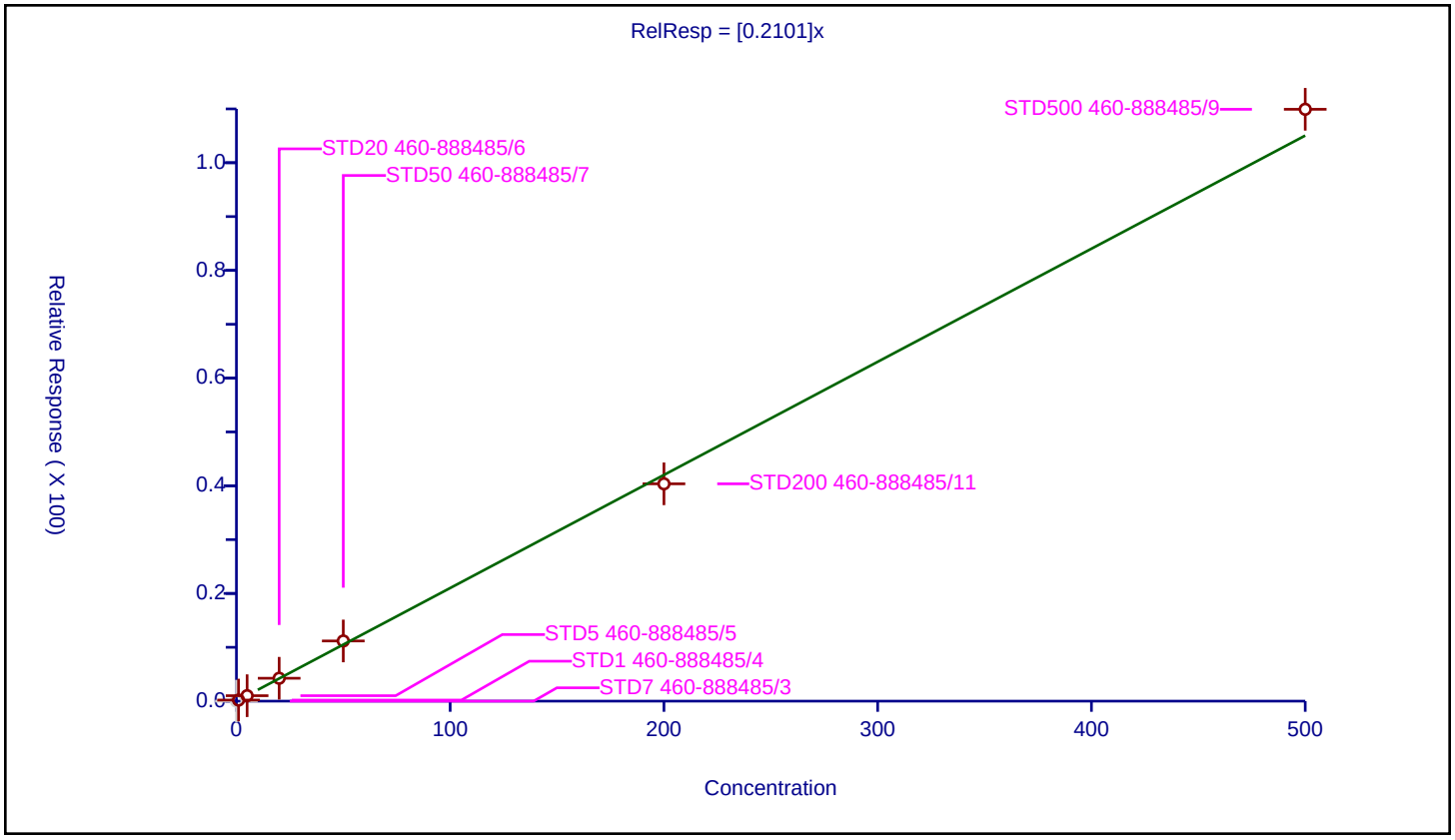
Curve Coefficients

Intercept:	0
Slope:	0.2101

Error Coefficients

Standard Error:	701000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.199961	50.0	599867.0	0.199961	Y
3	STD5 460-888485/5	5.0	1.013821	50.0	582943.0	0.202764	Y
4	STD20 460-888485/6	20.0	4.250585	50.0	570545.0	0.212529	Y
5	STD50 460-888485/7	50.0	11.178871	50.0	575559.0	0.223577	Y
6	STD200 460-888485/11	200.0	40.361821	50.0	657811.0	0.201809	Y
7	STD500 460-888485/9	500.0	109.925256	50.0	668285.0	0.219851	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

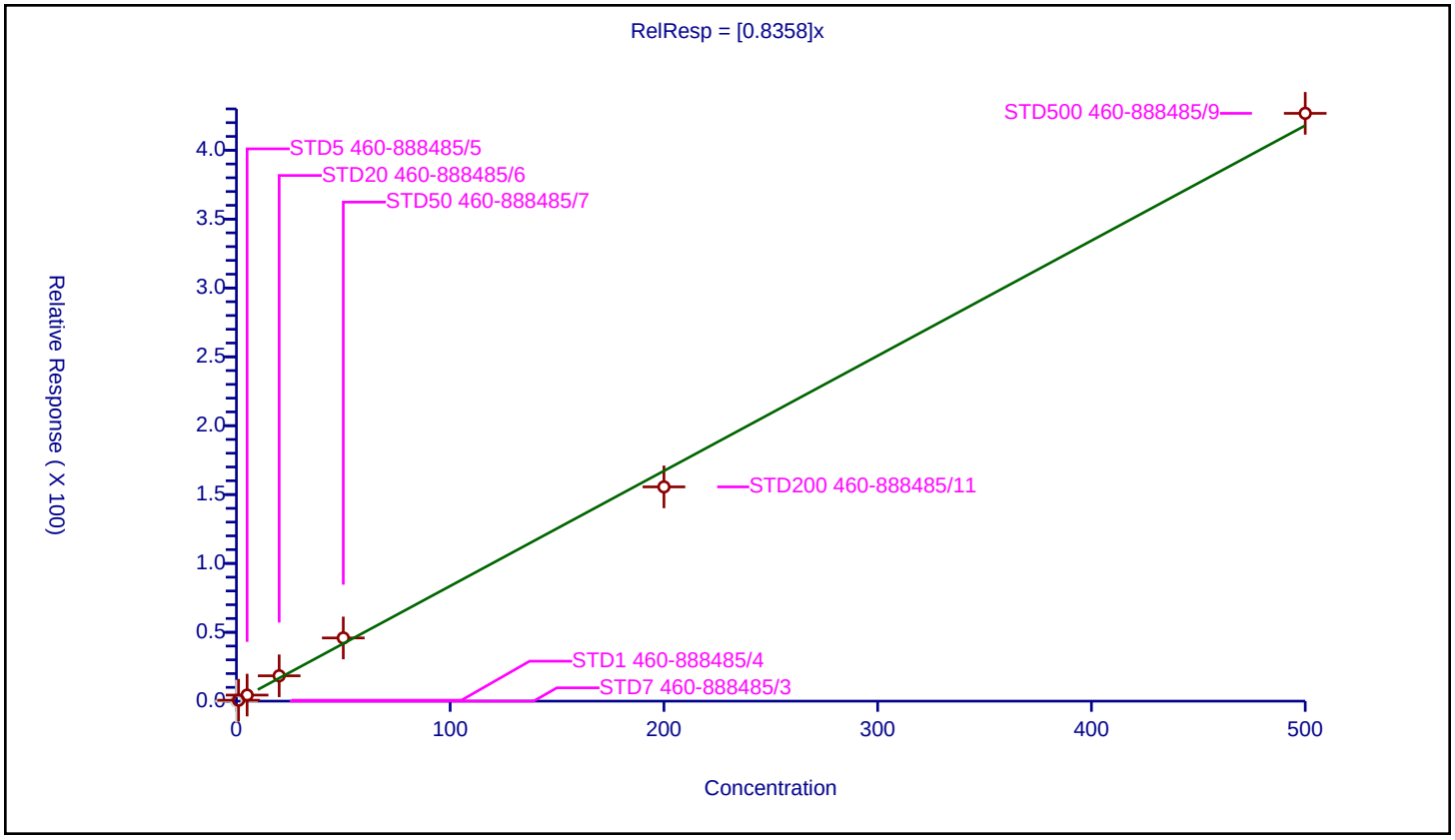
Curve Coefficients

Intercept:	0
Slope:	0.8358

Error Coefficients

Standard Error:	2720000
Relative Standard Error:	11.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.664481	50.0	599867.0	0.664481	Y
3	STD5 460-888485/5	5.0	4.406091	50.0	582943.0	0.881218	Y
4	STD20 460-888485/6	20.0	18.406699	50.0	570545.0	0.920335	Y
5	STD50 460-888485/7	50.0	45.877486	50.0	575559.0	0.91755	Y
6	STD200 460-888485/11	200.0	155.569457	50.0	657811.0	0.777847	Y
7	STD500 460-888485/9	500.0	426.777572	50.0	668285.0	0.853555	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

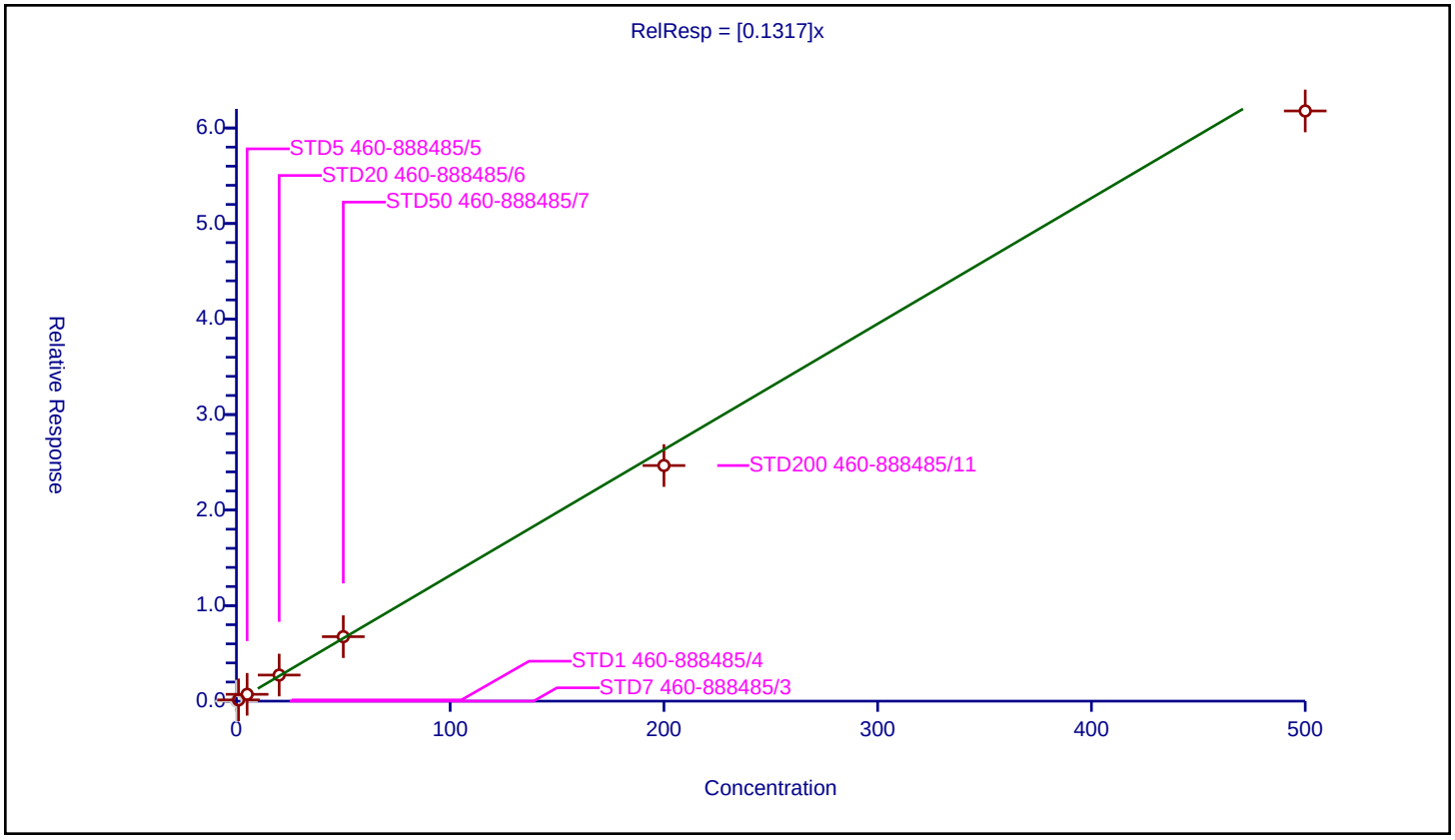
Curve Coefficients

Intercept:	0
Slope:	0.1317

Error Coefficients

Standard Error:	399000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.128362	50.0	599867.0	0.128362	Y
3	STD5 460-888485/5	5.0	0.715679	50.0	582943.0	0.143136	Y
4	STD20 460-888485/6	20.0	2.732125	50.0	570545.0	0.136606	Y
5	STD50 460-888485/7	50.0	6.748309	50.0	575559.0	0.134966	Y
6	STD200 460-888485/11	200.0	24.664683	50.0	657811.0	0.123323	Y
7	STD500 460-888485/9	500.0	61.786064	50.0	668285.0	0.123572	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

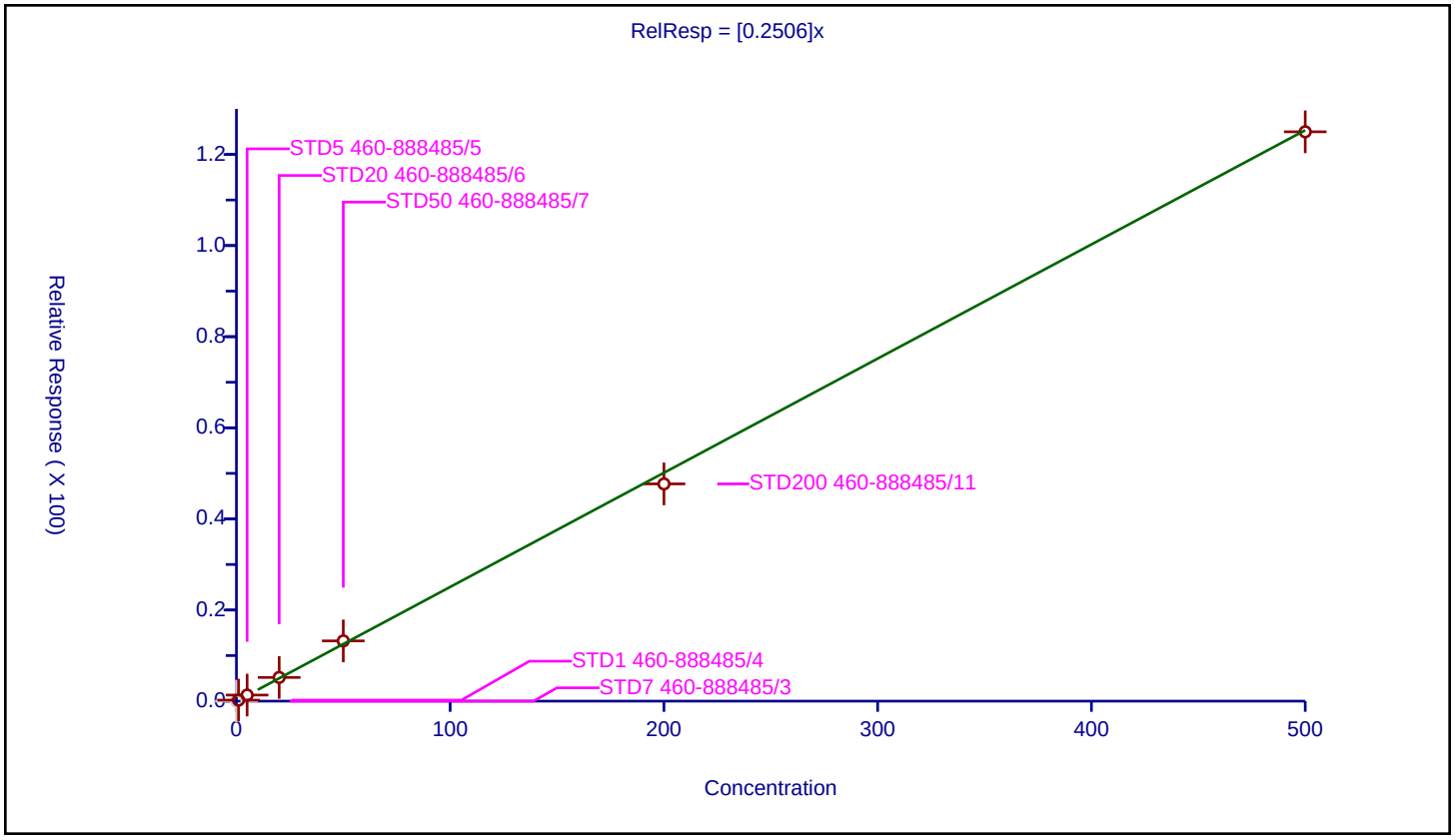
Curve Coefficients

Intercept:	0
Slope:	0.2506

Error Coefficients

Standard Error:	801000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.224216	50.0	599867.0	0.224216	Y
3	STD5 460-888485/5	5.0	1.33435	50.0	582943.0	0.26687	Y
4	STD20 460-888485/6	20.0	5.198451	50.0	570545.0	0.259923	Y
5	STD50 460-888485/7	50.0	13.221494	50.0	575559.0	0.26443	Y
6	STD200 460-888485/11	200.0	47.684441	50.0	657811.0	0.238422	Y
7	STD500 460-888485/9	500.0	124.974898	50.0	668285.0	0.24995	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

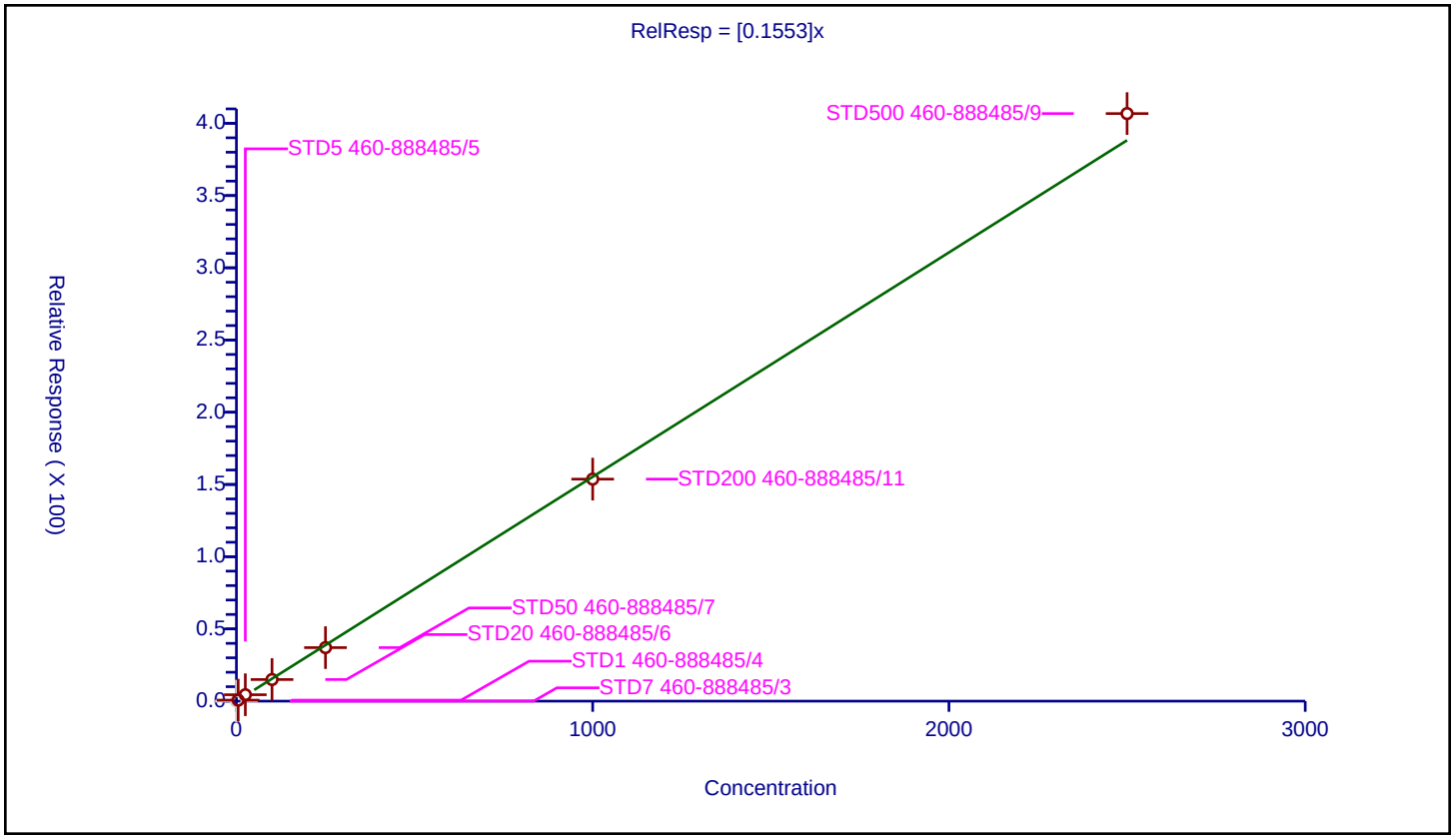
Curve Coefficients

Intercept:	0
Slope:	0.1553

Error Coefficients

Standard Error:	379000
Relative Standard Error:	8.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	5.0	0.699667	250.0	438780.0	0.139933	Y
3	STD5 460-888485/5	25.0	4.440938	250.0	436338.0	0.177638	Y
4	STD20 460-888485/6	100.0	14.964538	250.0	473035.0	0.149645	Y
5	STD50 460-888485/7	250.0	37.055169	250.0	468268.0	0.148221	Y
6	STD200 460-888485/11	1000.0	153.682087	250.0	453262.0	0.153682	Y
7	STD500 460-888485/9	2500.0	406.756144	250.0	489362.0	0.162702	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

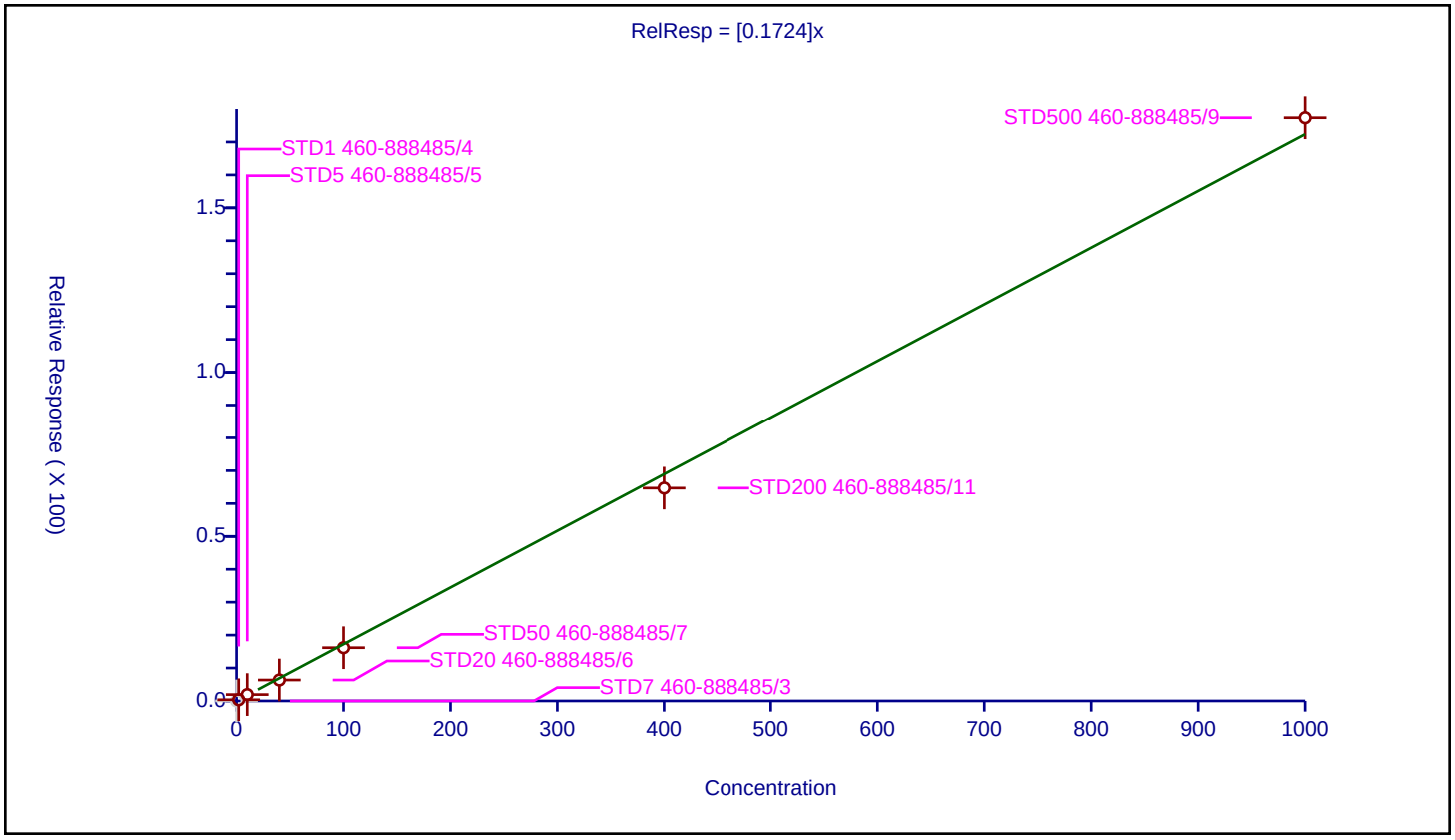
Curve Coefficients

Intercept:	0
Slope:	0.1724

Error Coefficients

Standard Error:	164000
Relative Standard Error:	8.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	2.0	0.362368	250.0	438780.0	0.181184	Y
3	STD5 460-888485/5	10.0	1.931989	250.0	436338.0	0.193199	Y
4	STD20 460-888485/6	40.0	6.36158	250.0	473035.0	0.15904	Y
5	STD50 460-888485/7	100.0	16.165422	250.0	468268.0	0.161654	Y
6	STD200 460-888485/11	400.0	64.702644	250.0	453262.0	0.161757	Y
7	STD500 460-888485/9	1000.0	177.361544	250.0	489362.0	0.177362	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

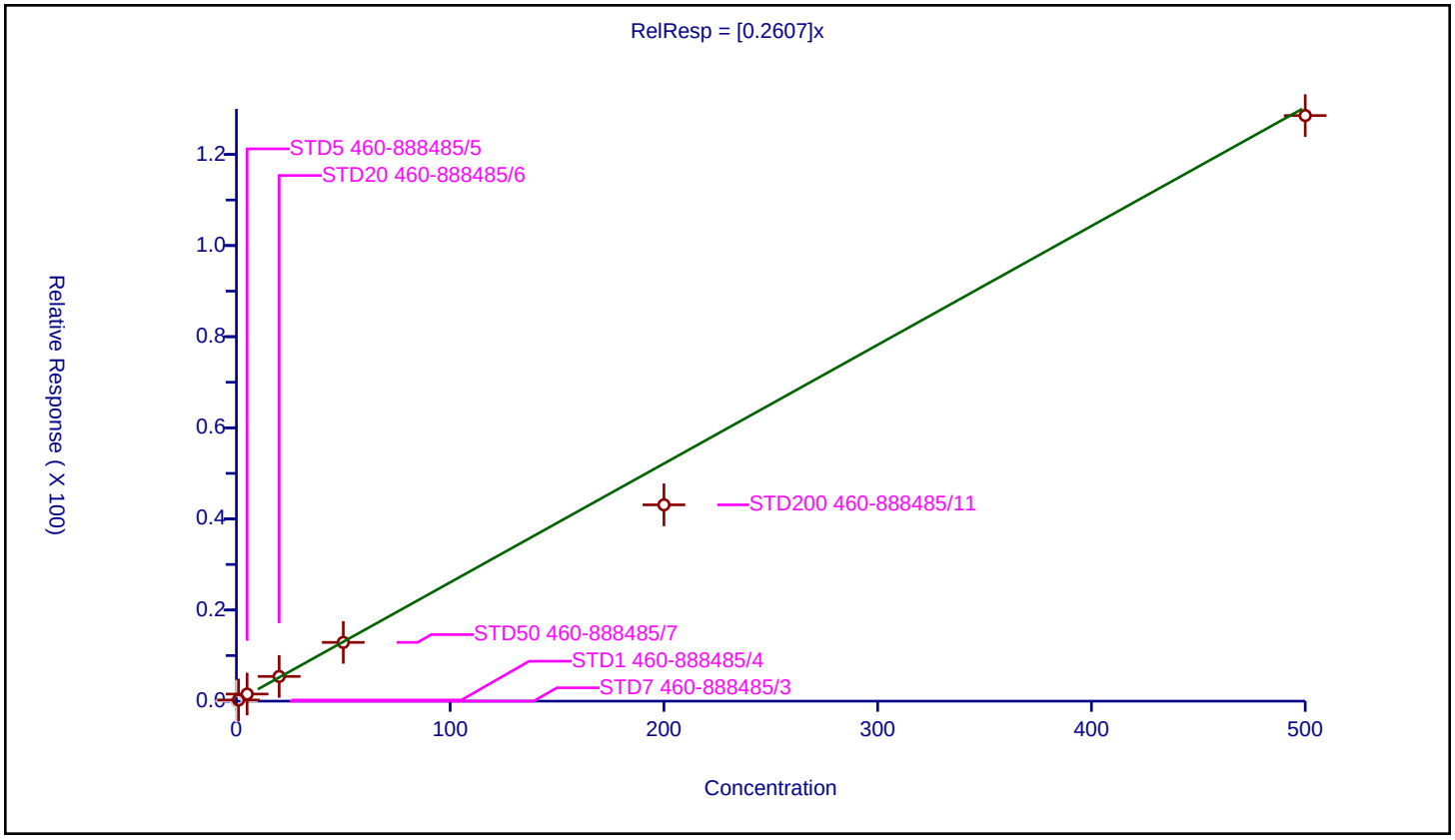
Curve Coefficients

Intercept:	0
Slope:	0.2607

Error Coefficients

Standard Error:	812000
Relative Standard Error:	11.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.251556	50.0	599867.0	0.251556	Y
3	STD5 460-888485/5	5.0	1.556842	50.0	582943.0	0.311368	Y
4	STD20 460-888485/6	20.0	5.420519	50.0	570545.0	0.271026	Y
5	STD50 460-888485/7	50.0	12.891902	50.0	575559.0	0.257838	Y
6	STD200 460-888485/11	200.0	43.090341	50.0	657811.0	0.215452	Y
7	STD500 460-888485/9	500.0	128.535879	50.0	668285.0	0.257072	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

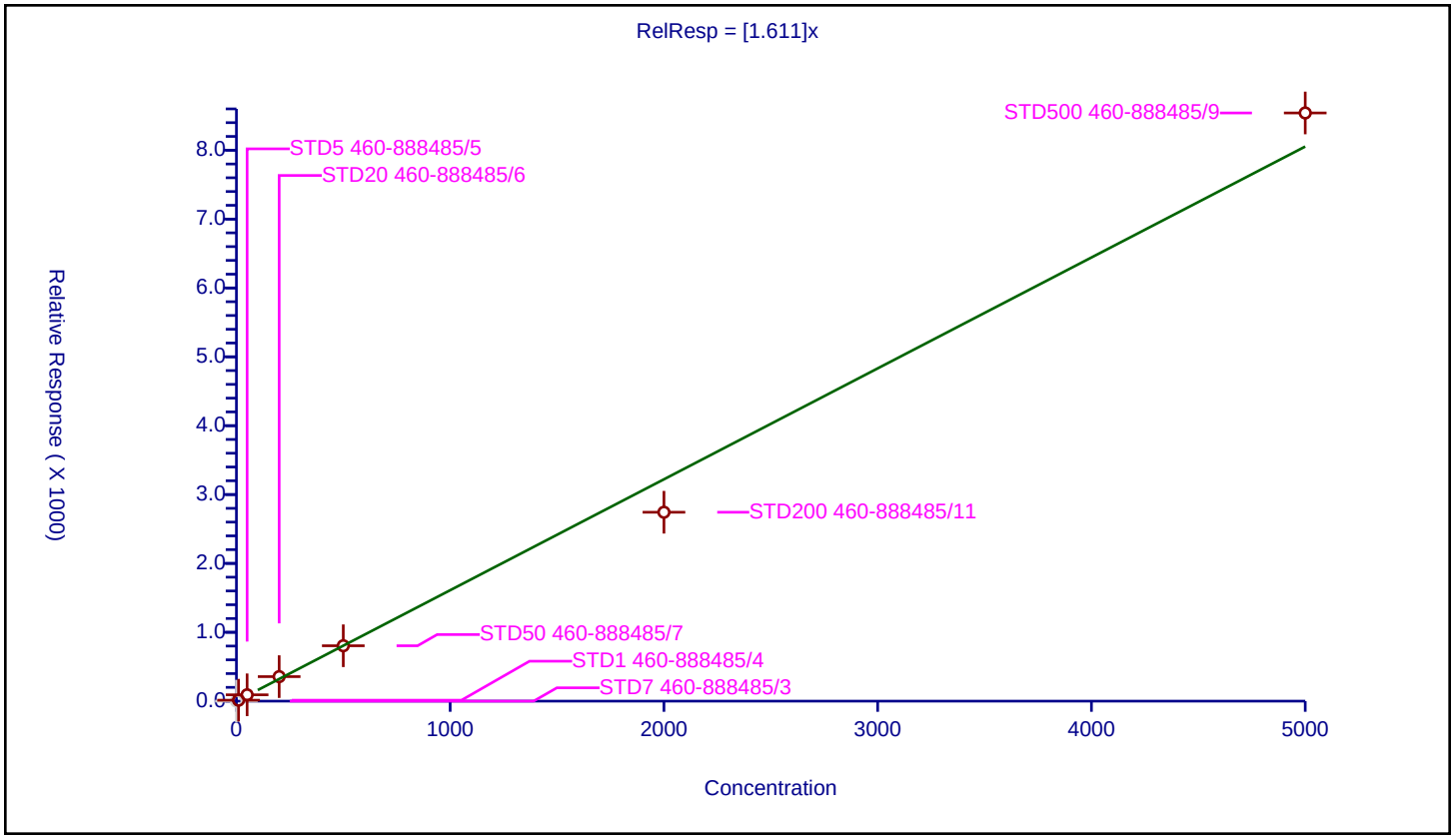
Curve Coefficients

Intercept:	0
Slope:	1.611

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	12.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	10.0	13.561739	1000.0	262282.0	1.356174	Y
3	STD5 460-888485/5	50.0	91.979285	1000.0	257982.0	1.839586	Y
4	STD20 460-888485/6	200.0	355.895455	1000.0	269818.0	1.779477	Y
5	STD50 460-888485/7	500.0	804.288569	1000.0	283218.0	1.608577	Y
6	STD200 460-888485/11	2000.0	2743.218415	1000.0	299893.0	1.371609	Y
7	STD500 460-888485/9	5000.0	8540.764854	1000.0	300737.0	1.708153	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

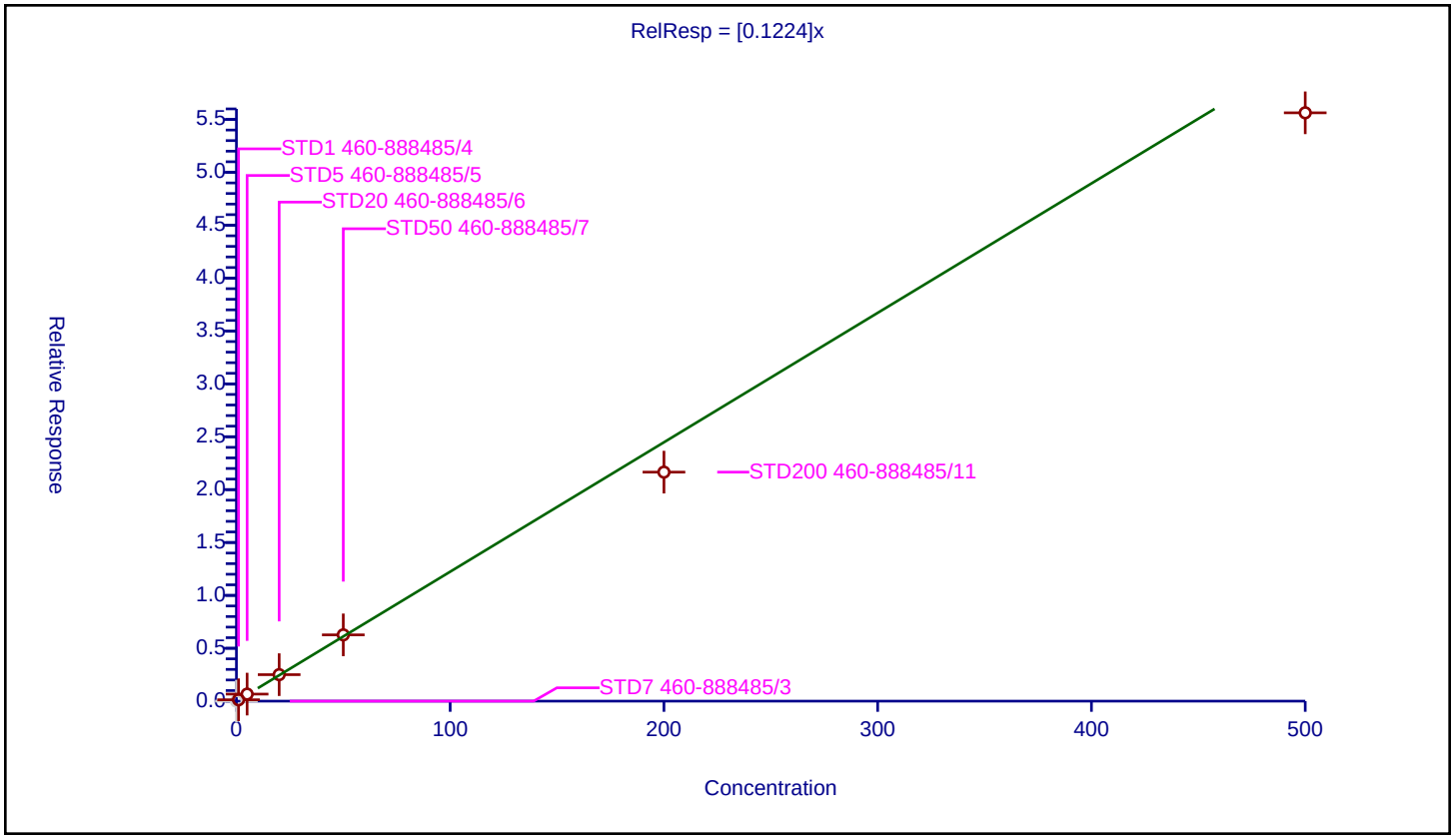
Curve Coefficients

Intercept:	0
Slope:	0.1224

Error Coefficients

Standard Error:	358000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.130779	50.0	599867.0	0.130779	Y
3	STD5 460-888485/5	5.0	0.667046	50.0	582943.0	0.133409	Y
4	STD20 460-888485/6	20.0	2.504535	50.0	570545.0	0.125227	Y
5	STD50 460-888485/7	50.0	6.265822	50.0	575559.0	0.125316	Y
6	STD200 460-888485/11	200.0	21.654168	50.0	657811.0	0.108271	Y
7	STD500 460-888485/9	500.0	55.629709	50.0	668285.0	0.111259	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

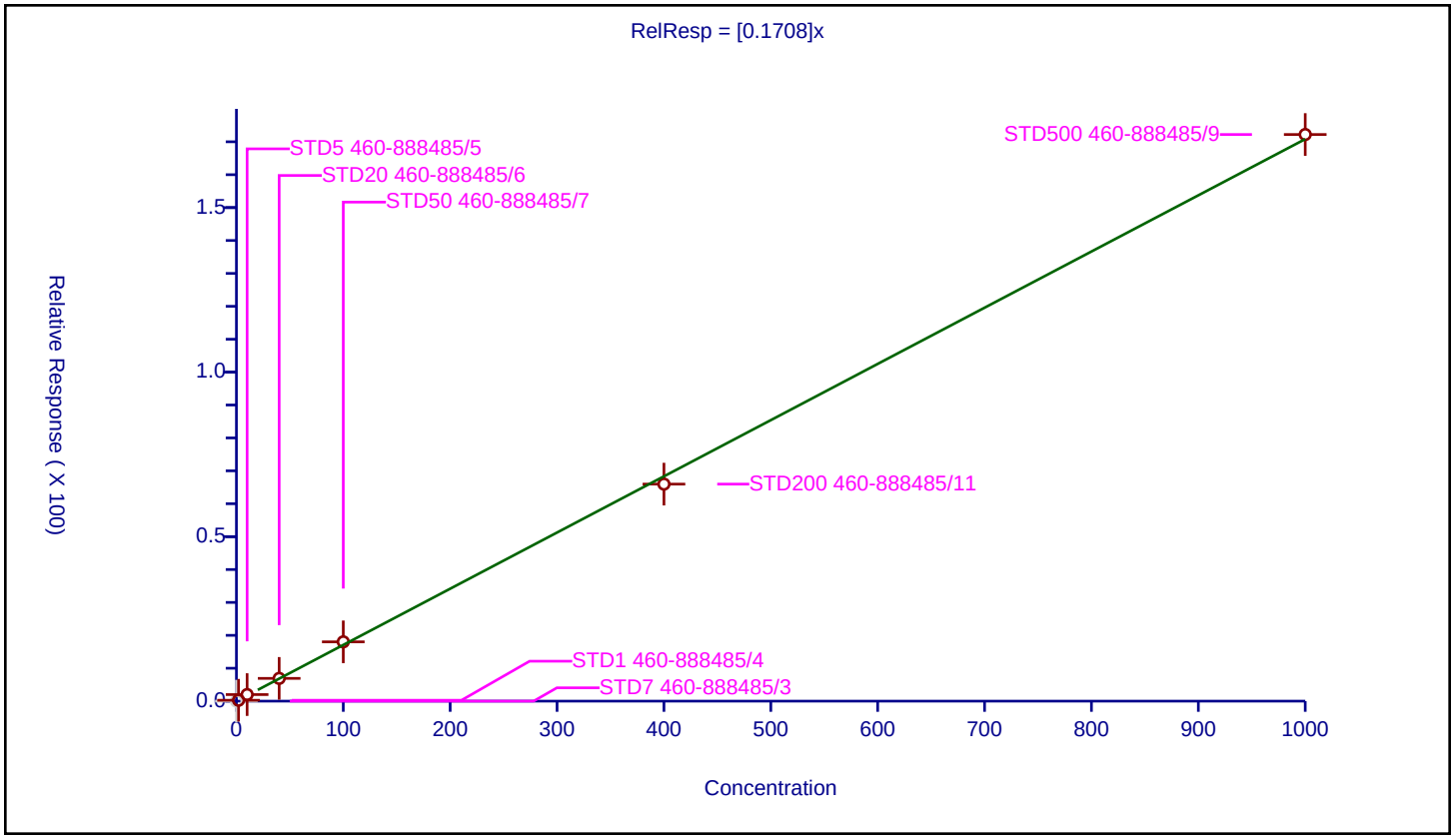
Curve Coefficients

Intercept:	0
Slope:	0.1708

Error Coefficients

Standard Error:	161000
Relative Standard Error:	12.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	2.0	0.269497	250.0	438780.0	0.134749	Y
3	STD5 460-888485/5	10.0	1.997878	250.0	436338.0	0.199788	Y
4	STD20 460-888485/6	40.0	6.920207	250.0	473035.0	0.173005	Y
5	STD50 460-888485/7	100.0	18.021731	250.0	468268.0	0.180217	Y
6	STD200 460-888485/11	400.0	65.964056	250.0	453262.0	0.16491	Y
7	STD500 460-888485/9	1000.0	172.213515	250.0	489362.0	0.172214	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

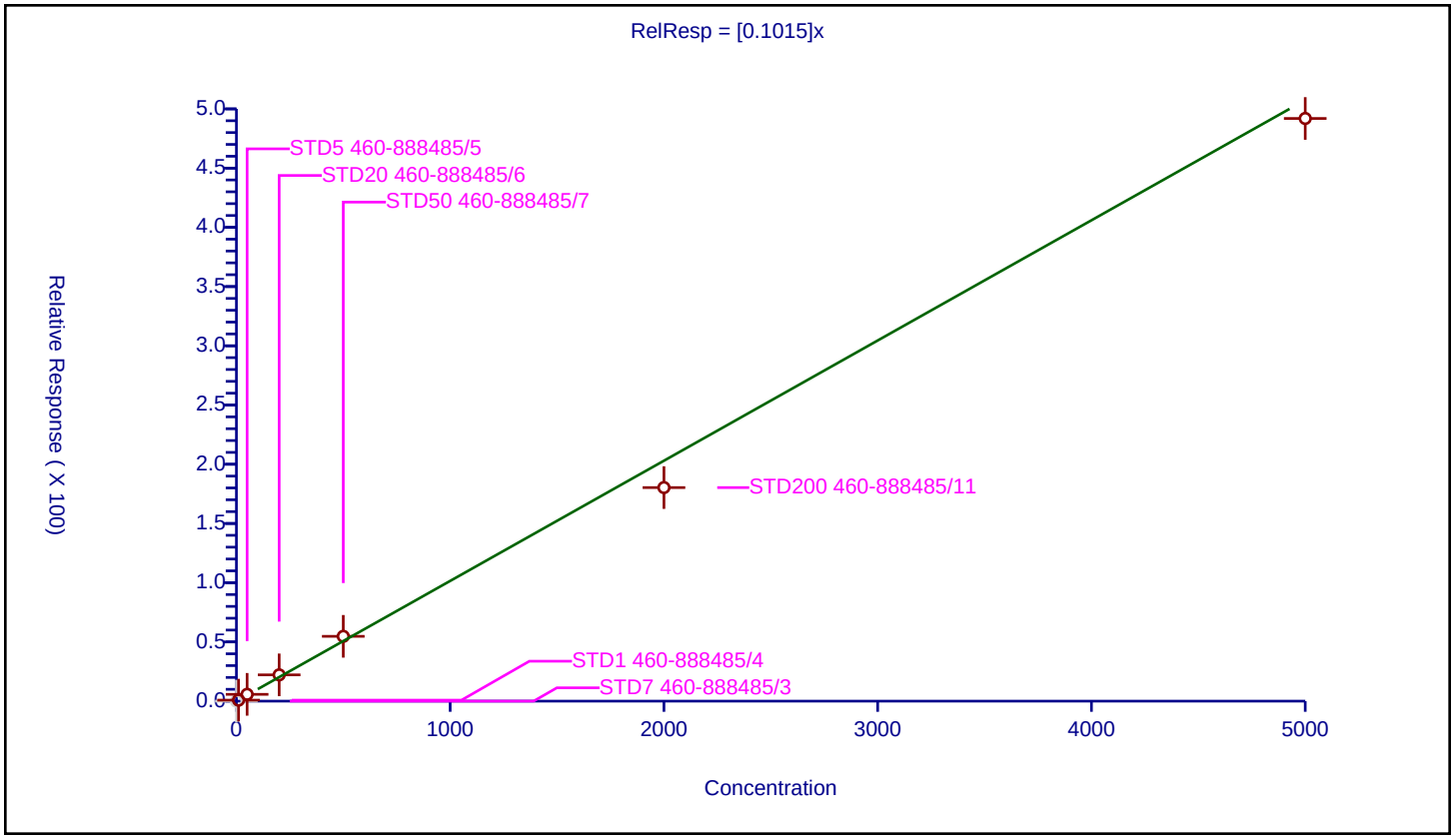
Curve Coefficients

Intercept:	0
Slope:	0.1015

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	10.0	0.849688	50.0	599867.0	0.084969	Y
3	STD5 460-888485/5	50.0	5.752535	50.0	582943.0	0.115051	Y
4	STD20 460-888485/6	200.0	22.190274	50.0	570545.0	0.110951	Y
5	STD50 460-888485/7	500.0	54.70864	50.0	575559.0	0.109417	Y
6	STD200 460-888485/11	2000.0	180.30787	50.0	657811.0	0.090154	Y
7	STD500 460-888485/9	5000.0	491.906597	50.0	668285.0	0.098381	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

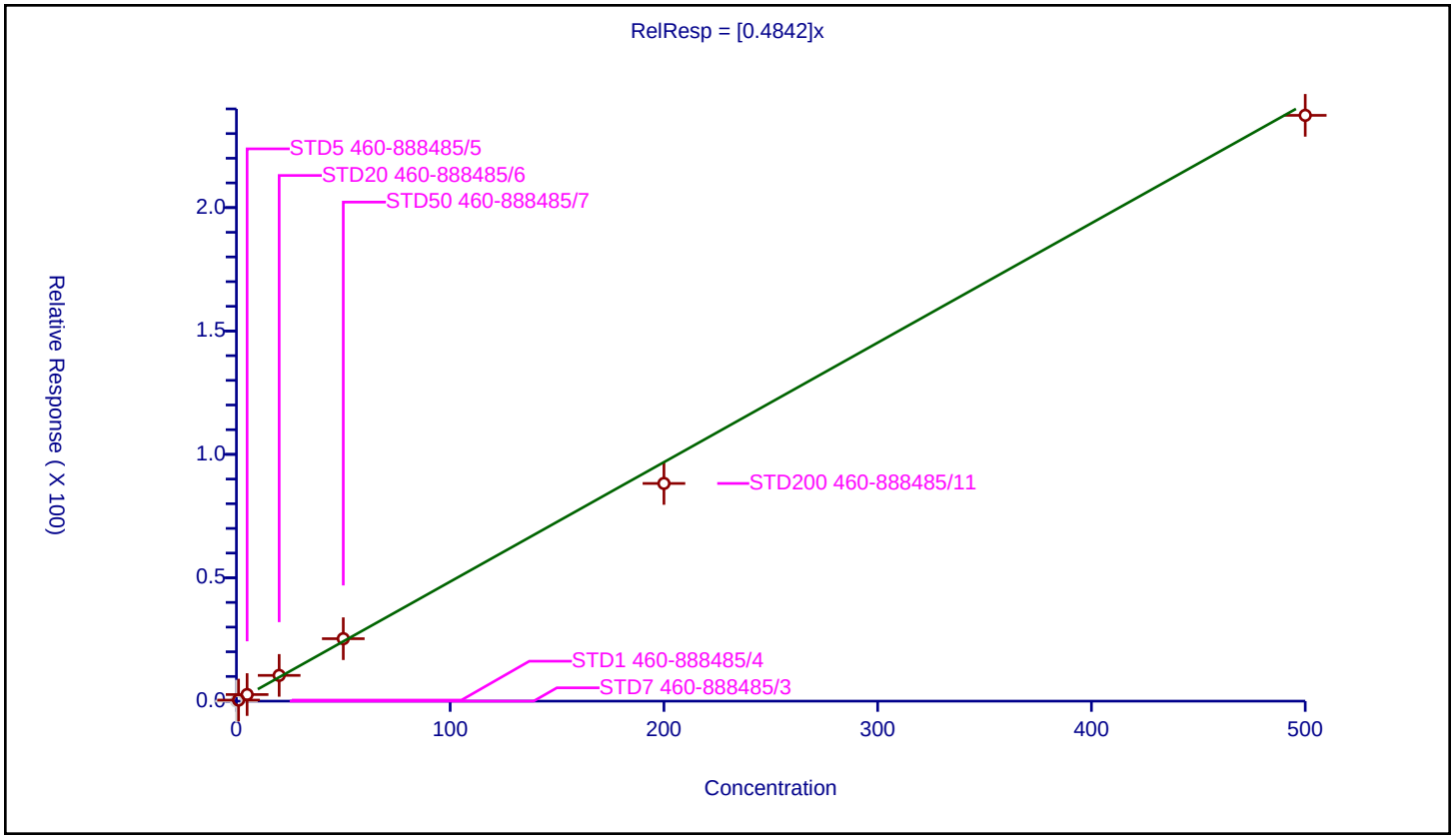
Curve Coefficients

Intercept:	0
Slope:	0.4842

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.427011	50.0	599867.0	0.427011	Y
3	STD5 460-888485/5	5.0	2.673675	50.0	582943.0	0.534735	Y
4	STD20 460-888485/6	20.0	10.427574	50.0	570545.0	0.521379	Y
5	STD50 460-888485/7	50.0	25.307744	50.0	575559.0	0.506155	Y
6	STD200 460-888485/11	200.0	88.217816	50.0	657811.0	0.441089	Y
7	STD500 460-888485/9	500.0	237.38824	50.0	668285.0	0.474776	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

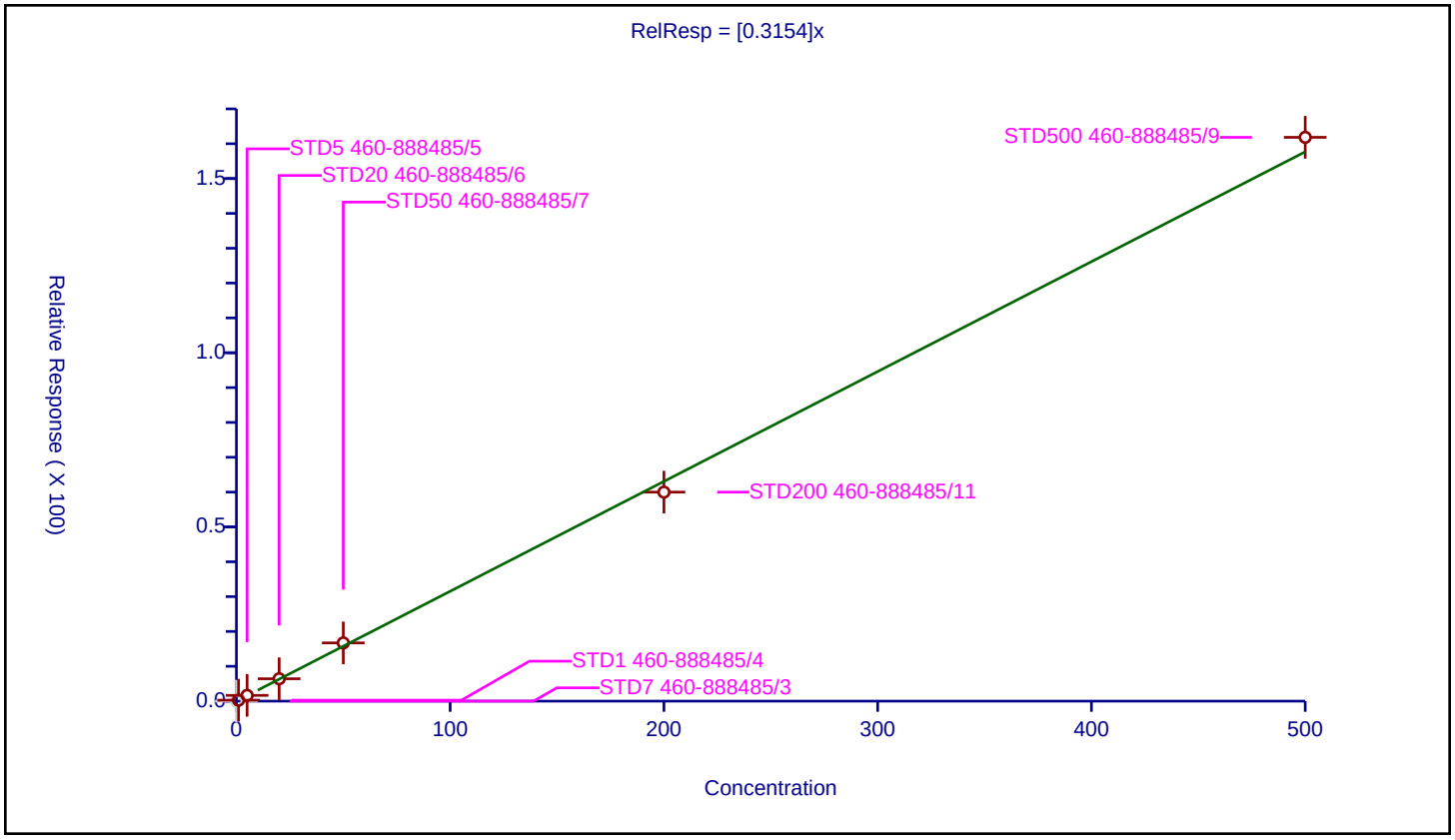
Curve Coefficients

Intercept:	0
Slope:	0.3154

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.281562	50.0	599867.0	0.281562	Y
3	STD5 460-888485/5	5.0	1.658138	50.0	582943.0	0.331628	Y
4	STD20 460-888485/6	20.0	6.42193	50.0	570545.0	0.321096	Y
5	STD50 460-888485/7	50.0	16.713838	50.0	575559.0	0.334277	Y
6	STD200 460-888485/11	200.0	59.991776	50.0	657811.0	0.299959	Y
7	STD500 460-888485/9	500.0	161.833275	50.0	668285.0	0.323667	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

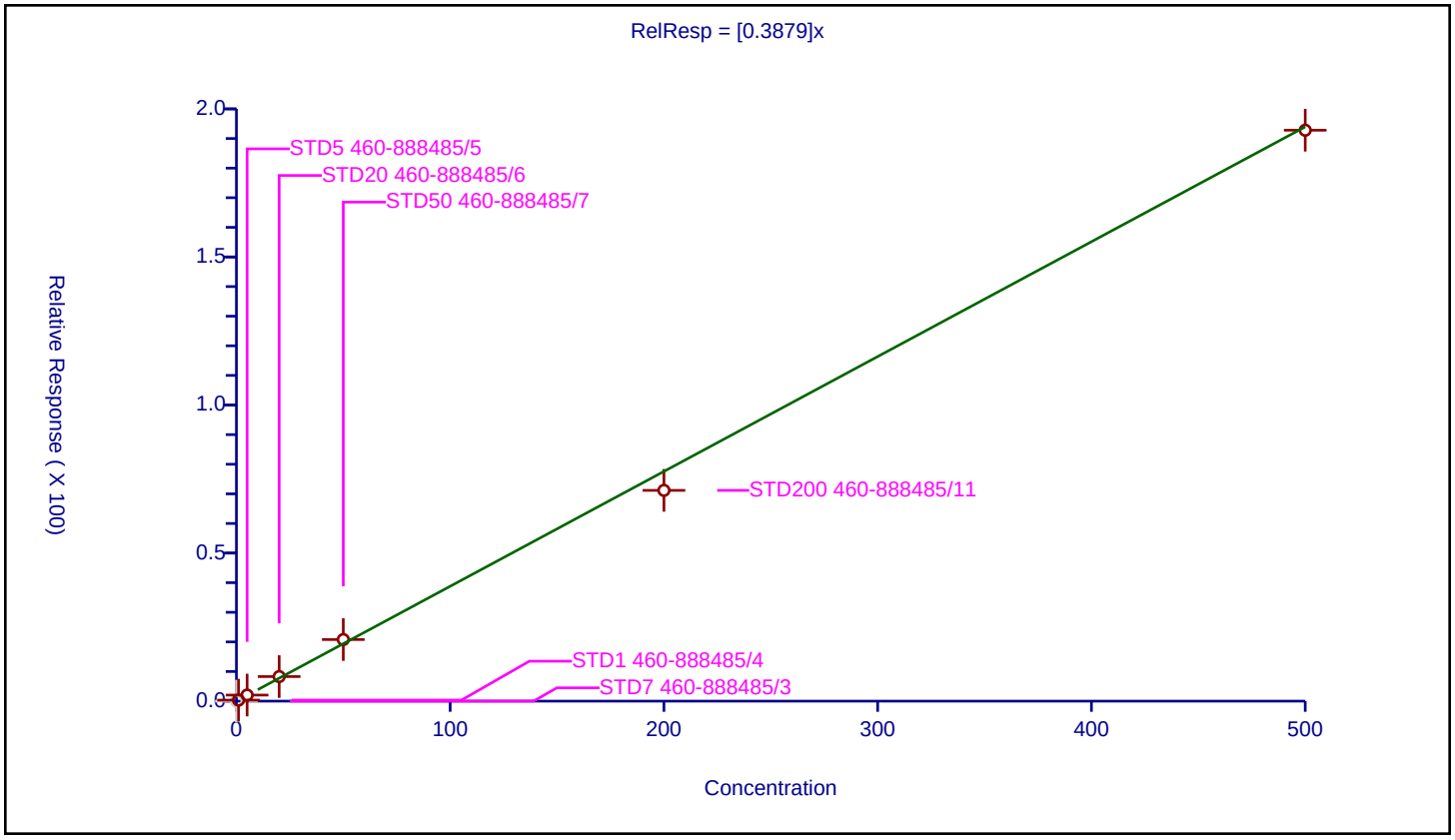
Curve Coefficients

Intercept:	0
Slope:	0.3879

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.34641	50.0	599867.0	0.34641	Y
3	STD5 460-888485/5	5.0	2.042653	50.0	582943.0	0.408531	Y
4	STD20 460-888485/6	20.0	8.295928	50.0	570545.0	0.414796	Y
5	STD50 460-888485/7	50.0	20.802993	50.0	575559.0	0.41606	Y
6	STD200 460-888485/11	200.0	71.173939	50.0	657811.0	0.35587	Y
7	STD500 460-888485/9	500.0	192.793195	50.0	668285.0	0.385586	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

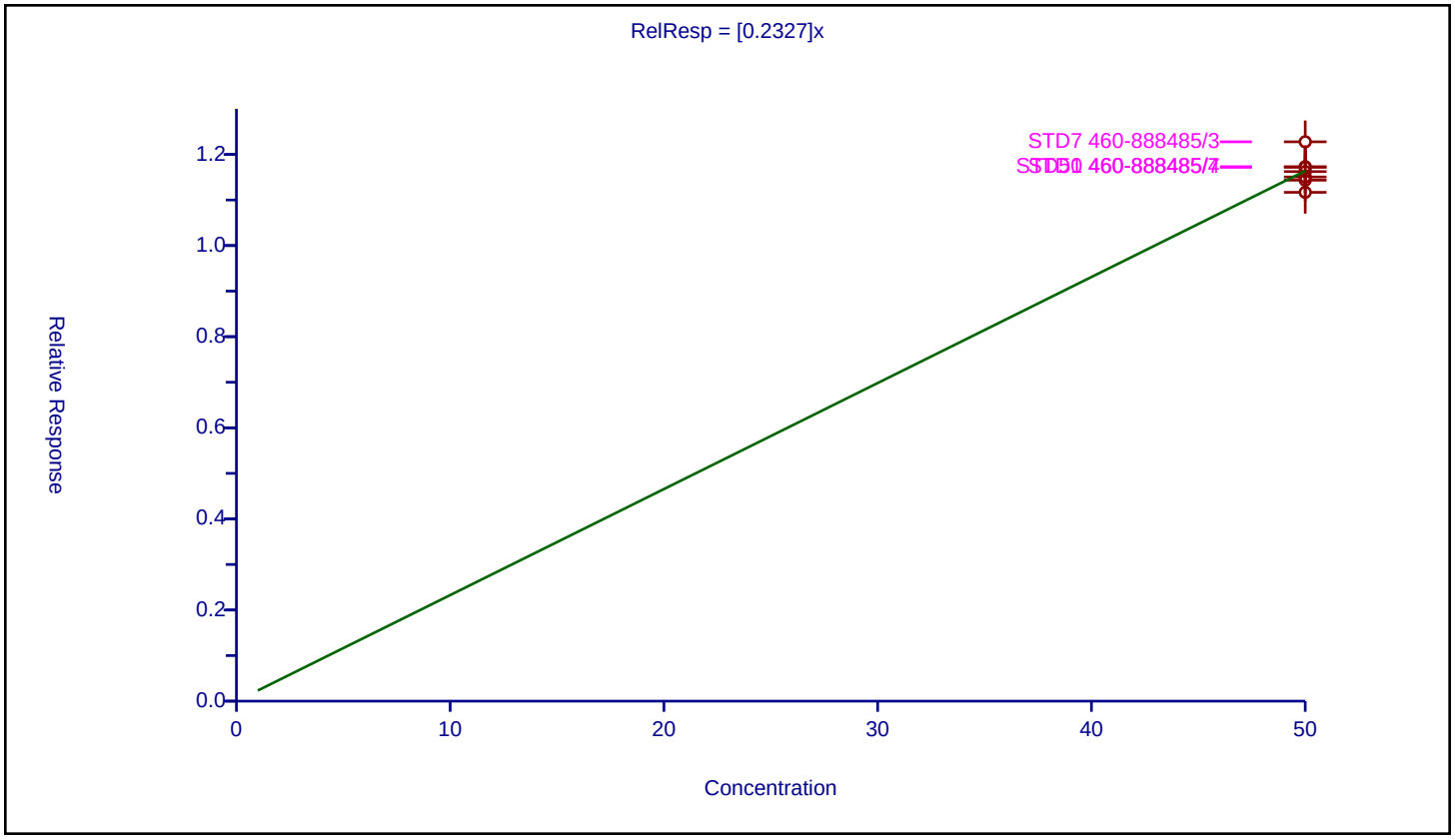
Curve Coefficients

Intercept:	0
Slope:	0.2327

Error Coefficients

Standard Error:	150000
Relative Standard Error:	2.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	50.0	12.277436	50.0	528612.0	0.245549	Y
2	STD1 460-888485/4	50.0	11.718098	50.0	599867.0	0.234362	Y
3	STD5 460-888485/5	50.0	11.50567	50.0	582943.0	0.230113	Y
4	STD20 460-888485/6	50.0	11.623798	50.0	570545.0	0.232476	Y
5	STD50 460-888485/7	50.0	11.731551	50.0	575559.0	0.234631	Y
6	STD500 460-888485/9	50.0	11.435016	50.0	668285.0	0.2287	Y
7	STD200 460-888485/11	50.0	11.168634	50.0	657811.0	0.223373	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

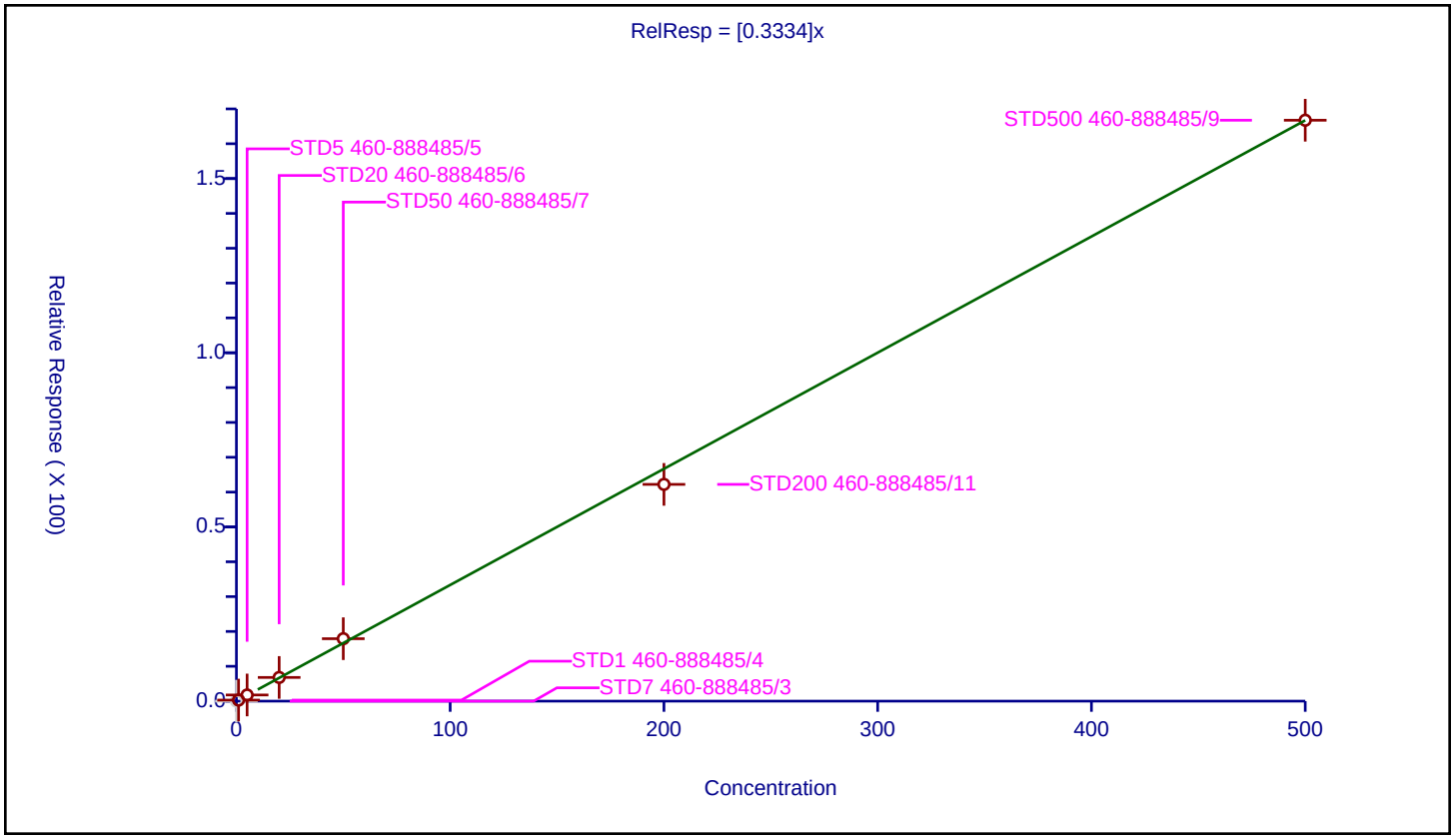
Curve Coefficients

Intercept:	0
Slope:	0.3334

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.304151	50.0	599867.0	0.304151	Y
3	STD5 460-888485/5	5.0	1.767068	50.0	582943.0	0.353414	Y
4	STD20 460-888485/6	20.0	6.798324	50.0	570545.0	0.339916	Y
5	STD50 460-888485/7	50.0	17.922229	50.0	575559.0	0.358445	Y
6	STD200 460-888485/11	200.0	62.220987	50.0	657811.0	0.311105	Y
7	STD500 460-888485/9	500.0	166.745924	50.0	668285.0	0.333492	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

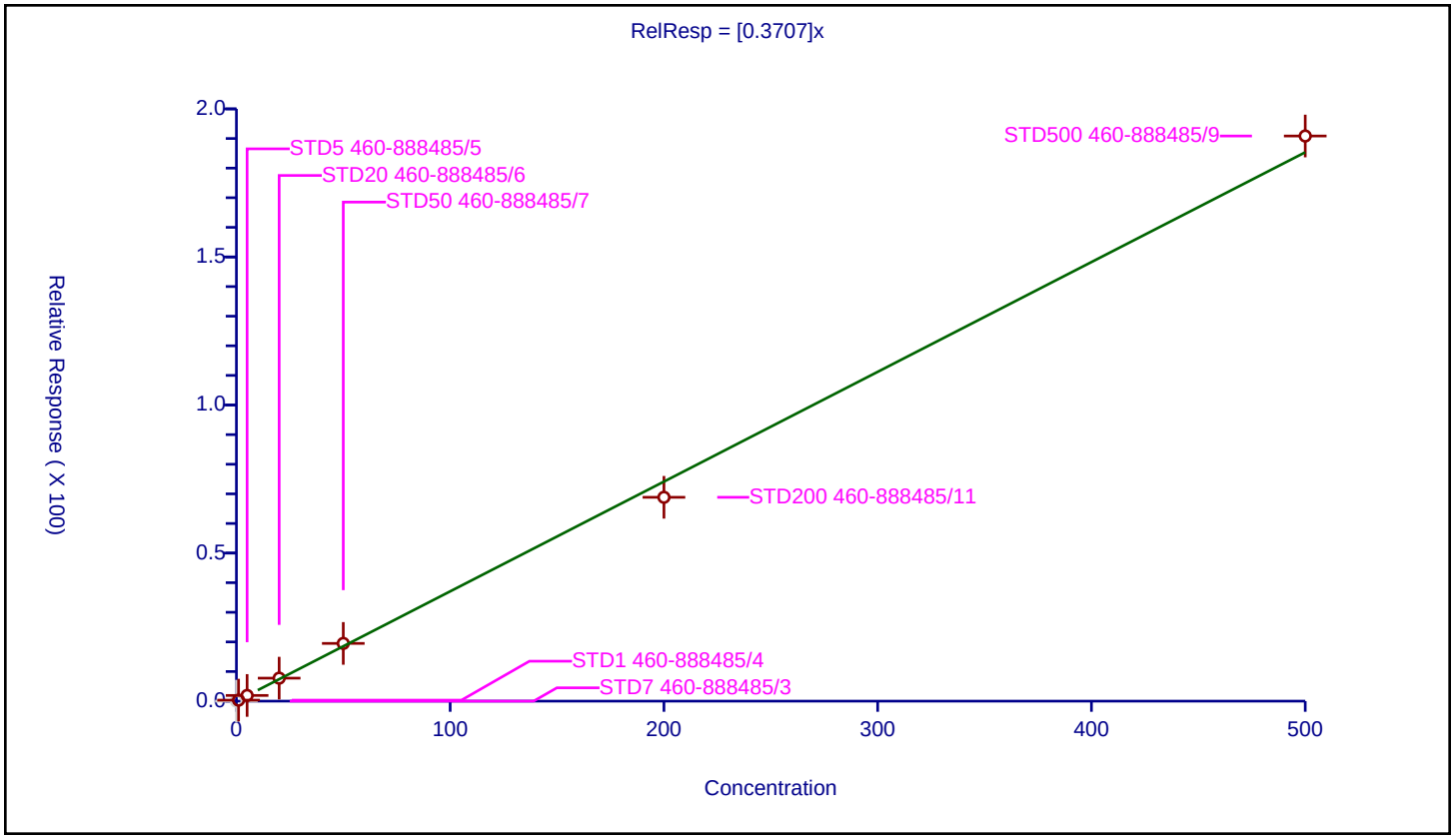
Curve Coefficients

Intercept:	0
Slope:	0.3707

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.335741	50.0	599867.0	0.335741	Y
3	STD5 460-888485/5	5.0	1.921543	50.0	582943.0	0.384309	Y
4	STD20 460-888485/6	20.0	7.765733	50.0	570545.0	0.388287	Y
5	STD50 460-888485/7	50.0	19.493831	50.0	575559.0	0.389877	Y
6	STD200 460-888485/11	200.0	68.835957	50.0	657811.0	0.34418	Y
7	STD500 460-888485/9	500.0	190.846121	50.0	668285.0	0.381692	Y



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Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

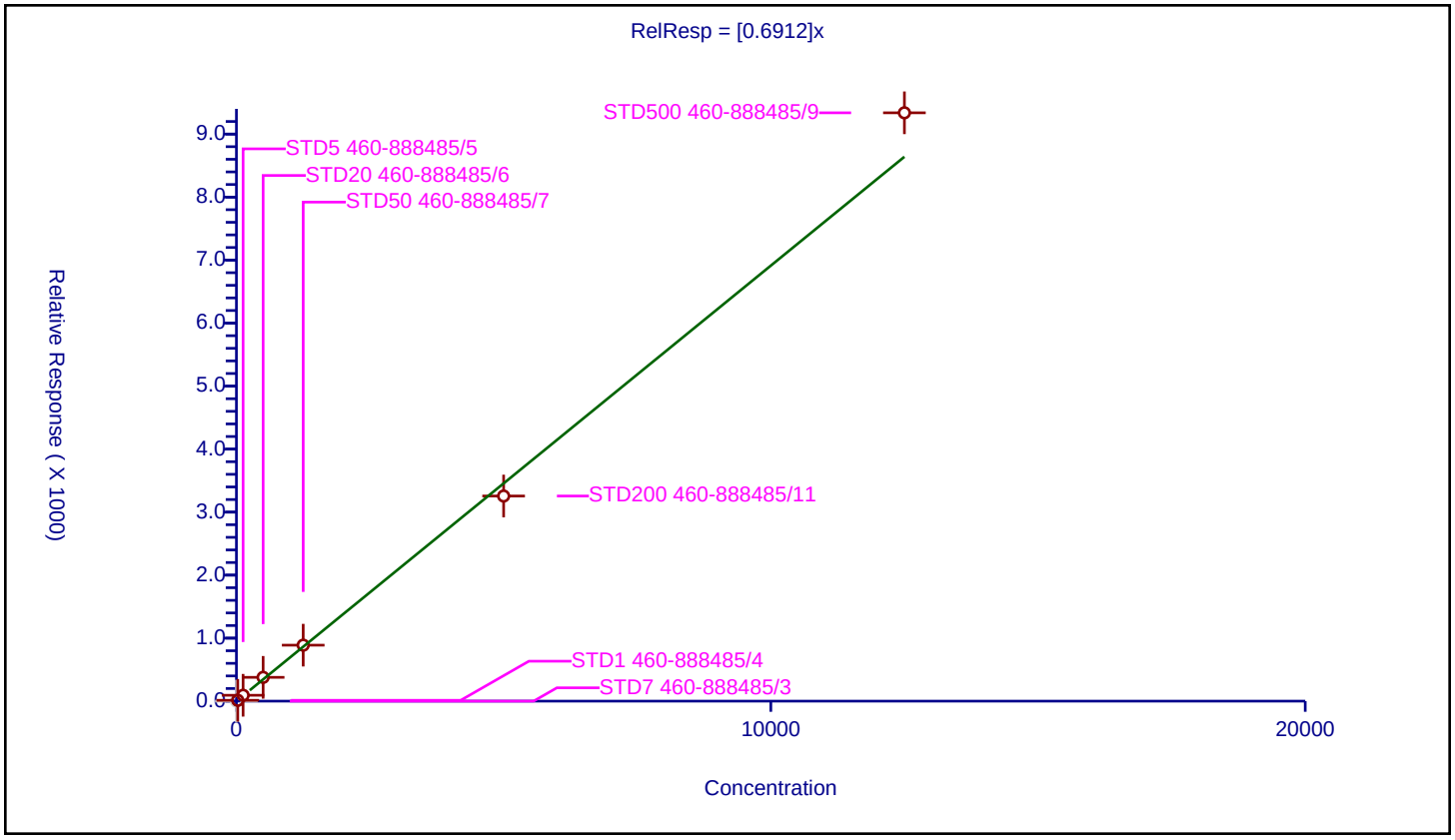
Curve Coefficients

Intercept:	0
Slope:	0.6912

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	12.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	25.0	13.443545	1000.0	262282.0	0.537742	Y
3	STD5 460-888485/5	125.0	93.161538	1000.0	257982.0	0.745292	Y
4	STD20 460-888485/6	500.0	377.684217	1000.0	269818.0	0.755368	Y
5	STD50 460-888485/7	1250.0	888.29806	1000.0	283218.0	0.710638	Y
6	STD200 460-888485/11	5000.0	3255.757887	1000.0	299893.0	0.651152	Y
7	STD500 460-888485/9	12500.0	9337.836714	1000.0	300737.0	0.747027	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

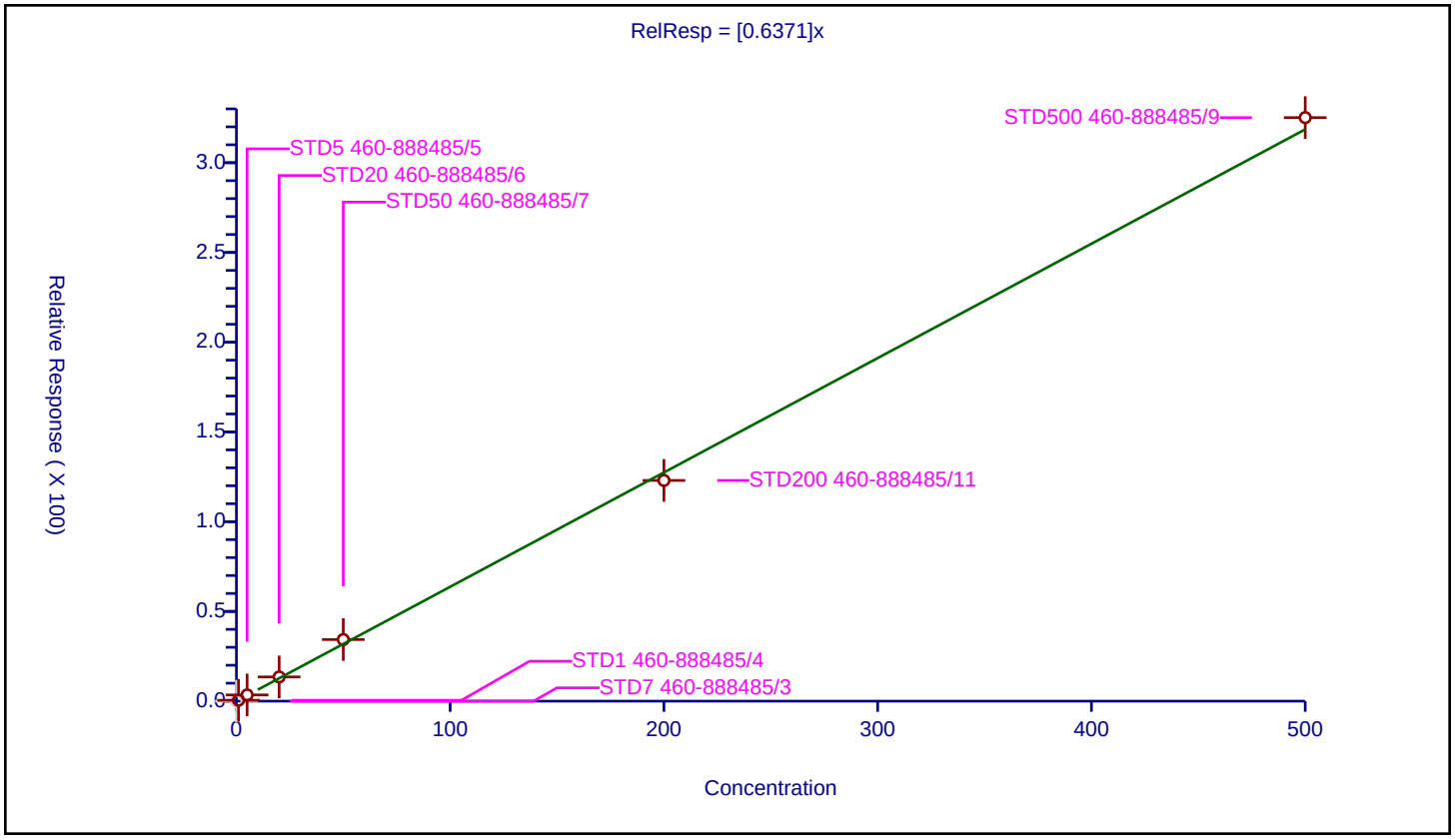
Curve Coefficients

Intercept:	0
Slope:	0.6371

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.502111	50.0	599867.0	0.502111	Y
3	STD5 460-888485/5	5.0	3.470408	50.0	582943.0	0.694082	Y
4	STD20 460-888485/6	20.0	13.501214	50.0	570545.0	0.675061	Y
5	STD50 460-888485/7	50.0	34.322285	50.0	575559.0	0.686446	Y
6	STD200 460-888485/11	200.0	122.980461	50.0	657811.0	0.614902	Y
7	STD500 460-888485/9	500.0	325.130221	50.0	668285.0	0.65026	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

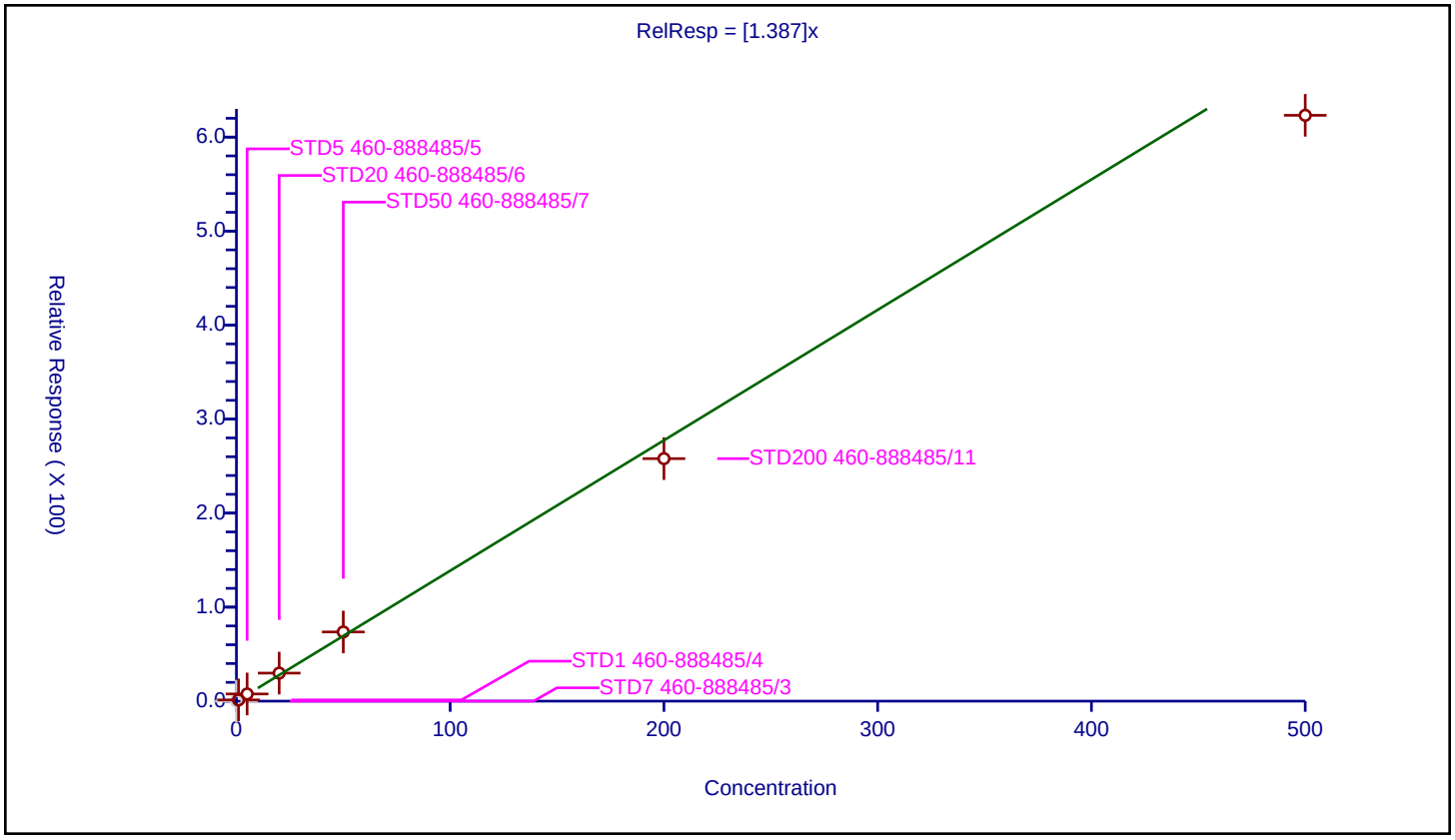
Curve Coefficients

Intercept:	0
Slope:	1.387

Error Coefficients

Standard Error:	3150000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	1.297187	50.0	434941.0	1.297187	Y
3	STD5 460-888485/5	5.0	7.642598	50.0	419432.0	1.52852	Y
4	STD20 460-888485/6	20.0	29.806818	50.0	412305.0	1.490341	Y
5	STD50 460-888485/7	50.0	73.585246	50.0	418624.0	1.471705	Y
6	STD200 460-888485/11	200.0	257.970703	50.0	495891.0	1.289854	Y
7	STD500 460-888485/9	500.0	623.184083	50.0	523014.0	1.246368	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

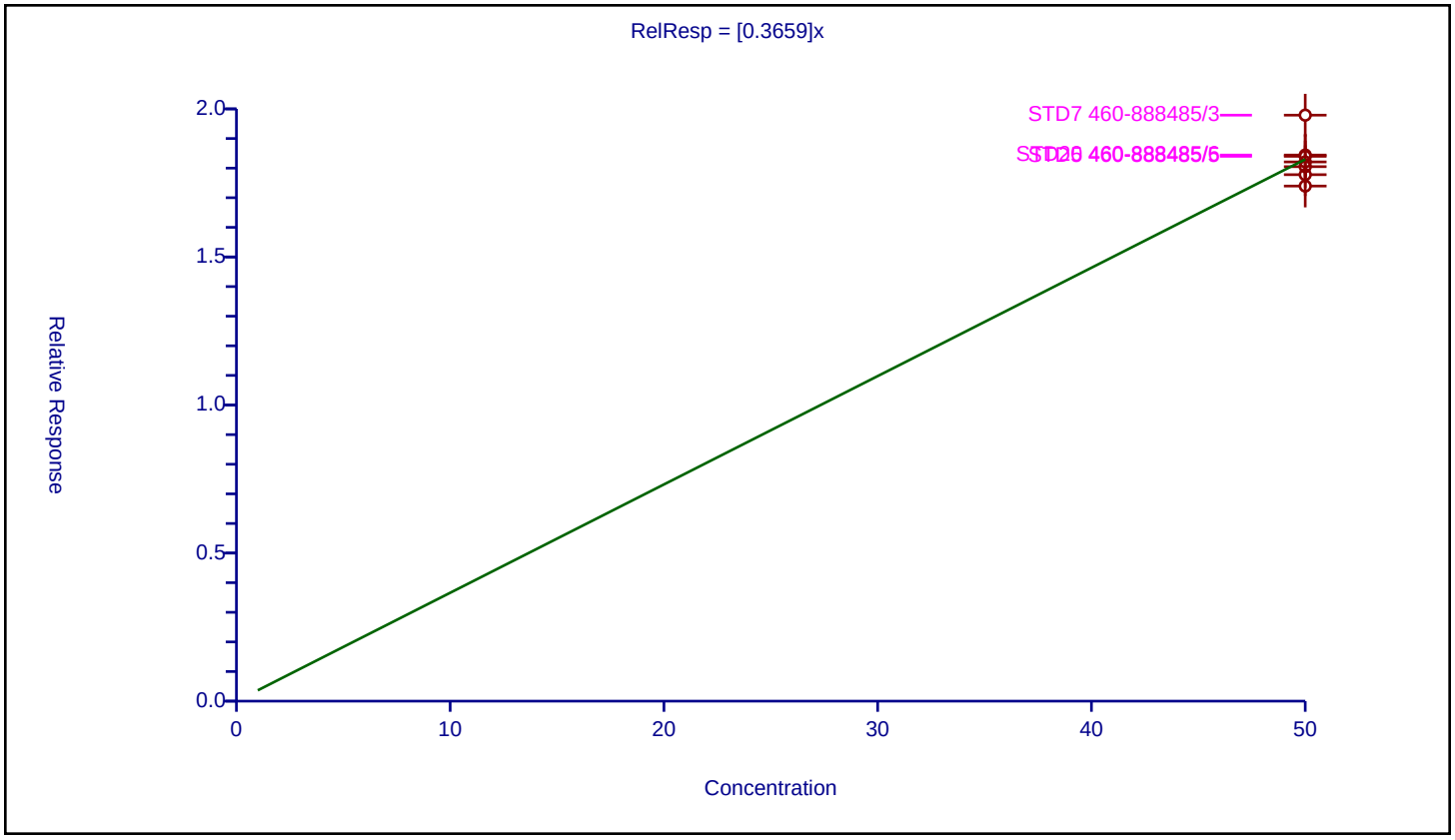
Curve Coefficients

Intercept:	0
Slope:	0.3659

Error Coefficients

Standard Error:	236000
Relative Standard Error:	4.1
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	50.0	19.788805	50.0	528612.0	0.395776	Y
2	STD1 460-888485/4	50.0	17.394439	50.0	599867.0	0.347889	Y
3	STD5 460-888485/5	50.0	18.399226	50.0	582943.0	0.367985	Y
4	STD20 460-888485/6	50.0	18.441052	50.0	570545.0	0.368821	Y
5	STD50 460-888485/7	50.0	18.049409	50.0	575559.0	0.360988	Y
6	STD500 460-888485/9	50.0	18.209596	50.0	668285.0	0.364192	Y
7	STD200 460-888485/11	50.0	17.778587	50.0	657811.0	0.355572	Y



Calibration / Isopropyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

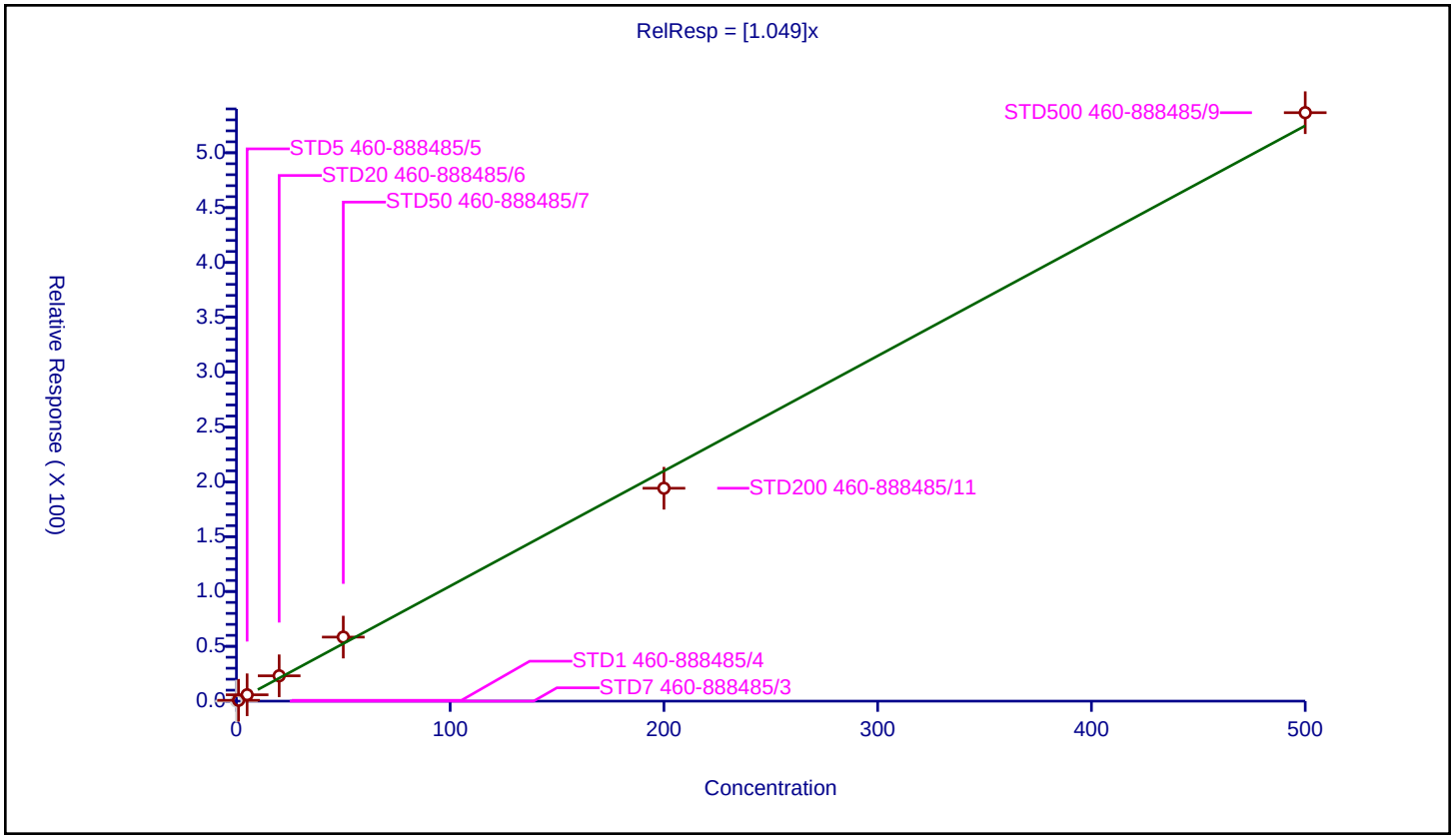
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Standard Error:	3420000
Relative Standard Error:	14.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.771588	50.0	599867.0	0.771588	Y
3	STD5 460-888485/5	5.0	5.788645	50.0	582943.0	1.157729	Y
4	STD20 460-888485/6	20.0	23.095637	50.0	570545.0	1.154782	Y
5	STD50 460-888485/7	50.0	58.402788	50.0	575559.0	1.168056	Y
6	STD200 460-888485/11	200.0	194.128405	50.0	657811.0	0.970642	Y
7	STD500 460-888485/9	500.0	536.545112	50.0	668285.0	1.07309	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

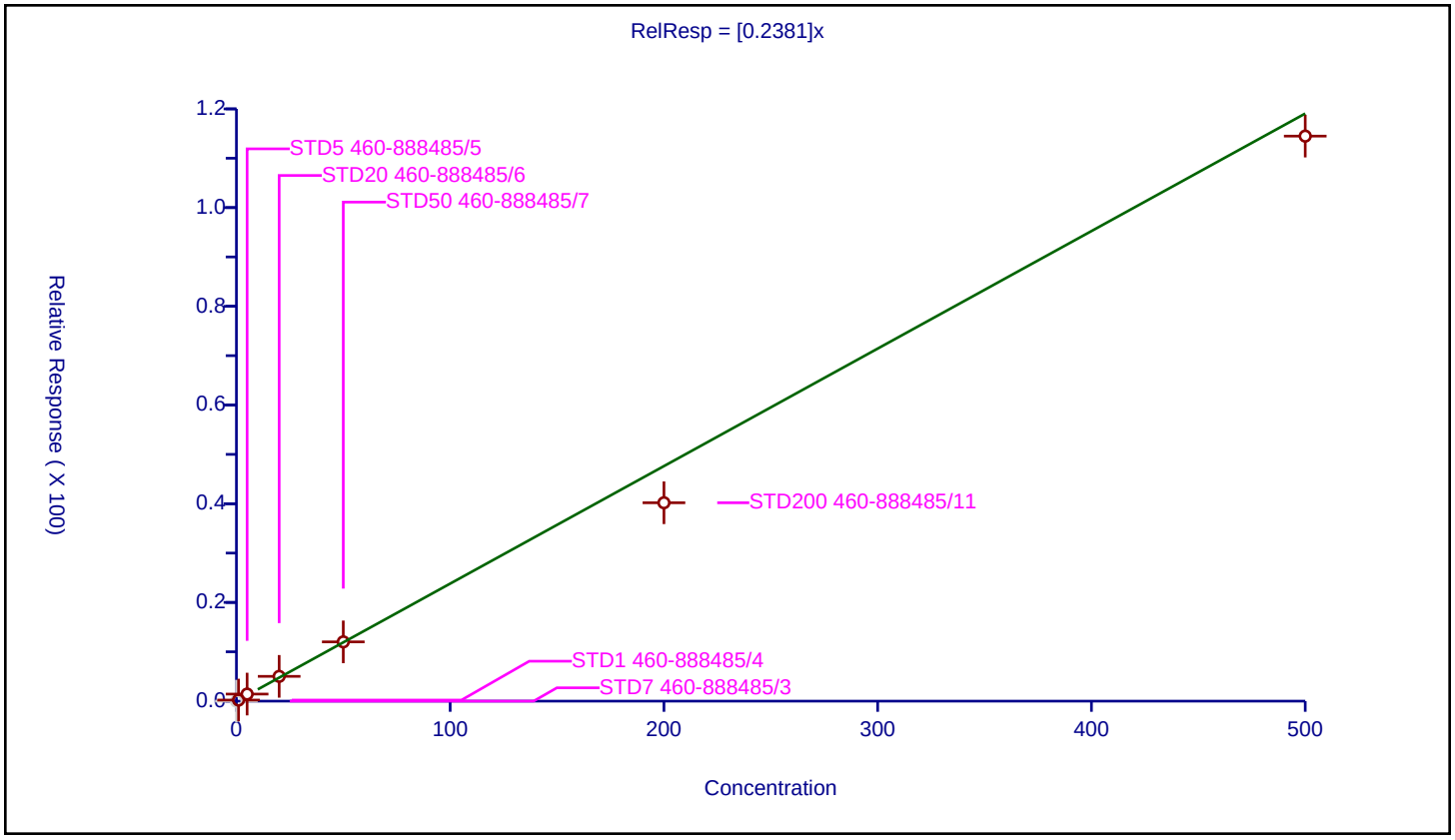
Curve Coefficients

Intercept:	0
Slope:	0.2381

Error Coefficients

Standard Error:	727000
Relative Standard Error:	12.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.221132	50.0	599867.0	0.221132	Y
3	STD5 460-888485/5	5.0	1.4311	50.0	582943.0	0.28622	Y
4	STD20 460-888485/6	20.0	5.022829	50.0	570545.0	0.251141	Y
5	STD50 460-888485/7	50.0	12.009716	50.0	575559.0	0.240194	Y
6	STD200 460-888485/11	200.0	40.196956	50.0	657811.0	0.200985	Y
7	STD500 460-888485/9	500.0	114.484763	50.0	668285.0	0.22897	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

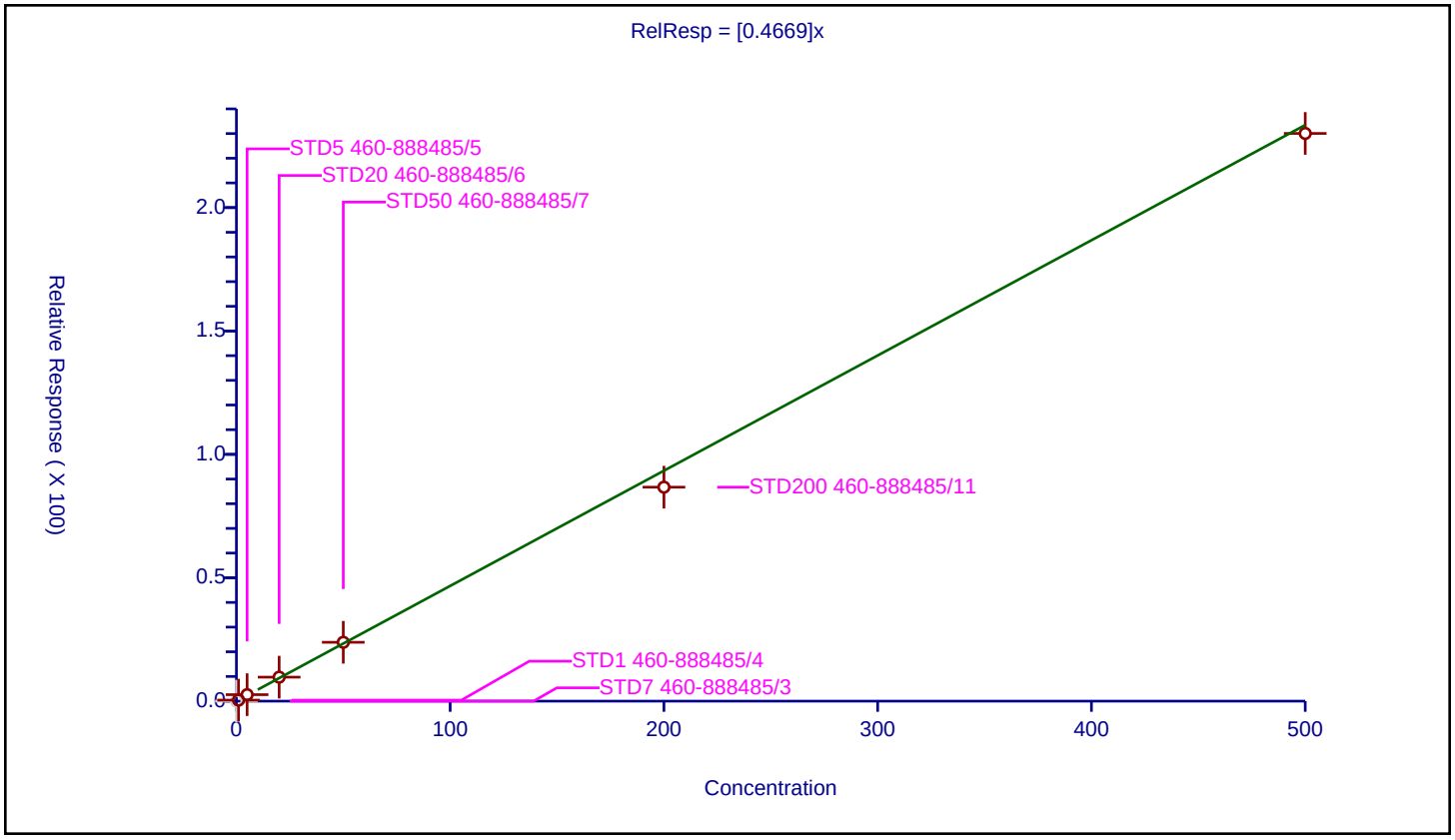
Curve Coefficients

Intercept:	0
Slope:	0.4669

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.420176	50.0	599867.0	0.420176	Y
3	STD5 460-888485/5	5.0	2.623241	50.0	582943.0	0.524648	Y
4	STD20 460-888485/6	20.0	9.724123	50.0	570545.0	0.486206	Y
5	STD50 460-888485/7	50.0	23.842039	50.0	575559.0	0.476841	Y
6	STD200 460-888485/11	200.0	86.707504	50.0	657811.0	0.433538	Y
7	STD500 460-888485/9	500.0	230.043694	50.0	668285.0	0.460087	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

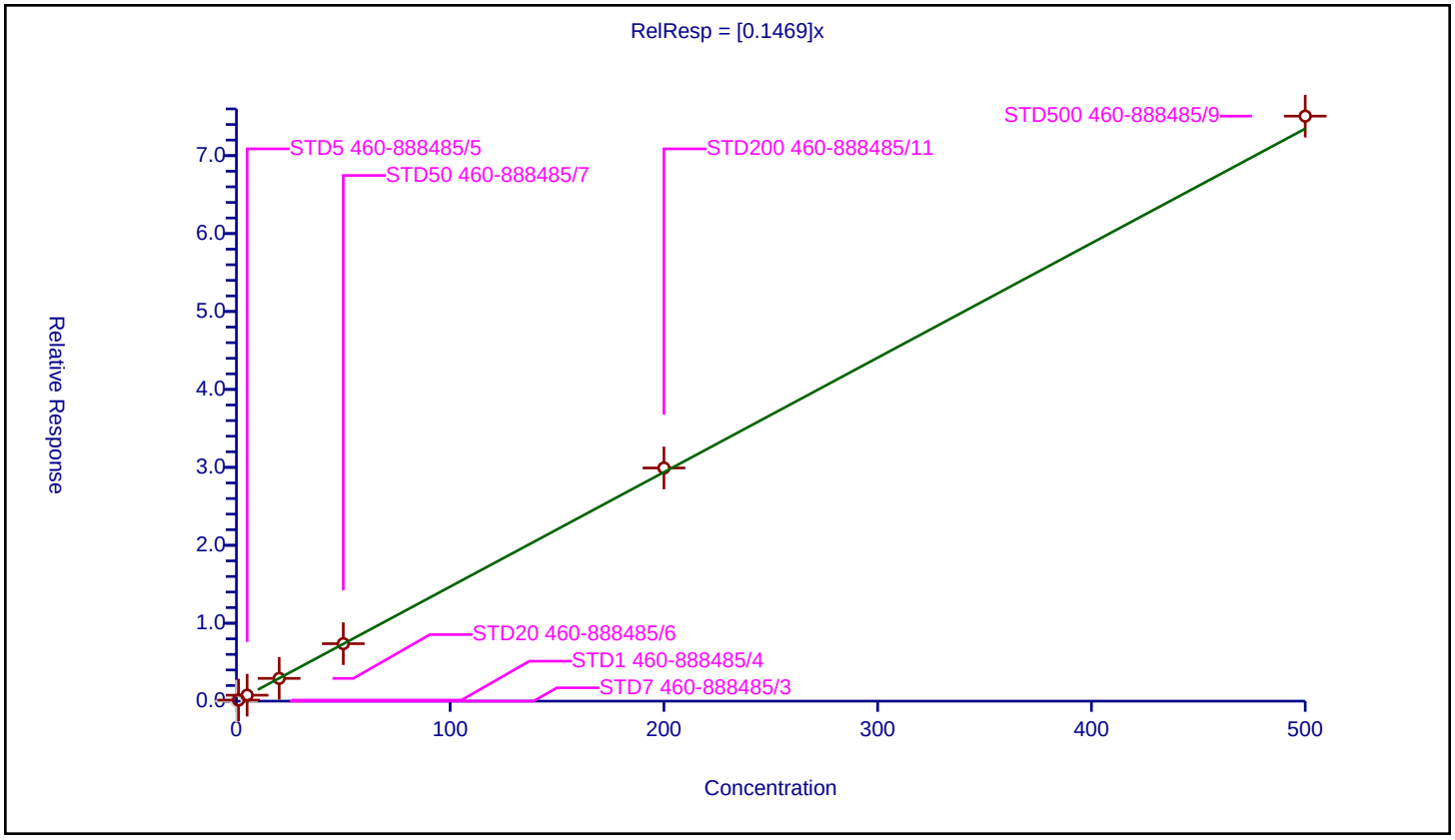
Curve Coefficients

Intercept:	0
Slope:	0.1469

Error Coefficients

Standard Error:	484000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.13553	50.0	599867.0	0.13553	Y
3	STD5 460-888485/5	5.0	0.763797	50.0	582943.0	0.152759	Y
4	STD20 460-888485/6	20.0	2.919752	50.0	570545.0	0.145988	Y
5	STD50 460-888485/7	50.0	7.372224	50.0	575559.0	0.147444	Y
6	STD200 460-888485/11	200.0	29.919612	50.0	657811.0	0.149598	Y
7	STD500 460-888485/9	500.0	75.074781	50.0	668285.0	0.15015	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

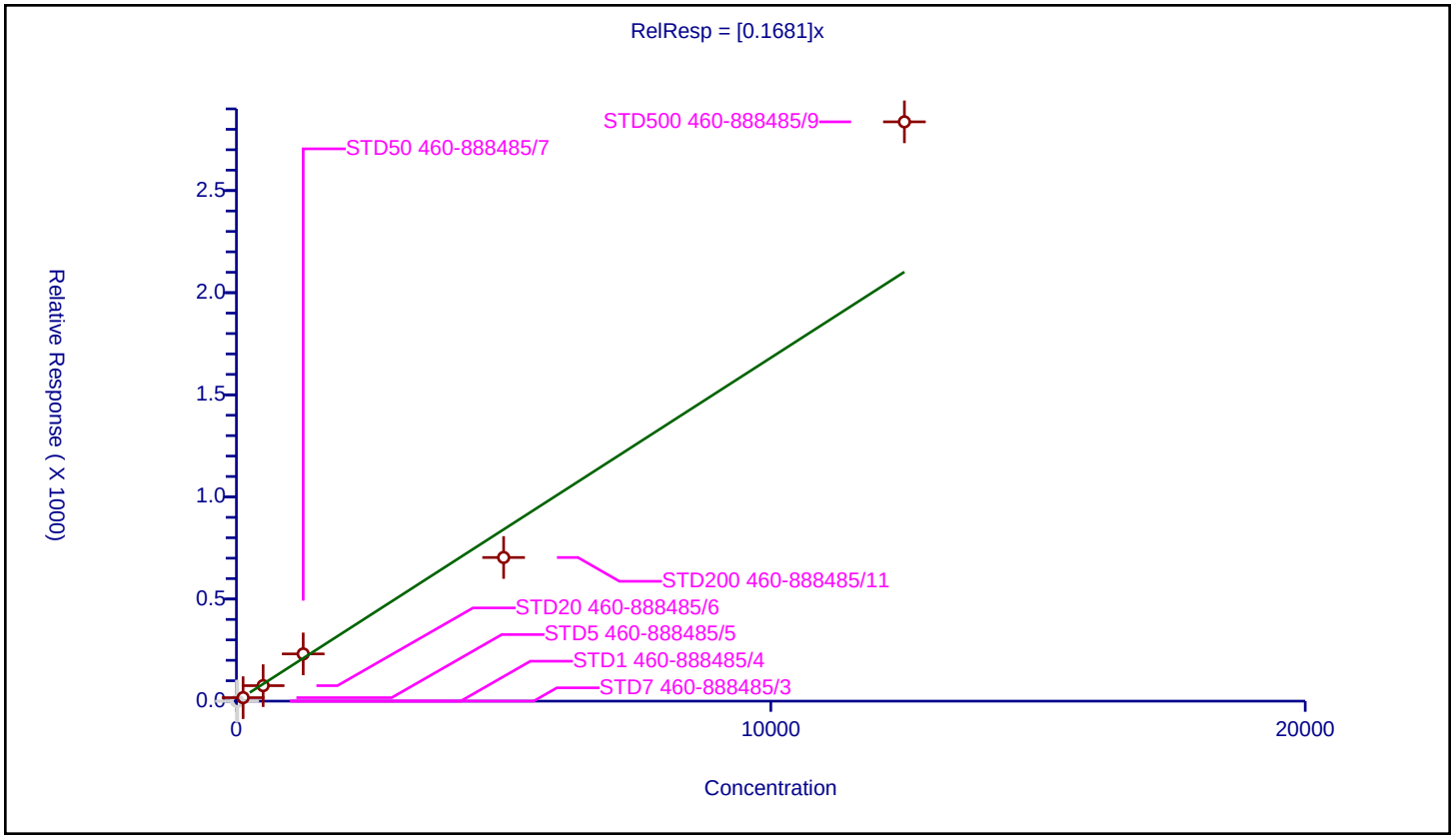
Curve Coefficients

Intercept:	0
Slope:	0.1681

Error Coefficients

Standard Error:	440000
Relative Standard Error:	22.6
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.948

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	25.0	0.0	1000.0	262282.0	0.0	N
3	STD5 460-888485/5	125.0	17.036072	1000.0	257982.0	0.136289	Y
4	STD20 460-888485/6	500.0	75.851129	1000.0	269818.0	0.151702	Y
5	STD50 460-888485/7	1250.0	231.344759	1000.0	283218.0	0.185076	Y
6	STD200 460-888485/11	5000.0	703.397545	1000.0	299893.0	0.14068	Y
7	STD500 460-888485/9	12500.0	2836.674569	1000.0	300737.0	0.226934	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

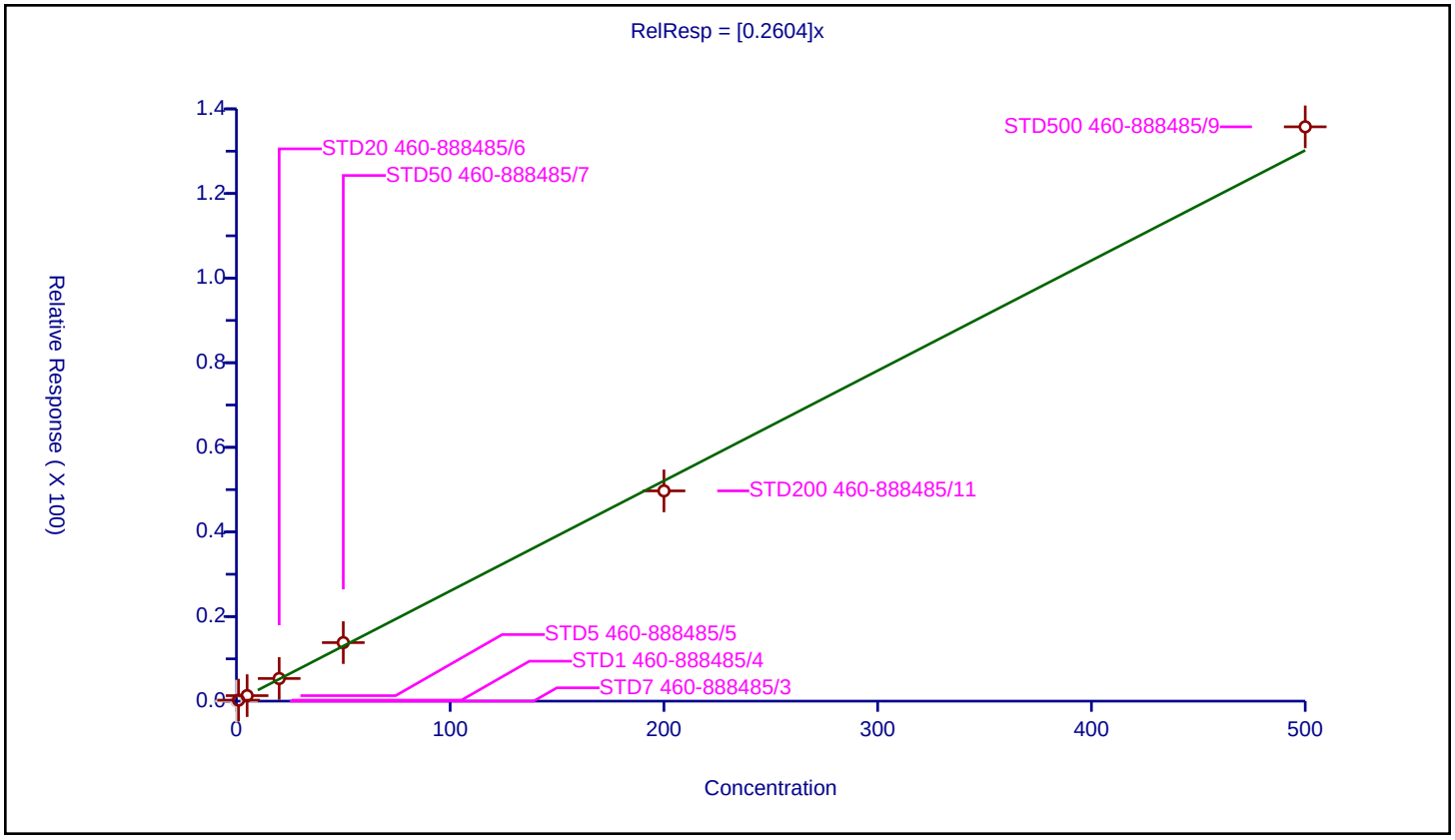
Curve Coefficients

Intercept:	0
Slope:	0.2604

Error Coefficients

Standard Error:	866000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.237886	50.0	599867.0	0.237886	Y
3	STD5 460-888485/5	5.0	1.301156	50.0	582943.0	0.260231	Y
4	STD20 460-888485/6	20.0	5.351462	50.0	570545.0	0.267573	Y
5	STD50 460-888485/7	50.0	13.835245	50.0	575559.0	0.276705	Y
6	STD200 460-888485/11	200.0	49.705006	50.0	657811.0	0.248525	Y
7	STD500 460-888485/9	500.0	135.760417	50.0	668285.0	0.271521	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

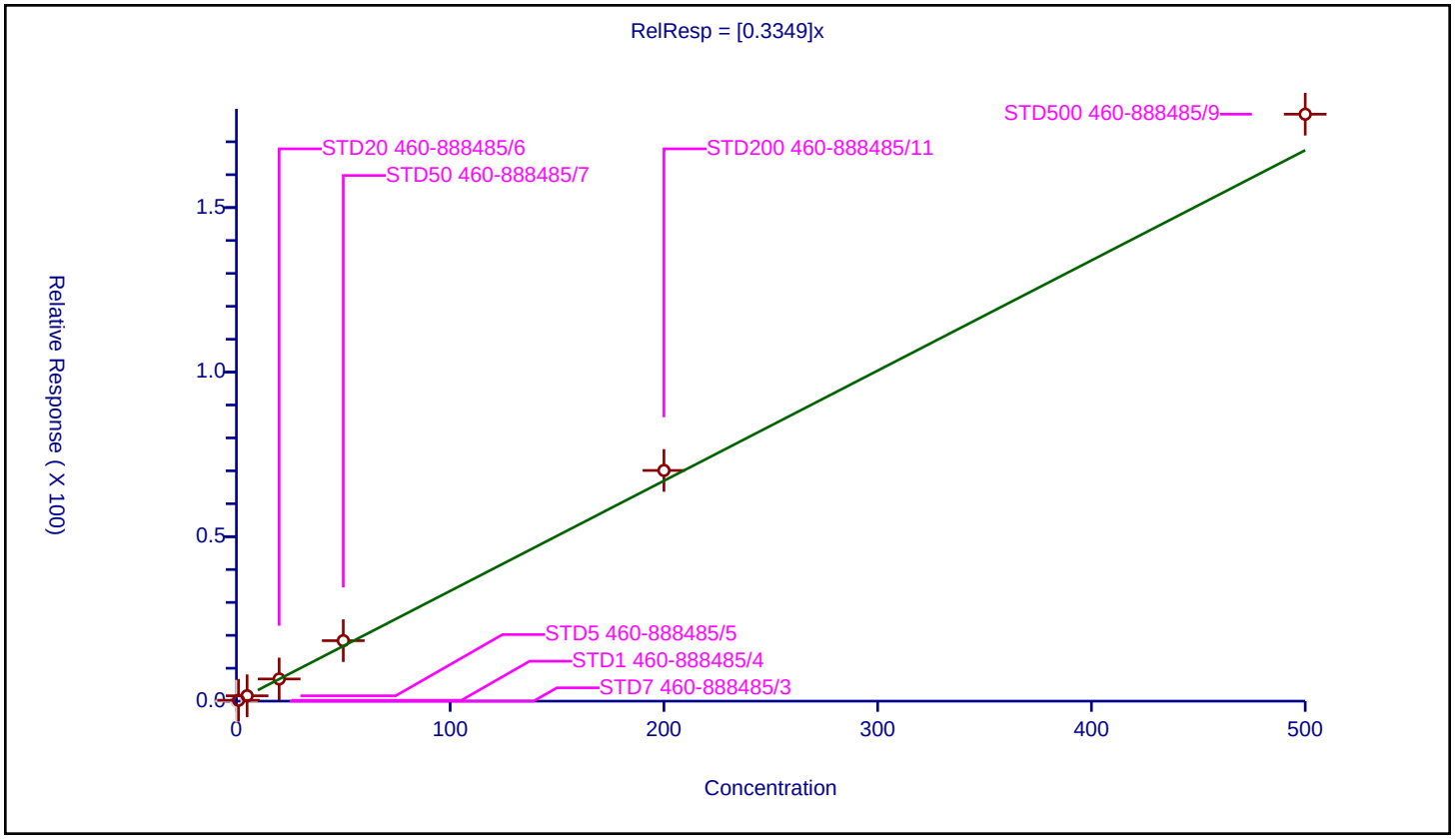
Curve Coefficients

Intercept:	0
Slope:	0.3349

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.271894	50.0	599867.0	0.271894	Y
3	STD5 460-888485/5	5.0	1.627089	50.0	582943.0	0.325418	Y
4	STD20 460-888485/6	20.0	6.737067	50.0	570545.0	0.336853	Y
5	STD50 460-888485/7	50.0	18.382651	50.0	575559.0	0.367653	Y
6	STD200 460-888485/11	200.0	70.113756	50.0	657811.0	0.350569	Y
7	STD500 460-888485/9	500.0	178.378162	50.0	668285.0	0.356756	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

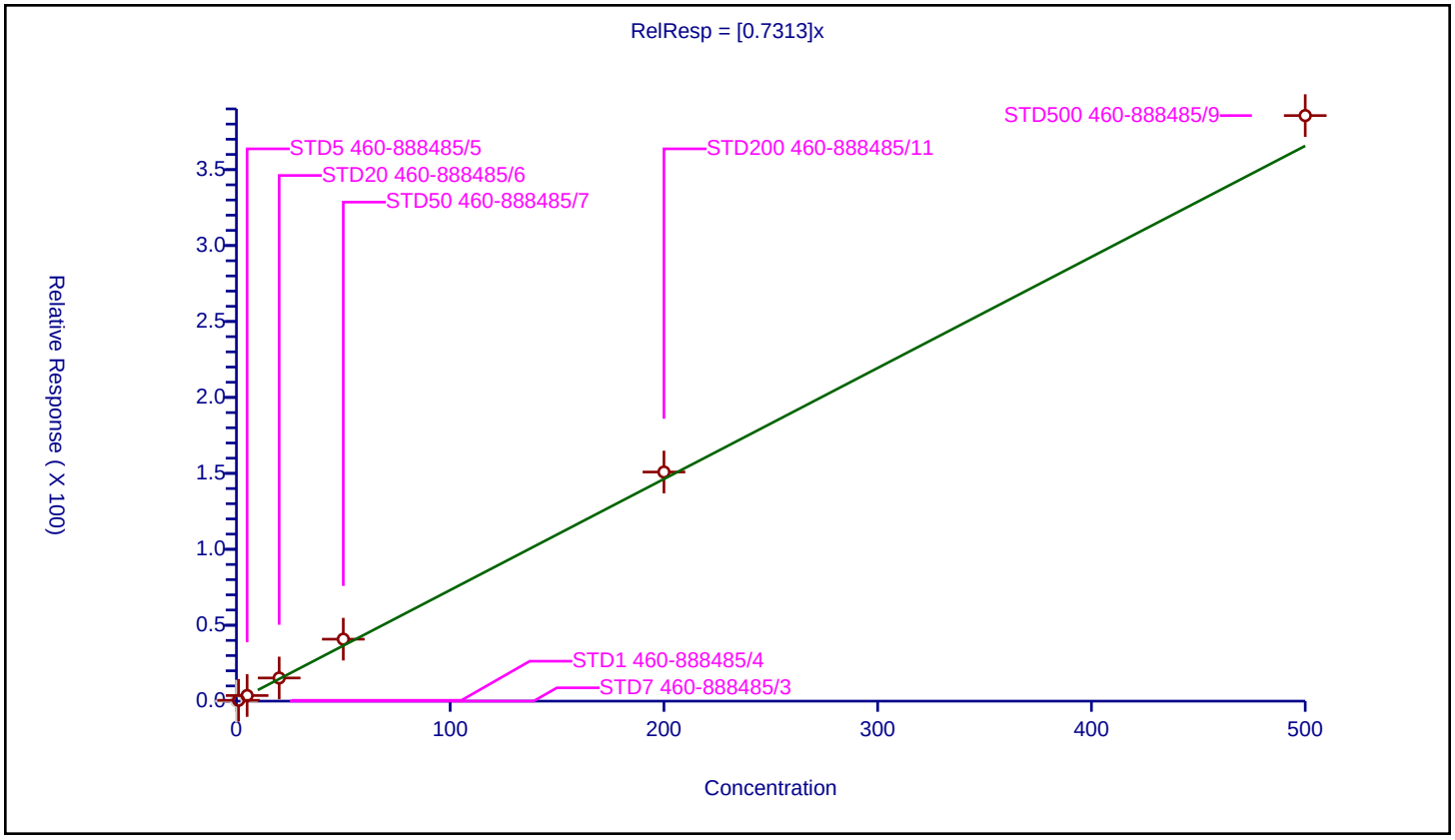
Curve Coefficients

Intercept:	0
Slope:	0.7313

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	12.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.546871	50.0	599867.0	0.546871	Y
3	STD5 460-888485/5	5.0	3.684237	50.0	582943.0	0.736847	Y
4	STD20 460-888485/6	20.0	15.249104	50.0	570545.0	0.762455	Y
5	STD50 460-888485/7	50.0	40.797468	50.0	575559.0	0.815949	Y
6	STD200 460-888485/11	200.0	150.878596	50.0	657811.0	0.754393	Y
7	STD500 460-888485/9	500.0	385.591402	50.0	668285.0	0.771183	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

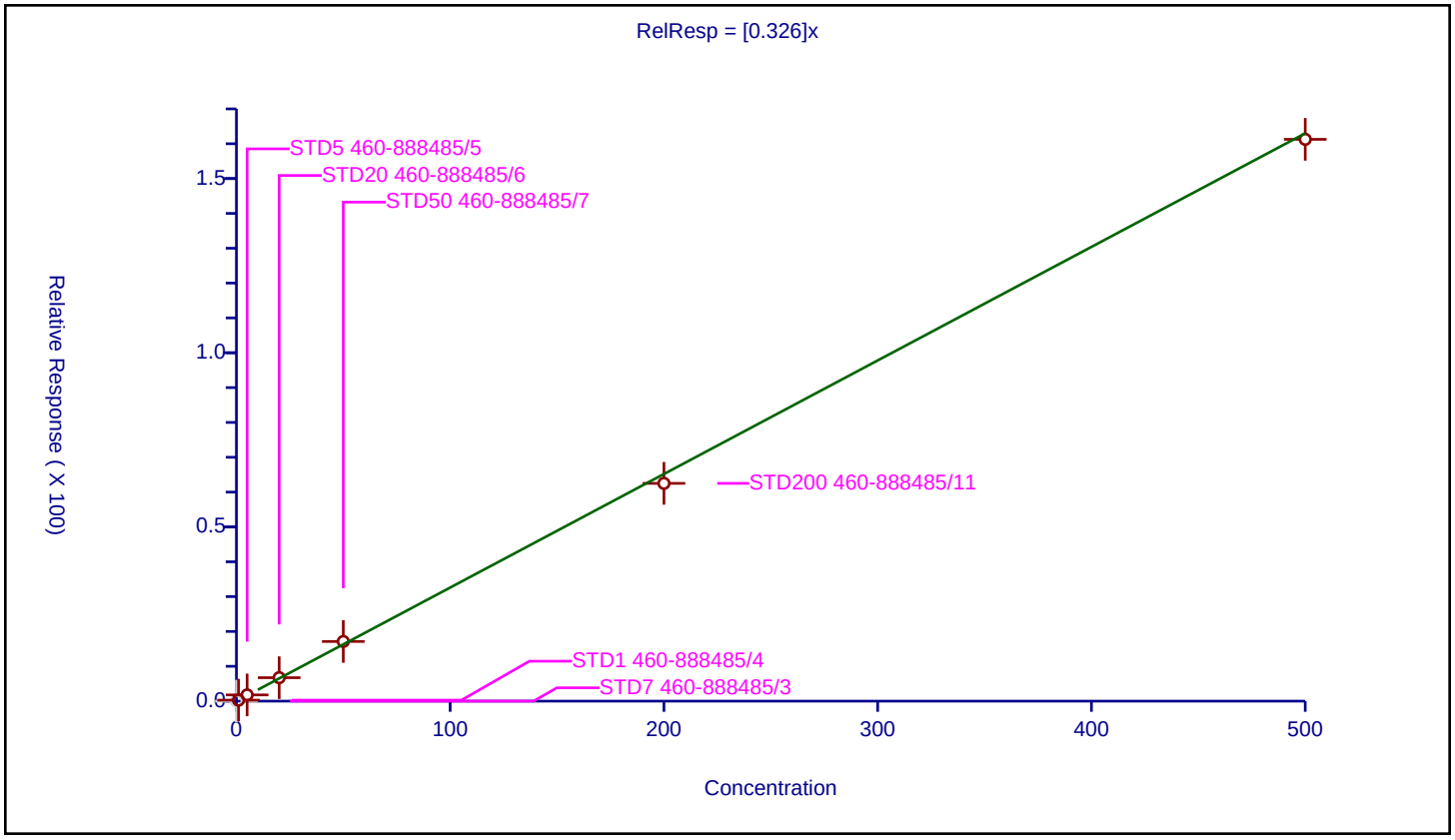
Curve Coefficients

Intercept:	0
Slope:	0.326

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.28423	50.0	599867.0	0.28423	Y
3	STD5 460-888485/5	5.0	1.786195	50.0	582943.0	0.357239	Y
4	STD20 460-888485/6	20.0	6.734701	50.0	570545.0	0.336735	Y
5	STD50 460-888485/7	50.0	17.126394	50.0	575559.0	0.342528	Y
6	STD200 460-888485/11	200.0	62.508988	50.0	657811.0	0.312545	Y
7	STD500 460-888485/9	500.0	161.258295	50.0	668285.0	0.322517	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

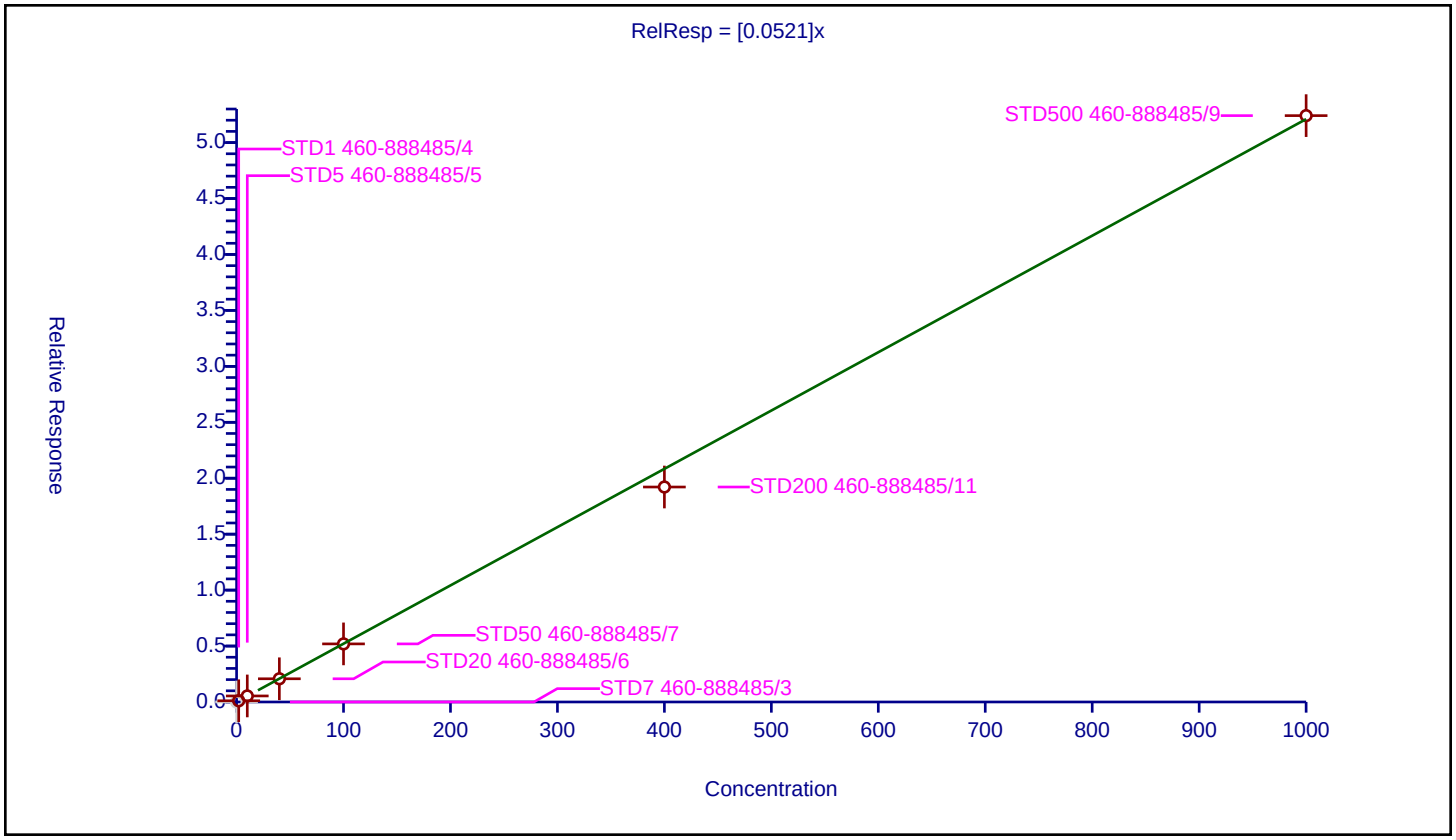
Curve Coefficients

Intercept:	0
Slope:	0.0521

Error Coefficients

Standard Error:	334000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	2.0	0.108857	50.0	599867.0	0.054429	Y
3	STD5 460-888485/5	10.0	0.539418	50.0	582943.0	0.053942	Y
4	STD20 460-888485/6	40.0	2.073894	50.0	570545.0	0.051847	Y
5	STD50 460-888485/7	100.0	5.191475	50.0	575559.0	0.051915	Y
6	STD200 460-888485/11	400.0	19.215094	50.0	657811.0	0.048038	Y
7	STD500 460-888485/9	1000.0	52.40773	50.0	668285.0	0.052408	Y



Calibration / 1,4-Dioxane

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

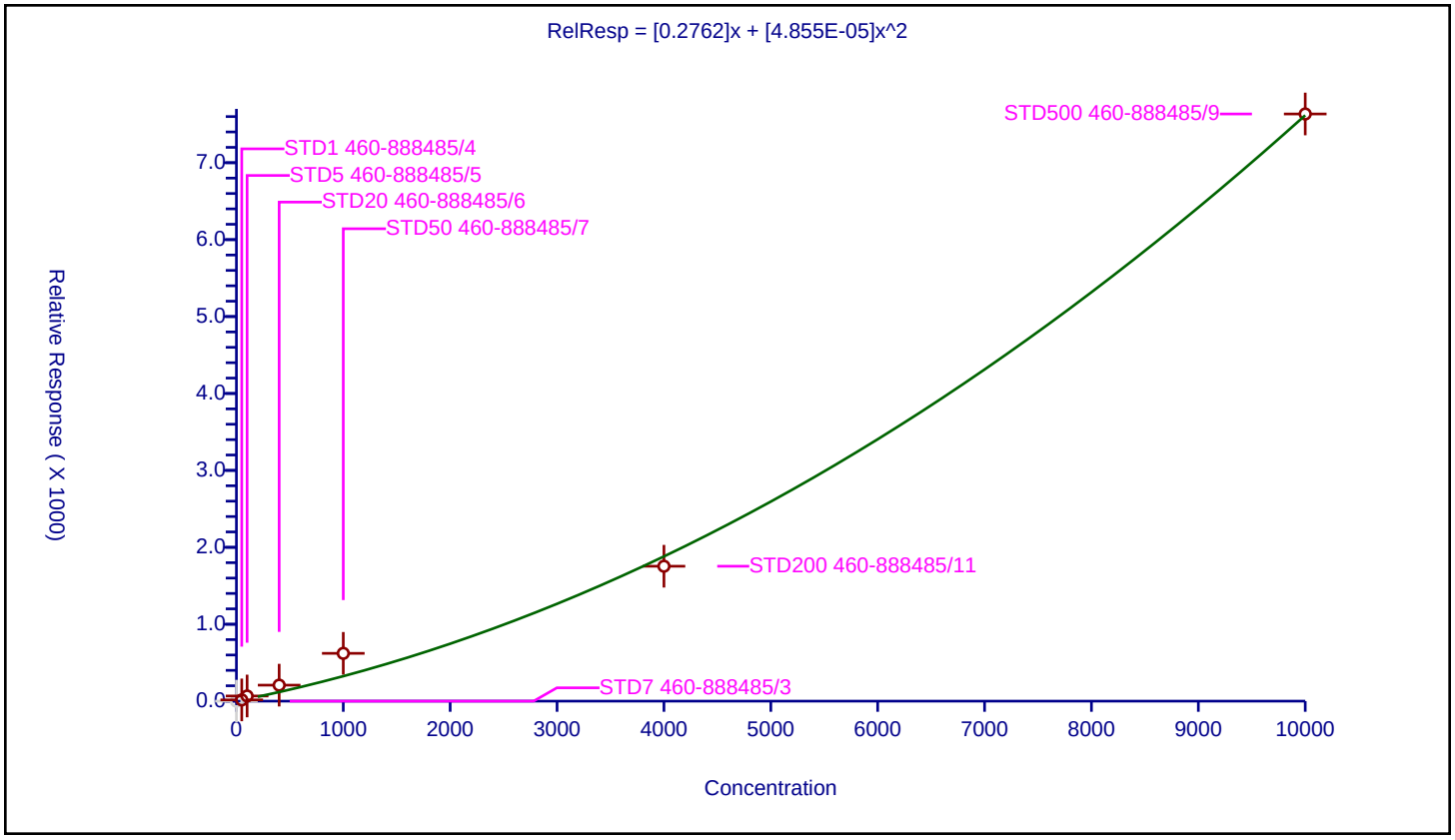
Curve Coefficients

Intercept:	0
Slope:	0.2762
Second Order:	4.855E-05

Error Coefficients

Standard Error:	112000
Relative Standard Error:	83.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	21265.0	NaN	N
2	STD1 460-888485/4	50.000062	16.097561	1000.0	28700.0	0.321951	Y
3	STD5 460-888485/5	100.0	66.953714	1000.0	27870.0	0.669537	Y
4	STD20 460-888485/6	400.0	207.930999	1000.0	29101.0	0.519827	Y
5	STD50 460-888485/7	1000.0	621.452606	1000.0	31502.0	0.621453	Y
6	STD200 460-888485/11	4000.0	1754.160014	1000.0	28185.0	0.43854	Y
7	STD500 460-888485/9	10000.0	7633.882193	1000.0	29455.0	0.763388	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

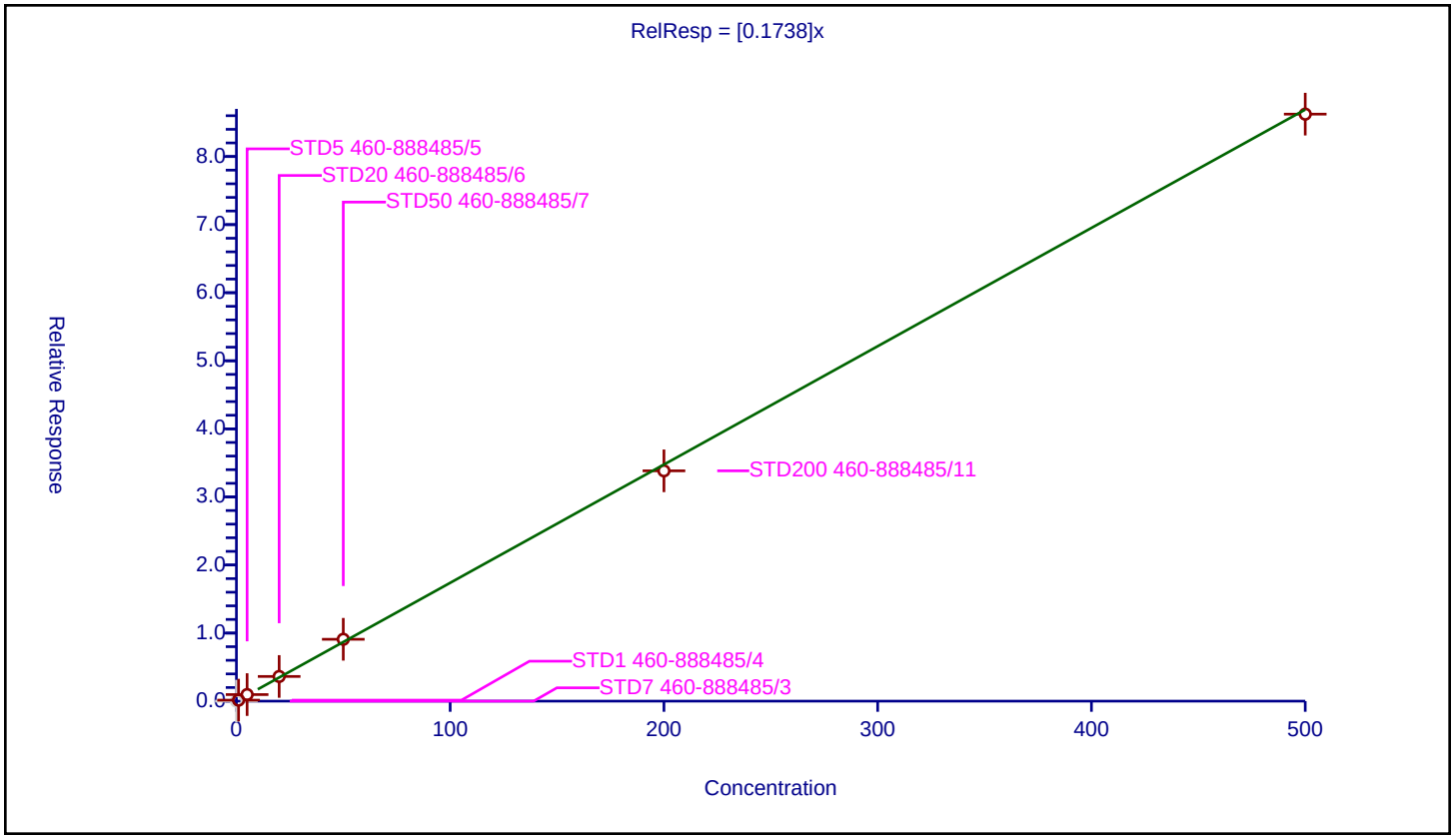
Curve Coefficients

Intercept:	0
Slope:	0.1738

Error Coefficients

Standard Error:	555000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.144865	50.0	599867.0	0.144865	Y
3	STD5 460-888485/5	5.0	0.966218	50.0	582943.0	0.193244	Y
4	STD20 460-888485/6	20.0	3.625481	50.0	570545.0	0.181274	Y
5	STD50 460-888485/7	50.0	9.085949	50.0	575559.0	0.181719	Y
6	STD200 460-888485/11	200.0	33.832742	50.0	657811.0	0.169164	Y
7	STD500 460-888485/9	500.0	86.230875	50.0	668285.0	0.172462	Y



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Calibration / n-Propyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

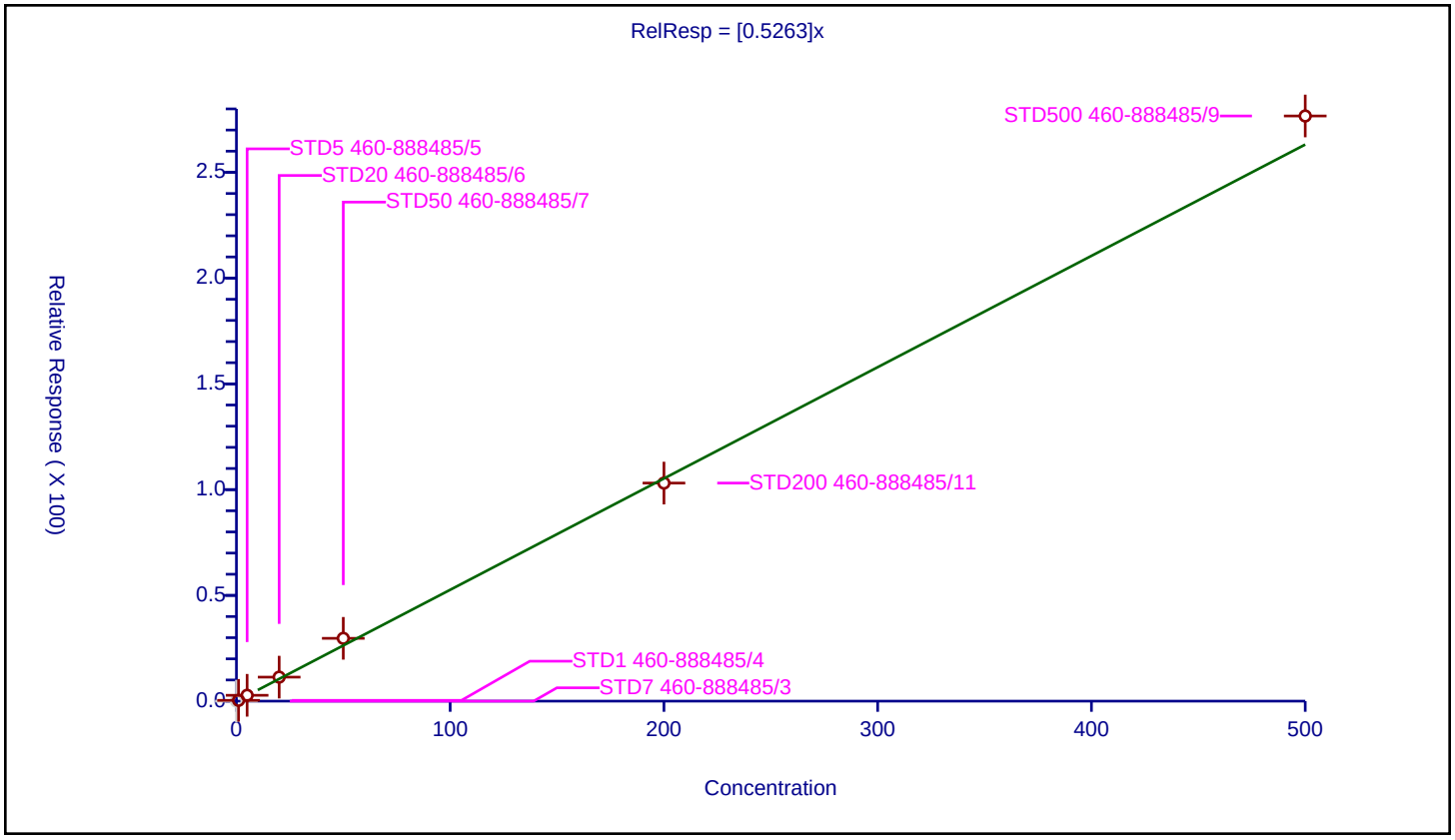
Curve Coefficients

Intercept:	0
Slope:	0.5263

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	14.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.37575	50.0	599867.0	0.37575	Y
3	STD5 460-888485/5	5.0	2.75876	50.0	582943.0	0.551752	Y
4	STD20 460-888485/6	20.0	11.349674	50.0	570545.0	0.567484	Y
5	STD50 460-888485/7	50.0	29.698519	50.0	575559.0	0.59397	Y
6	STD200 460-888485/11	200.0	103.089945	50.0	657811.0	0.51545	Y
7	STD500 460-888485/9	500.0	276.645742	50.0	668285.0	0.553291	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

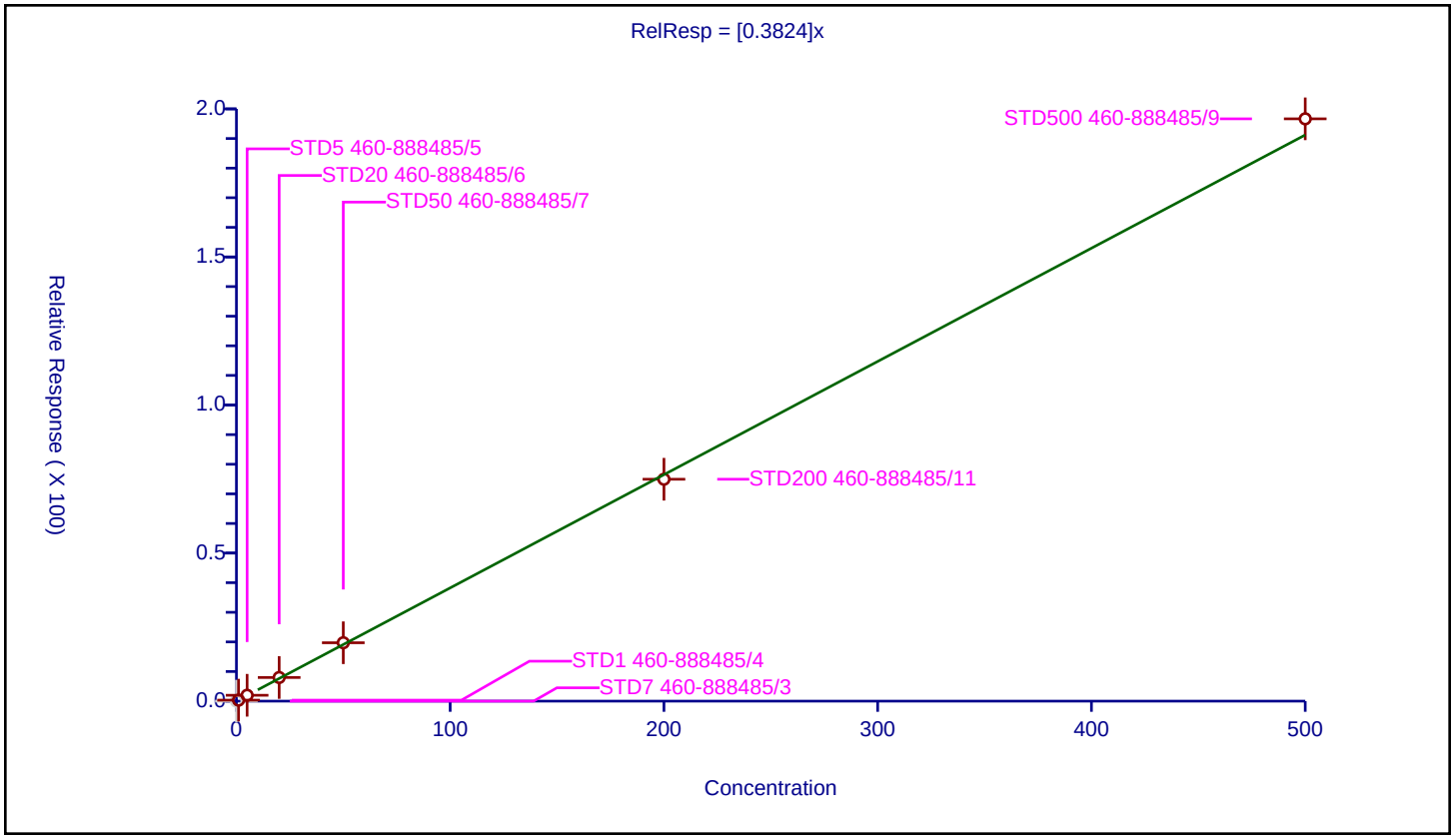
Curve Coefficients

Intercept:	0
Slope:	0.3824

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.335241	50.0	599867.0	0.335241	Y
3	STD5 460-888485/5	5.0	1.986729	50.0	582943.0	0.397346	Y
4	STD20 460-888485/6	20.0	7.986662	50.0	570545.0	0.399333	Y
5	STD50 460-888485/7	50.0	19.721957	50.0	575559.0	0.394439	Y
6	STD200 460-888485/11	200.0	74.938546	50.0	657811.0	0.374693	Y
7	STD500 460-888485/9	500.0	196.644321	50.0	668285.0	0.393289	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

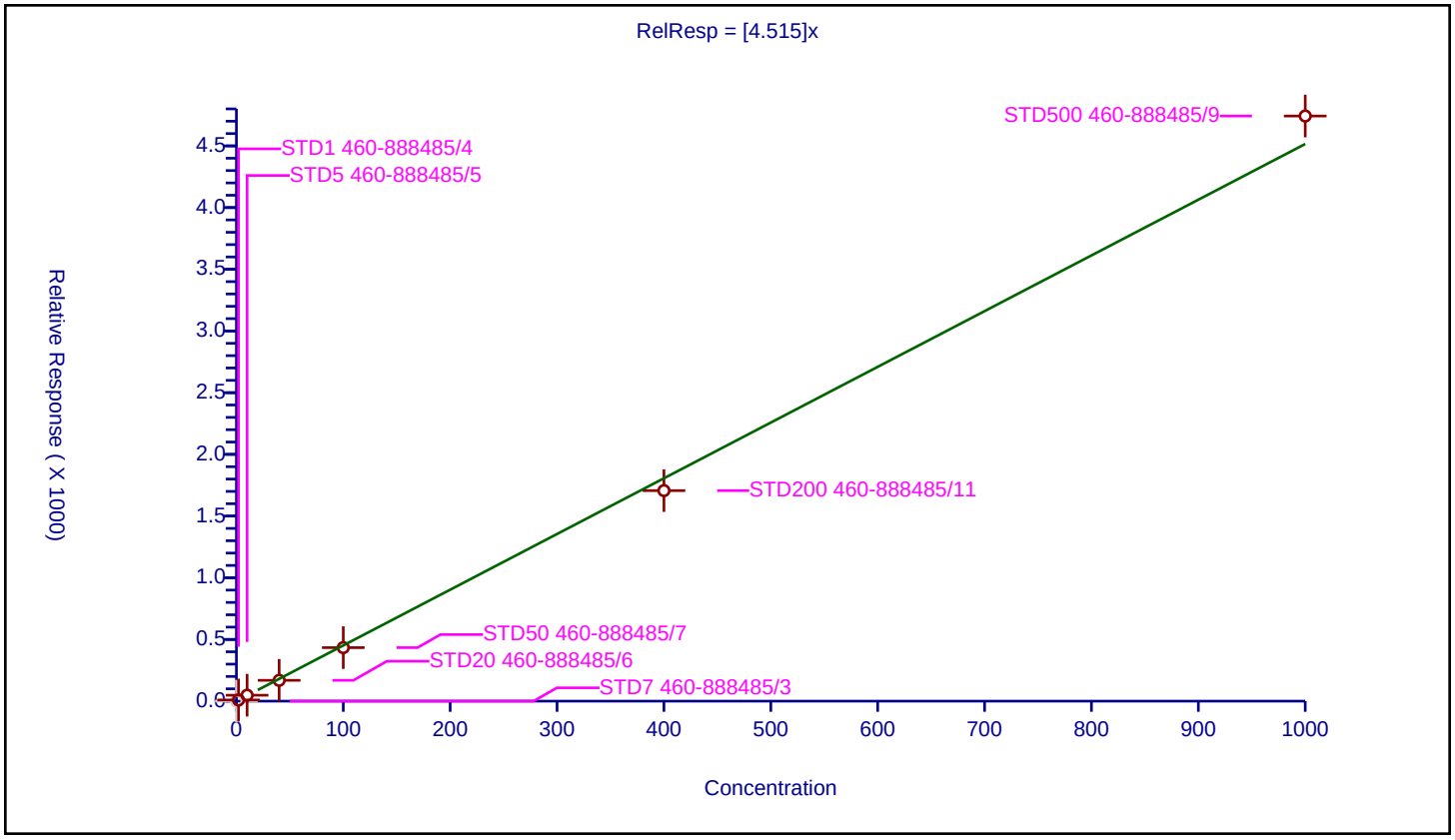
Curve Coefficients

Intercept:	0
Slope:	4.515

Error Coefficients

Standard Error:	678000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	1000.0	266608.0	NaN	N
2	STD1 460-888485/4	2.0	9.444034	1000.0	262282.0	4.722017	Y
3	STD5 460-888485/5	10.0	48.065369	1000.0	257982.0	4.806537	Y
4	STD20 460-888485/6	40.0	168.769319	1000.0	269818.0	4.219233	Y
5	STD50 460-888485/7	100.0	433.676532	1000.0	283218.0	4.336765	Y
6	STD200 460-888485/11	400.0	1706.285242	1000.0	299893.0	4.265713	Y
7	STD500 460-888485/9	1000.0	4742.123517	1000.0	300737.0	4.742124	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

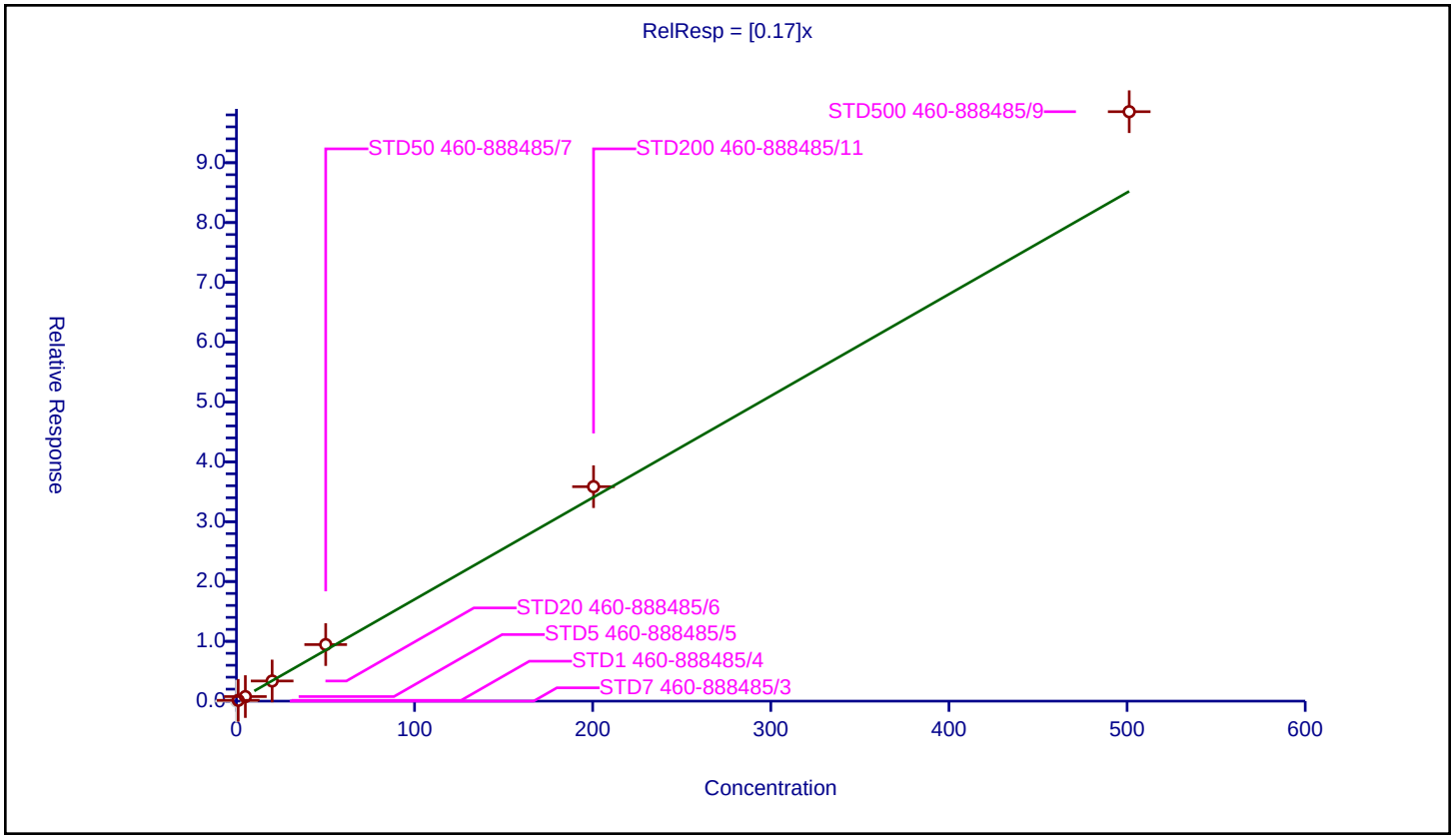
Curve Coefficients

Intercept:	0
Slope:	0.17

Error Coefficients

Standard Error:	628000
Relative Standard Error:	13.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0024	0.136697	50.0	599867.0	0.13637	Y
3	STD5 460-888485/5	5.012	0.761567	50.0	582943.0	0.151949	Y
4	STD20 460-888485/6	20.048	3.365817	50.0	570545.0	0.167888	Y
5	STD50 460-888485/7	50.12	9.453853	50.0	575559.0	0.188624	Y
6	STD200 460-888485/11	200.48	35.851863	50.0	657811.0	0.17883	Y
7	STD500 460-888485/9	501.2	98.532961	50.0	668285.0	0.196594	Y



Calibration / Epichlorohydrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

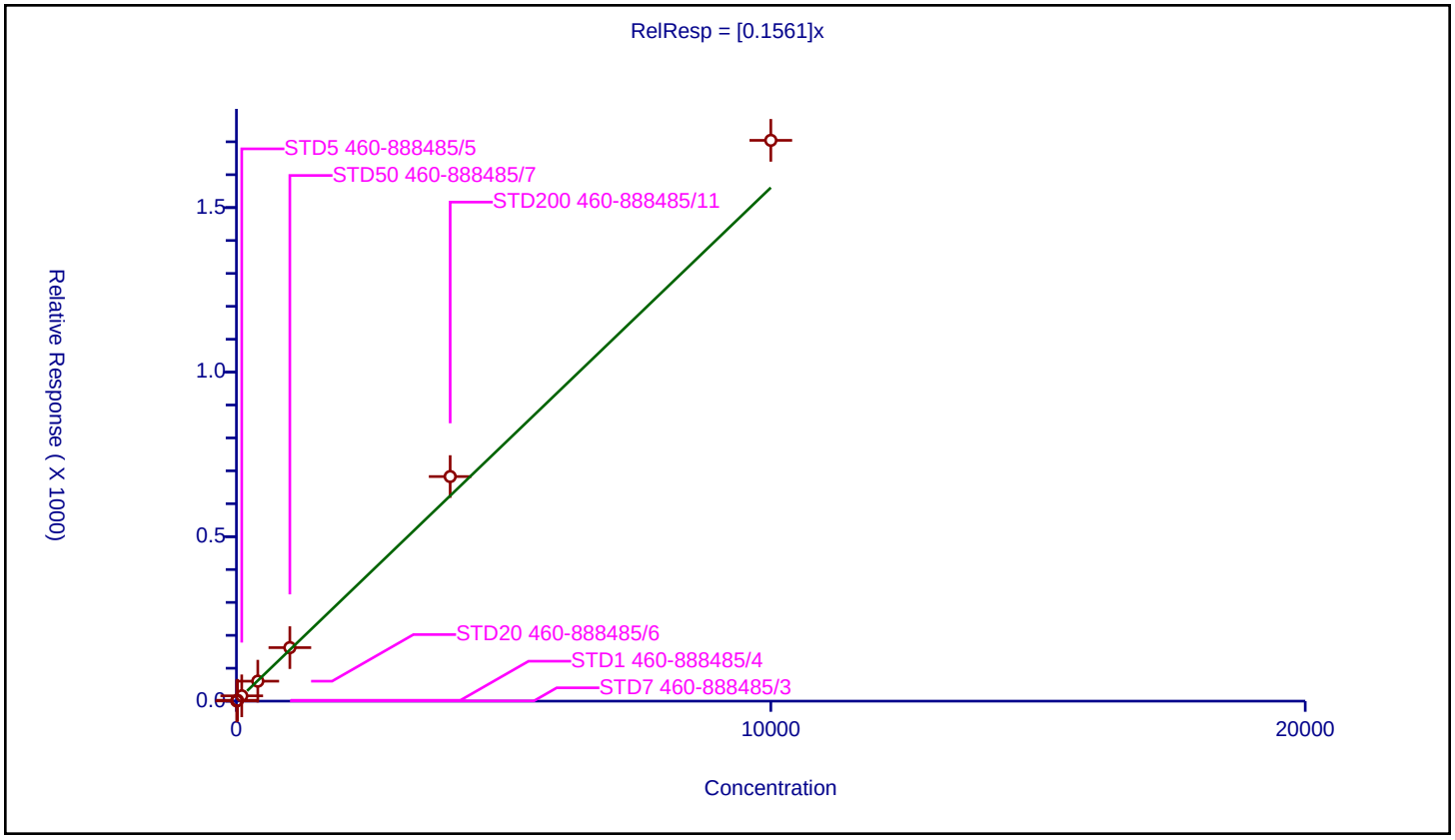
Curve Coefficients

Intercept:	0
Slope:	0.1561

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	9.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	5.000009	0.712686	250.0	429011.0	0.142537	Y
2	STD1 460-888485/4	20.000035	2.668194	250.0	438780.0	0.133409	Y
3	STD5 460-888485/5	100.000173	16.119957	250.0	436338.0	0.161199	Y
4	STD20 460-888485/6	400.000692	60.635577	250.0	473035.0	0.151589	Y
5	STD50 460-888485/7	1000.00173	162.698497	250.0	468268.0	0.162698	Y
6	STD200 460-888485/11	4000.00692	682.587003	250.0	453262.0	0.170646	Y
7	STD500 460-888485/9	10000.0173	1704.375289	250.0	489362.0	0.170437	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

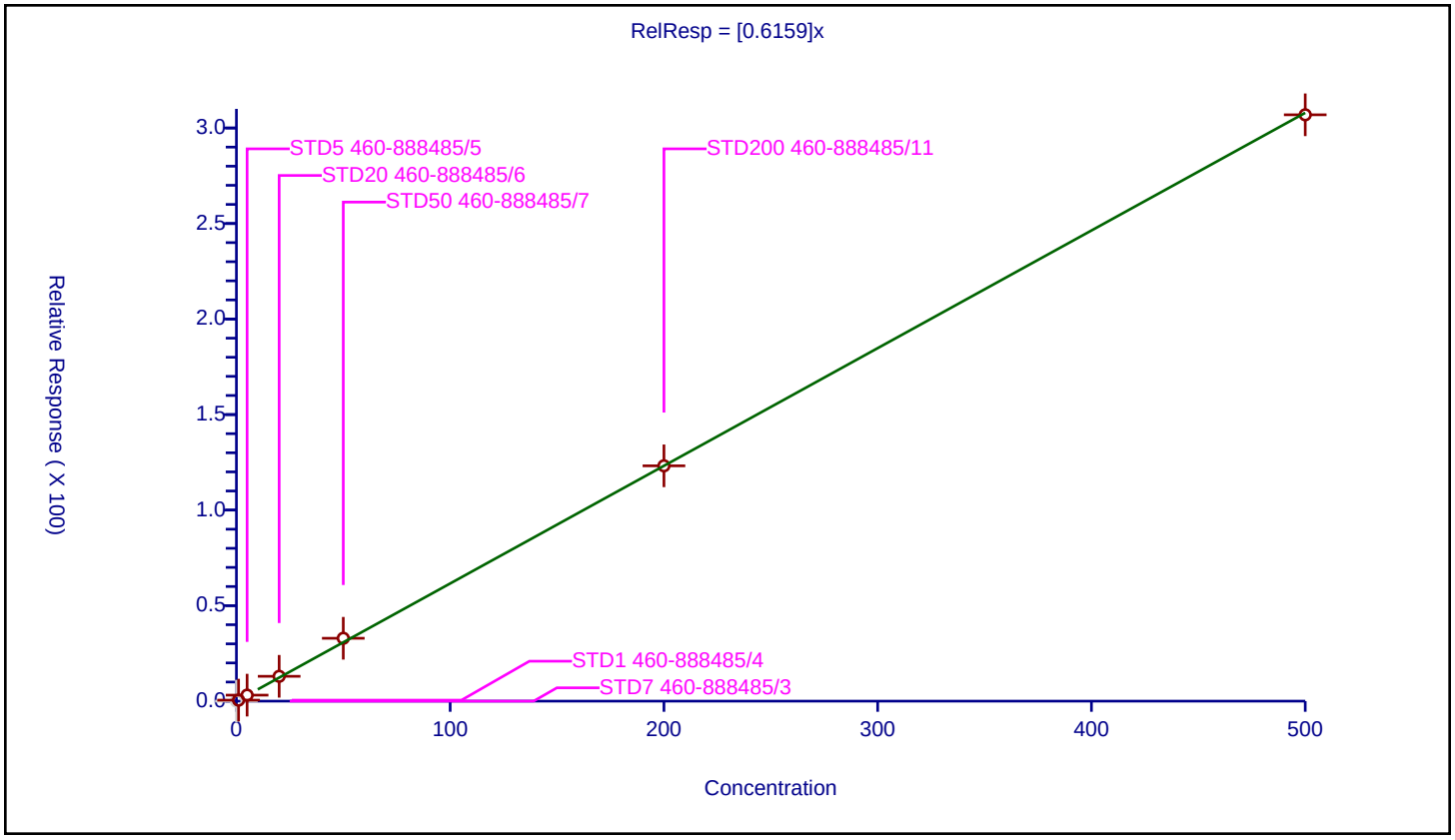
Curve Coefficients

Intercept:	0
Slope:	0.6159

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.527773	50.0	434941.0	0.527773	Y
3	STD5 460-888485/5	5.0	3.147113	50.0	419432.0	0.629423	Y
4	STD20 460-888485/6	20.0	13.00154	50.0	412305.0	0.650077	Y
5	STD50 460-888485/7	50.0	32.912351	50.0	418624.0	0.658247	Y
6	STD200 460-888485/11	200.0	123.178077	50.0	495891.0	0.61589	Y
7	STD500 460-888485/9	500.0	306.901632	50.0	523014.0	0.613803	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

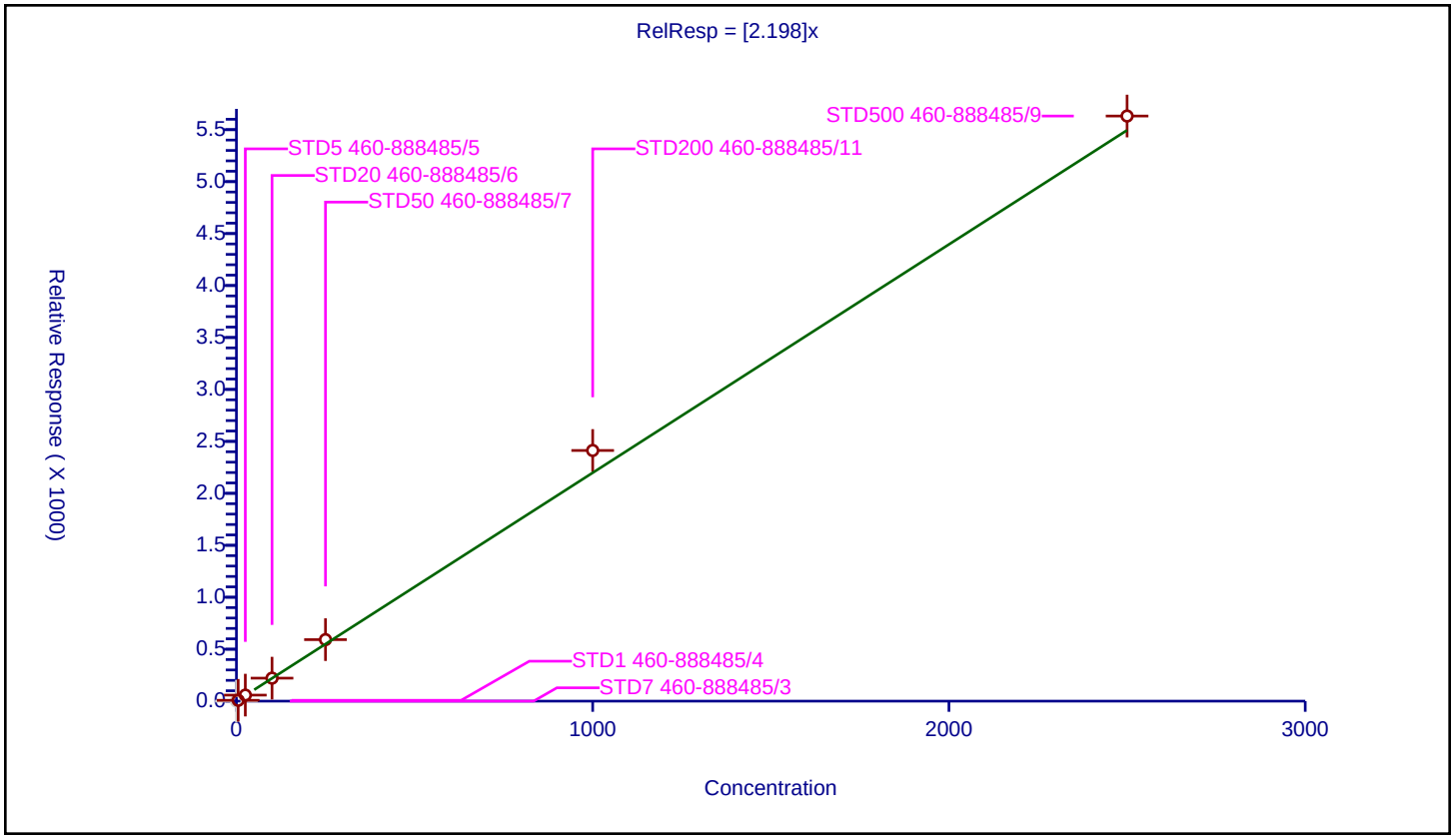
Curve Coefficients

Intercept:	0
Slope:	2.198

Error Coefficients

Standard Error:	5330000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	5.0	8.112836	250.0	438780.0	1.622567	Y
3	STD5 460-888485/5	25.0	57.963666	250.0	436338.0	2.318547	Y
4	STD20 460-888485/6	100.0	221.302335	250.0	473035.0	2.213023	Y
5	STD50 460-888485/7	250.0	591.936669	250.0	468268.0	2.367747	Y
6	STD200 460-888485/11	1000.0	2412.48053	250.0	453262.0	2.412481	Y
7	STD500 460-888485/9	2500.0	5631.380246	250.0	489362.0	2.252552	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

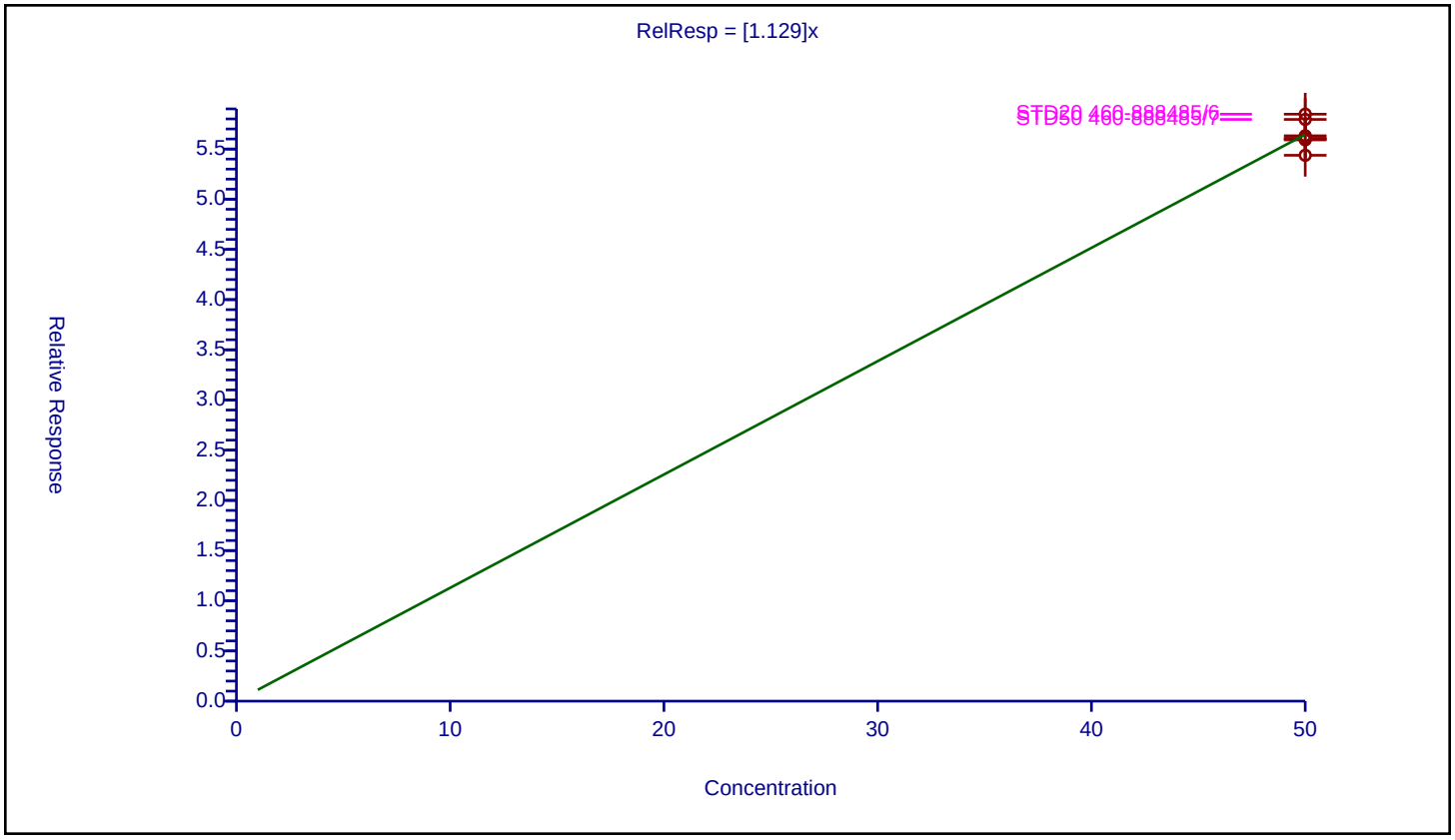
Curve Coefficients

Intercept:	0
Slope:	1.129

Error Coefficients

Standard Error:	538000
Relative Standard Error:	2.4
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	50.0	56.013661	50.0	372743.0	1.120273	Y
2	STD1 460-888485/4	50.0	55.912526	50.0	434941.0	1.118251	Y
3	STD5 460-888485/5	50.0	56.321168	50.0	419432.0	1.126423	Y
4	STD20 460-888485/6	50.0	58.472369	50.0	412305.0	1.169447	Y
5	STD50 460-888485/7	50.0	57.950213	50.0	418624.0	1.159004	Y
6	STD500 460-888485/9	50.0	54.377416	50.0	523014.0	1.087548	Y
7	STD200 460-888485/11	50.0	56.072	50.0	495891.0	1.12144	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

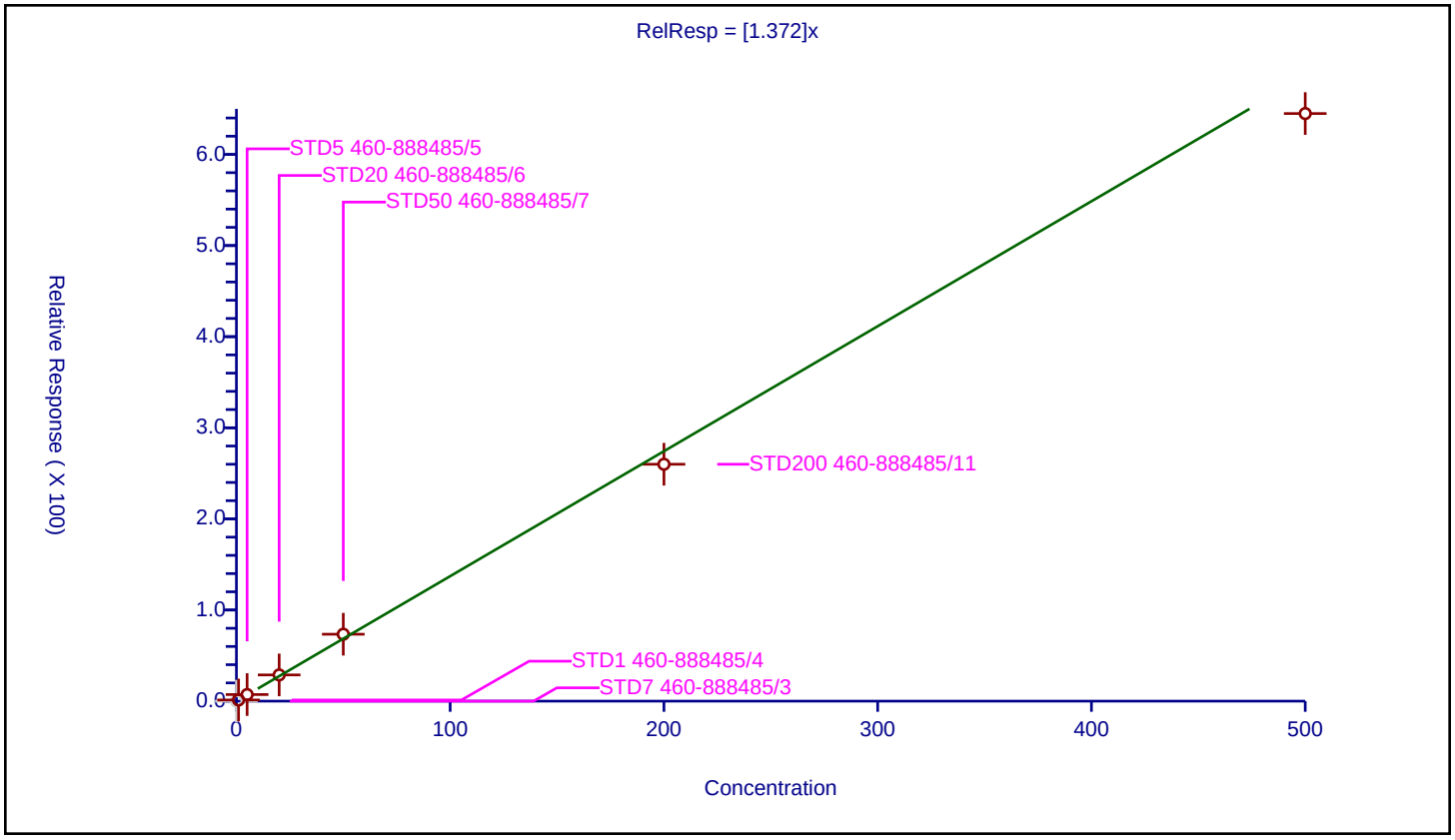
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Standard Error:	3240000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	1.284772	50.0	434941.0	1.284772	Y
3	STD5 460-888485/5	5.0	7.234069	50.0	419432.0	1.446814	Y
4	STD20 460-888485/6	20.0	28.776149	50.0	412305.0	1.438807	Y
5	STD50 460-888485/7	50.0	73.43965	50.0	418624.0	1.468793	Y
6	STD200 460-888485/11	200.0	260.007643	50.0	495891.0	1.300038	Y
7	STD500 460-888485/9	500.0	644.889143	50.0	523014.0	1.289778	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

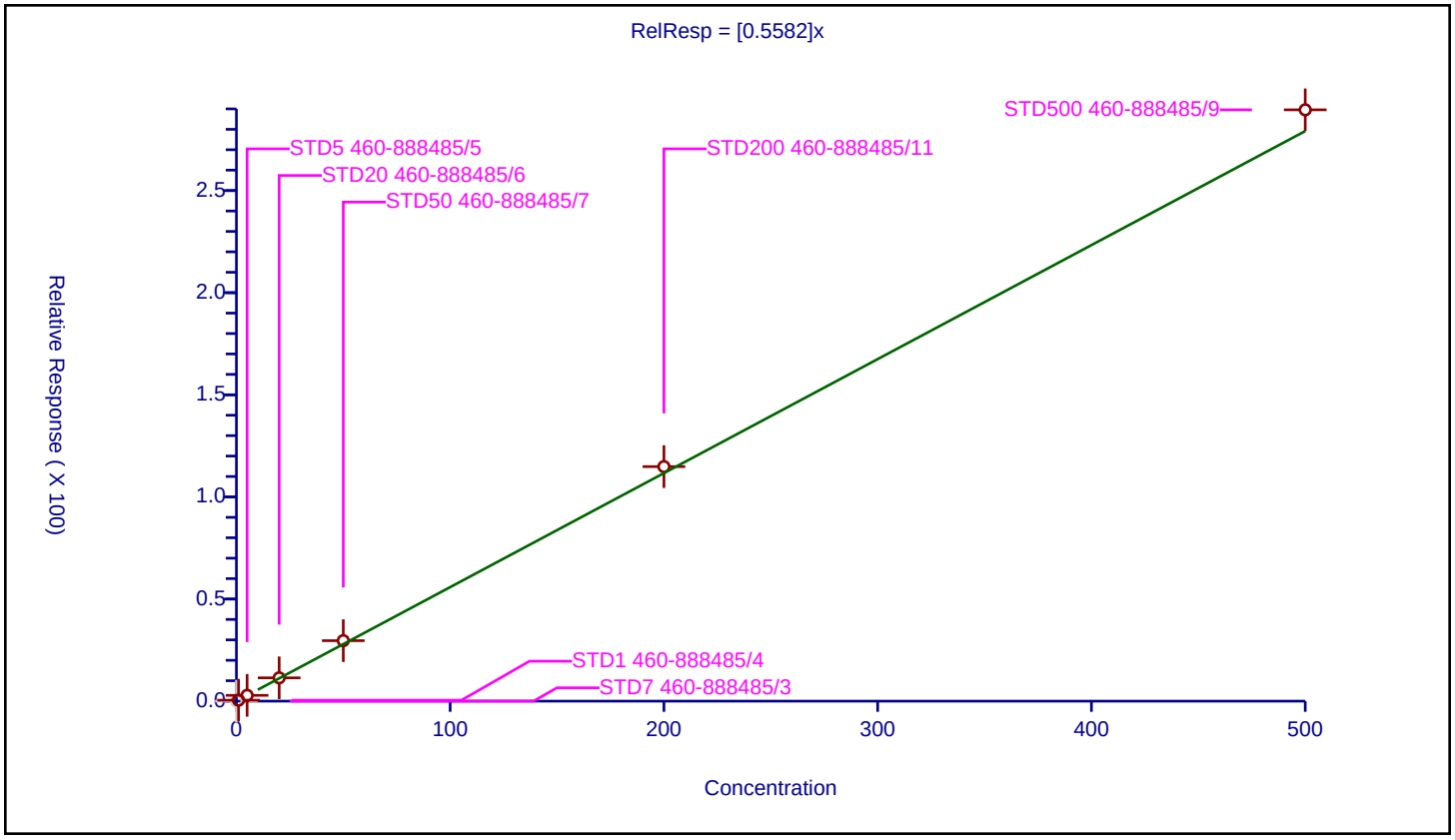
Curve Coefficients

Intercept:	0
Slope:	0.5582

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.46558	50.0	434941.0	0.46558	Y
3	STD5 460-888485/5	5.0	2.839316	50.0	419432.0	0.567863	Y
4	STD20 460-888485/6	20.0	11.411334	50.0	412305.0	0.570567	Y
5	STD50 460-888485/7	50.0	29.611059	50.0	418624.0	0.592221	Y
6	STD200 460-888485/11	200.0	114.834208	50.0	495891.0	0.574171	Y
7	STD500 460-888485/9	500.0	289.540529	50.0	523014.0	0.579081	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

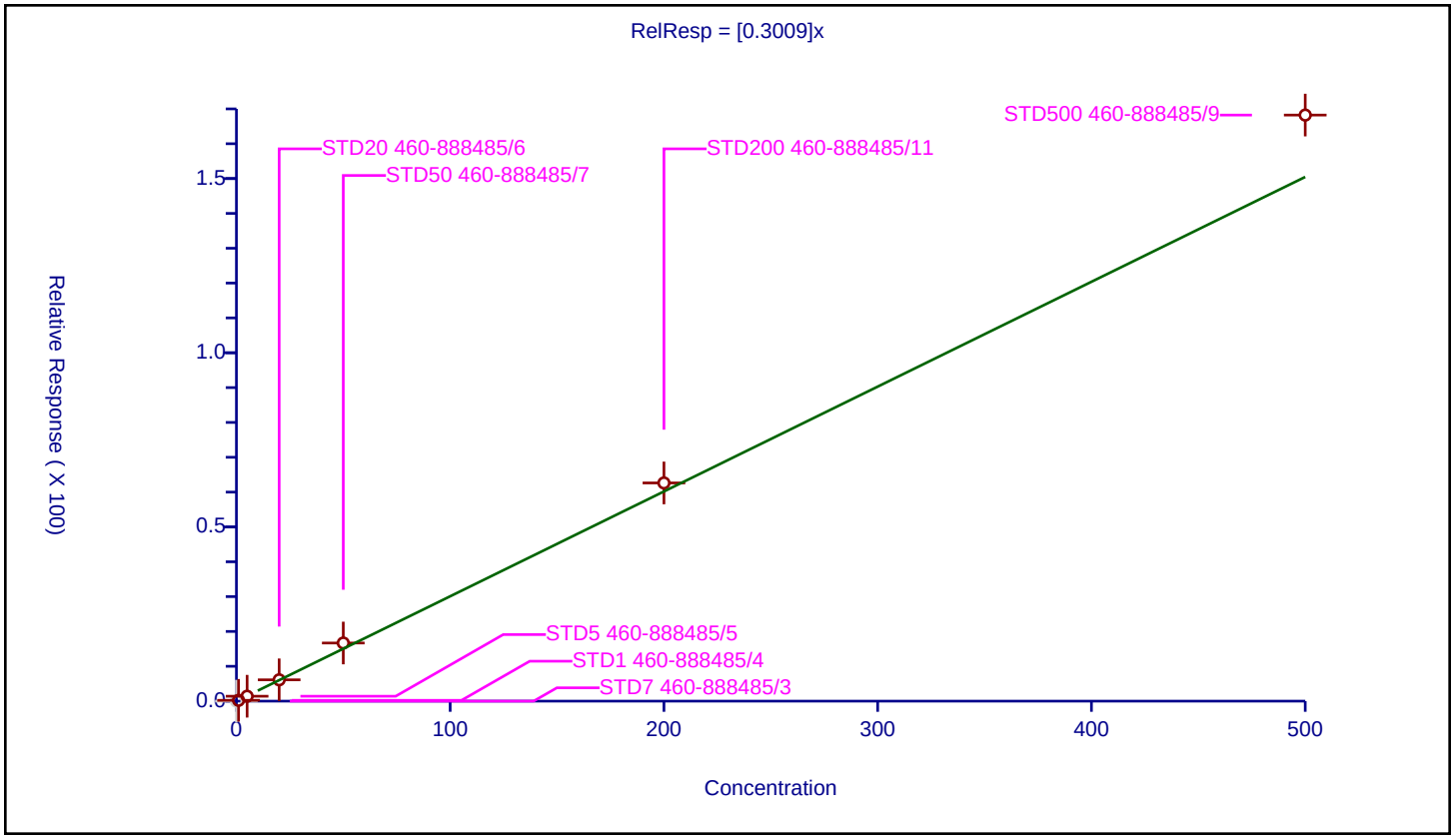
Curve Coefficients

Intercept:	0
Slope:	0.3009

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	528612.0	NaN	N
2	STD1 460-888485/4	1.0	0.233885	50.0	599867.0	0.233885	Y
3	STD5 460-888485/5	5.0	1.411888	50.0	582943.0	0.282378	Y
4	STD20 460-888485/6	20.0	6.120376	50.0	570545.0	0.306019	Y
5	STD50 460-888485/7	50.0	16.685518	50.0	575559.0	0.33371	Y
6	STD200 460-888485/11	200.0	62.632124	50.0	657811.0	0.313161	Y
7	STD500 460-888485/9	500.0	168.223512	50.0	668285.0	0.336447	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

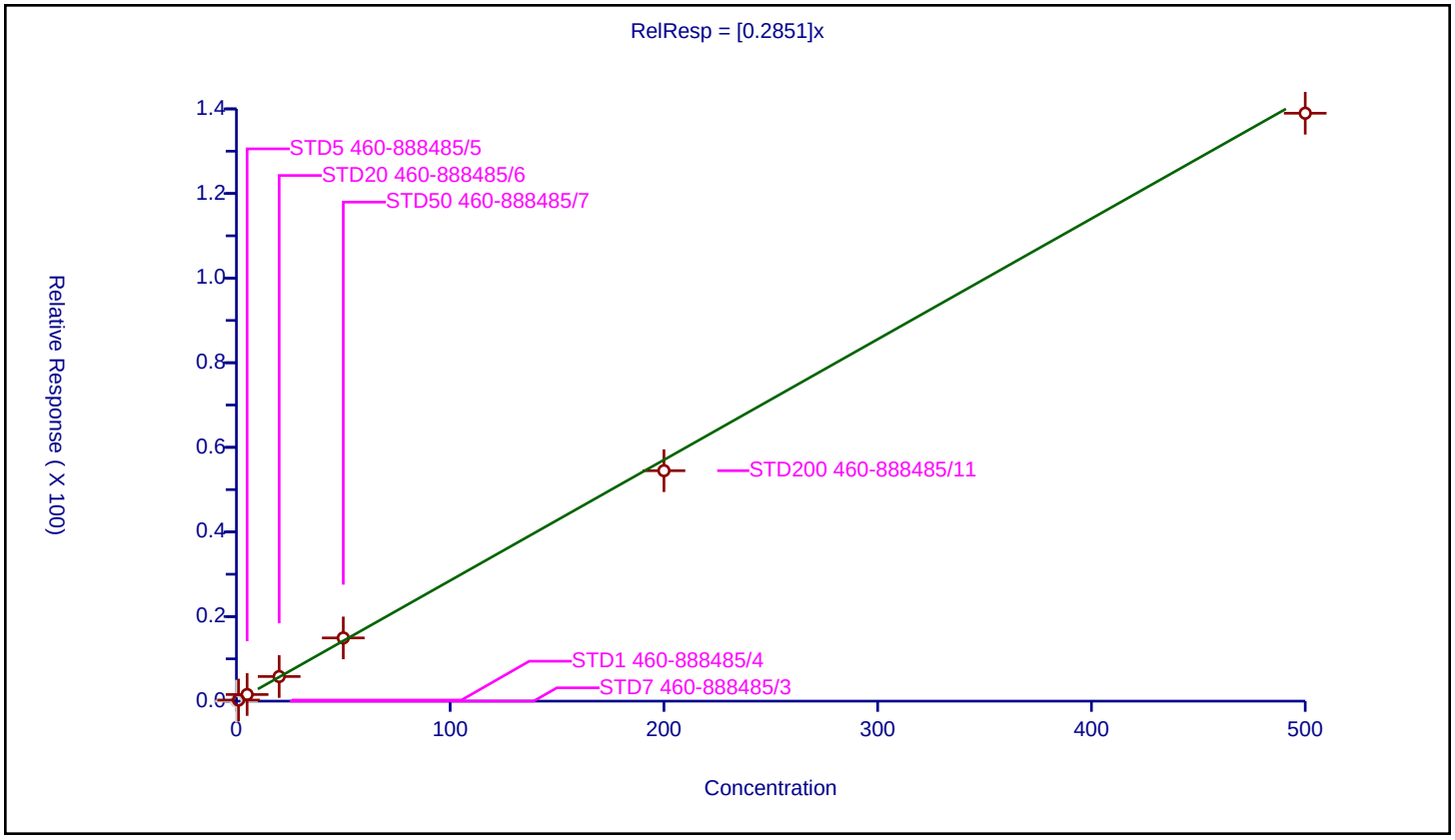
Curve Coefficients

Intercept:	0
Slope:	0.2851

Error Coefficients

Standard Error:	696000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.257506	50.0	434941.0	0.257506	Y
3	STD5 460-888485/5	5.0	1.566046	50.0	419432.0	0.313209	Y
4	STD20 460-888485/6	20.0	5.818144	50.0	412305.0	0.290907	Y
5	STD50 460-888485/7	50.0	14.944556	50.0	418624.0	0.298891	Y
6	STD200 460-888485/11	200.0	54.478605	50.0	495891.0	0.272393	Y
7	STD500 460-888485/9	500.0	138.972666	50.0	523014.0	0.277945	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

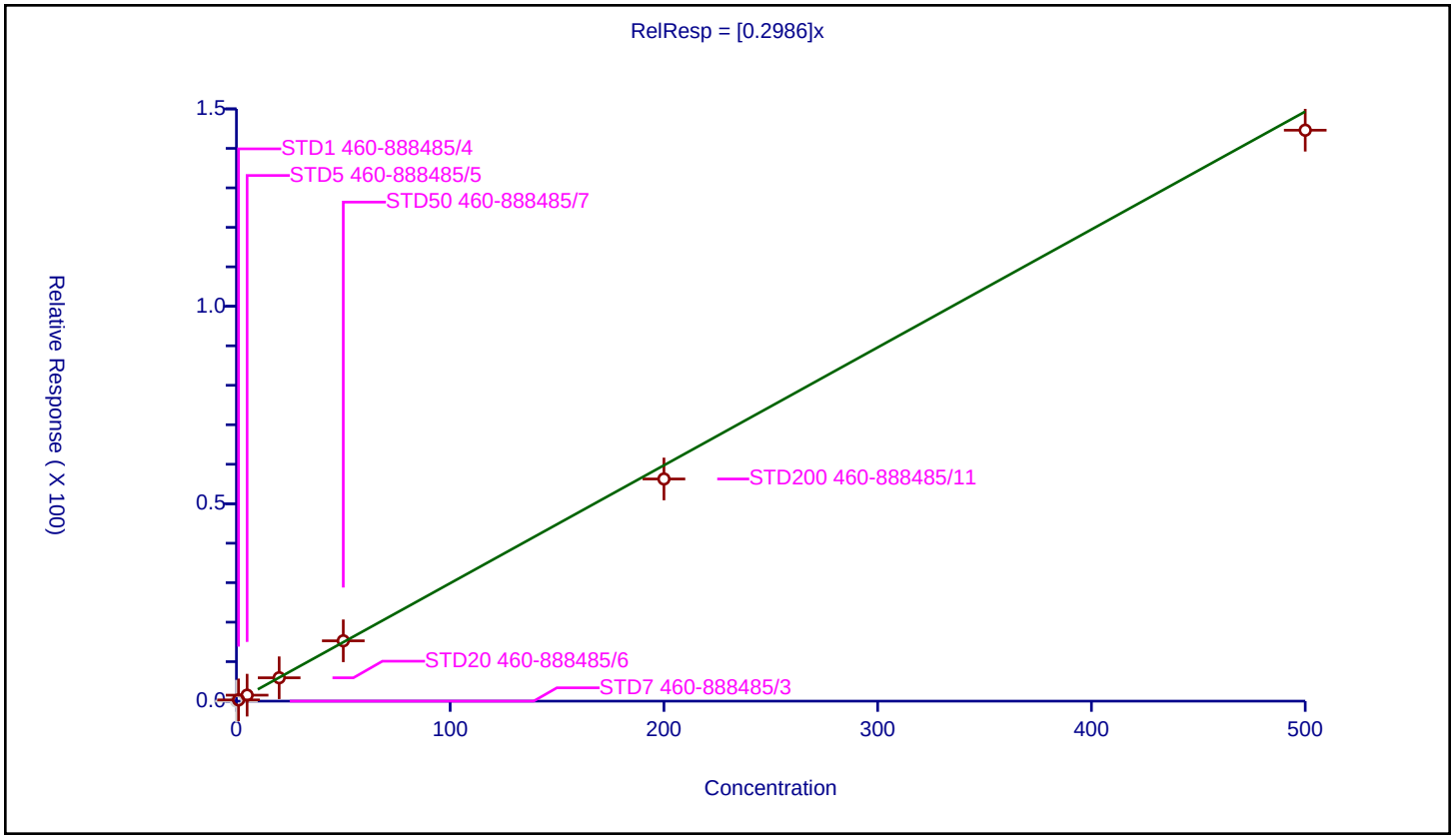
Curve Coefficients

Intercept:	0
Slope:	0.2986

Error Coefficients

Standard Error:	724000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.316135	50.0	434941.0	0.316135	Y
3	STD5 460-888485/5	5.0	1.517528	50.0	419432.0	0.303506	Y
4	STD20 460-888485/6	20.0	5.920132	50.0	412305.0	0.296007	Y
5	STD50 460-888485/7	50.0	15.28233	50.0	418624.0	0.305647	Y
6	STD200 460-888485/11	200.0	56.271136	50.0	495891.0	0.281356	Y
7	STD500 460-888485/9	500.0	144.603013	50.0	523014.0	0.289206	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

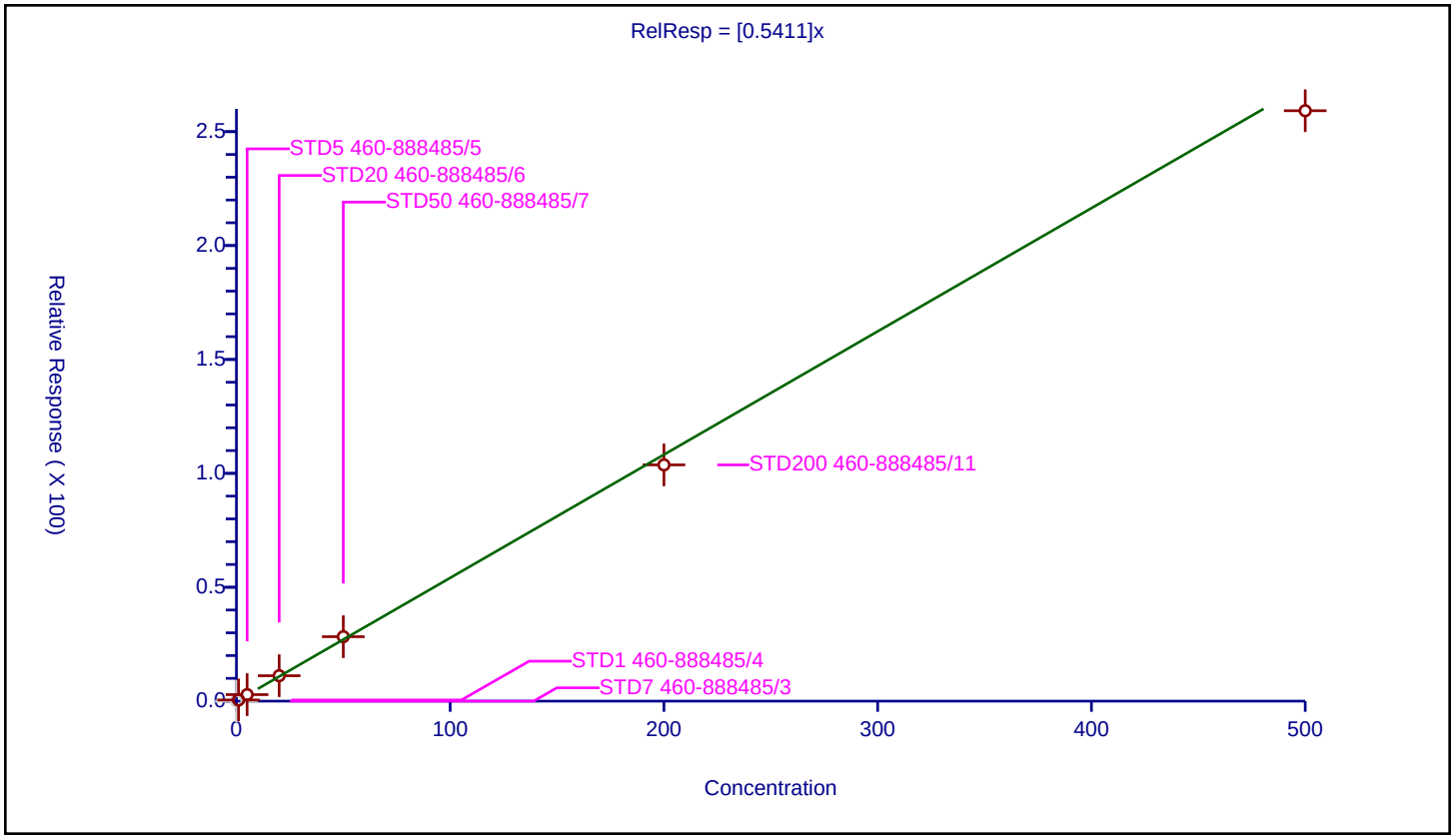
Curve Coefficients

Intercept:	0
Slope:	0.5411

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.513288	50.0	434941.0	0.513288	Y
3	STD5 460-888485/5	5.0	2.863396	50.0	419432.0	0.572679	Y
4	STD20 460-888485/6	20.0	11.156789	50.0	412305.0	0.557839	Y
5	STD50 460-888485/7	50.0	28.289467	50.0	418624.0	0.565789	Y
6	STD200 460-888485/11	200.0	103.719366	50.0	495891.0	0.518597	Y
7	STD500 460-888485/9	500.0	259.187899	50.0	523014.0	0.518376	Y



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Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

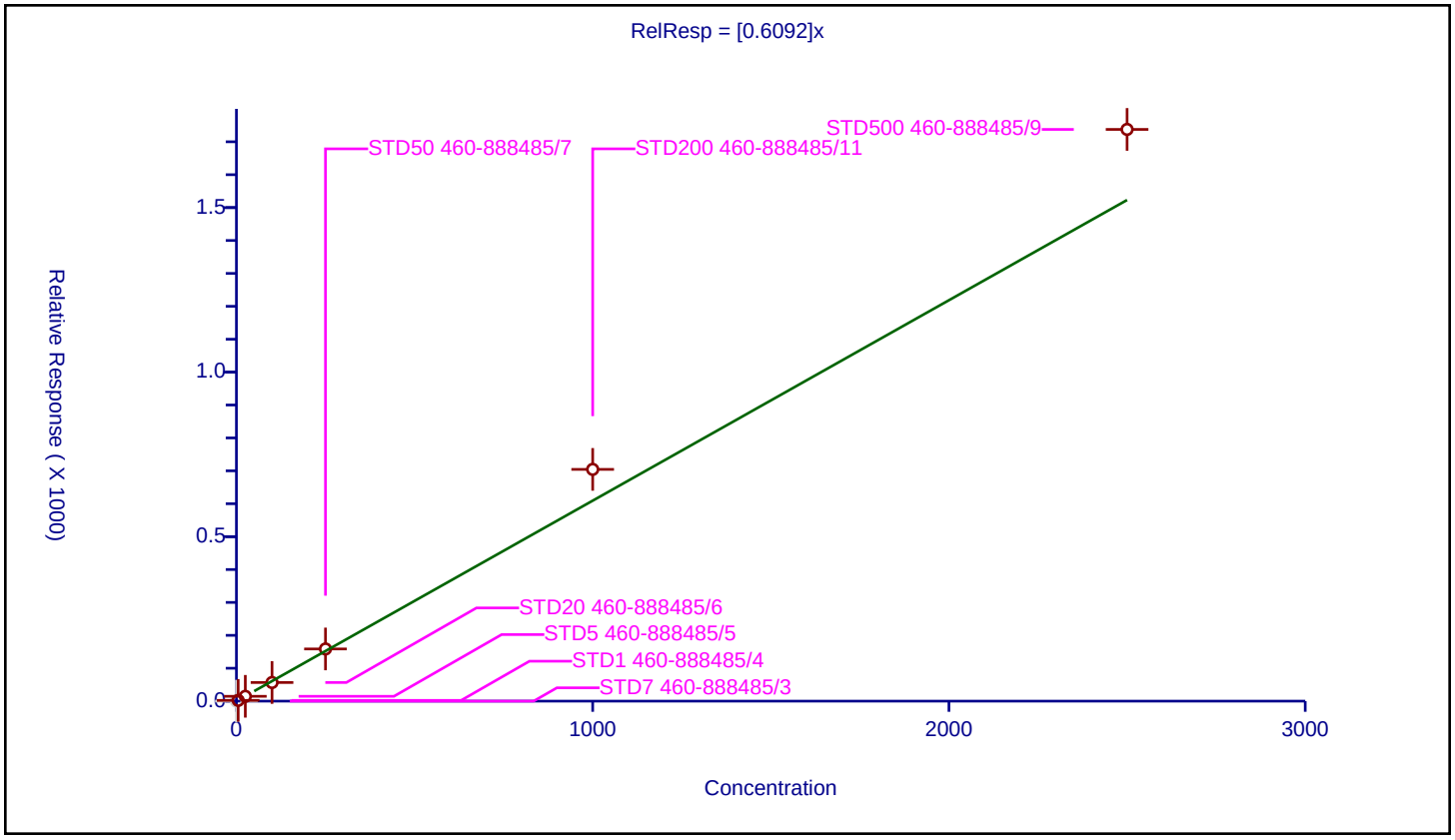
Curve Coefficients

Intercept:	0
Slope:	0.6092

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	250.0	429011.0	NaN	N
2	STD1 460-888485/4	5.0	2.34343	250.0	438780.0	0.468686	Y
3	STD5 460-888485/5	25.0	14.673831	250.0	436338.0	0.586953	Y
4	STD20 460-888485/6	100.0	56.604162	250.0	473035.0	0.566042	Y
5	STD50 460-888485/7	250.0	158.593476	250.0	468268.0	0.634374	Y
6	STD200 460-888485/11	1000.0	704.372968	250.0	453262.0	0.704373	Y
7	STD500 460-888485/9	2500.0	1737.590986	250.0	489362.0	0.695036	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

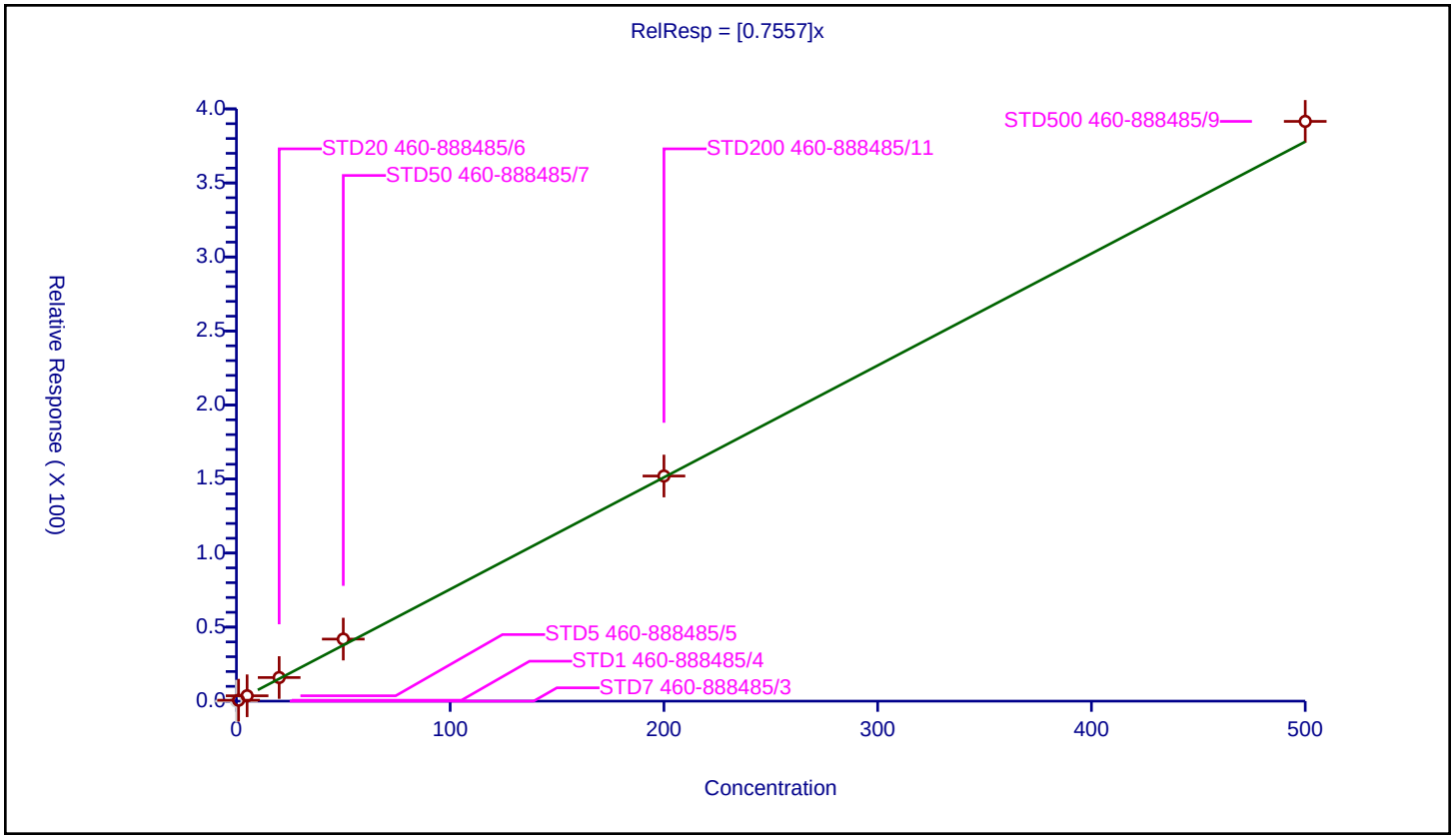
Curve Coefficients

Intercept:	0
Slope:	0.7557

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.629511	50.0	434941.0	0.629511	Y
3	STD5 460-888485/5	5.0	3.628121	50.0	419432.0	0.725624	Y
4	STD20 460-888485/6	20.0	15.953724	50.0	412305.0	0.797686	Y
5	STD50 460-888485/7	50.0	41.898099	50.0	418624.0	0.837962	Y
6	STD200 460-888485/11	200.0	152.044199	50.0	495891.0	0.760221	Y
7	STD500 460-888485/9	500.0	391.563132	50.0	523014.0	0.783126	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

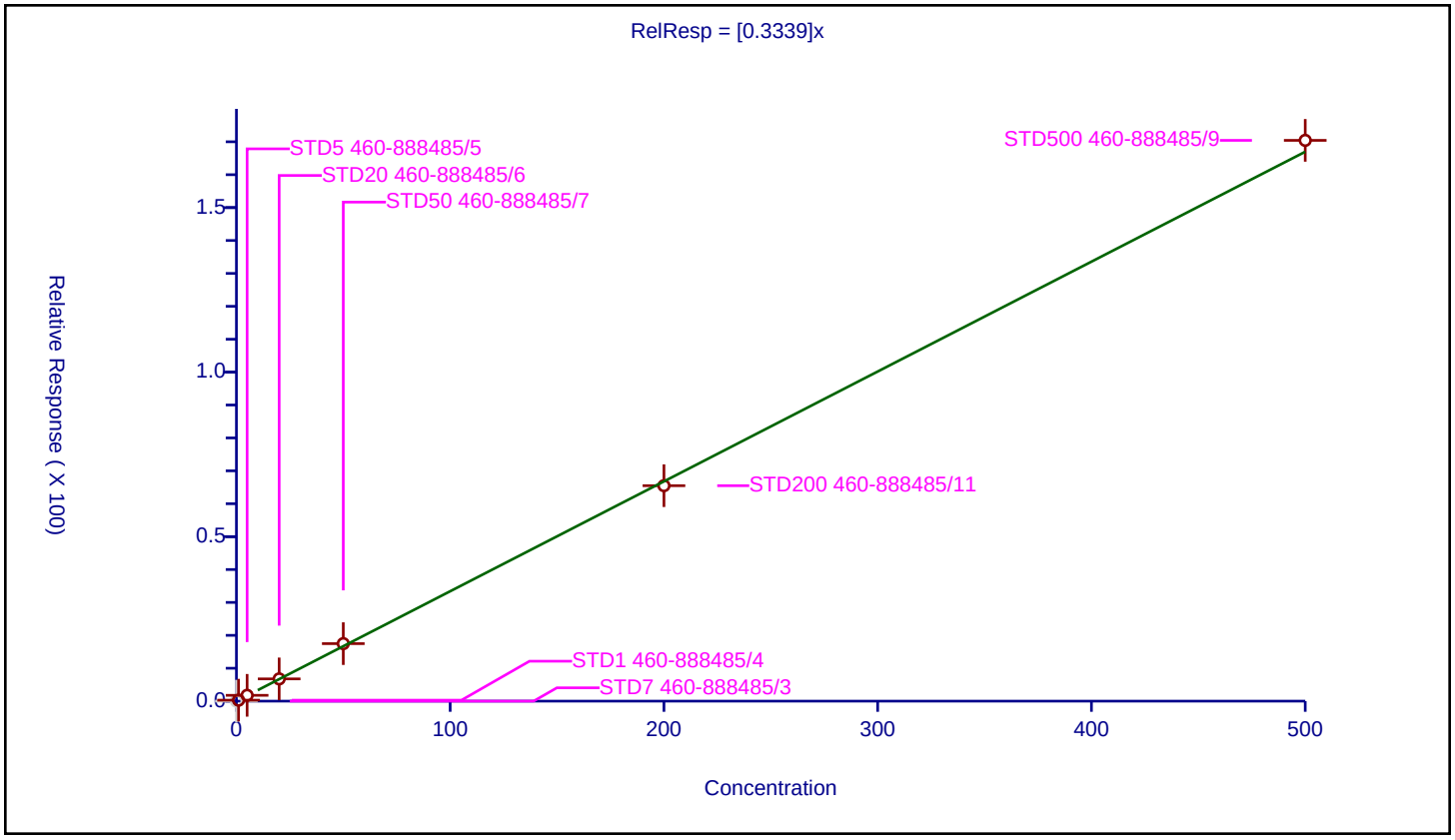
Curve Coefficients

Intercept:	0
Slope:	0.3339

Error Coefficients

Standard Error:	851000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.294523	50.0	434941.0	0.294523	Y
3	STD5 460-888485/5	5.0	1.765244	50.0	419432.0	0.353049	Y
4	STD20 460-888485/6	20.0	6.761863	50.0	412305.0	0.338093	Y
5	STD50 460-888485/7	50.0	17.480842	50.0	418624.0	0.349617	Y
6	STD200 460-888485/11	200.0	65.484451	50.0	495891.0	0.327422	Y
7	STD500 460-888485/9	500.0	170.431289	50.0	523014.0	0.340863	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

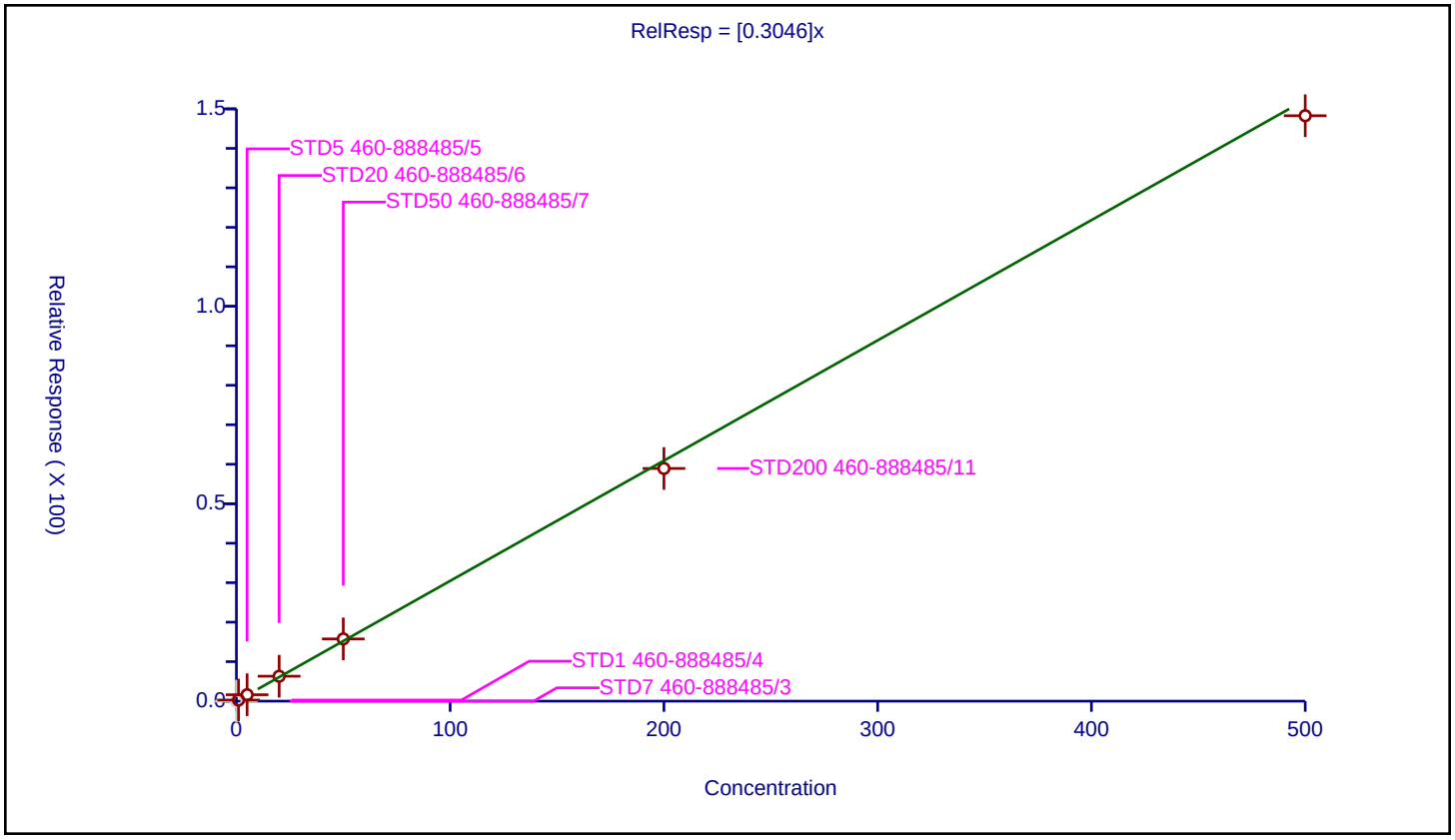
Curve Coefficients

Intercept:	0
Slope:	0.3046

Error Coefficients

Standard Error:	744000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.281762	50.0	434941.0	0.281762	Y
3	STD5 460-888485/5	5.0	1.619452	50.0	419432.0	0.32389	Y
4	STD20 460-888485/6	20.0	6.307952	50.0	412305.0	0.315398	Y
5	STD50 460-888485/7	50.0	15.760085	50.0	418624.0	0.315202	Y
6	STD200 460-888485/11	200.0	58.926558	50.0	495891.0	0.294633	Y
7	STD500 460-888485/9	500.0	148.263909	50.0	523014.0	0.296528	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

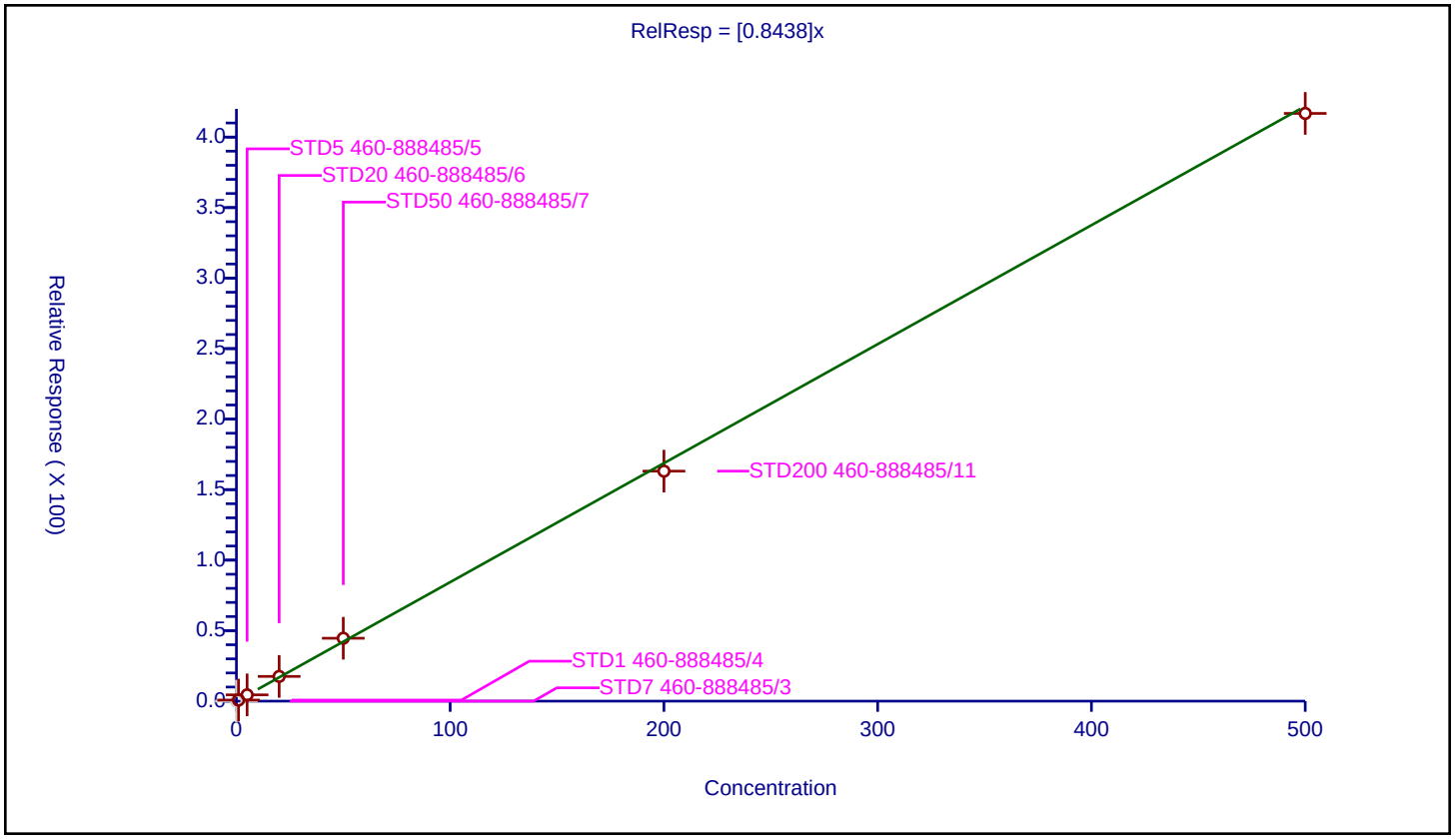
Curve Coefficients

Intercept:	0
Slope:	0.8438

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.75539	50.0	434941.0	0.75539	Y
3	STD5 460-888485/5	5.0	4.449112	50.0	419432.0	0.889822	Y
4	STD20 460-888485/6	20.0	17.533016	50.0	412305.0	0.876651	Y
5	STD50 460-888485/7	50.0	44.597897	50.0	418624.0	0.891958	Y
6	STD200 460-888485/11	200.0	163.112156	50.0	495891.0	0.815561	Y
7	STD500 460-888485/9	500.0	416.798212	50.0	523014.0	0.833596	Y



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Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

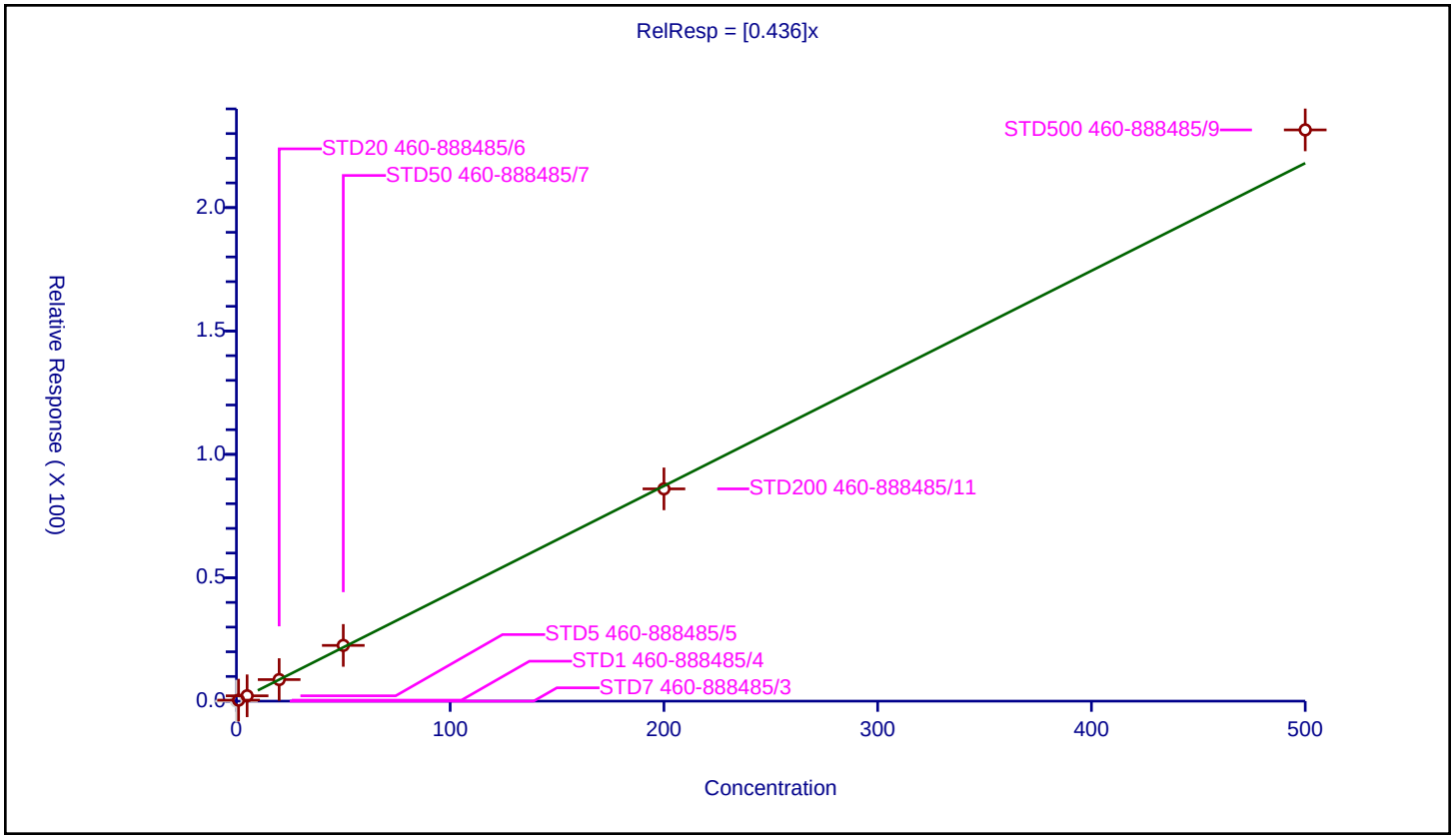
Curve Coefficients

Intercept:	0
Slope:	0.436

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.401434	50.0	434941.0	0.401434	Y
3	STD5 460-888485/5	5.0	2.165786	50.0	419432.0	0.433157	Y
4	STD20 460-888485/6	20.0	8.732734	50.0	412305.0	0.436637	Y
5	STD50 460-888485/7	50.0	22.587453	50.0	418624.0	0.451749	Y
6	STD200 460-888485/11	200.0	86.016483	50.0	495891.0	0.430082	Y
7	STD500 460-888485/9	500.0	231.485104	50.0	523014.0	0.46297	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

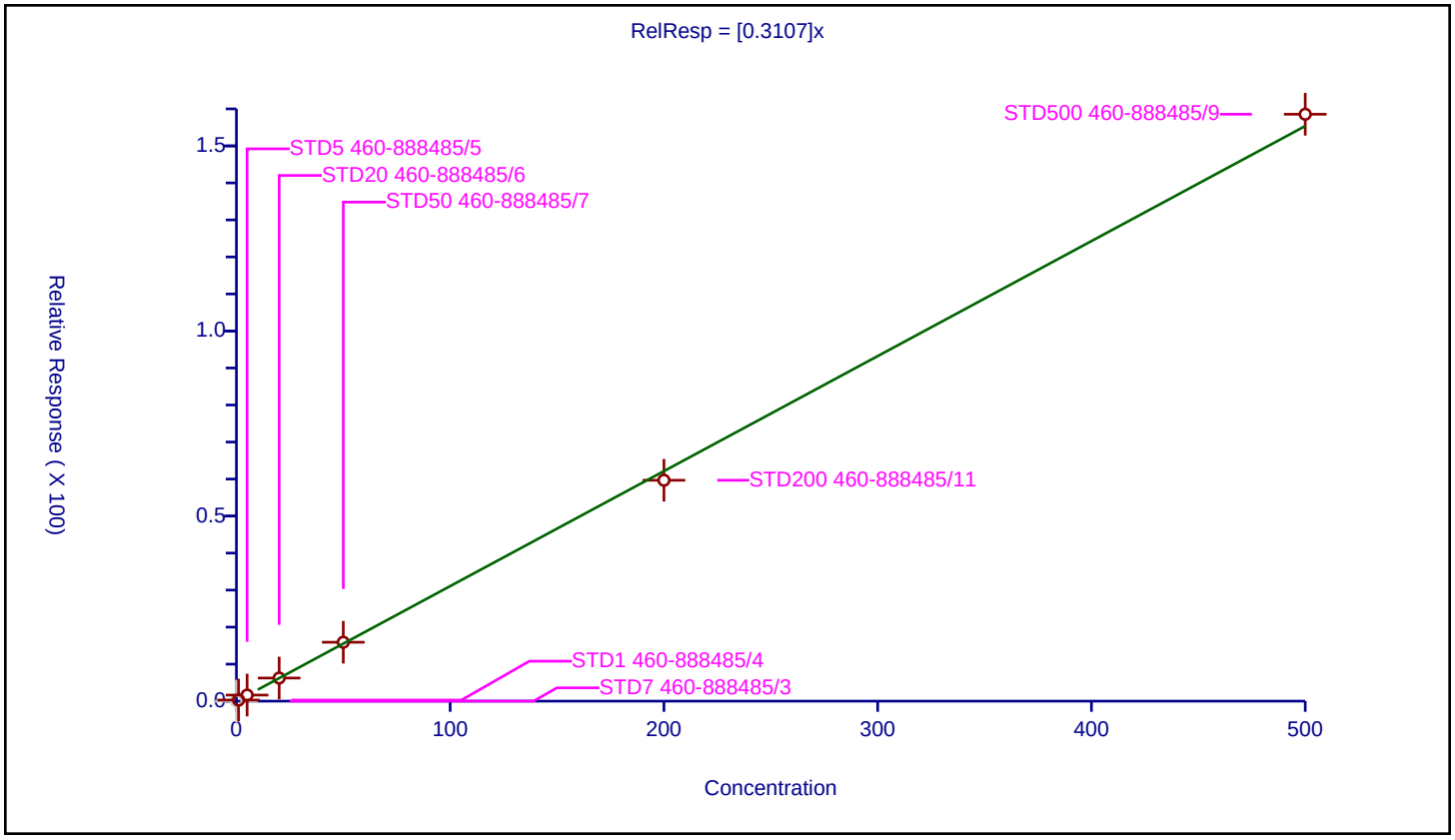
Curve Coefficients

Intercept:	0
Slope:	0.3107

Error Coefficients

Standard Error:	790000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.290614	50.0	434941.0	0.290614	Y
3	STD5 460-888485/5	5.0	1.639718	50.0	419432.0	0.327944	Y
4	STD20 460-888485/6	20.0	6.239677	50.0	412305.0	0.311984	Y
5	STD50 460-888485/7	50.0	15.913564	50.0	418624.0	0.318271	Y
6	STD200 460-888485/11	200.0	59.677933	50.0	495891.0	0.29839	Y
7	STD500 460-888485/9	500.0	158.555794	50.0	523014.0	0.317112	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

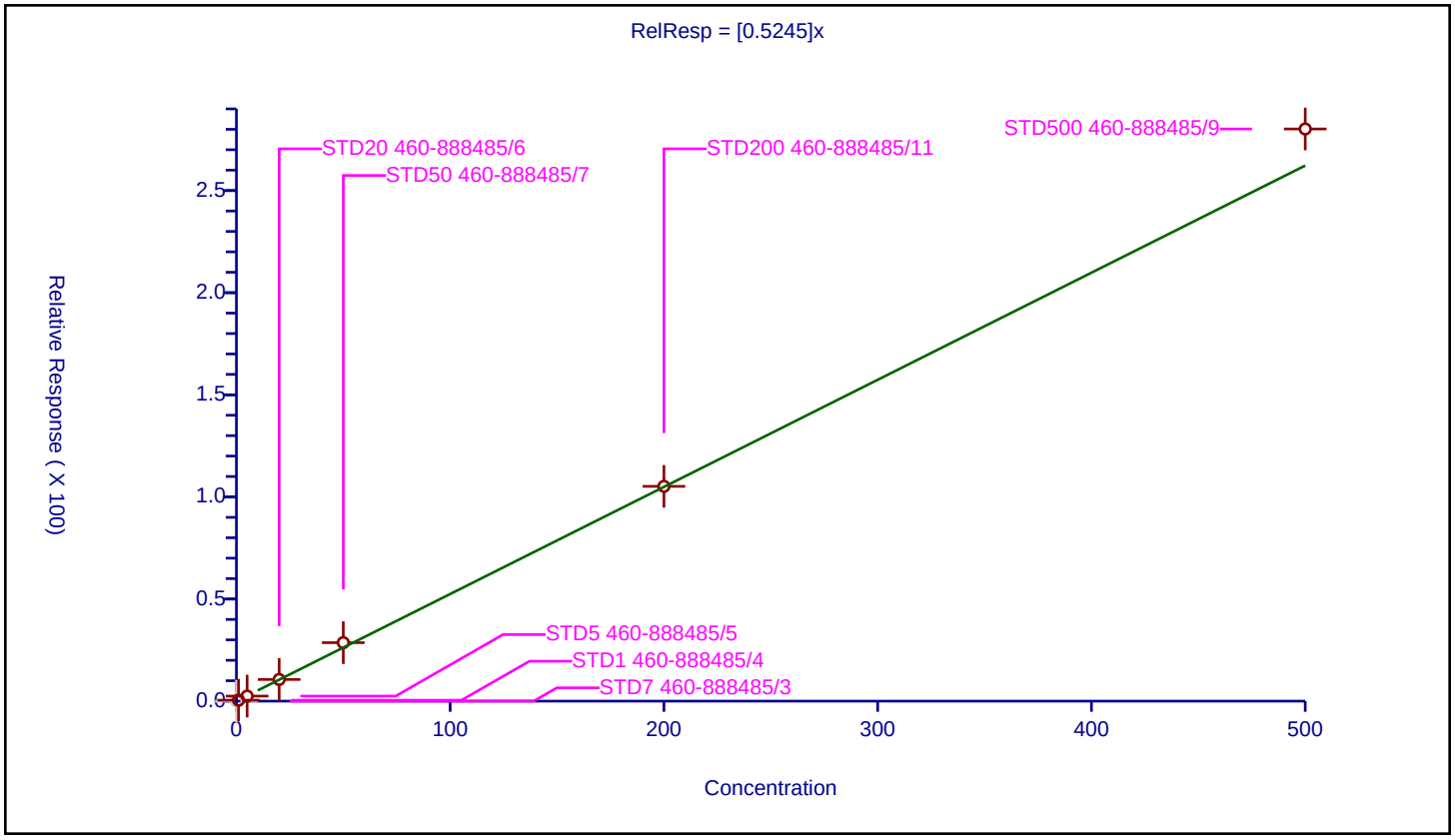
Curve Coefficients

Intercept:	0
Slope:	0.5245

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.463971	50.0	434941.0	0.463971	Y
3	STD5 460-888485/5	5.0	2.468696	50.0	419432.0	0.493739	Y
4	STD20 460-888485/6	20.0	10.606347	50.0	412305.0	0.530317	Y
5	STD50 460-888485/7	50.0	28.631302	50.0	418624.0	0.572626	Y
6	STD200 460-888485/11	200.0	105.174524	50.0	495891.0	0.525873	Y
7	STD500 460-888485/9	500.0	280.167548	50.0	523014.0	0.560335	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

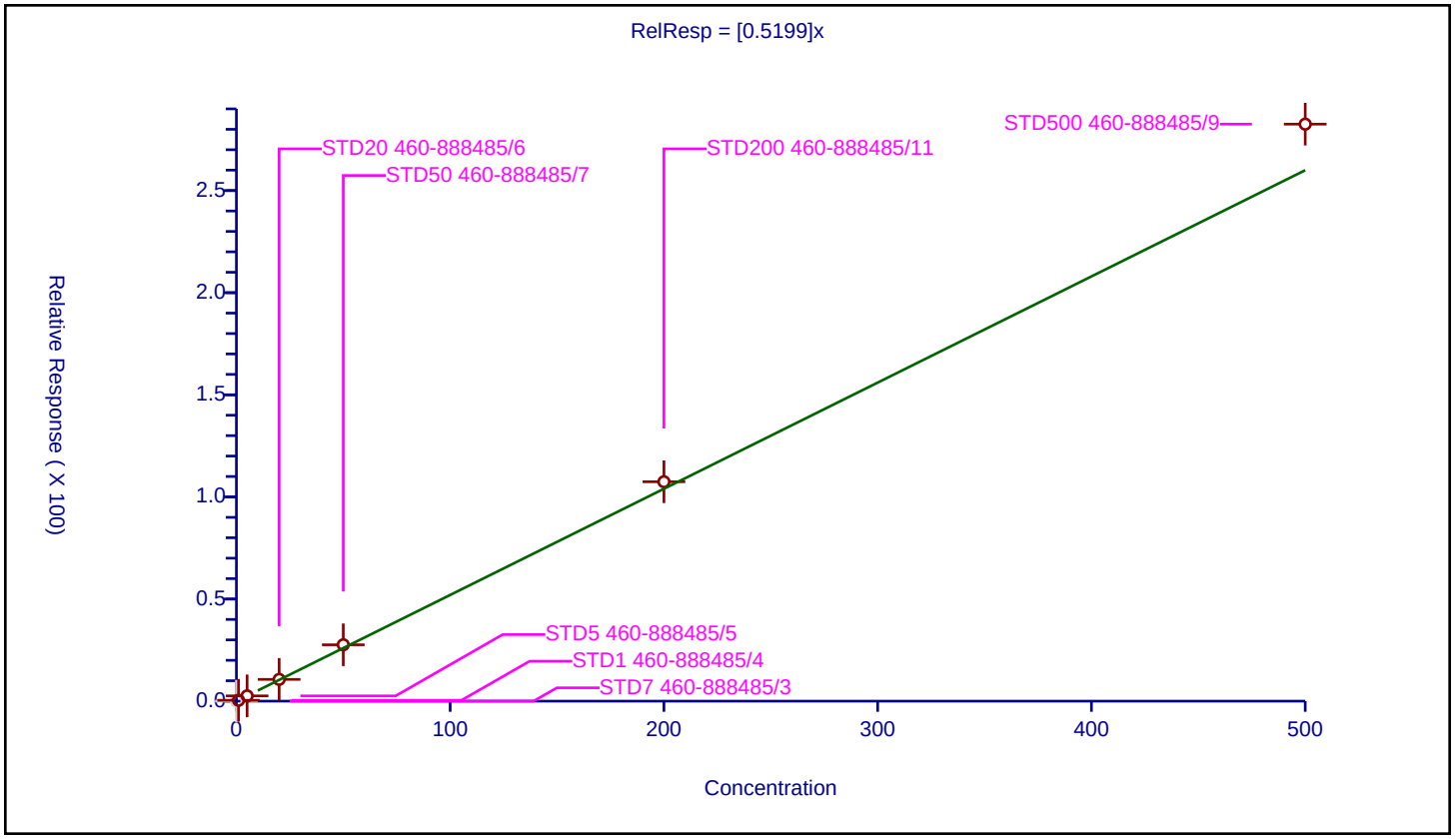
Curve Coefficients

Intercept:	0
Slope:	0.5199

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.418448	50.0	434941.0	0.418448	Y
3	STD5 460-888485/5	5.0	2.571811	50.0	419432.0	0.514362	Y
4	STD20 460-888485/6	20.0	10.651217	50.0	412305.0	0.532561	Y
5	STD50 460-888485/7	50.0	27.594333	50.0	418624.0	0.551887	Y
6	STD200 460-888485/11	200.0	107.435606	50.0	495891.0	0.537178	Y
7	STD500 460-888485/9	500.0	282.523126	50.0	523014.0	0.565046	Y



Calibration / n-Butyl acrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

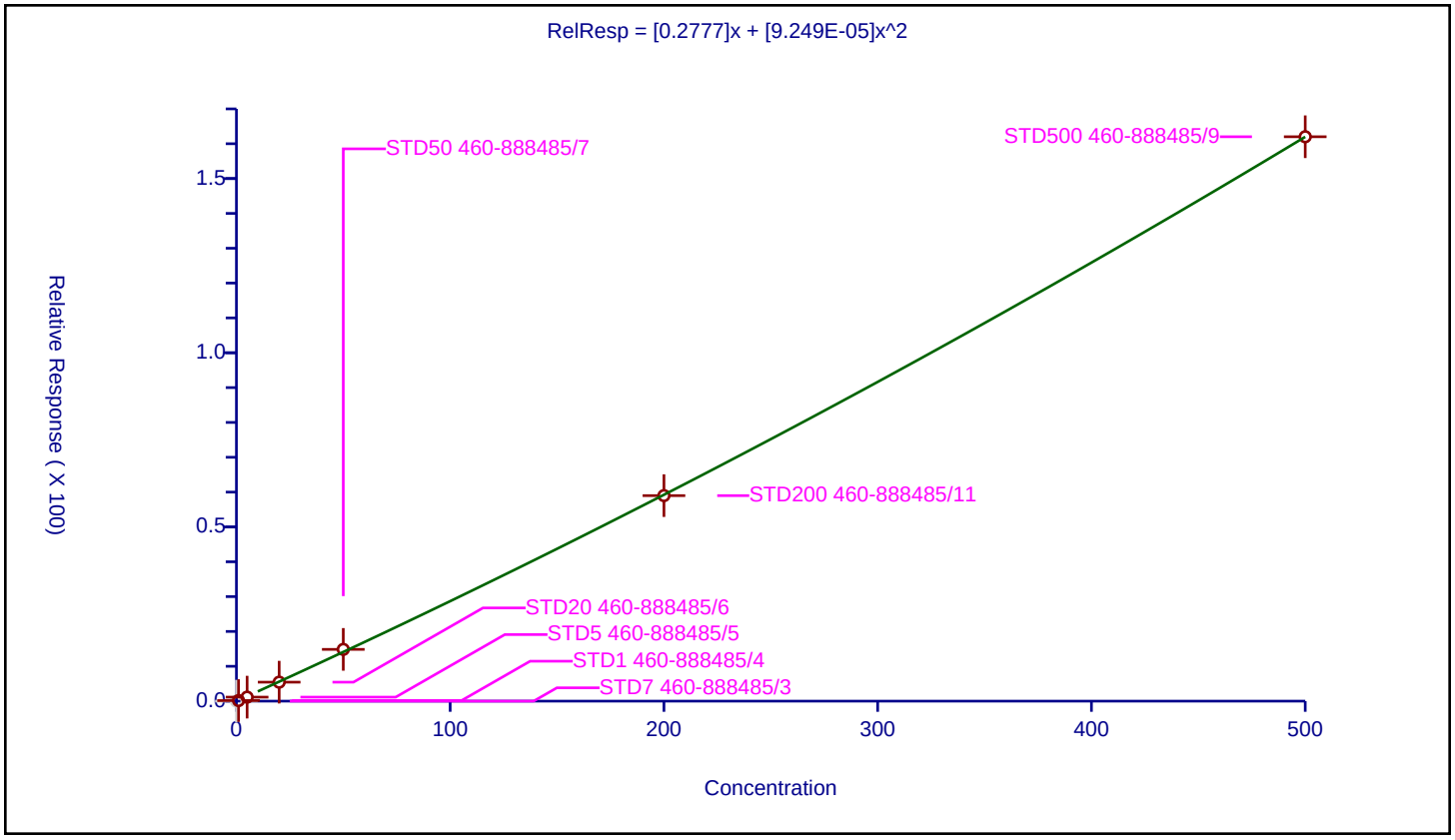
Curve Coefficients

Intercept:	0
Slope:	0.2777
Second Order:	9.249E-05

Error Coefficients

Standard Error:	899000
Relative Standard Error:	22.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.165655	50.0	434941.0	0.165655	Y
3	STD5 460-888485/5	5.0	1.152392	50.0	419432.0	0.230478	Y
4	STD20 460-888485/6	20.0	5.443543	50.0	412305.0	0.272177	Y
5	STD50 460-888485/7	50.0	14.857724	50.0	418624.0	0.297154	Y
6	STD200 460-888485/11	200.0	58.995727	50.0	495891.0	0.294979	Y
7	STD500 460-888485/9	500.0	162.003503	50.0	523014.0	0.324007	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

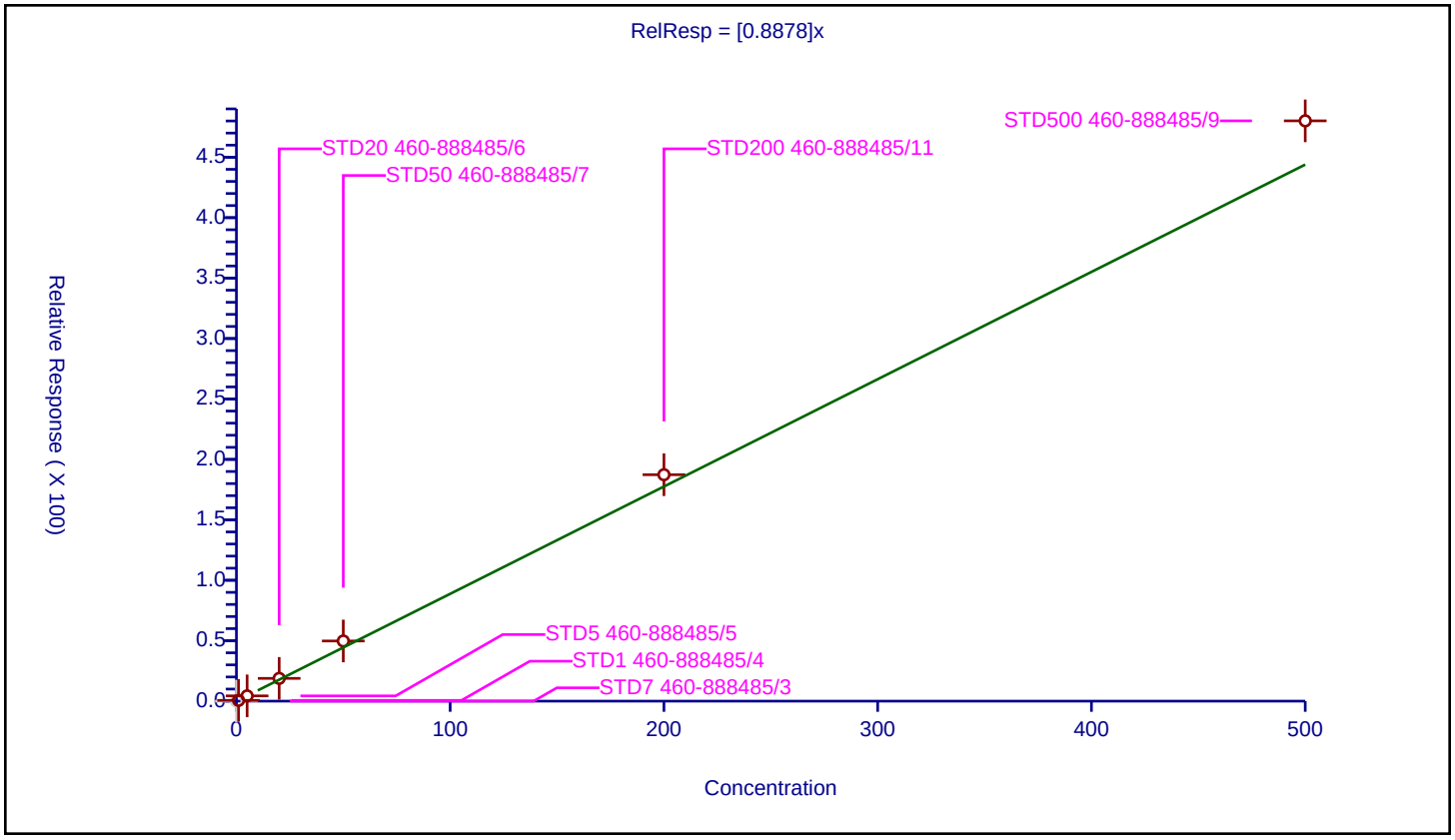
Curve Coefficients

Intercept:	0
Slope:	0.8878

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	15.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.624108	50.0	434941.0	0.624108	Y
3	STD5 460-888485/5	5.0	4.346831	50.0	419432.0	0.869366	Y
4	STD20 460-888485/6	20.0	18.824293	50.0	412305.0	0.941215	Y
5	STD50 460-888485/7	50.0	49.76148	50.0	418624.0	0.99523	Y
6	STD200 460-888485/11	200.0	187.347522	50.0	495891.0	0.936738	Y
7	STD500 460-888485/9	500.0	480.115733	50.0	523014.0	0.960231	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

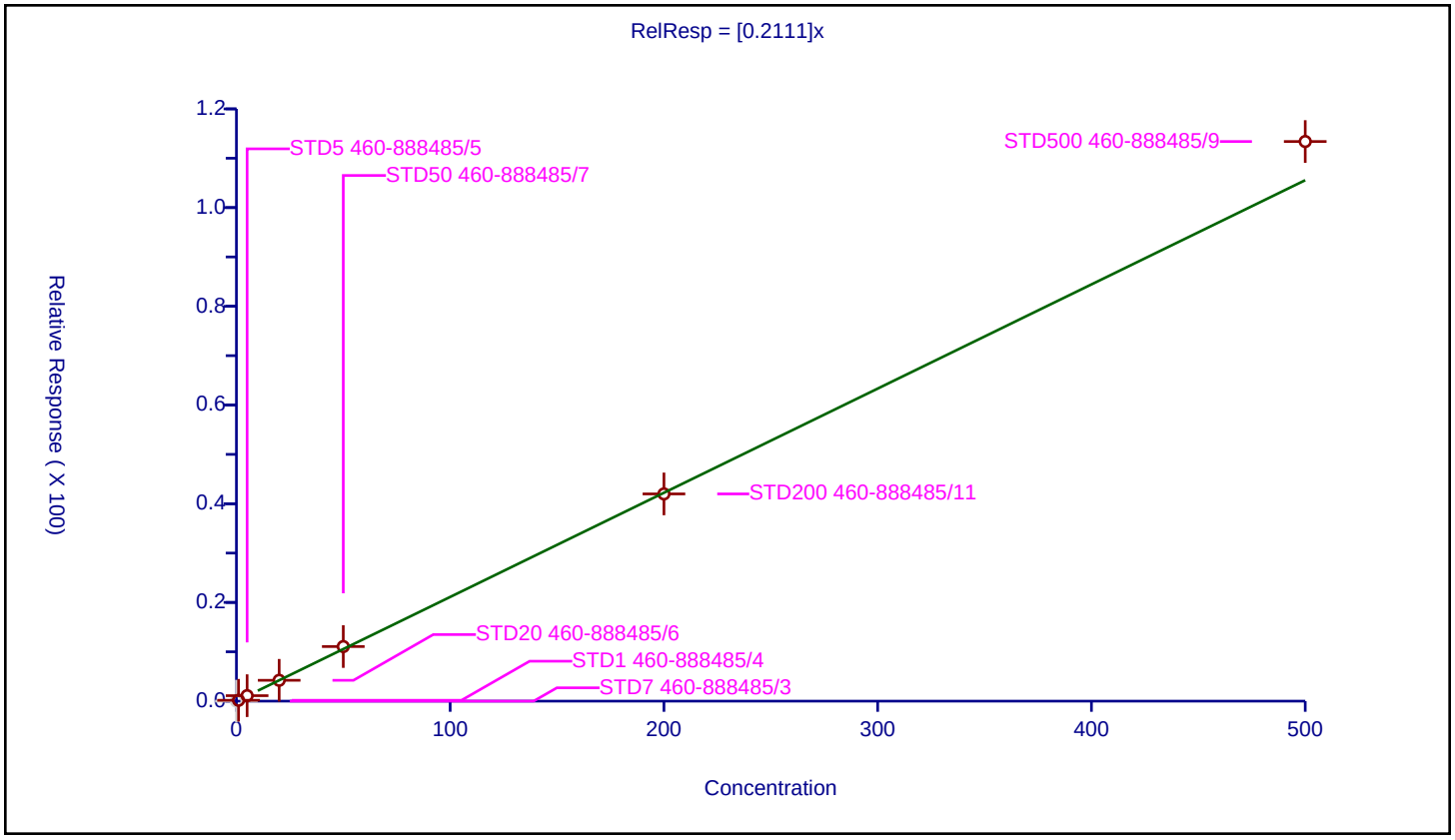
Curve Coefficients

Intercept:	0
Slope:	0.2111

Error Coefficients

Standard Error:	564000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.176231	50.0	434941.0	0.176231	Y
3	STD5 460-888485/5	5.0	1.106973	50.0	419432.0	0.221395	Y
4	STD20 460-888485/6	20.0	4.220904	50.0	412305.0	0.211045	Y
5	STD50 460-888485/7	50.0	11.058611	50.0	418624.0	0.221172	Y
6	STD200 460-888485/11	200.0	41.988864	50.0	495891.0	0.209944	Y
7	STD500 460-888485/9	500.0	113.388074	50.0	523014.0	0.226776	Y



Calibration / Amyl acetate (mixed isomers)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

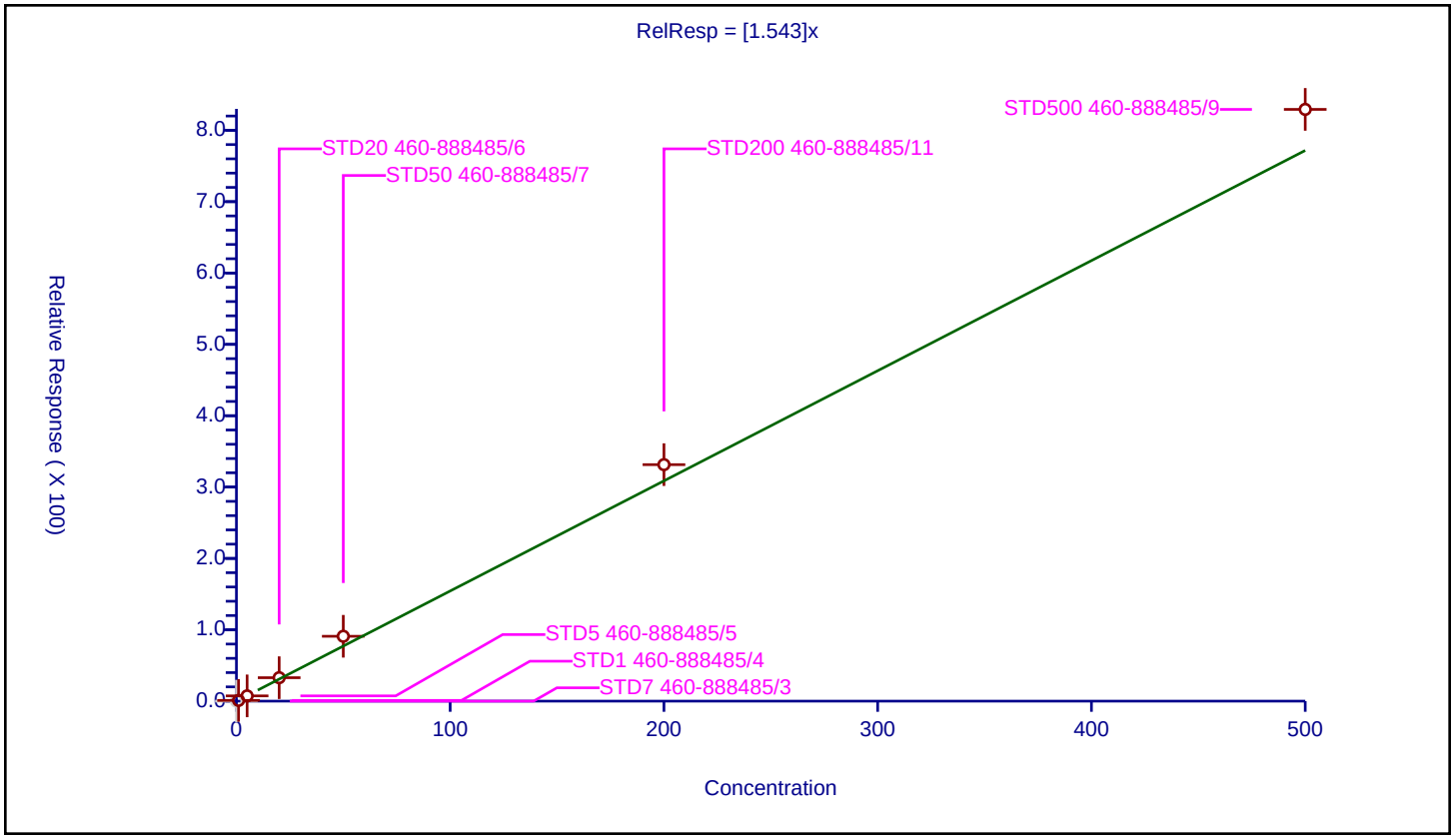
Curve Coefficients

Intercept:	0
Slope:	1.543

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	18.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.011506	50.0	232920.0	1.011506	Y
3	STD5 460-888485/5	5.0	7.362665	50.0	224579.0	1.472533	Y
4	STD20 460-888485/6	20.0	32.851416	50.0	229016.0	1.642571	Y
5	STD50 460-888485/7	50.0	90.91487	50.0	232820.0	1.818297	Y
6	STD200 460-888485/11	200.0	331.44193	50.0	285423.0	1.65721	Y
7	STD500 460-888485/9	500.0	829.282051	50.0	315287.0	1.658564	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

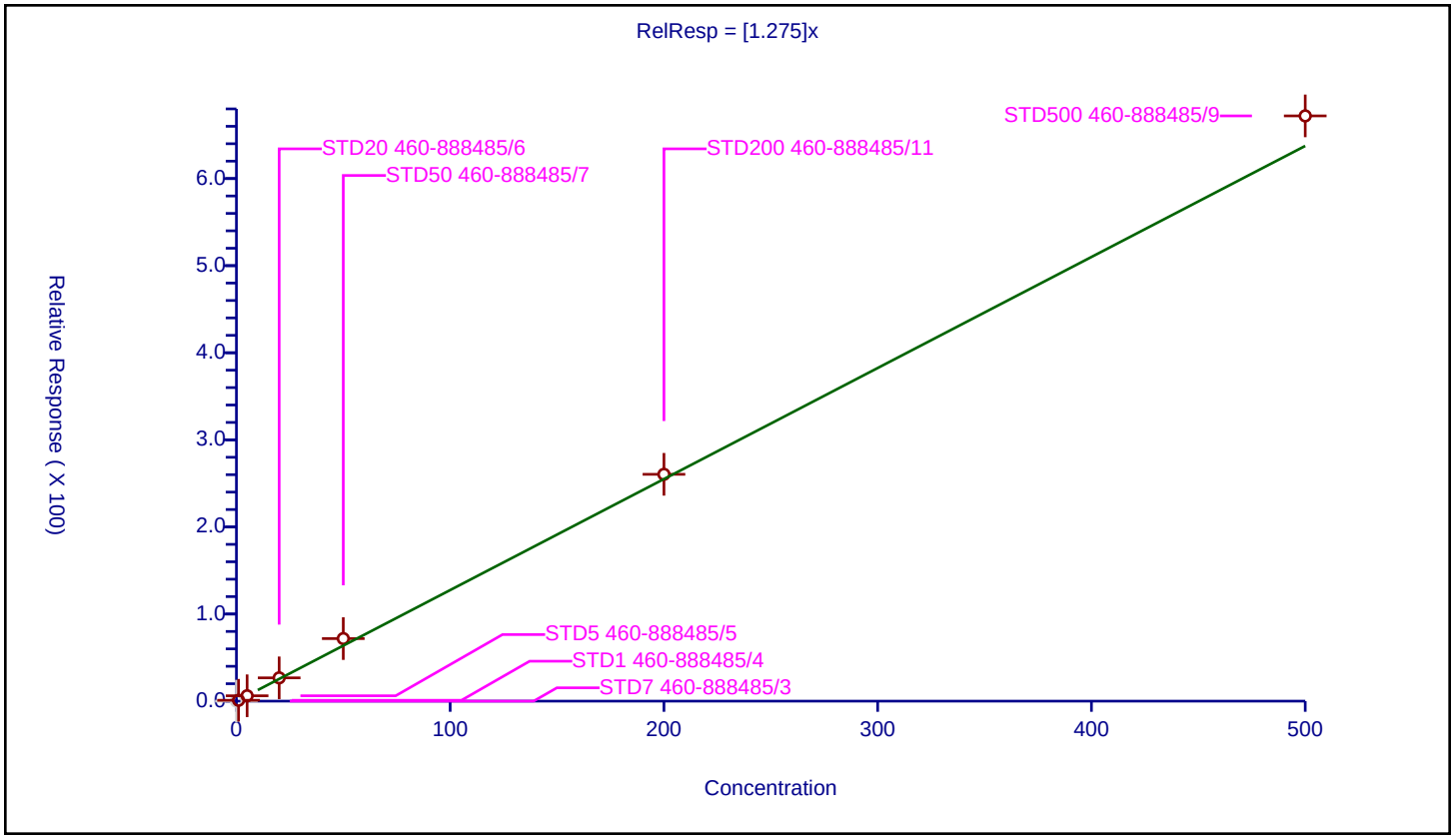
Curve Coefficients

Intercept:	0
Slope:	1.275

Error Coefficients

Standard Error:	3360000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	372743.0	NaN	N
2	STD1 460-888485/4	1.0	0.999216	50.0	434941.0	0.999216	Y
3	STD5 460-888485/5	5.0	6.150461	50.0	419432.0	1.230092	Y
4	STD20 460-888485/6	20.0	26.755193	50.0	412305.0	1.33776	Y
5	STD50 460-888485/7	50.0	71.824955	50.0	418624.0	1.436499	Y
6	STD200 460-888485/11	200.0	260.445037	50.0	495891.0	1.302225	Y
7	STD500 460-888485/9	500.0	671.94511	50.0	523014.0	1.34389	Y



Calibration / 4-Bromofluorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

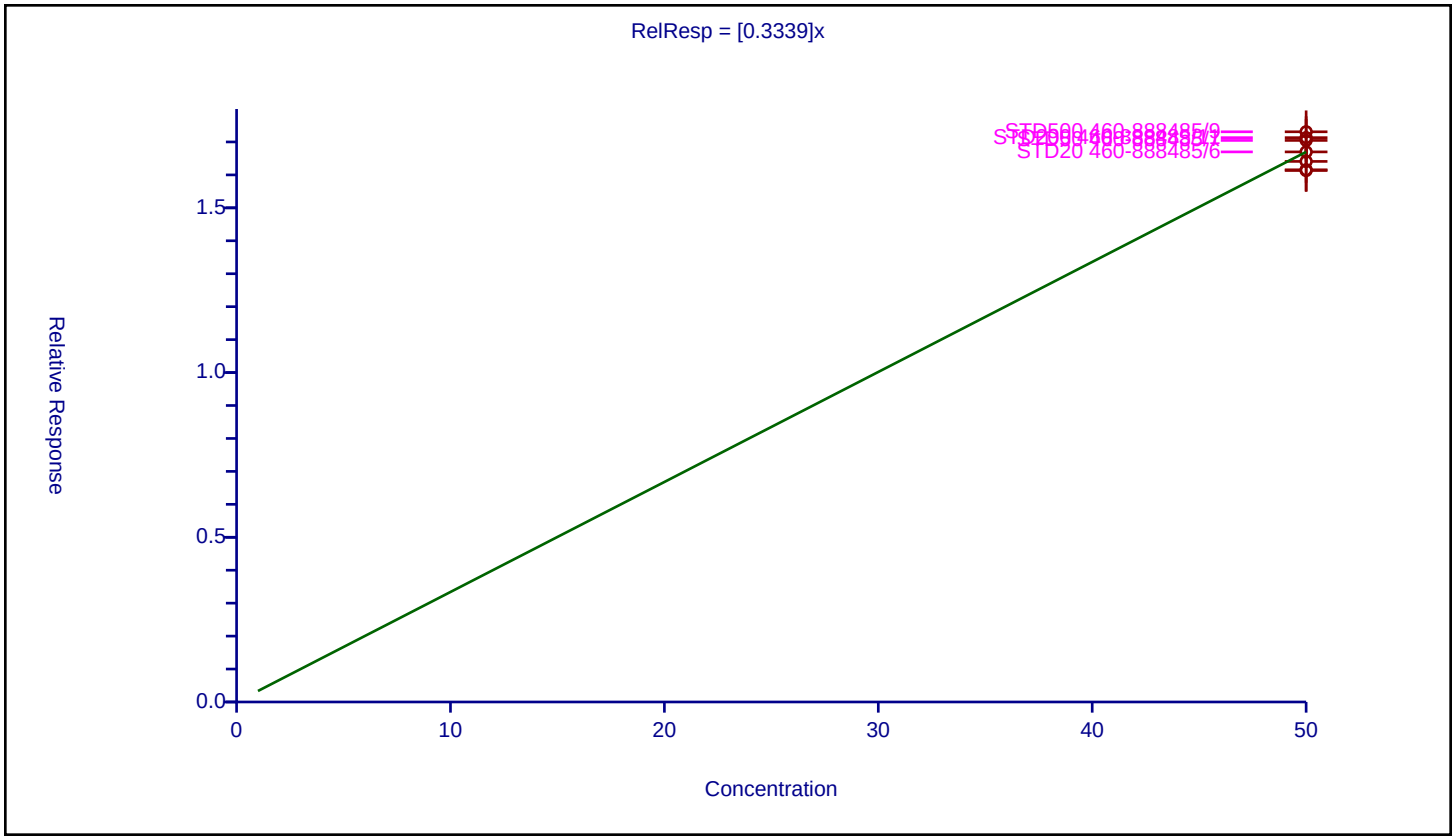
Curve Coefficients

Intercept:	0
Slope:	0.3339

Error Coefficients

Standard Error:	160000
Relative Standard Error:	2.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	50.0	16.40943	50.0	372743.0	0.328189	Y
2	STD1 460-888485/4	50.0	16.133338	50.0	434941.0	0.322667	Y
3	STD5 460-888485/5	50.0	16.155301	50.0	419432.0	0.323106	Y
4	STD20 460-888485/6	50.0	16.698075	50.0	412305.0	0.333962	Y
5	STD50 460-888485/7	50.0	17.046323	50.0	418624.0	0.340926	Y
6	STD500 460-888485/9	50.0	17.308619	50.0	523014.0	0.346172	Y
7	STD200 460-888485/11	50.0	17.130579	50.0	495891.0	0.342612	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

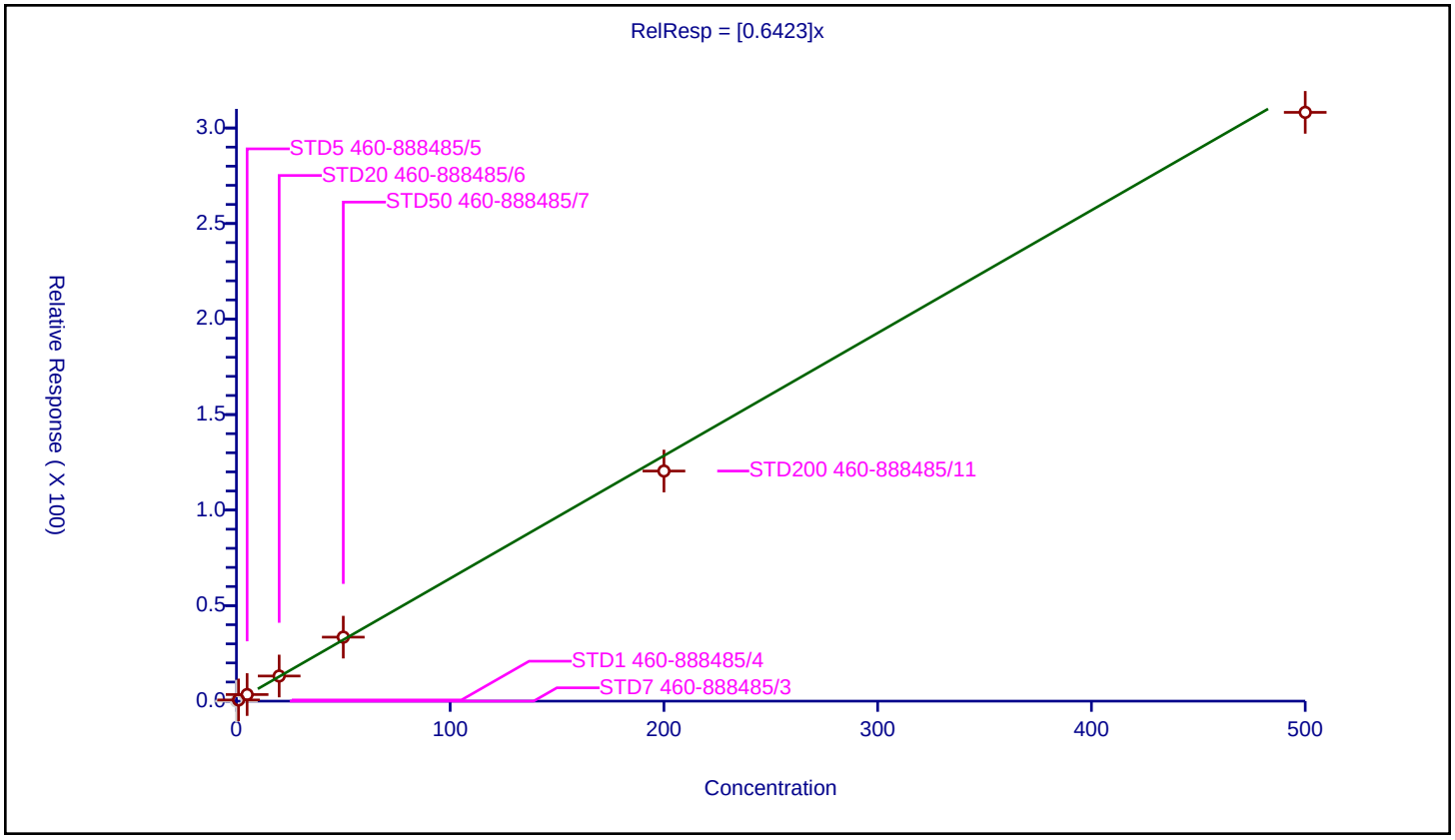
Curve Coefficients

Intercept:	0
Slope:	0.6423

Error Coefficients

Standard Error:	925000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.619097	50.0	232920.0	0.619097	Y
3	STD5 460-888485/5	5.0	3.444	50.0	224579.0	0.6888	Y
4	STD20 460-888485/6	20.0	13.146898	50.0	229016.0	0.657345	Y
5	STD50 460-888485/7	50.0	33.498626	50.0	232820.0	0.669973	Y
6	STD200 460-888485/11	200.0	120.443342	50.0	285423.0	0.602217	Y
7	STD500 460-888485/9	500.0	308.192219	50.0	315287.0	0.616384	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

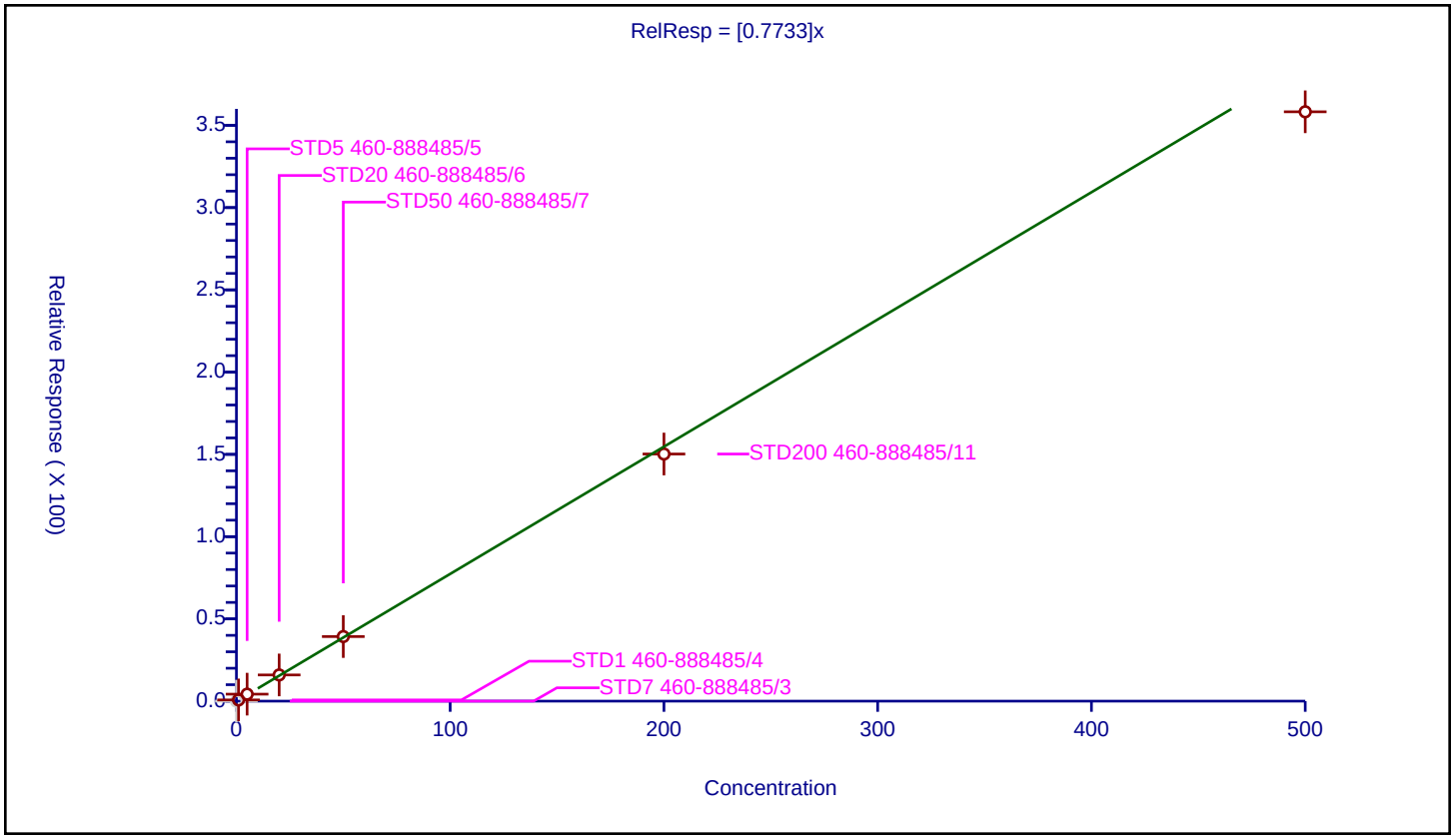
Curve Coefficients

Intercept:	0
Slope:	0.7733

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.741242	50.0	232920.0	0.741242	Y
3	STD5 460-888485/5	5.0	4.249729	50.0	224579.0	0.849946	Y
4	STD20 460-888485/6	20.0	15.924215	50.0	229016.0	0.796211	Y
5	STD50 460-888485/7	50.0	39.251568	50.0	232820.0	0.785031	Y
6	STD200 460-888485/11	200.0	150.220024	50.0	285423.0	0.7511	Y
7	STD500 460-888485/9	500.0	358.240746	50.0	315287.0	0.716481	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

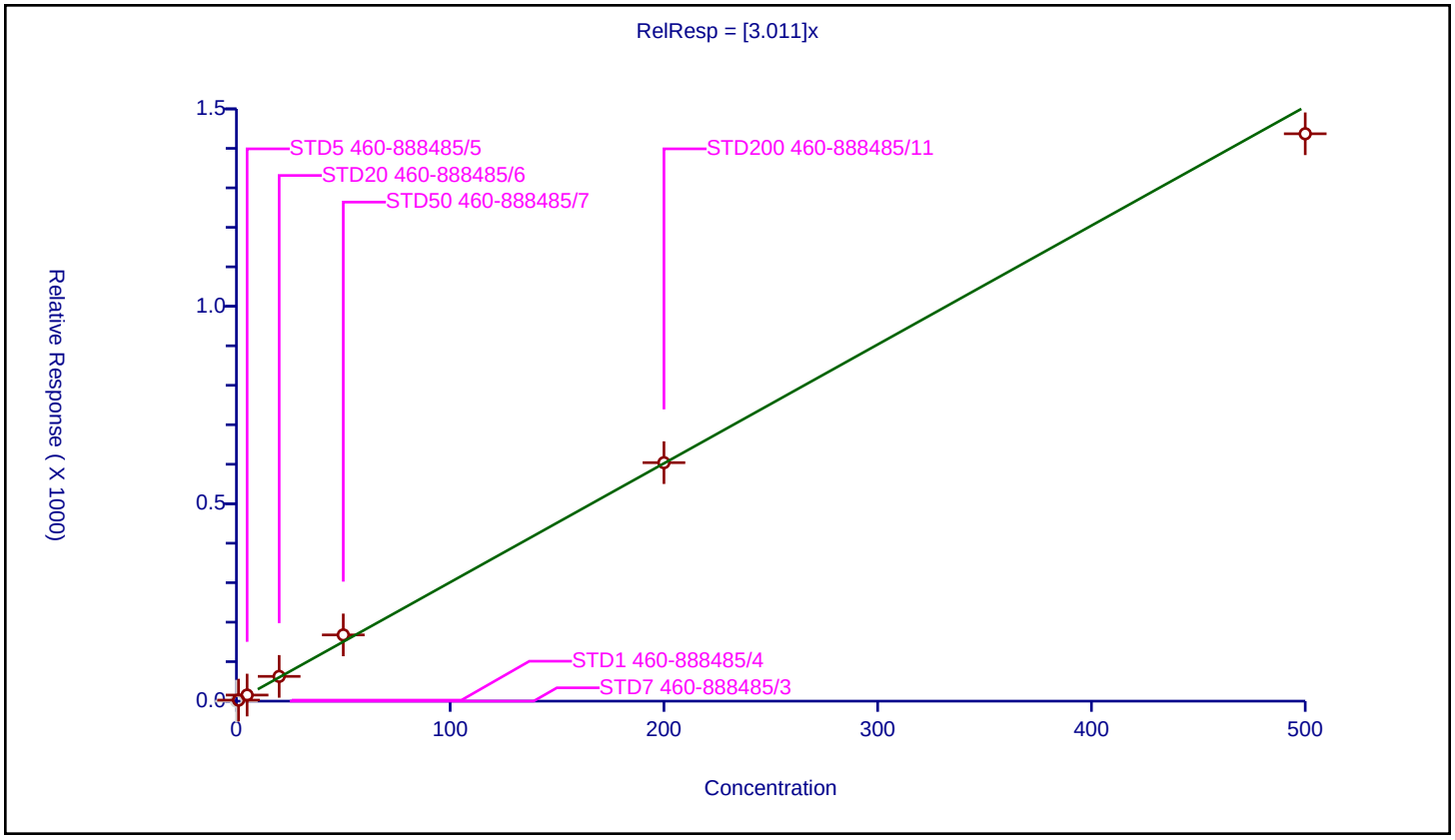
Curve Coefficients

Intercept:	0
Slope:	3.011

Error Coefficients

Standard Error:	4350000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	2.592521	50.0	232920.0	2.592521	Y
3	STD5 460-888485/5	5.0	15.445344	50.0	224579.0	3.089069	Y
4	STD20 460-888485/6	20.0	62.712431	50.0	229016.0	3.135622	Y
5	STD50 460-888485/7	50.0	167.723563	50.0	232820.0	3.354471	Y
6	STD200 460-888485/11	200.0	604.00651	50.0	285423.0	3.020033	Y
7	STD500 460-888485/9	500.0	1437.008503	50.0	315287.0	2.874017	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

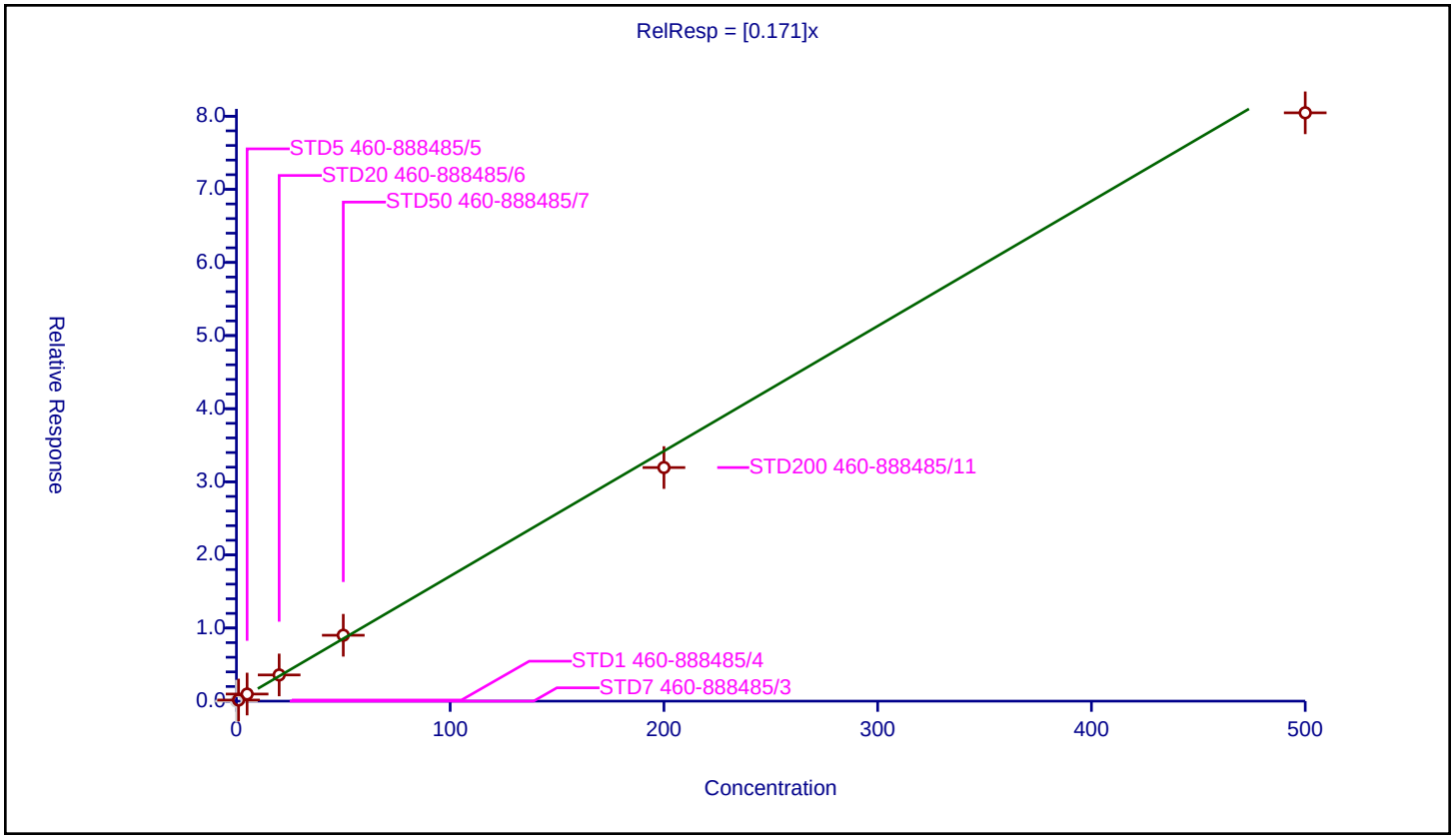
Curve Coefficients

Intercept:	0
Slope:	0.171

Error Coefficients

Standard Error:	242000
Relative Standard Error:	9.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.151769	50.0	232920.0	0.151769	Y
3	STD5 460-888485/5	5.0	0.970705	50.0	224579.0	0.194141	Y
4	STD20 460-888485/6	20.0	3.584029	50.0	229016.0	0.179201	Y
5	STD50 460-888485/7	50.0	9.01018	50.0	232820.0	0.180204	Y
6	STD200 460-888485/11	200.0	31.947671	50.0	285423.0	0.159738	Y
7	STD500 460-888485/9	500.0	80.464624	50.0	315287.0	0.160929	Y



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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

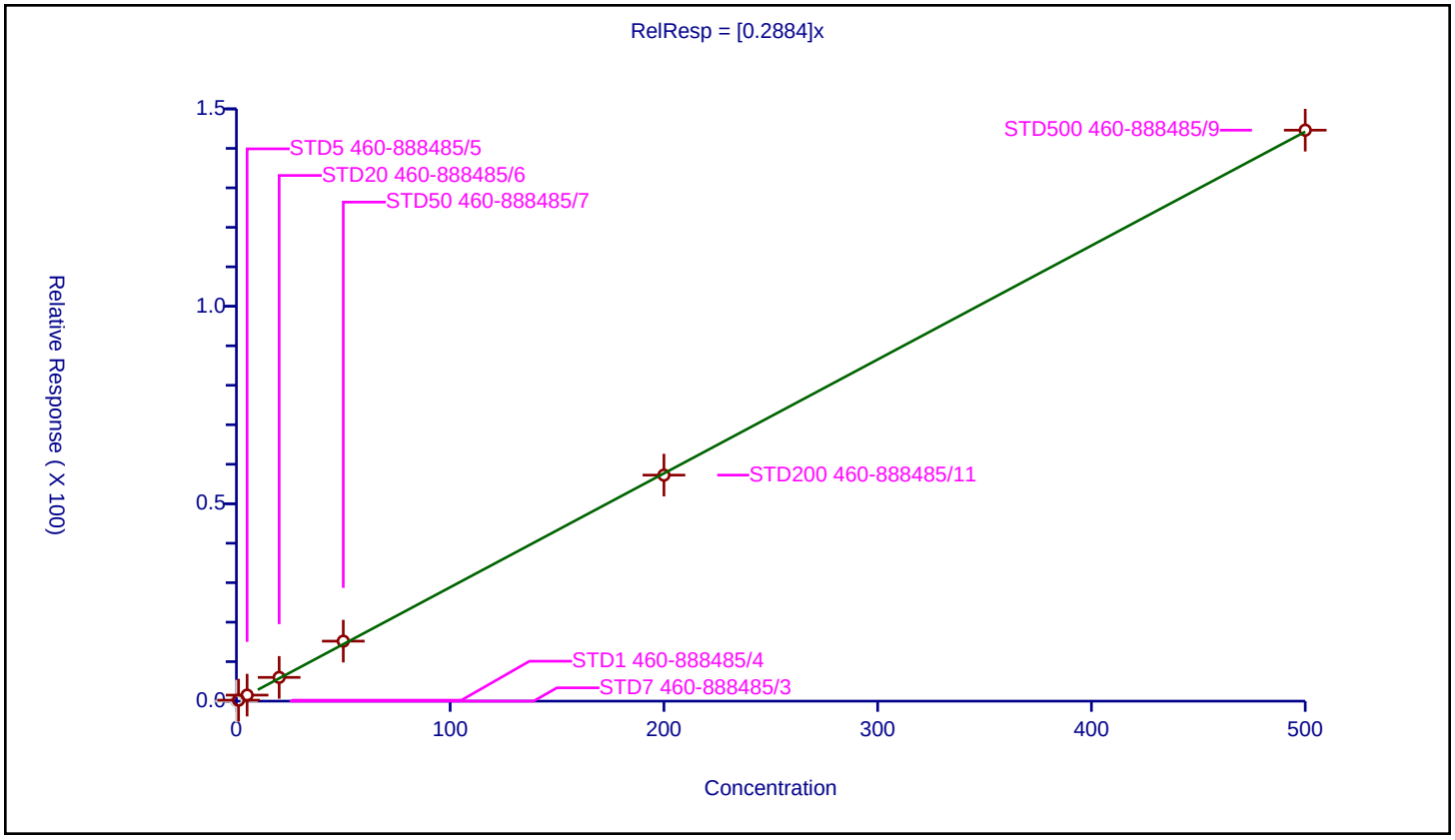
Curve Coefficients

Intercept:	0
Slope:	0.2884

Error Coefficients

Standard Error:	434000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.244719	50.0	232920.0	0.244719	Y
3	STD5 460-888485/5	5.0	1.529306	50.0	224579.0	0.305861	Y
4	STD20 460-888485/6	20.0	6.013554	50.0	229016.0	0.300678	Y
5	STD50 460-888485/7	50.0	15.193927	50.0	232820.0	0.303879	Y
6	STD200 460-888485/11	200.0	57.248014	50.0	285423.0	0.28624	Y
7	STD500 460-888485/9	500.0	144.608563	50.0	315287.0	0.289217	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

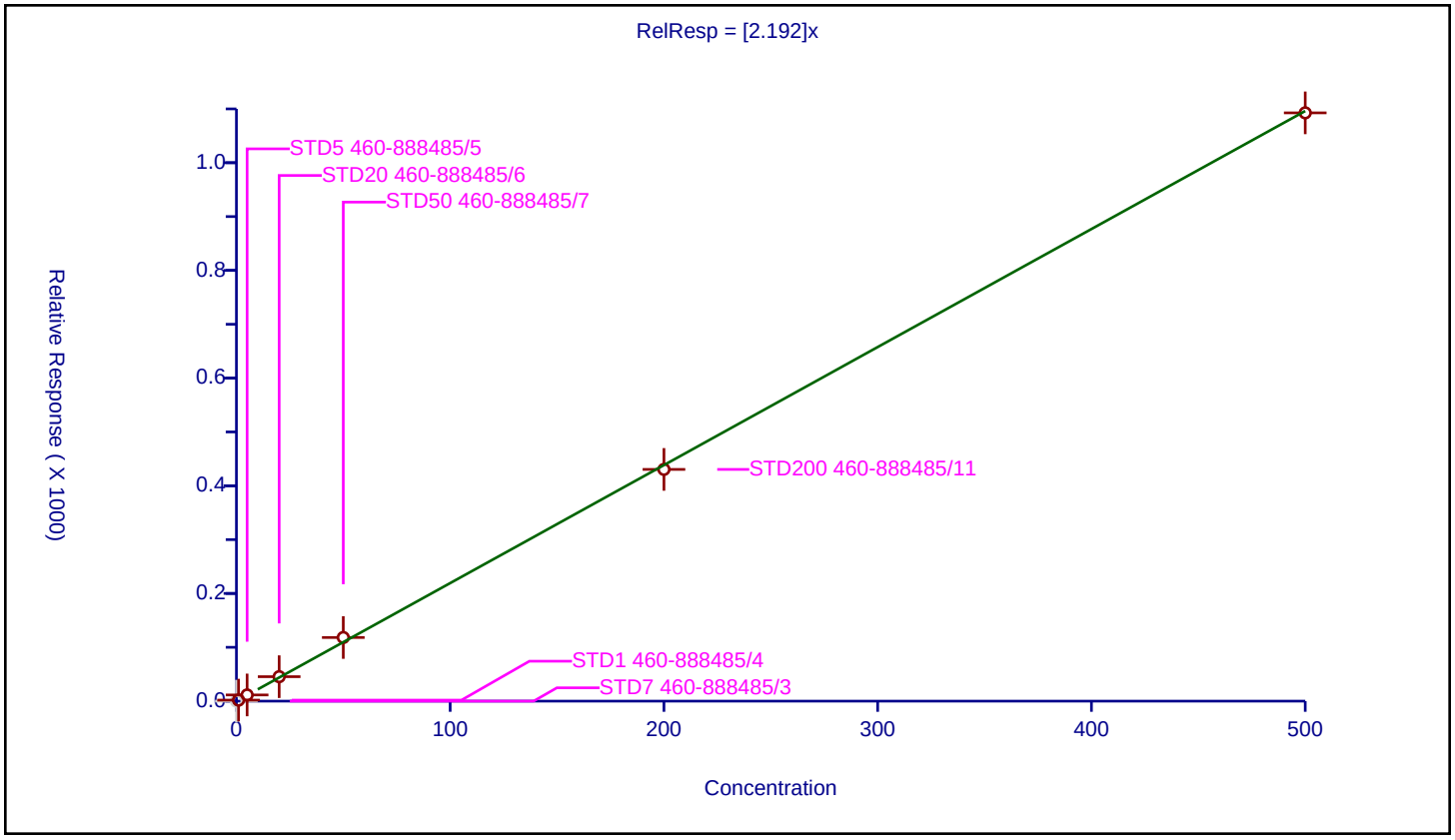
Curve Coefficients

Intercept:	0
Slope:	2.192

Error Coefficients

Standard Error:	3280000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.880045	50.0	232920.0	1.880045	Y
3	STD5 460-888485/5	5.0	11.502189	50.0	224579.0	2.300438	Y
4	STD20 460-888485/6	20.0	45.421936	50.0	229016.0	2.271097	Y
5	STD50 460-888485/7	50.0	118.193884	50.0	232820.0	2.363878	Y
6	STD200 460-888485/11	200.0	430.418712	50.0	285423.0	2.152094	Y
7	STD500 460-888485/9	500.0	1092.623546	50.0	315287.0	2.185247	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

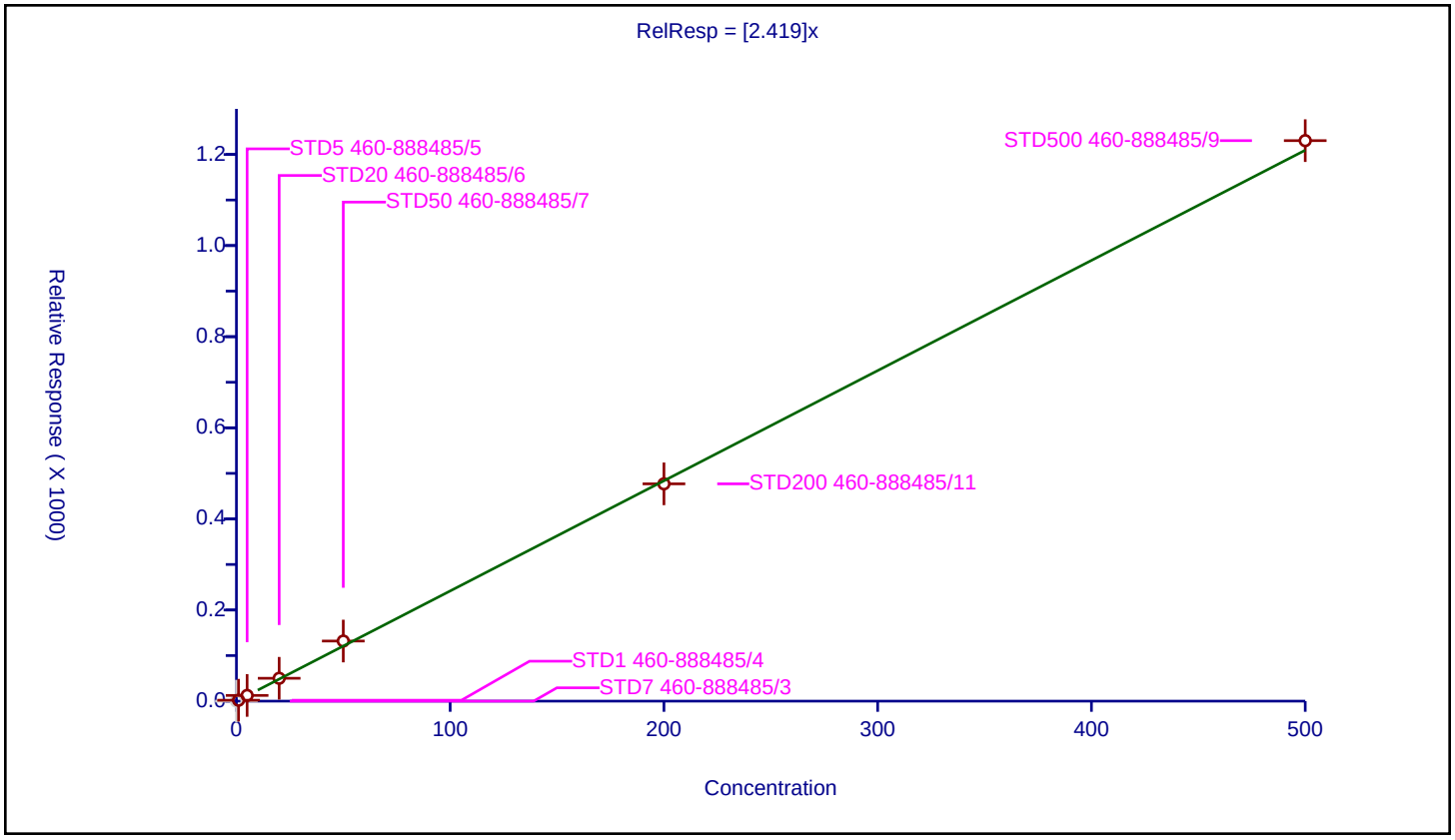
Curve Coefficients

Intercept:	0
Slope:	2.419

Error Coefficients

Standard Error:	3690000
Relative Standard Error:	8.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	2.012064	50.0	232920.0	2.012064	Y
3	STD5 460-888485/5	5.0	12.53167	50.0	224579.0	2.506334	Y
4	STD20 460-888485/6	20.0	50.182957	50.0	229016.0	2.509148	Y
5	STD50 460-888485/7	50.0	131.923804	50.0	232820.0	2.638476	Y
6	STD200 460-888485/11	200.0	476.950876	50.0	285423.0	2.384754	Y
7	STD500 460-888485/9	500.0	1230.340769	50.0	315287.0	2.460682	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

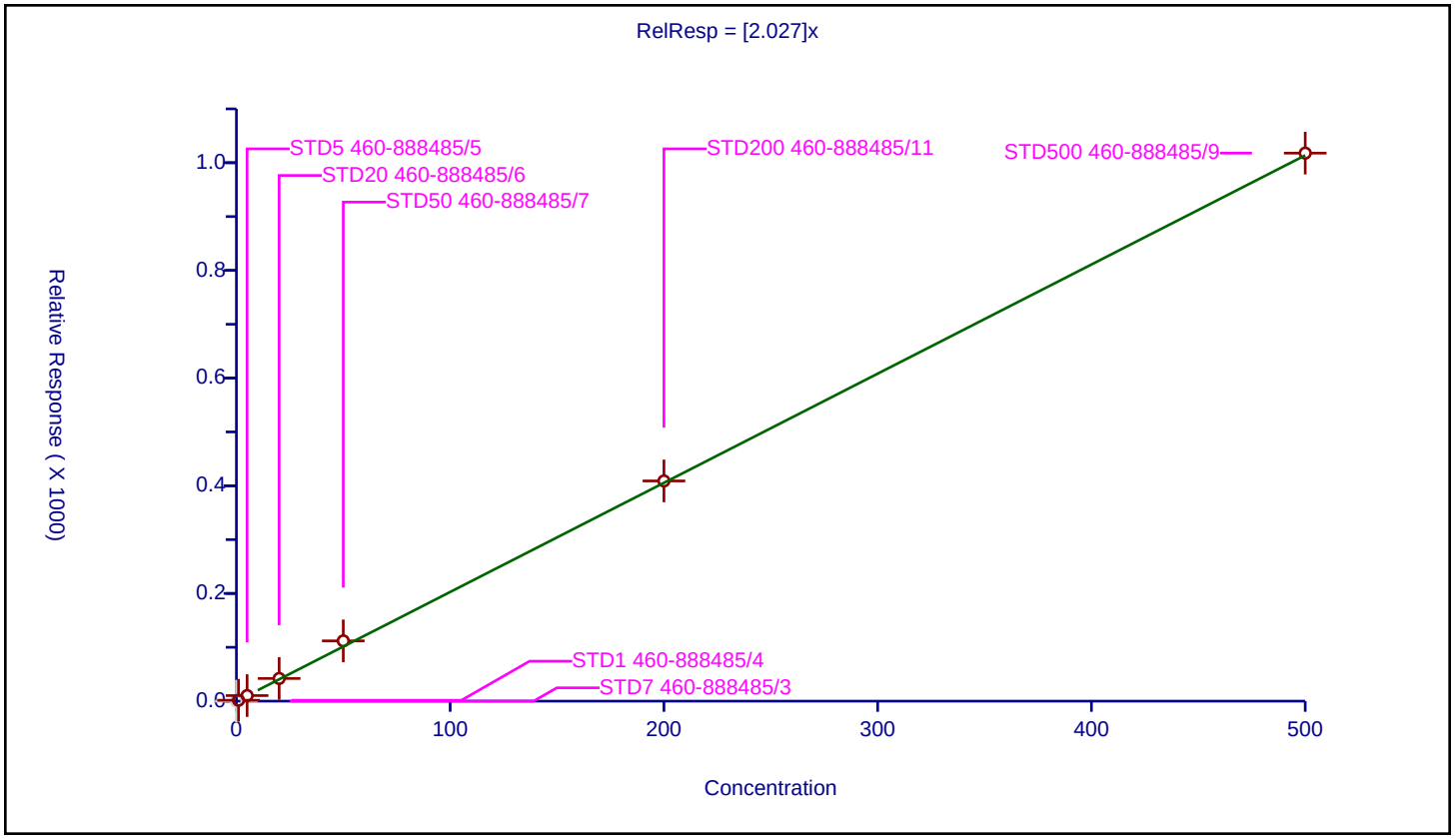
Curve Coefficients

Intercept:	0
Slope:	2.027

Error Coefficients

Standard Error:	3060000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.675683	50.0	232920.0	1.675683	Y
3	STD5 460-888485/5	5.0	10.322648	50.0	224579.0	2.06453	Y
4	STD20 460-888485/6	20.0	42.111687	50.0	229016.0	2.105584	Y
5	STD50 460-888485/7	50.0	111.908126	50.0	232820.0	2.238163	Y
6	STD200 460-888485/11	200.0	408.960911	50.0	285423.0	2.044805	Y
7	STD500 460-888485/9	500.0	1017.832959	50.0	315287.0	2.035666	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

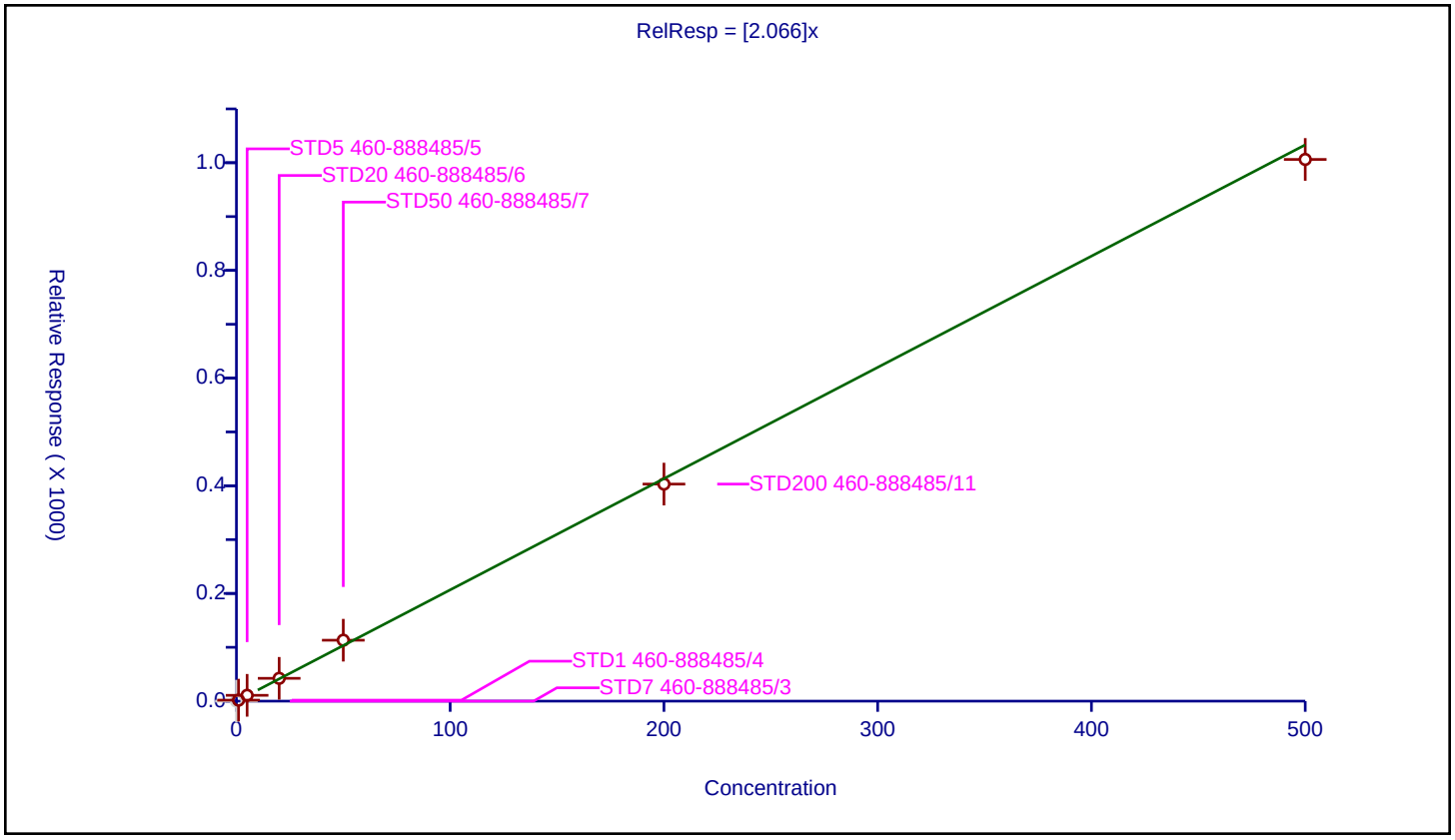
Curve Coefficients

Intercept:	0
Slope:	2.066

Error Coefficients

Standard Error:	3030000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.831315	50.0	232920.0	1.831315	Y
3	STD5 460-888485/5	5.0	10.792193	50.0	224579.0	2.158439	Y
4	STD20 460-888485/6	20.0	42.349661	50.0	229016.0	2.117483	Y
5	STD50 460-888485/7	50.0	113.153724	50.0	232820.0	2.263074	Y
6	STD200 460-888485/11	200.0	403.158996	50.0	285423.0	2.015795	Y
7	STD500 460-888485/9	500.0	1006.100949	50.0	315287.0	2.012202	Y



Calibration / Butyl Methacrylate

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

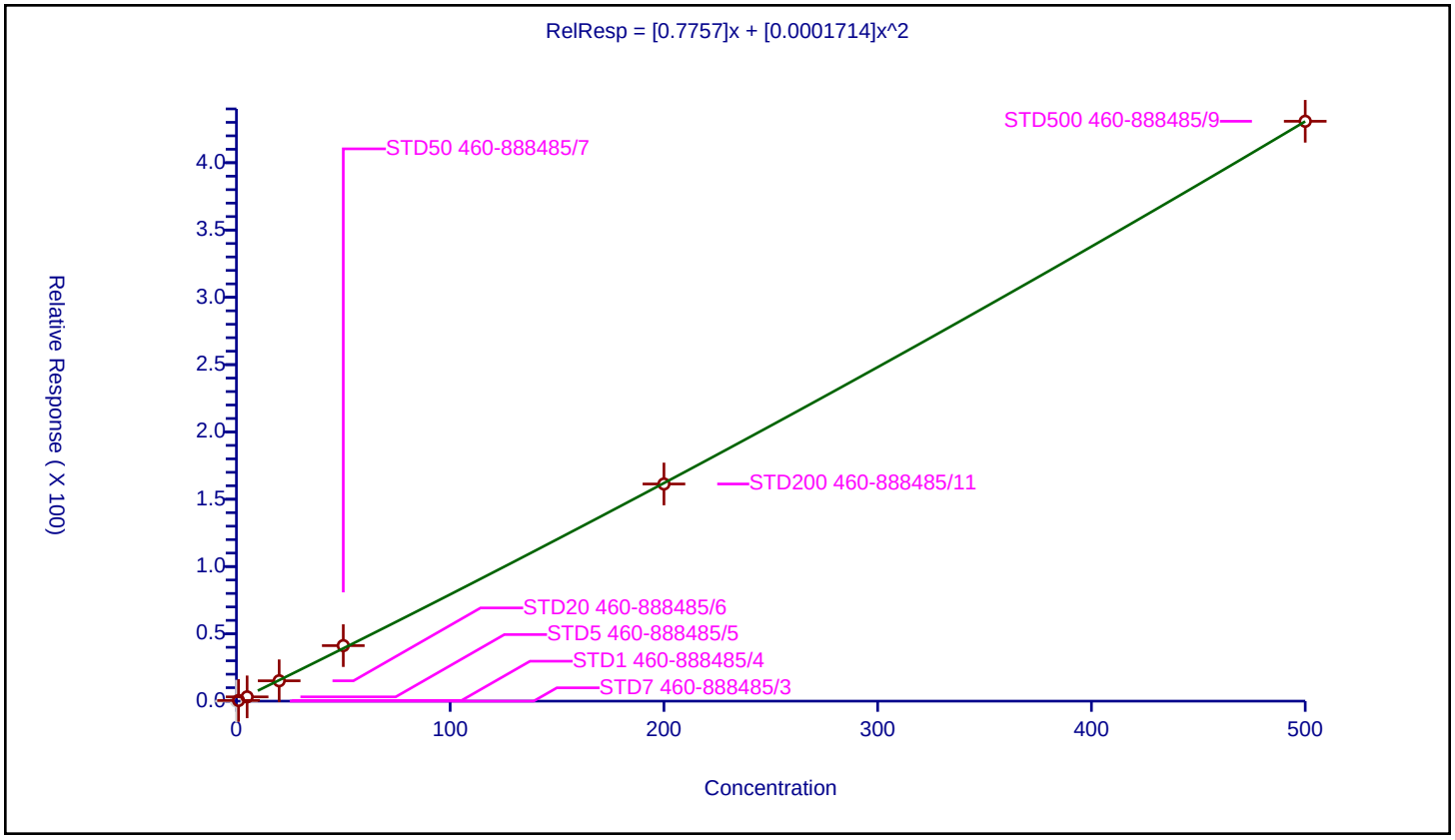
Curve Coefficients

Intercept:	0
Slope:	0.7757
Second Order:	0.0001714

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	21.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.476344	50.0	232920.0	0.476344	Y
3	STD5 460-888485/5	5.0	3.171712	50.0	224579.0	0.634342	Y
4	STD20 460-888485/6	20.0	15.127982	50.0	229016.0	0.756399	Y
5	STD50 460-888485/7	50.0	41.250107	50.0	232820.0	0.825002	Y
6	STD200 460-888485/11	200.0	161.340712	50.0	285423.0	0.806704	Y
7	STD500 460-888485/9	500.0	430.792262	50.0	315287.0	0.861585	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

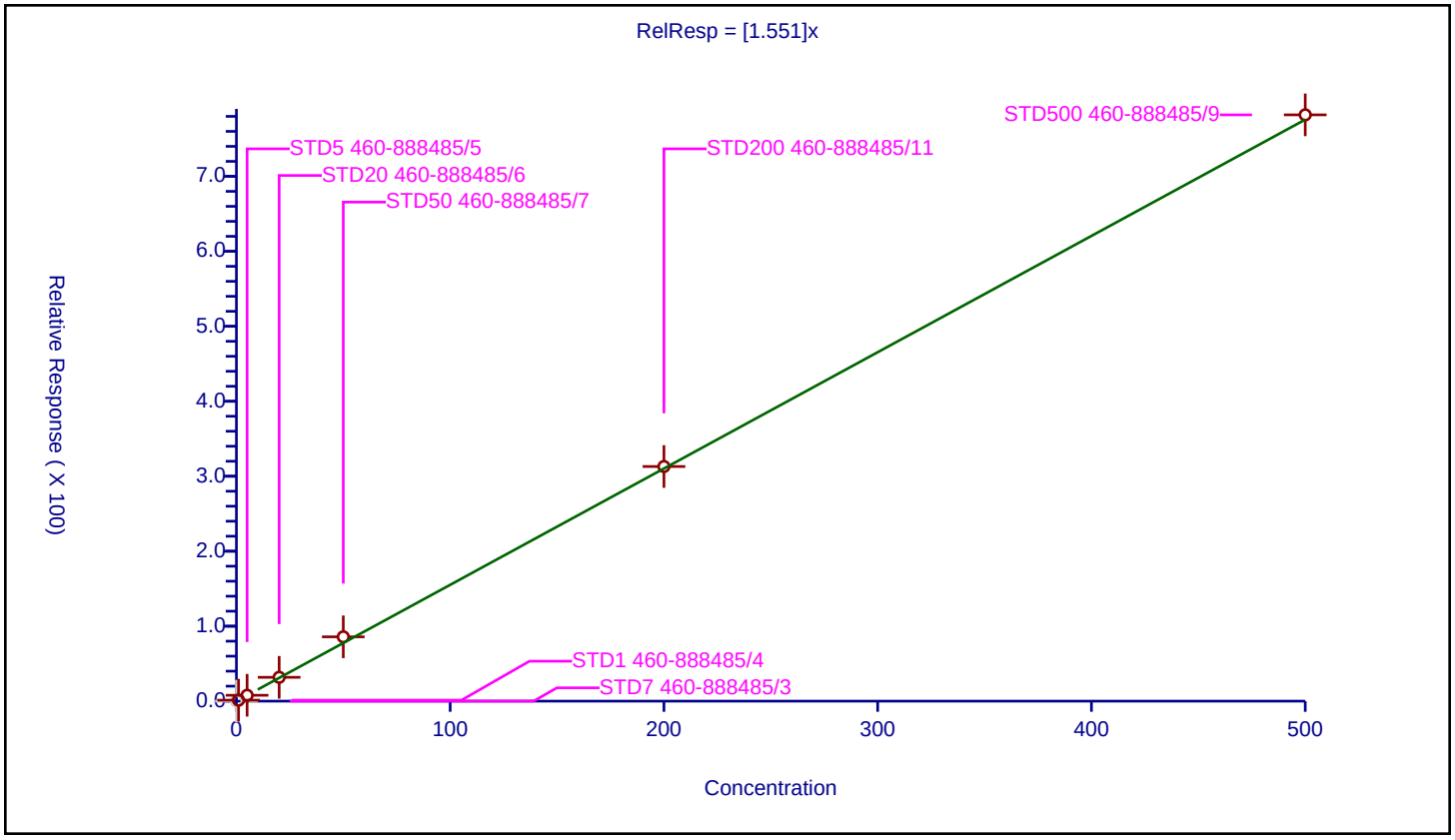
Curve Coefficients

Intercept:	0
Slope:	1.551

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.31075	50.0	232920.0	1.31075	Y
3	STD5 460-888485/5	5.0	7.820856	50.0	224579.0	1.564171	Y
4	STD20 460-888485/6	20.0	31.783805	50.0	229016.0	1.58919	Y
5	STD50 460-888485/7	50.0	85.774418	50.0	232820.0	1.715488	Y
6	STD200 460-888485/11	200.0	312.959187	50.0	285423.0	1.564796	Y
7	STD500 460-888485/9	500.0	782.032878	50.0	315287.0	1.564066	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

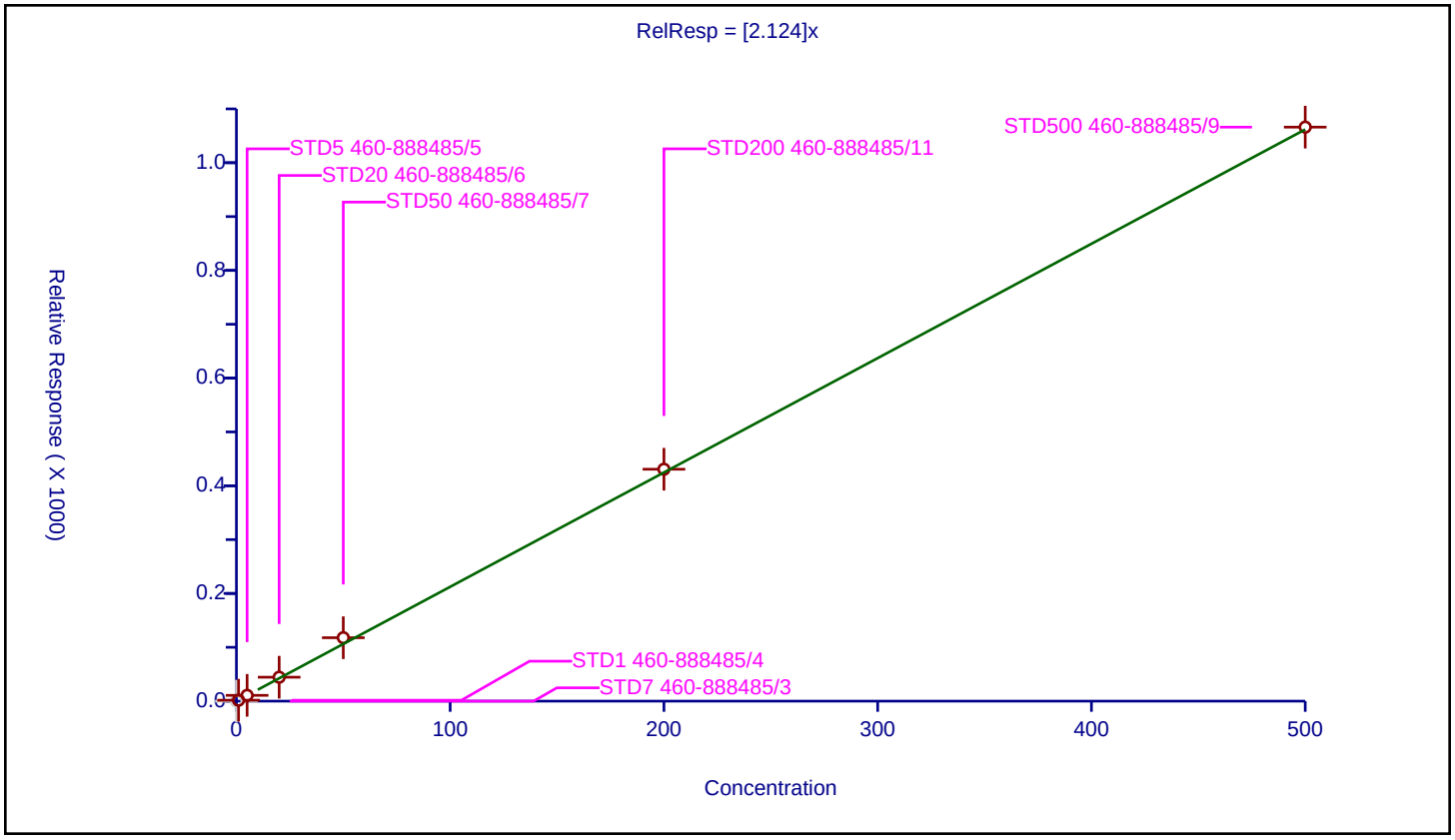
Curve Coefficients

Intercept:	0
Slope:	2.124

Error Coefficients

Standard Error:	3210000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.722694	50.0	232920.0	1.722694	Y
3	STD5 460-888485/5	5.0	10.771933	50.0	224579.0	2.154387	Y
4	STD20 460-888485/6	20.0	44.44755	50.0	229016.0	2.222377	Y
5	STD50 460-888485/7	50.0	117.830298	50.0	232820.0	2.356606	Y
6	STD200 460-888485/11	200.0	430.73561	50.0	285423.0	2.153678	Y
7	STD500 460-888485/9	500.0	1066.106595	50.0	315287.0	2.132213	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

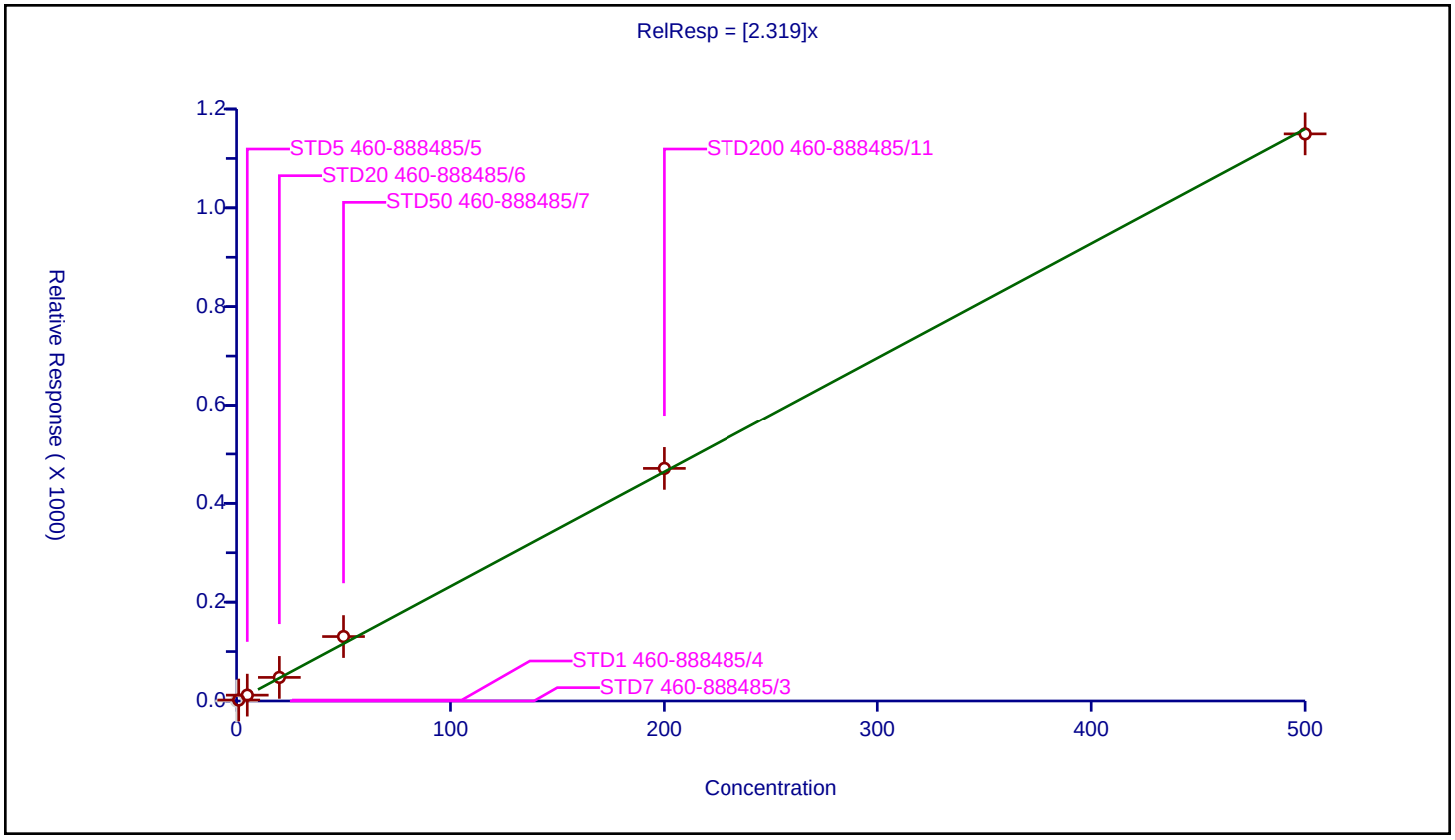
Curve Coefficients

Intercept:	0
Slope:	2.319

Error Coefficients

Standard Error:	3470000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.900867	50.0	232920.0	1.900867	Y
3	STD5 460-888485/5	5.0	11.834366	50.0	224579.0	2.366873	Y
4	STD20 460-888485/6	20.0	47.739459	50.0	229016.0	2.386973	Y
5	STD50 460-888485/7	50.0	130.418993	50.0	232820.0	2.60838	Y
6	STD200 460-888485/11	200.0	470.716445	50.0	285423.0	2.353582	Y
7	STD500 460-888485/9	500.0	1149.726123	50.0	315287.0	2.299452	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

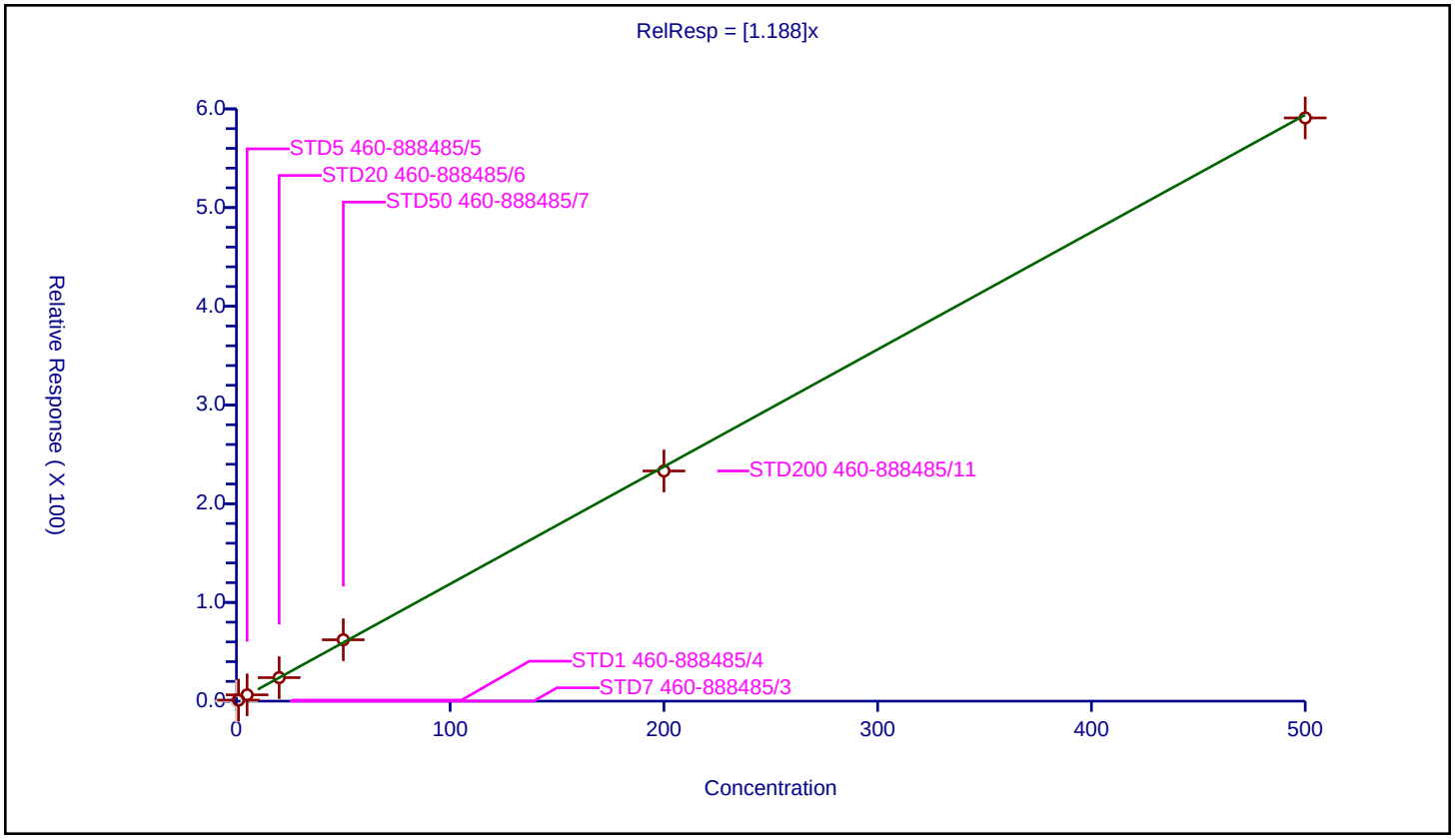
Curve Coefficients

Intercept:	0
Slope:	1.188

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.068178	50.0	232920.0	1.068178	Y
3	STD5 460-888485/5	5.0	6.382164	50.0	224579.0	1.276433	Y
4	STD20 460-888485/6	20.0	23.815585	50.0	229016.0	1.190779	Y
5	STD50 460-888485/7	50.0	62.175715	50.0	232820.0	1.243514	Y
6	STD200 460-888485/11	200.0	233.176373	50.0	285423.0	1.165882	Y
7	STD500 460-888485/9	500.0	590.863721	50.0	315287.0	1.181727	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

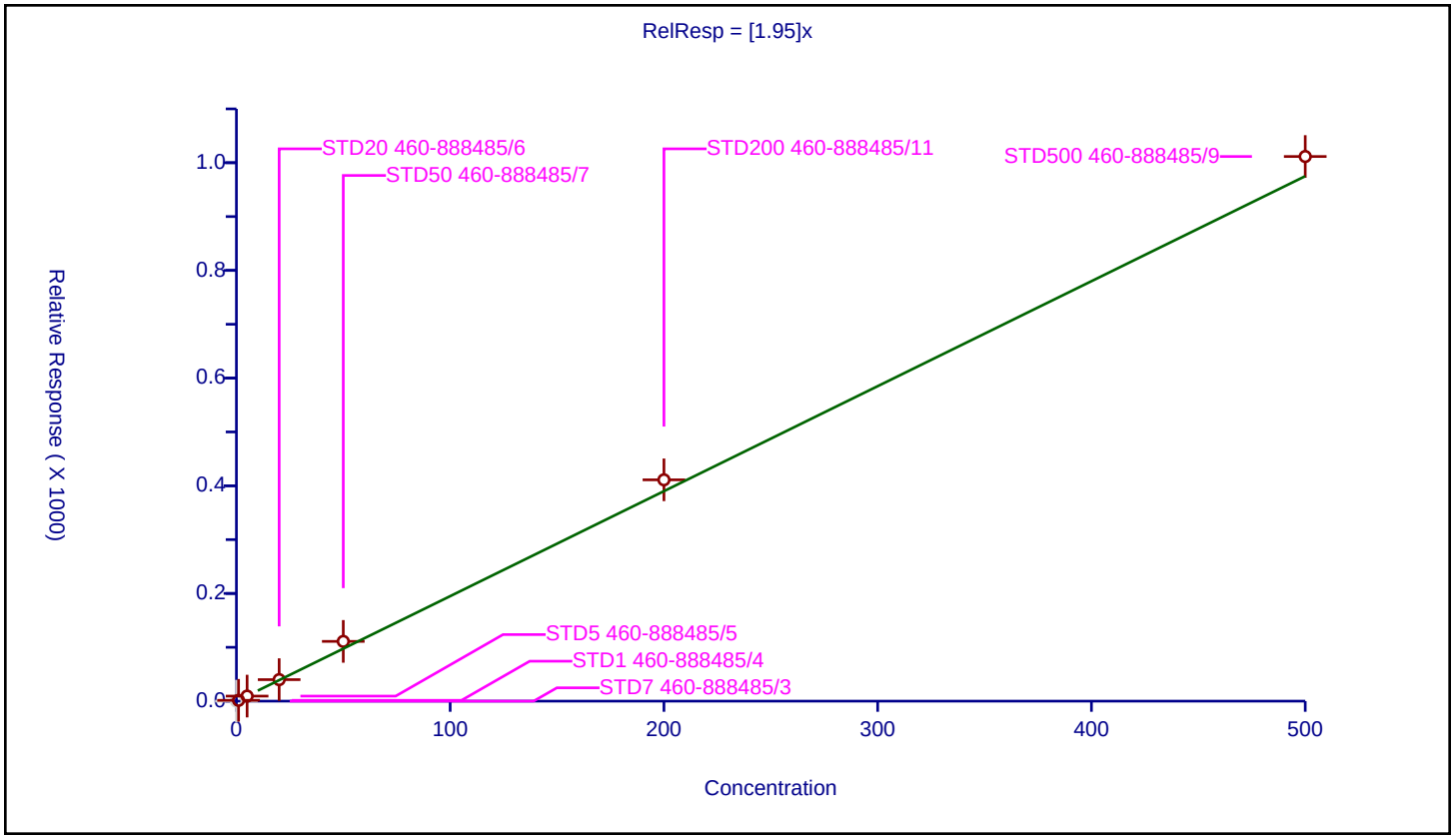
Curve Coefficients

Intercept:	0
Slope:	1.95

Error Coefficients

Standard Error:	3050000
Relative Standard Error:	12.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.528207	50.0	232920.0	1.528207	Y
3	STD5 460-888485/5	5.0	9.384671	50.0	224579.0	1.876934	Y
4	STD20 460-888485/6	20.0	39.943497	50.0	229016.0	1.997175	Y
5	STD50 460-888485/7	50.0	110.965123	50.0	232820.0	2.219302	Y
6	STD200 460-888485/11	200.0	411.05412	50.0	285423.0	2.055271	Y
7	STD500 460-888485/9	500.0	1011.544085	50.0	315287.0	2.023088	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

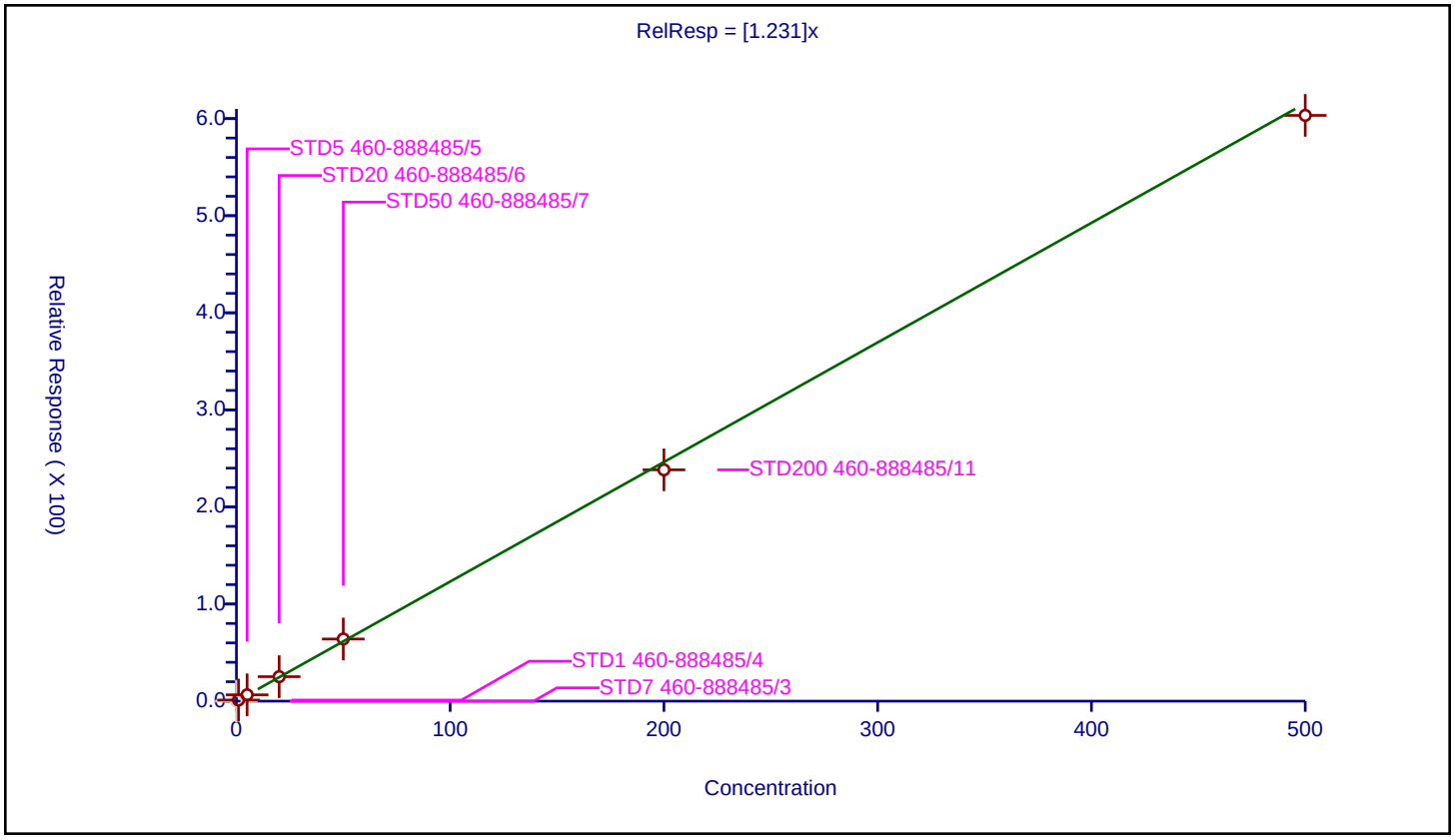
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.148678	50.0	232920.0	1.148678	Y
3	STD5 460-888485/5	5.0	6.508845	50.0	224579.0	1.301769	Y
4	STD20 460-888485/6	20.0	25.204353	50.0	229016.0	1.260218	Y
5	STD50 460-888485/7	50.0	64.012327	50.0	232820.0	1.280247	Y
6	STD200 460-888485/11	200.0	238.228874	50.0	285423.0	1.191144	Y
7	STD500 460-888485/9	500.0	603.311269	50.0	315287.0	1.206623	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

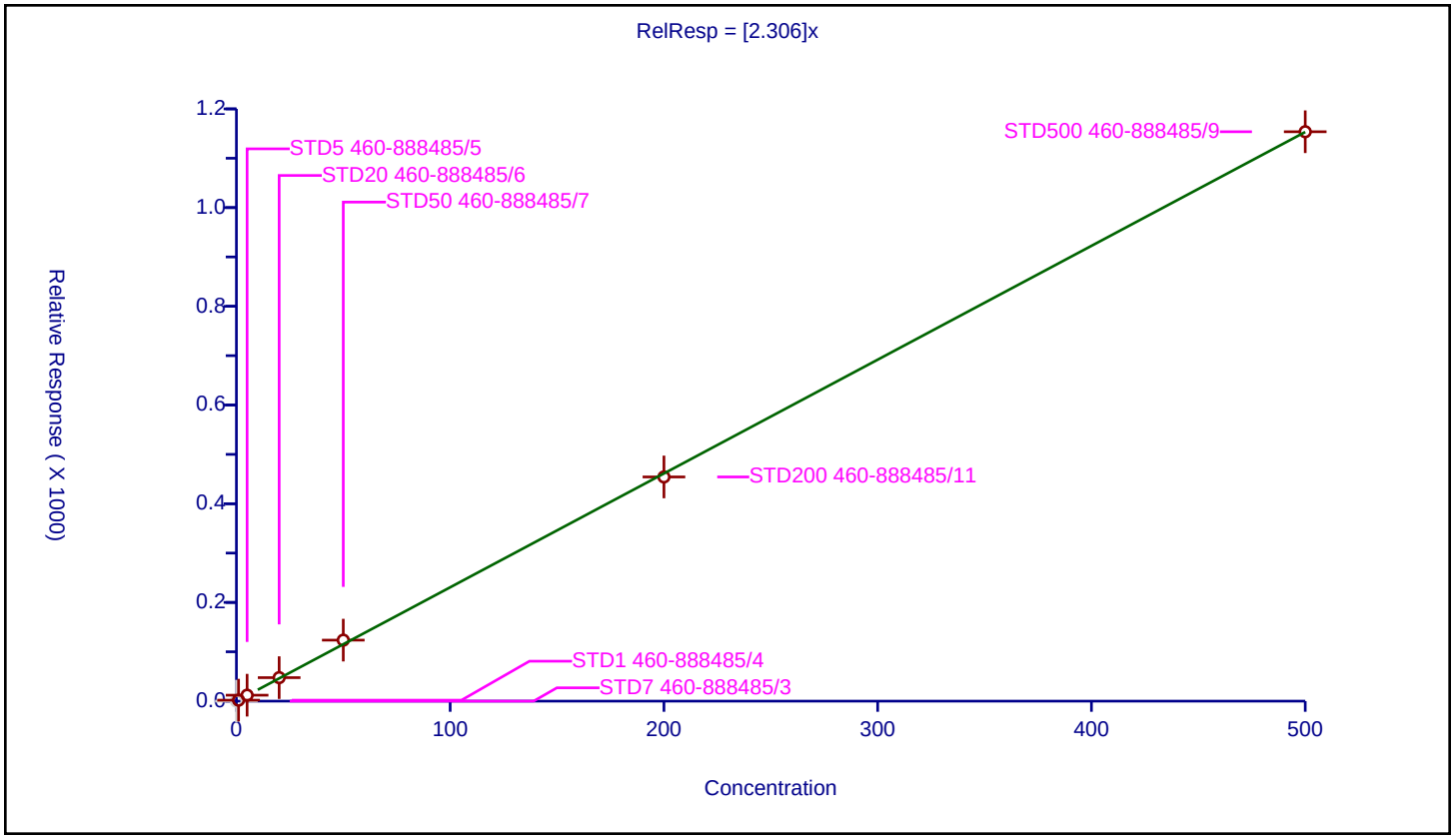
Curve Coefficients

Intercept:	0
Slope:	2.306

Error Coefficients

Standard Error:	3460000
Relative Standard Error:	7.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.993603	50.0	232920.0	1.993603	Y
3	STD5 460-888485/5	5.0	12.067914	50.0	224579.0	2.413583	Y
4	STD20 460-888485/6	20.0	47.604753	50.0	229016.0	2.380238	Y
5	STD50 460-888485/7	50.0	123.583455	50.0	232820.0	2.471669	Y
6	STD200 460-888485/11	200.0	454.263321	50.0	285423.0	2.271317	Y
7	STD500 460-888485/9	500.0	1153.672051	50.0	315287.0	2.307344	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

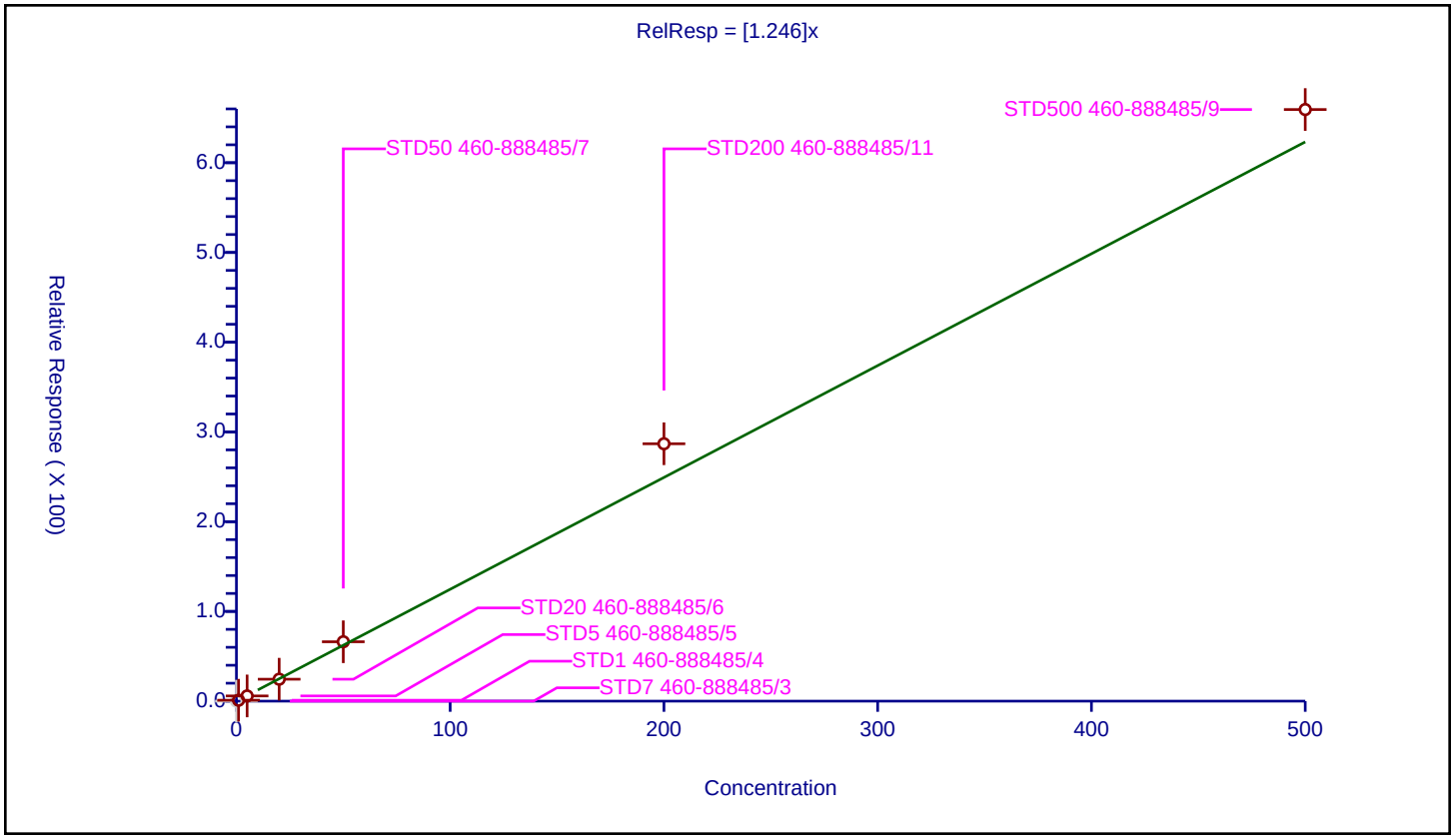
Curve Coefficients

Intercept:	0
Slope:	1.246

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.018805	50.0	232920.0	1.018805	Y
3	STD5 460-888485/5	5.0	5.808869	50.0	224579.0	1.161774	Y
4	STD20 460-888485/6	20.0	24.436284	50.0	229016.0	1.221814	Y
5	STD50 460-888485/7	50.0	66.169573	50.0	232820.0	1.323391	Y
6	STD200 460-888485/11	200.0	286.818862	50.0	285423.0	1.434094	Y
7	STD500 460-888485/9	500.0	659.272821	50.0	315287.0	1.318546	Y



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Calibration / 2,3-Dihydroindene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

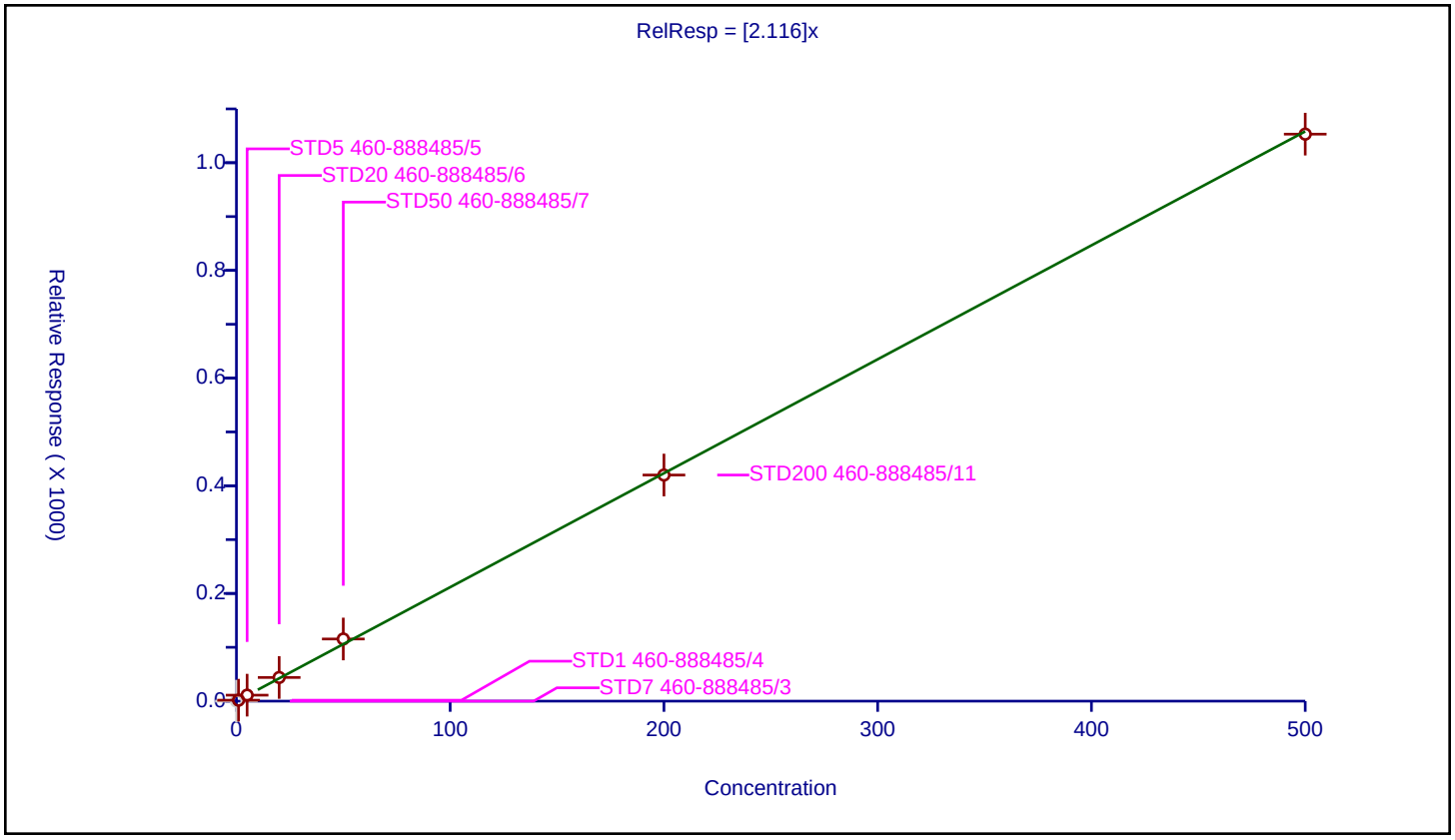
Curve Coefficients

Intercept:	0
Slope:	2.116

Error Coefficients

Standard Error:	3170000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.759617	50.0	232920.0	1.759617	Y
3	STD5 460-888485/5	5.0	11.128155	50.0	224579.0	2.225631	Y
4	STD20 460-888485/6	20.0	43.961776	50.0	229016.0	2.198089	Y
5	STD50 460-888485/7	50.0	115.429087	50.0	232820.0	2.308582	Y
6	STD200 460-888485/11	200.0	419.961075	50.0	285423.0	2.099805	Y
7	STD500 460-888485/9	500.0	1053.097654	50.0	315287.0	2.106195	Y



Calibration / p-Diethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

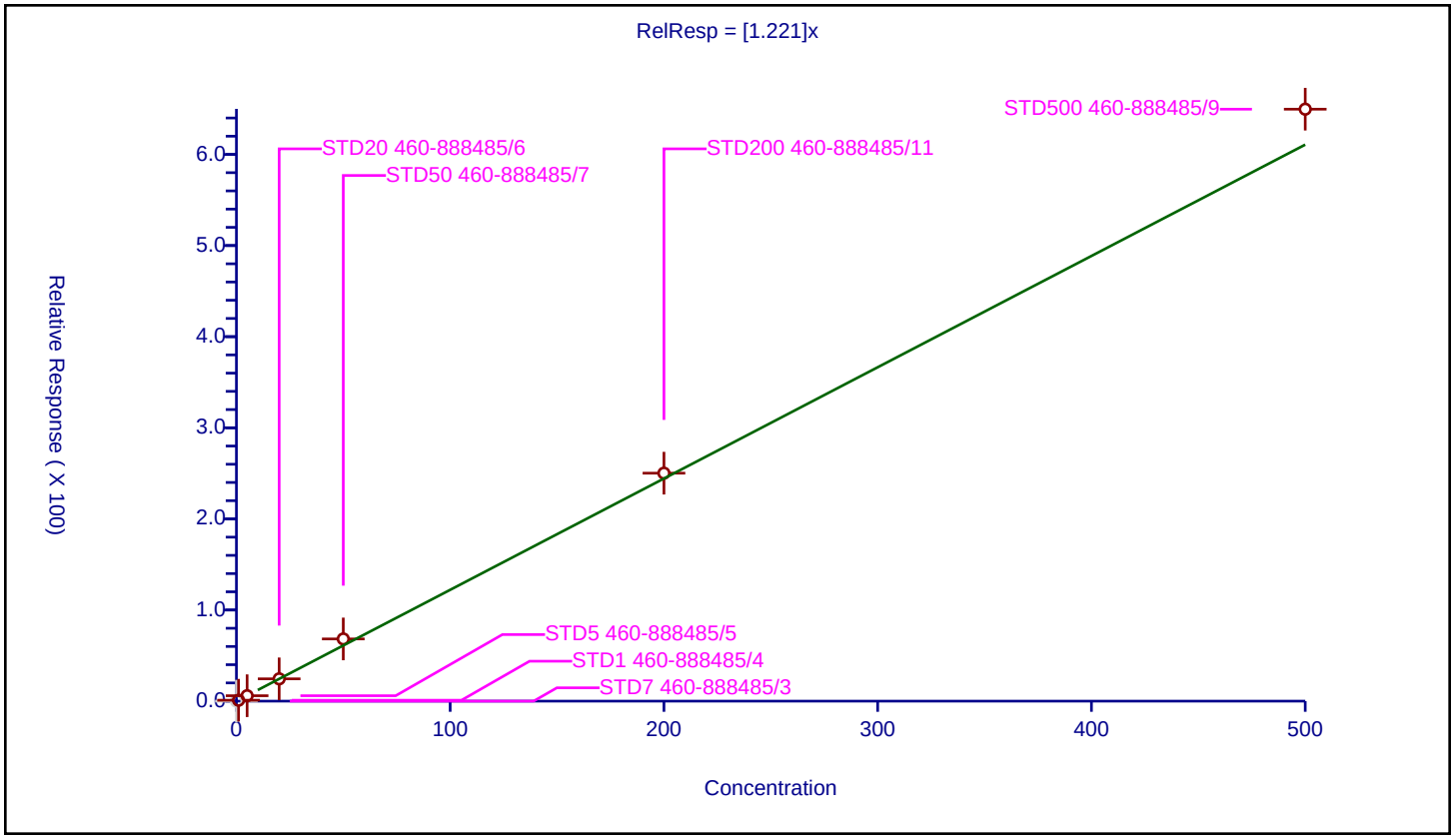
Curve Coefficients

Intercept:	0
Slope:	1.221

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	10.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.001846	50.0	232920.0	1.001846	Y
3	STD5 460-888485/5	5.0	5.936664	50.0	224579.0	1.187333	Y
4	STD20 460-888485/6	20.0	24.479294	50.0	229016.0	1.223965	Y
5	STD50 460-888485/7	50.0	68.265828	50.0	232820.0	1.365317	Y
6	STD200 460-888485/11	200.0	250.208112	50.0	285423.0	1.251041	Y
7	STD500 460-888485/9	500.0	649.671569	50.0	315287.0	1.299343	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

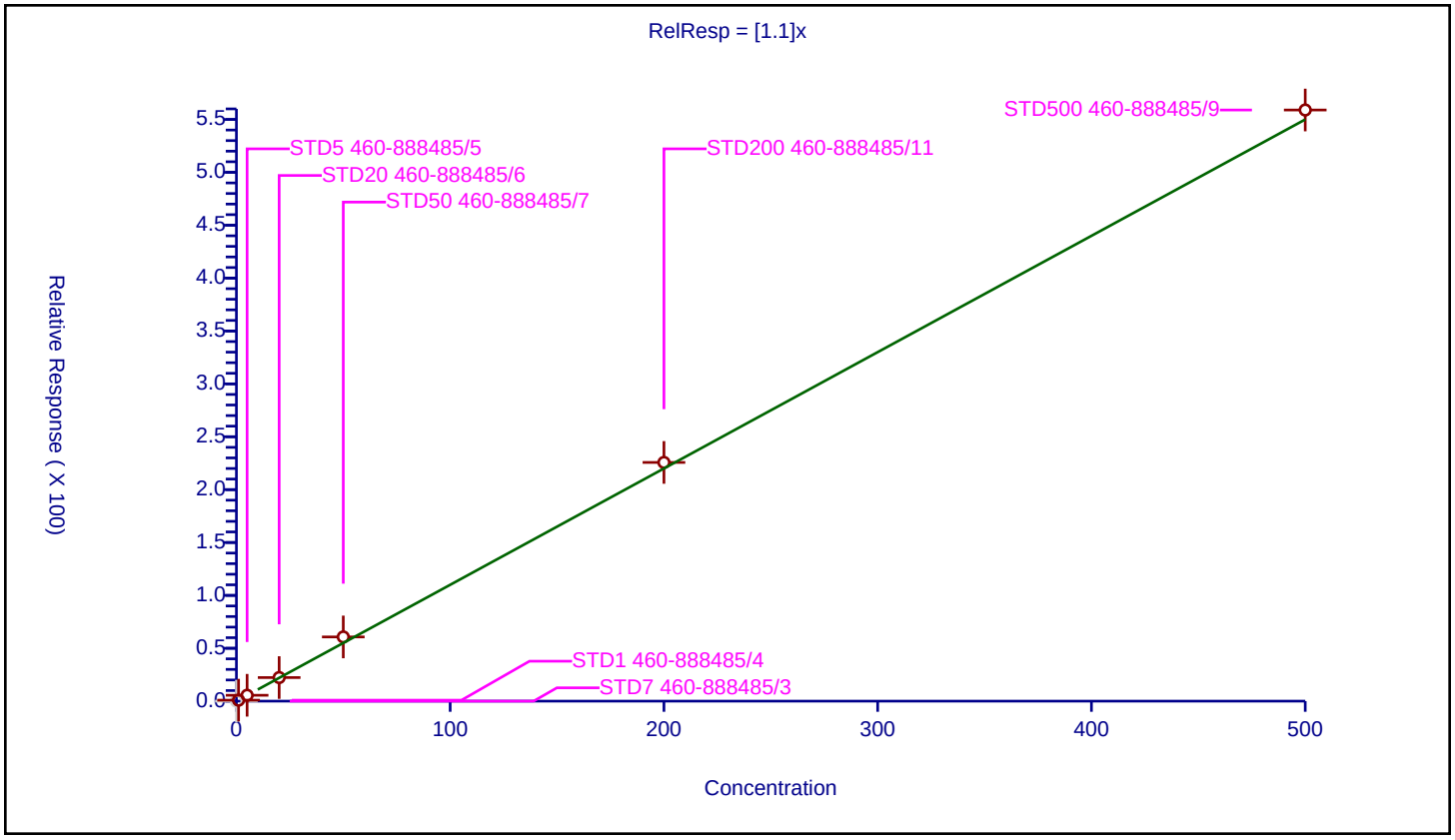
Curve Coefficients

Intercept:	0
Slope:	1.1

Error Coefficients

Standard Error:	1680000
Relative Standard Error:	9.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.915336	50.0	232920.0	0.915336	Y
3	STD5 460-888485/5	5.0	5.542816	50.0	224579.0	1.108563	Y
4	STD20 460-888485/6	20.0	22.305647	50.0	229016.0	1.115282	Y
5	STD50 460-888485/7	50.0	60.699897	50.0	232820.0	1.213998	Y
6	STD200 460-888485/11	200.0	225.720948	50.0	285423.0	1.128605	Y
7	STD500 460-888485/9	500.0	558.945659	50.0	315287.0	1.117891	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

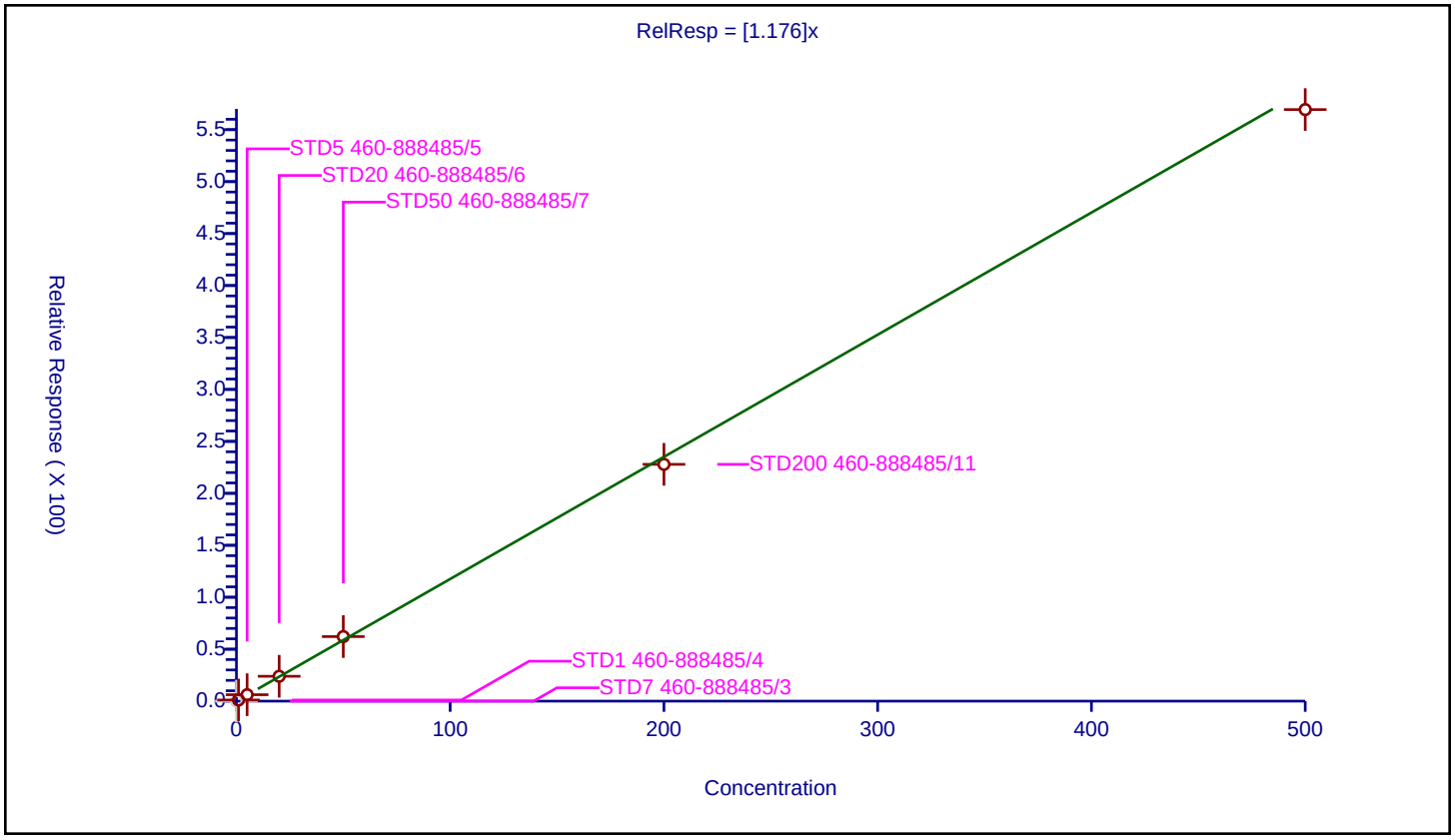
Curve Coefficients

Intercept:	0
Slope:	1.176

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.097587	50.0	232920.0	1.097587	Y
3	STD5 460-888485/5	5.0	6.191363	50.0	224579.0	1.238273	Y
4	STD20 460-888485/6	20.0	23.932171	50.0	229016.0	1.196609	Y
5	STD50 460-888485/7	50.0	62.129972	50.0	232820.0	1.242599	Y
6	STD200 460-888485/11	200.0	227.894038	50.0	285423.0	1.13947	Y
7	STD500 460-888485/9	500.0	569.329056	50.0	315287.0	1.138658	Y



Calibration / 1,2,4,5-Tetramethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

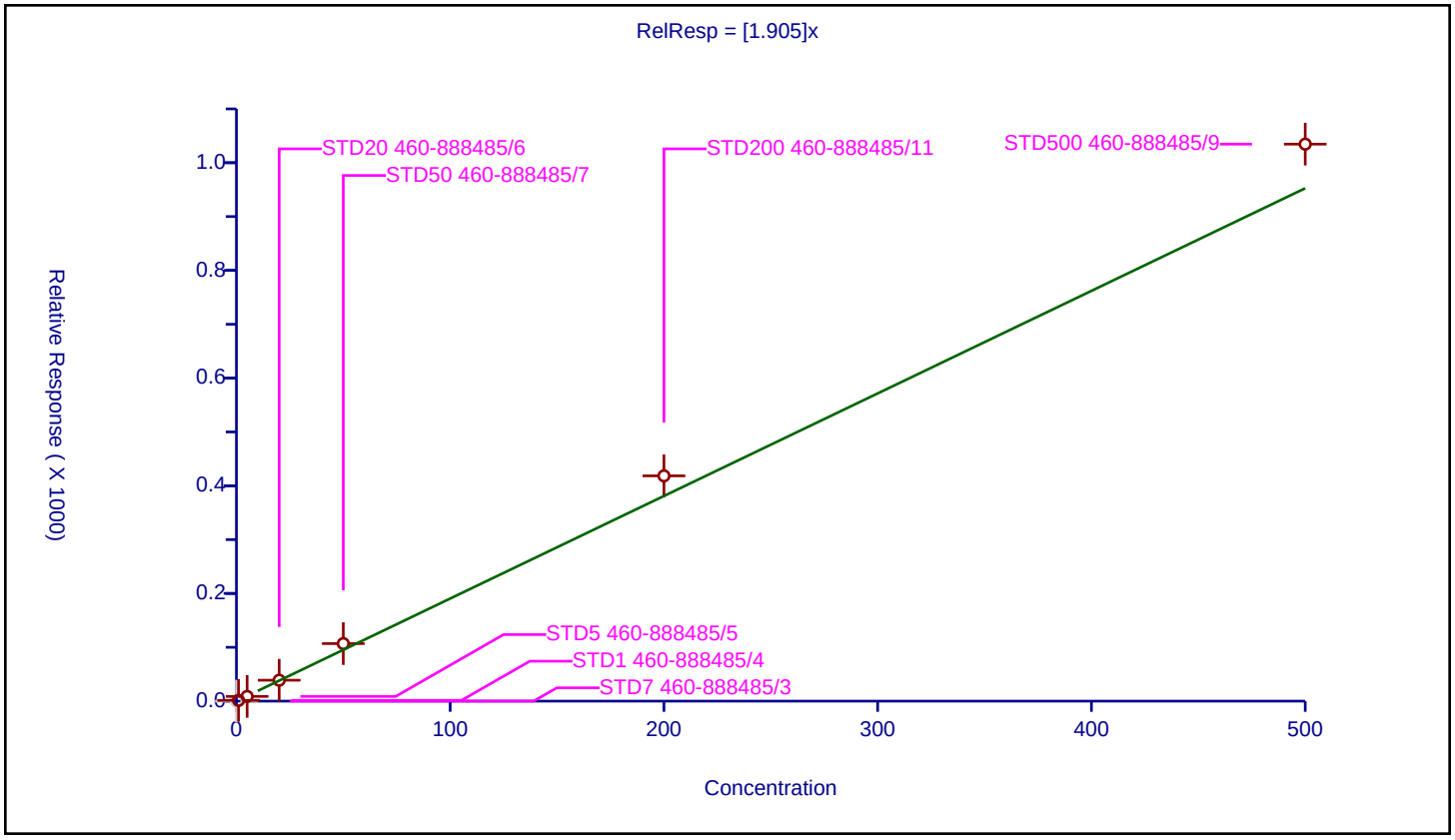
Curve Coefficients

Intercept:	0
Slope:	1.905

Error Coefficients

Standard Error:	3120000
Relative Standard Error:	14.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.432681	50.0	232920.0	1.432681	Y
3	STD5 460-888485/5	5.0	8.789335	50.0	224579.0	1.757867	Y
4	STD20 460-888485/6	20.0	38.837898	50.0	229016.0	1.941895	Y
5	STD50 460-888485/7	50.0	106.851645	50.0	232820.0	2.137033	Y
6	STD200 460-888485/11	200.0	418.435795	50.0	285423.0	2.092179	Y
7	STD500 460-888485/9	500.0	1034.572786	50.0	315287.0	2.069146	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

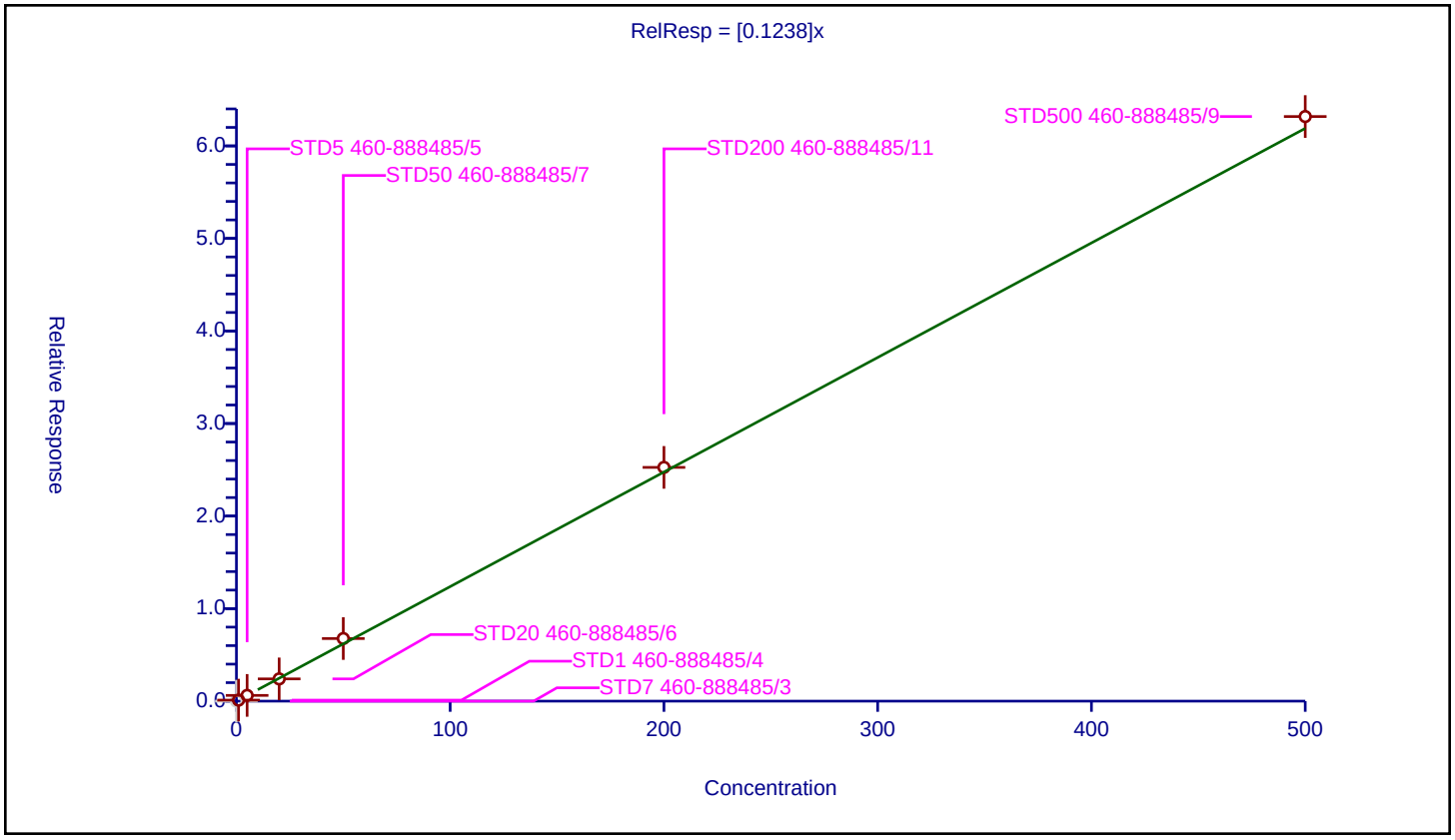
Curve Coefficients

Intercept:	0
Slope:	0.1238

Error Coefficients

Standard Error:	190000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.110338	50.0	232920.0	0.110338	Y
3	STD5 460-888485/5	5.0	0.621162	50.0	224579.0	0.124232	Y
4	STD20 460-888485/6	20.0	2.403544	50.0	229016.0	0.120177	Y
5	STD50 460-888485/7	50.0	6.766386	50.0	232820.0	0.135328	Y
6	STD200 460-888485/11	200.0	25.261279	50.0	285423.0	0.126306	Y
7	STD500 460-888485/9	500.0	63.174029	50.0	315287.0	0.126348	Y



Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

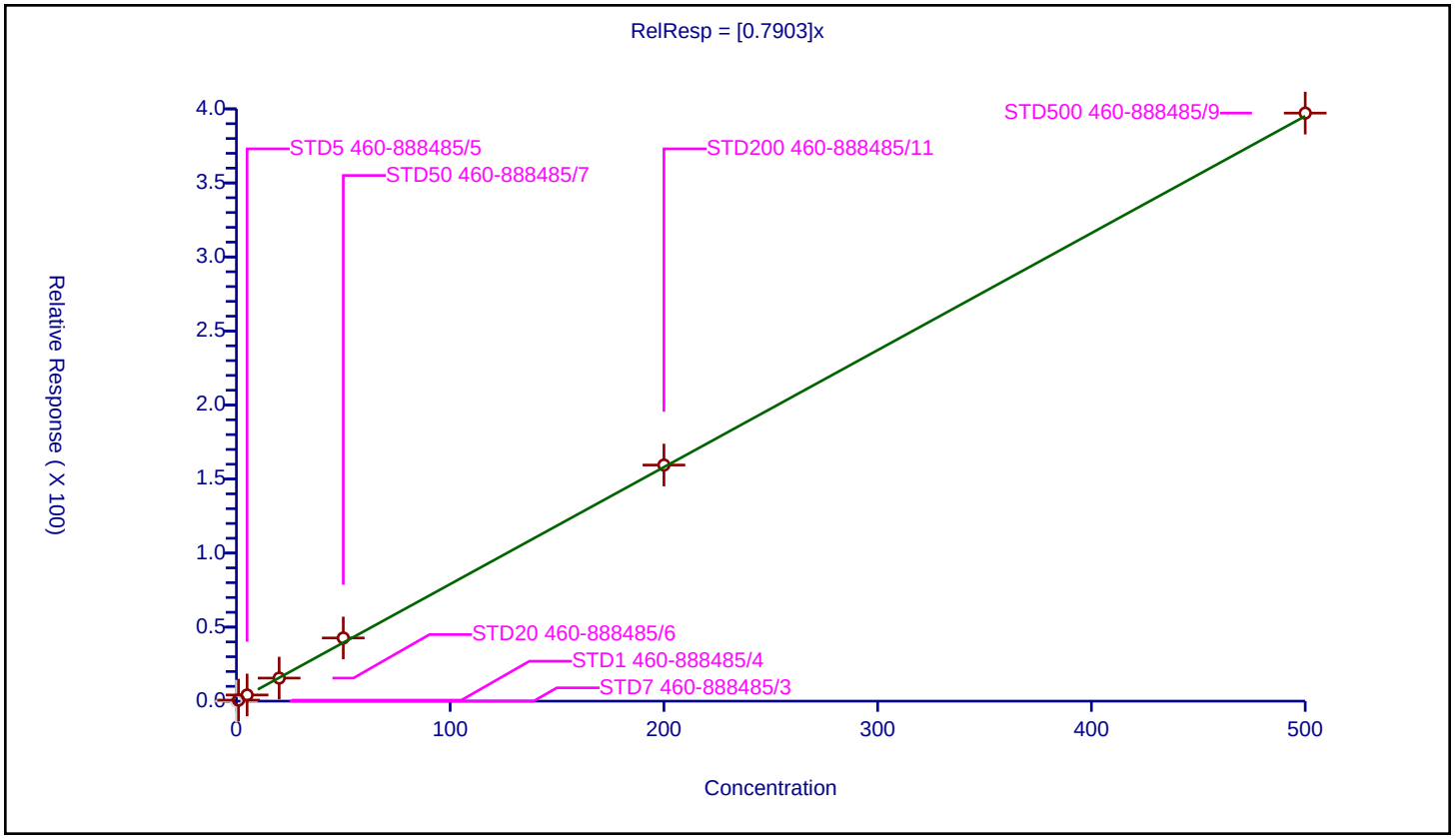
Curve Coefficients

Intercept:	0
Slope:	0.7903

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.68457	50.0	232920.0	0.68457	Y
3	STD5 460-888485/5	5.0	4.168466	50.0	224579.0	0.833693	Y
4	STD20 460-888485/6	20.0	15.569436	50.0	229016.0	0.778472	Y
5	STD50 460-888485/7	50.0	42.661713	50.0	232820.0	0.853234	Y
6	STD200 460-888485/11	200.0	159.46087	50.0	285423.0	0.797304	Y
7	STD500 460-888485/9	500.0	397.153863	50.0	315287.0	0.794308	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

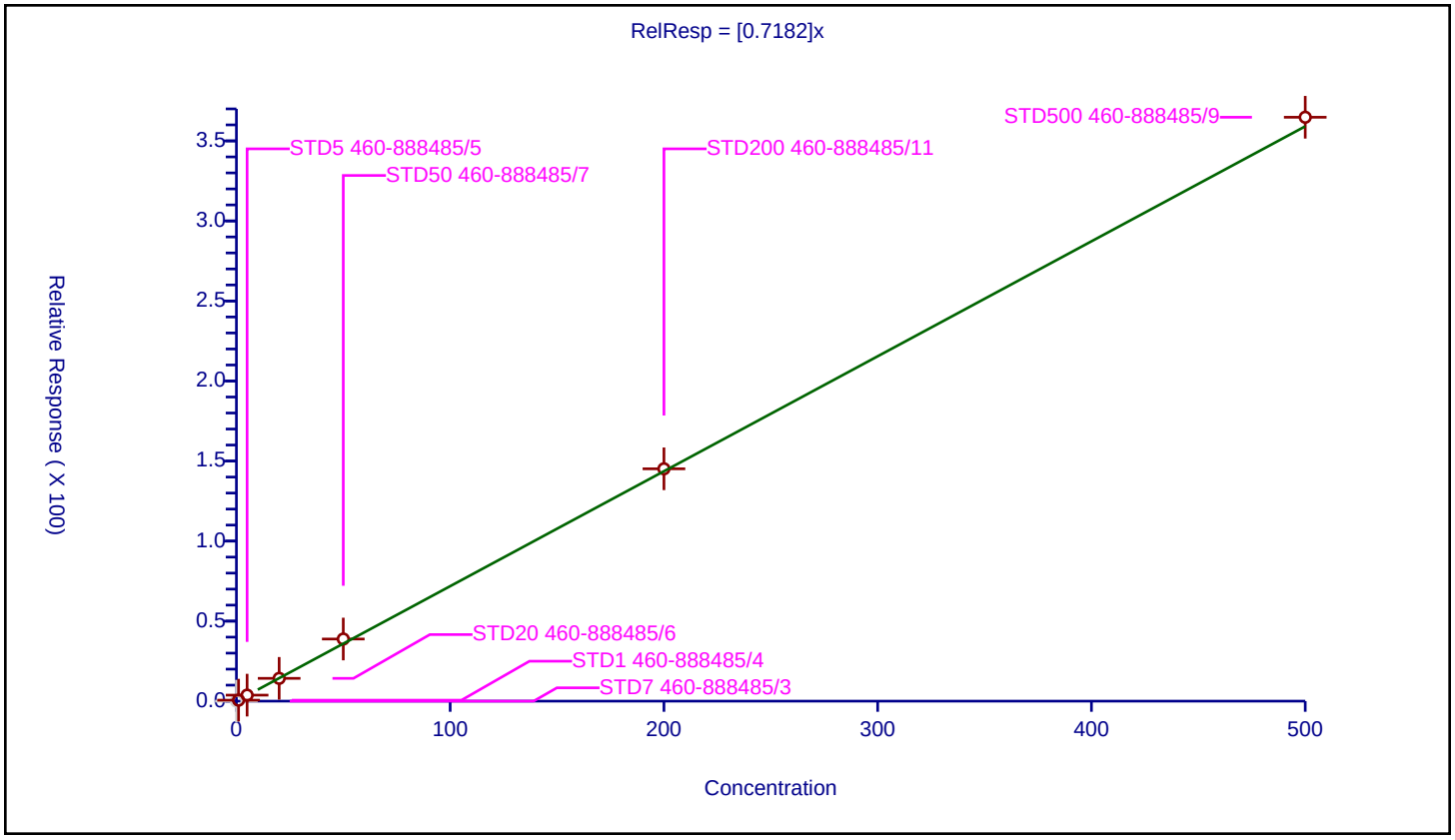
Curve Coefficients

Intercept:	0
Slope:	0.7182

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.614589	50.0	232920.0	0.614589	Y
3	STD5 460-888485/5	5.0	3.754581	50.0	224579.0	0.750916	Y
4	STD20 460-888485/6	20.0	14.234595	50.0	229016.0	0.71173	Y
5	STD50 460-888485/7	50.0	38.819045	50.0	232820.0	0.776381	Y
6	STD200 460-888485/11	200.0	145.152108	50.0	285423.0	0.725761	Y
7	STD500 460-888485/9	500.0	364.773048	50.0	315287.0	0.729546	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

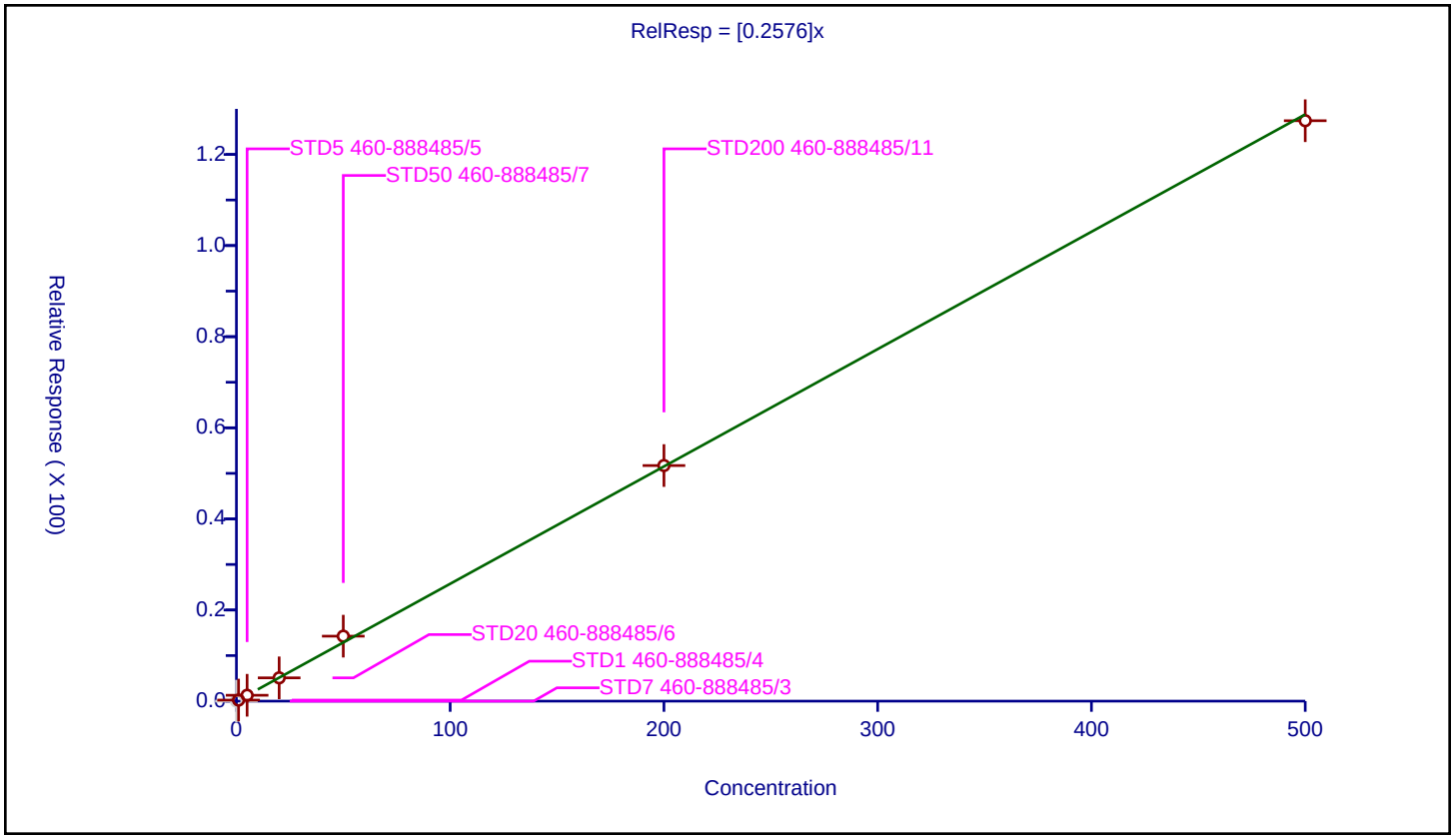
Curve Coefficients

Intercept:	0
Slope:	0.2576

Error Coefficients

Standard Error:	384000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.233127	50.0	232920.0	0.233127	Y
3	STD5 460-888485/5	5.0	1.290637	50.0	224579.0	0.258127	Y
4	STD20 460-888485/6	20.0	5.112088	50.0	229016.0	0.255604	Y
5	STD50 460-888485/7	50.0	14.259299	50.0	232820.0	0.285186	Y
6	STD200 460-888485/11	200.0	51.712196	50.0	285423.0	0.258561	Y
7	STD500 460-888485/9	500.0	127.406458	50.0	315287.0	0.254813	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

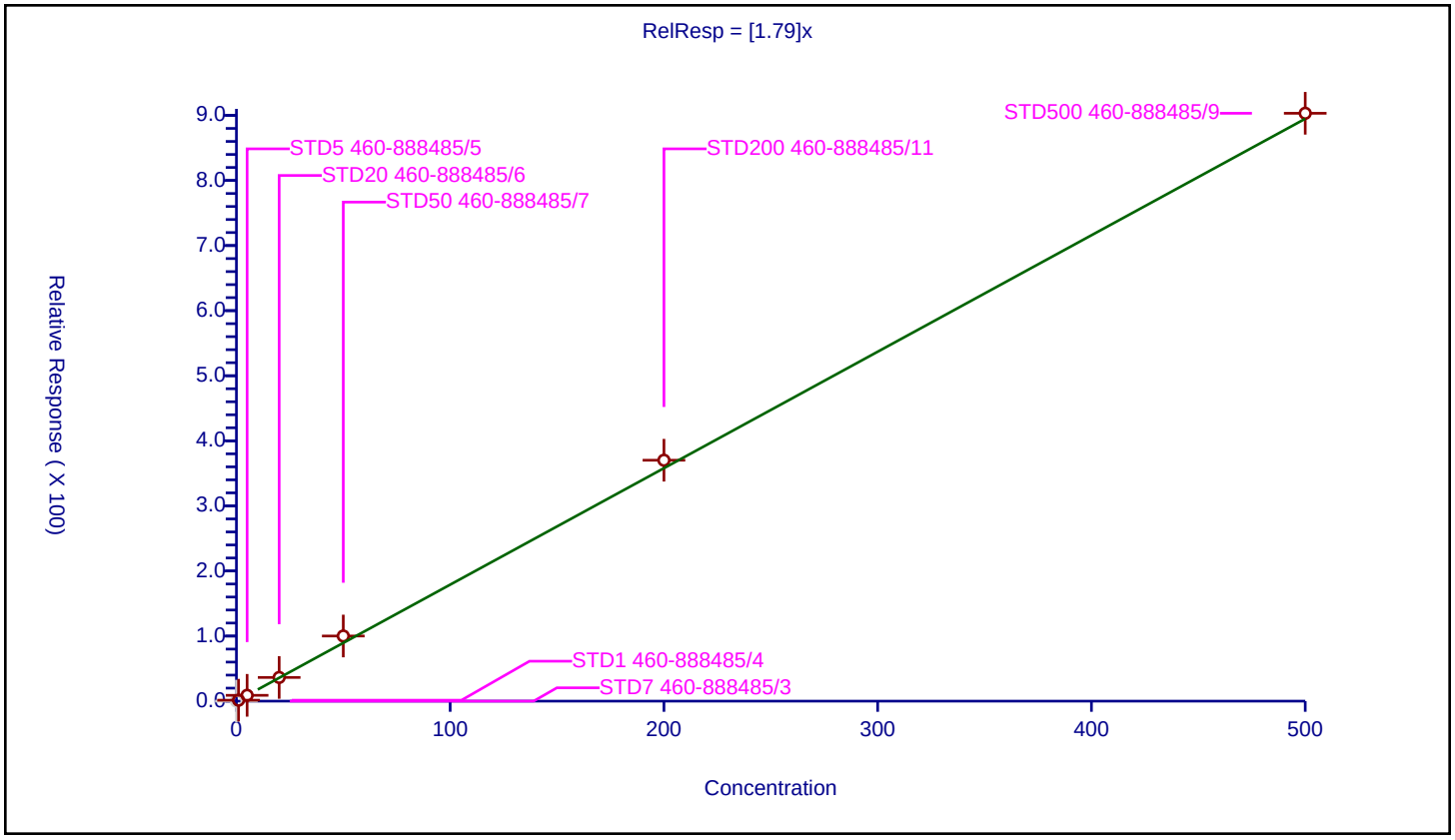
Curve Coefficients

Intercept:	0
Slope:	1.79

Error Coefficients

Standard Error:	2730000
Relative Standard Error:	9.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	1.467242	50.0	232920.0	1.467242	Y
3	STD5 460-888485/5	5.0	8.959431	50.0	224579.0	1.791886	Y
4	STD20 460-888485/6	20.0	36.391999	50.0	229016.0	1.8196	Y
5	STD50 460-888485/7	50.0	100.074736	50.0	232820.0	2.001495	Y
6	STD200 460-888485/11	200.0	370.168662	50.0	285423.0	1.850843	Y
7	STD500 460-888485/9	500.0	903.24942	50.0	315287.0	1.806499	Y



2/7/2023 12:09 PM

Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

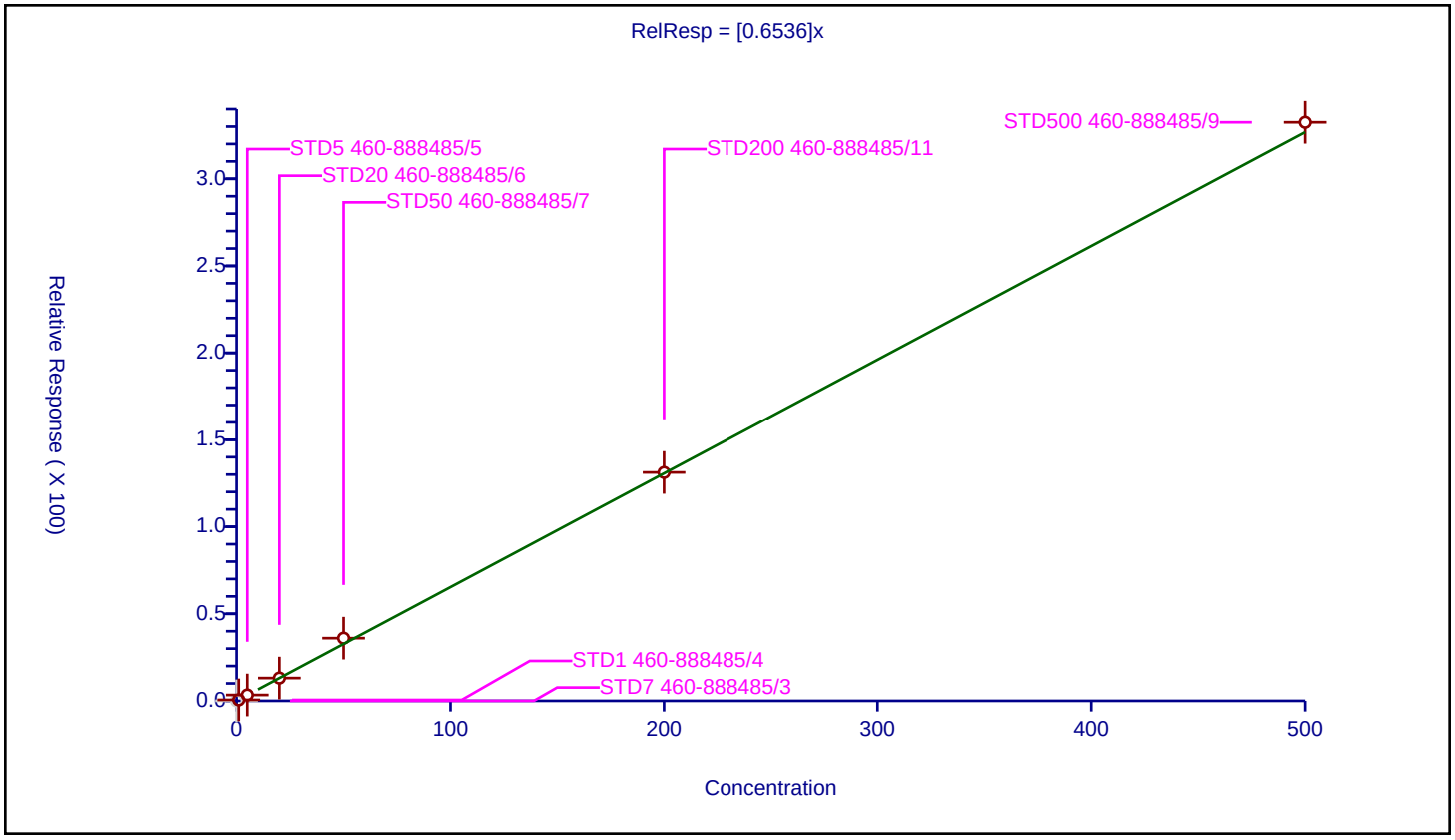
Curve Coefficients

Intercept:	0
Slope:	0.6536

Error Coefficients

Standard Error:	999000
Relative Standard Error:	8.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD7 460-888485/3	0.0	0.0	50.0	198235.0	NaN	N
2	STD1 460-888485/4	1.0	0.550618	50.0	232920.0	0.550618	Y
3	STD5 460-888485/5	5.0	3.37231	50.0	224579.0	0.674462	Y
4	STD20 460-888485/6	20.0	13.095373	50.0	229016.0	0.654769	Y
5	STD50 460-888485/7	50.0	36.02096	50.0	232820.0	0.720419	Y
6	STD200 460-888485/11	200.0	131.248883	50.0	285423.0	0.656244	Y
7	STD500 460-888485/9	500.0	332.442346	50.0	315287.0	0.664885	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-888485/17 Calibration Date: 01/17/2023 17:04

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J85648.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	0.0265	0.0286		21.6	20.0	7.9	30.0
Dichlorodifluoromethane	Ave	0.4118	0.3861	0.1000	18.8	20.0	-6.2	30.0
Chlorodifluoromethane	Ave	0.0736	0.0712		19.4	20.0	-3.2	30.0
Chloromethane	Ave	0.5644	0.5588	0.1000	19.8	20.0	-1.0	30.0
Vinyl chloride	Ave	0.3760	0.4205	0.1000	22.4	20.0	11.8	30.0
Butadiene	Ave	0.3803	0.3539		18.6	20.0	-6.9	30.0
Bromomethane	QuaF		0.1286	0.1000	17.3	20.0	-13.7	30.0
Chloroethane	Ave	0.1937	0.1906	0.1000	19.7	20.0	-1.6	30.0
Dichlorofluoromethane	Ave	0.5774	0.5692		19.7	20.0	-1.4	30.0
Trichlorofluoromethane	Ave	0.4256	0.4579	0.1000	21.5	20.0	7.6	30.0
Pentane	Ave	0.6287	0.6127		39.0	40.0	-2.6	30.0
Ethanol	Ave	0.0395	0.0358		726	800	-9.3	30.0
Ethyl ether	Ave	0.2301	0.2118		18.4	20.0	-7.9	30.0
2-Methyl-1,3-butadiene	Ave	0.3229	0.3248		20.1	20.0	0.6	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.1808	0.1845		20.4	20.0	2.1	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3567	0.3852		21.6	20.0	8.0	30.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2355	0.2253	0.1000	19.1	20.0	-4.4	30.0
Acrolein	Ave	1.824	1.303		28.6	40.1	-28.6	30.0
1,1-Dichloroethene	Ave	0.2072	0.2137	0.1000	20.6	20.0	3.2	30.0
Acetone	Ave	0.6825	0.5863	0.0500	85.9	100	-14.1	30.0
Iodomethane	QuaF		0.2077		15.6	20.0	-22.1	30.0
Isopropyl alcohol	Ave	0.5412	0.4432		164	200	-18.1	30.0
Carbon disulfide	Ave	0.8696	0.9055	0.1000	20.8	20.0	4.1	30.0
3-Chloro-1-propene	Ave	0.1495	0.1512		20.2	20.0	1.1	30.0
Methyl acetate	Ave	13.26	11.19	0.1000	33.8	40.0	-15.6	30.0
Cyclopentene	Ave	0.5957	0.6607		22.2	20.0	10.9	30.0
Acetonitrile	Ave	2.040	2.387		234	200	17.0	30.0
Methylene Chloride	Ave	0.2596	0.2572	0.1000	19.8	20.0	-0.9	30.0
2-Methyl-2-propanol	Ave	0.7009	0.5801		166	200	-17.2	30.0
Methyl tert-butyl ether	Ave	0.6915	0.6006	0.1000	17.4	20.0	-13.1	30.0
trans-1,2-Dichloroethene	Ave	0.2346	0.2342	0.1000	20.0	20.0	-0.2	30.0
Acrylonitrile	Ave	4.655	4.750		204	200	2.0	30.0
Hexane	Ave	0.3536	0.2817		15.9	20.0	-20.3	30.0
Isopropyl ether	Ave	1.198	1.139		19.0	20.0	-4.9	30.0
1,1-Dichloroethane	Ave	0.5604	0.5796	0.2000	20.7	20.0	3.4	30.0
Vinyl acetate	Ave	0.5825	0.3933		27.0	40.0	-32.5*	30.0
2-Chloro-1,3-butadiene	Ave	0.2101	0.2105		20.0	20.0	0.2	30.0
Tert-butyl ethyl ether	Ave	0.8358	0.8096		19.4	20.0	-3.1	30.0
2,2-Dichloropropane	Ave	0.1317	0.1191		18.1	20.0	-9.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-888485/17 Calibration Date: 01/17/2023 17:04

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J85648.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	0.2506	0.2491	0.1000	19.9	20.0	-0.6	30.0
2-Butanone (MEK)	Ave	0.1553	0.1409	0.0500	90.7	100	-9.3	30.0
Ethyl acetate	Ave	0.1724	0.1469		34.1	40.0	-14.8	30.0
Methyl acrylate	Ave	0.2607	0.2266		17.4	20.0	-13.1	30.0
Propionitrile	Ave	1.611	1.693		210	200	5.1	30.0
Chlorobromomethane	Ave	0.1224	0.1231		20.1	20.0	0.6	30.0
Tetrahydrofuran	Ave	0.1708	0.1501		35.1	40.0	-12.1	30.0
Methacrylonitrile	Ave	0.1015	0.0936		185	200	-7.7	30.0
Chloroform	Ave	0.4842	0.4915	0.2000	20.3	20.0	1.5	30.0
Cyclohexane	Ave	0.3154	0.3026	0.1000	19.2	20.0	-4.1	30.0
1,1,1-Trichloroethane	Ave	0.3879	0.3938	0.1000	20.3	20.0	1.5	30.0
Carbon tetrachloride	Ave	0.3334	0.3251	0.1000	19.5	20.0	-2.5	30.0
1,1-Dichloropropene	Ave	0.3707	0.3417		18.4	20.0	-7.8	30.0
Isobutyl alcohol	Ave	0.6912	0.5594		405	500	-19.1	30.0
Isooctane	Ave	0.6371	0.4854		15.2	20.0	-23.8	30.0
Benzene	Ave	1.387	1.339	0.5000	19.3	20.0	-3.5	30.0
Isopropyl acetate	Ave	1.049	0.7679		14.6	20.0	-26.8	30.0
Tert-amyl methyl ether	Ave	0.2381	0.1797		15.1	20.0	-24.5	30.0
1,2-Dichloroethane	Ave	0.4669	0.4200	0.1000	18.0	20.0	-10.0	30.0
n-Heptane	Ave	0.1469	0.1044		14.2	20.0	-28.9	30.0
n-Butanol	Ave	0.1681	0.1396		415	500	-17.0	30.0
Trichloroethene	Ave	0.2604	0.2664	0.2000	20.5	20.0	2.3	30.0
Methylcyclohexane	Ave	0.3349	0.2901	0.1000	17.3	20.0	-13.4	30.0
Ethyl acrylate	Ave	0.7313	0.6523		17.8	20.0	-10.8	30.0
1,2-Dichloropropane	Ave	0.3260	0.3228	0.1000	19.8	20.0	-1.0	30.0
Methyl methacrylate	Ave	0.0521	0.0441		33.9	40.0	-15.3	30.0
1,4-Dioxane	QuaF		0.3578		478	400	19.5	30.0
Dibromomethane	Ave	0.1738	0.1738		20.0	20.0	0.0	30.0
n-Propyl acetate	Ave	0.5263	0.4650		17.7	20.0	-11.7	30.0
Dichlorobromomethane	Ave	0.3824	0.3789	0.2000	19.8	20.0	-0.9	30.0
2-Nitropropane	Ave	4.515	4.155		36.8	40.0	-8.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1700	0.1479		17.4	20.0	-13.0	30.0
Epichlorohydrin	Ave	0.1561	0.1593		20.4	20.0	2.0	30.0
cis-1,3-Dichloropropene	Ave	0.6159	0.5449	0.2000	17.7	20.0	-11.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	2.198	2.052	0.0500	93.4	100	-6.6	30.0
Toluene	Ave	1.372	1.239	0.4000	18.1	20.0	-9.7	30.0
trans-1,3-Dichloropropene	Ave	0.5582	0.5027	0.1000	18.0	20.0	-10.0	30.0
Ethyl methacrylate	Ave	0.3009	0.2553		17.0	20.0	-15.2	30.0
1,1,2-Trichloroethane	Ave	0.2851	0.2864	0.1000	20.1	20.0	0.4	30.0
Tetrachloroethene	Ave	0.2986	0.2742	0.2000	18.4	20.0	-8.2	30.0
1,3-Dichloropropane	Ave	0.5411	0.5123		18.9	20.0	-5.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-888485/17 Calibration Date: 01/17/2023 17:04

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J85648.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
2-Hexanone	Ave	0.6092	0.5730	0.0500	94.0	100	-6.0	30.0
n-Butyl acetate	Ave	0.7557	0.7144		18.9	20.0	-5.5	30.0
Chlorodibromomethane	Ave	0.3339	0.3144	0.1000	18.8	20.0	-5.8	30.0
Ethylene Dibromide	Ave	0.3046	0.2949	0.1000	19.4	20.0	-3.2	30.0
Chlorobenzene	Ave	0.8438	0.8317	0.5000	19.7	20.0	-1.4	30.0
Ethylbenzene	Ave	0.4360	0.4062	0.1000	18.6	20.0	-6.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3107	0.3010		19.4	20.0	-3.1	30.0
m-Xylene & p-Xylene	Ave	0.5245	0.5033	0.1000	19.2	20.0	-4.0	30.0
o-Xylene	Ave	0.5199	0.4845	0.3000	18.6	20.0	-6.8	30.0
n-Butyl acrylate	QuaF		0.2545		18.2	20.0	-8.9	30.0
Styrene	Ave	0.8878	0.8699	0.3000	19.6	20.0	-2.0	30.0
Bromoform	Ave	0.2111	0.2016	0.1000	19.1	20.0	-4.5	30.0
Amyl acetate (mixed isomers)	Ave	1.543	1.472		19.1	20.0	-4.7	30.0
Isopropylbenzene	Ave	1.275	1.281	0.1000	20.1	20.0	0.5	30.0
Bromobenzene	Ave	0.6423	0.6062		18.9	20.0	-5.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7733	0.6814	0.3000	17.6	20.0	-11.9	30.0
N-Propylbenzene	Ave	3.011	2.845		18.9	20.0	-5.5	30.0
1,2,3-Trichloropropane	Ave	0.1710	0.1621		19.0	20.0	-5.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2884	0.2636		18.3	20.0	-8.6	30.0
2-Chlorotoluene	Ave	2.192	2.156		19.7	20.0	-1.6	30.0
4-Ethyltoluene	Ave	2.419	2.376		19.6	20.0	-1.8	30.0
1,3,5-Trimethylbenzene	Ave	2.027	1.924		19.0	20.0	-5.1	30.0
4-Chlorotoluene	Ave	2.066	2.010		19.5	20.0	-2.7	30.0
Butyl Methacrylate	QuaF		0.6803		17.5	20.0	-12.6	30.0
tert-Butylbenzene	Ave	1.551	1.484		19.1	20.0	-4.4	30.0
1,2,4-Trimethylbenzene	Ave	2.124	2.024		19.1	20.0	-4.7	30.0
sec-Butylbenzene	Ave	2.319	2.231		19.2	20.0	-3.8	30.0
1,3-Dichlorobenzene	Ave	1.188	1.118	0.6000	18.8	20.0	-5.9	30.0
4-Isopropyltoluene	Ave	1.950	1.836		18.8	20.0	-5.8	30.0
1,4-Dichlorobenzene	Ave	1.231	1.179	0.5000	19.1	20.0	-4.3	30.0
1,2,3-Trimethylbenzene	Ave	2.306	2.259		19.6	20.0	-2.0	30.0
Benzyl chloride	Ave	1.246	0.9872		15.8	20.0	-20.8	30.0
Indan	Ave	2.116	2.119		20.0	20.0	0.1	30.0
p-Diethylbenzene	Ave	1.221	1.154		18.9	20.0	-5.5	30.0
n-Butylbenzene	Ave	1.100	1.026		18.6	20.0	-6.8	30.0
1,2-Dichlorobenzene	Ave	1.176	1.121	0.4000	19.1	20.0	-4.7	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.905	1.803		18.9	20.0	-5.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1094	0.0500	17.7	20.0	-11.6	30.0
1,3,5-Trichlorobenzene	Ave	0.7903	0.7812		19.8	20.0	-1.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7182	0.6672	0.2000	18.6	20.0	-7.1	30.0
Hexachlorobutadiene	Ave	0.2576	0.2610		20.3	20.0	1.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-888485/17 Calibration Date: 01/17/2023 17:04

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J85648.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
Naphthalene	Ave	1.790	1.631		18.2	20.0	-8.9	30.0
1,2,3-Trichlorobenzene	Ave	0.6536	0.6051		18.5	20.0	-7.4	30.0
Dibromofluoromethane (Surr)	Ave	0.2327	0.2460		52.8	50.0	5.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3659	0.3372		46.1	50.0	-7.8	30.0
Toluene-d8 (Surr)	Ave	1.129	1.083		47.9	50.0	-4.1	30.0
4-Bromofluorobenzene	Ave	0.3339	0.3495		52.3	50.0	4.7	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85648.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Jan-2023 17:04:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0155710-017
Operator ID: Instrument ID: CVOAMS8
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 17-Jan-2023 21:55:47 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1661

First Level Reviewer: W9CM Date: 17-Jan-2023 17:58:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.155	1.156	-0.001	93	6042	20.0	21.6	
5 Chlorodifluoromethane	67	1.197	1.167	0.030	97	15073	20.0	19.4	
4 Dichlorodifluoromethane	85	1.179	1.180	-0.001	99	81696	20.0	18.8	
6 Chloromethane	50	1.307	1.308	-0.001	99	118252	20.0	19.8	
7 Vinyl chloride	62	1.361	1.363	-0.002	98	88991	20.0	22.4	
8 Butadiene	54	1.380	1.381	-0.001	87	74885	20.0	18.6	
9 Bromomethane	94	1.574	1.576	-0.002	97	27207	20.0	17.3	
10 Chloroethane	64	1.635	1.630	0.005	96	40340	20.0	19.7	
12 Dichlorofluoromethane	67	1.751	1.752	-0.001	98	120442	20.0	19.7	
11 Trichlorofluoromethane	101	1.763	1.764	-0.001	98	96900	20.0	21.5	
13 Pentane	43	1.793	1.793	0.000	93	259286	40.0	39.0	
14 Ethanol	46	1.891	1.921	-0.030	96	6475	800.0	725.7	M
15 Ethyl ether	59	1.933	1.928	0.005	85	44826	20.0	18.4	
16 2-Methyl-1,3-butadiene	53	1.951	1.947	0.004	94	68732	20.0	20.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.958	1.959	-0.001	97	39037	20.0	20.4	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.000	2.006	-0.006	97	81518	20.0	21.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.055	2.056	-0.001	93	47670	20.0	19.1	
19 Acrolein	56	2.061	2.062	-0.001	98	11803	40.1	28.6	
21 1,1-Dichloroethene	96	2.091	2.085	0.006	90	45227	20.0	20.6	
22 Acetone	43	2.152	2.153	-0.001	82	93282	100.0	85.9	
23 Iodomethane	142	2.213	2.208	0.005	99	43947	20.0	15.6	
25 Isopropyl alcohol	45	2.213	2.208	0.005	62	20047	200.0	163.8	
24 Carbon disulfide	76	2.237	2.237	0.000	99	191620	20.0	20.8	
26 3-Chloro-1-propene	76	2.335	2.330	0.005	89	31990	20.0	20.2	
28 Methyl acetate	43	2.335	2.336	-0.001	97	101240	40.0	33.8	
29 Acetonitrile	41	2.383	2.379	0.004	98	107974	200.0	234.0	
27 Cyclopentene	67	2.353	2.414	-0.061	95	139814	20.0	22.2	
* 30 TBA-d9 (IS)	65	2.414	2.414	0.000	73	226165	1000.0	1000.0	
31 Methylene Chloride	84	2.432	2.433	-0.001	91	54424	20.0	19.8	
32 2-Methyl-2-propanol	59	2.469	2.470	-0.001	97	26239	200.0	165.5	

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	2.554	2.555	-0.001	92	127086	20.0	17.4	
34 trans-1,2-Dichloroethene	96	2.584	2.579	0.005	95	49552	20.0	20.0	
35 Acrylonitrile	53	2.639	2.640	-0.001	92	214864	200.0	204.1	
36 Hexane	57	2.706	2.707	-0.001	88	59607	20.0	15.9	
37 Isopropyl ether	45	2.876	2.877	-0.001	97	241096	20.0	19.0	
38 1,1-Dichloroethane	63	2.913	2.908	0.005	99	122640	20.0	20.7	
39 Vinyl acetate	43	2.919	2.920	-0.001	100	166453	40.0	27.0	
40 2-Chloro-1,3-butadiene	88	2.949	2.950	-0.001	95	44552	20.0	20.0	
41 Tert-butyl ethyl ether	59	3.150	3.145	0.005	84	171310	20.0	19.4	
* 43 2-Butanone-d5	46	3.326	3.326	0.000	93	397766	250.0	250.0	
42 2,2-Dichloropropane	79	3.339	3.326	0.012	90	25198	20.0	18.1	
44 cis-1,2-Dichloroethene	96	3.363	3.358	0.005	87	52716	20.0	19.9	
46 2-Butanone (MEK)	72	3.375	3.376	-0.001	94	22413	100.0	90.7	
45 Ethyl acetate	70	3.381	3.382	-0.001	94	9350	40.0	34.1	
47 Methyl acrylate	55	3.430	3.425	0.005	98	47955	20.0	17.4	
48 Propionitrile	54	3.497	3.492	0.005	96	76593	200.0	210.3	
50 Chlorobromomethane	128	3.564	3.565	-0.001	96	26054	20.0	20.1	
49 Tetrahydrofuran	72	3.570	3.565	0.005	83	9552	40.0	35.1	
51 Methacrylonitrile	67	3.588	3.589	-0.001	99	198168	200.0	184.6	
52 Chloroform	83	3.612	3.607	0.005	96	104000	20.0	20.3	
53 Cyclohexane	84	3.728	3.723	0.005	95	64022	20.0	19.2	
54 1,1,1-Trichloroethane	97	3.740	3.741	-0.001	96	83340	20.0	20.3	
$ 55 Dibromofluoromethane (Surr)	113	3.758	3.752	0.006	94	130129	50.0	52.8	
56 Carbon tetrachloride	117	3.856	3.851	0.005	97	68791	20.0	19.5	
57 1,1-Dichloropropene	75	3.886	3.881	0.005	88	72311	20.0	18.4	
58 Isobutyl alcohol	43	4.014	4.009	0.005	89	63258	500.0	404.7	
59 Isooctane	57	4.038	4.033	0.005	96	102723	20.0	15.2	
60 Benzene	78	4.069	4.070	-0.001	98	212279	20.0	19.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.087	4.081	0.006	0	178407	50.0	46.1	
62 Isopropyl acetate	43	4.129	4.125	0.004	93	162499	20.0	14.6	
63 Tert-amyl methyl ether	55	4.129	4.125	0.004	91	38034	20.0	15.1	
64 1,2-Dichloroethane	62	4.160	4.155	0.005	96	88877	20.0	18.0	
65 n-Heptane	57	4.215	4.214	0.001	94	22101	20.0	14.2	
* 66 Fluorobenzene	96	4.348	4.342	0.006	95	529017	50.0	50.0	
67 n-Butanol	56	4.671	4.666	0.005	90	15786	500.0	415.1	
68 Trichloroethene	95	4.695	4.690	0.005	90	56379	20.0	20.5	
69 Methylcyclohexane	83	4.811	4.812	-0.001	79	61382	20.0	17.3	
70 Ethyl acrylate	55	4.823	4.818	0.005	97	138025	20.0	17.8	
71 1,2-Dichloropropane	63	4.987	4.982	0.005	81	68309	20.0	19.8	
* 72 1,4-Dioxane-d8	96	5.060	5.054	0.006	0	28379	1000.0	1000.0	
73 Methyl methacrylate	100	5.072	5.074	-0.002	89	18675	40.0	33.9	
75 1,4-Dioxane	88	5.115	5.116	-0.001	39	4062	400.0	478.1	
74 Dibromomethane	93	5.121	5.116	0.005	88	36780	20.0	20.0	
76 n-Propyl acetate	43	5.139	5.134	0.005	96	98388	20.0	17.7	
77 Dichlorobromomethane	83	5.279	5.274	0.005	96	80178	20.0	19.8	
78 2-Nitropropane	41	5.632	5.633	-0.001	87	37590	40.0	36.8	
79 2-Chloroethyl vinyl ether	63	5.644	5.639	0.005	75	31303	20.0	17.4	
80 Epichlorohydrin	57	5.754	5.749	0.005	91	5068	20.0	20.4	a
81 cis-1,3-Dichloropropene	75	5.808	5.804	0.004	94	86421	20.0	17.7	
82 4-Methyl-2-pentanone (MIBK)	43	5.991	5.992	-0.001	96	326544	100.0	93.4	
$ 83 Toluene-d8 (Surr)	98	6.064	6.058	0.006	96	429195	50.0	47.9	
84 Toluene	91	6.143	6.144	-0.001	91	196416	20.0	18.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.545	6.540	0.004	92	79719	20.0	18.0	
86 Ethyl methacrylate	69	6.593	6.588	0.005	92	54015	20.0	17.0	
87 1,1,2-Trichloroethane	83	6.776	6.777	-0.001	91	45421	20.0	20.1	
88 Tetrachloroethene	166	6.812	6.812	0.000	90	43477	20.0	18.4	
89 1,3-Dichloropropane	76	7.007	7.008	-0.001	87	81238	20.0	18.9	
90 2-Hexanone	58	7.098	7.099	-0.001	95	91164	100.0	94.0	
91 n-Butyl acetate	43	7.244	7.239	0.005	94	113301	20.0	18.9	
92 Chlorodibromomethane	129	7.262	7.258	0.004	95	49860	20.0	18.8	
93 Ethylene Dibromide	107	7.427	7.422	0.005	97	46763	20.0	19.4	
* 94 Chlorobenzene-d5	117	8.017	8.011	0.006	95	396464	50.0	50.0	
95 Chlorobenzene	112	8.047	8.042	0.005	89	131893	20.0	19.7	
96 Ethylbenzene	106	8.157	8.152	0.005	99	64423	20.0	18.6	
97 1,1,1,2-Tetrachloroethane	131	8.169	8.170	-0.001	90	47731	20.0	19.4	
98 m-Xylene & p-Xylene	106	8.309	8.304	0.005	0	79821	20.0	19.2	
99 o-Xylene	106	8.759	8.754	0.005	91	76828	20.0	18.6	
100 n-Butyl acrylate	73	8.777	8.772	0.005	92	40362	20.0	18.2	
101 Styrene	104	8.789	8.791	-0.002	90	137961	20.0	19.6	
103 Bromoform	173	9.002	8.997	0.005	91	31969	20.0	19.1	
102 Amyl acetate (mixed isomers)	43	9.020	9.016	0.004	84	136238	20.0	19.1	
104 Isopropylbenzene	105	9.136	9.137	-0.001	98	203223	20.0	20.1	
$ 105 4-Bromofluorobenzene	174	9.337	9.331	0.006	83	138565	50.0	52.3	
106 Bromobenzene	156	9.458	9.460	-0.002	90	56123	20.0	18.9	
107 1,1,2,2-Tetrachloroethane	83	9.531	9.527	0.004	98	63085	20.0	17.6	
108 N-Propylbenzene	91	9.544	9.545	-0.001	97	263446	20.0	18.9	
109 1,2,3-Trichloropropane	110	9.568	9.563	0.005	93	15004	20.0	19.0	
110 trans-1,4-Dichloro-2-butene	53	9.592	9.594	-0.002	78	24405	20.0	18.3	
111 2-Chlorotoluene	91	9.641	9.642	-0.001	98	199636	20.0	19.7	
112 4-Ethyltoluene	105	9.659	9.654	0.005	97	219962	20.0	19.6	
113 1,3,5-Trimethylbenzene	105	9.726	9.721	0.005	90	178095	20.0	19.0	
114 4-Chlorotoluene	91	9.750	9.752	-0.002	99	186072	20.0	19.5	
115 Butyl Methacrylate	87	9.836	9.837	-0.001	88	62989	20.0	17.5	
116 tert-Butylbenzene	119	10.006	10.001	0.005	88	137374	20.0	19.1	
117 1,2,4-Trimethylbenzene	105	10.061	10.056	0.005	99	187415	20.0	19.1	
118 sec-Butylbenzene	105	10.195	10.196	-0.001	97	206536	20.0	19.2	
120 1,3-Dichlorobenzene	146	10.316	10.317	-0.001	90	103508	20.0	18.8	
119 4-Isopropyltoluene	119	10.328	10.324	0.004	96	170021	20.0	18.8	
* 121 1,4-Dichlorobenzene-d4	152	10.383	10.383	0.000	96	231460	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.408	10.403	0.005	95	109163	20.0	19.1	
123 1,2,3-Trimethylbenzene	105	10.426	10.421	0.005	99	209192	20.0	19.6	
124 Benzyl chloride	91	10.535	10.530	0.005	96	91402	20.0	15.8	
125 2,3-Dihydroindene	117	10.590	10.585	0.005	93	196224	20.0	20.0	
126 p-Diethylbenzene	119	10.651	10.646	0.005	90	106836	20.0	18.9	
127 n-Butylbenzene	92	10.669	10.664	0.005	96	94953	20.0	18.6	
128 1,2-Dichlorobenzene	146	10.712	10.713	-0.001	91	103747	20.0	19.1	
129 1,2,4,5-Tetramethylbenzene	119	11.271	11.273	-0.002	95	166949	20.0	18.9	
130 1,2-Dibromo-3-Chloropropane	157	11.357	11.352	0.005	81	10133	20.0	17.7	
131 1,3,5-Trichlorobenzene	180	11.466	11.461	0.005	97	72329	20.0	19.8	
132 1,2,4-Trichlorobenzene	180	11.941	11.936	0.005	92	61769	20.0	18.6	
133 Hexachlorobutadiene	225	12.026	12.020	0.006	91	24169	20.0	20.3	
134 Naphthalene	128	12.123	12.124	-0.001	98	151021	20.0	18.2	
135 1,2,3-Trichlorobenzene	180	12.299	12.295	0.004	92	56023	20.0	18.5	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.8	

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		40.0	37.8	
S 138 Total BTEX	1				0		100.0	93.8	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ACROLEIN SP_00145	Amount Added:	4.00	Units: uL	
8260 SP_00162	Amount Added:	20.00	Units: uL	
8FreonsSS_00053	Amount Added:	20.00	Units: uL	
GAS C SP_00497	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 17-Jan-2023 21:55:50 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85648.D

Injection Date: 17-Jan-2023 17:04:30 Instrument ID: CVOAMS8 Operator ID:

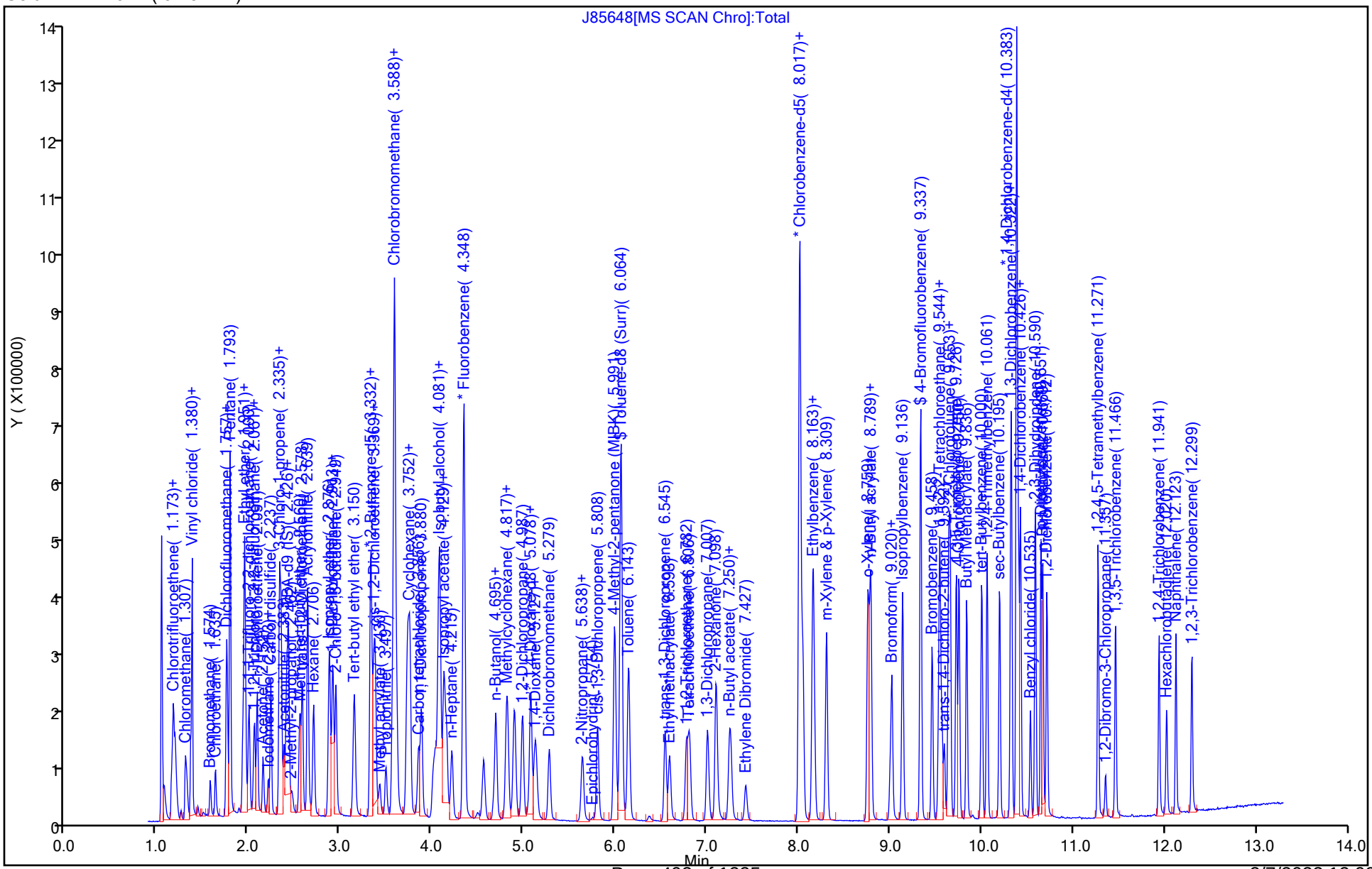
Lims ID: ICV Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

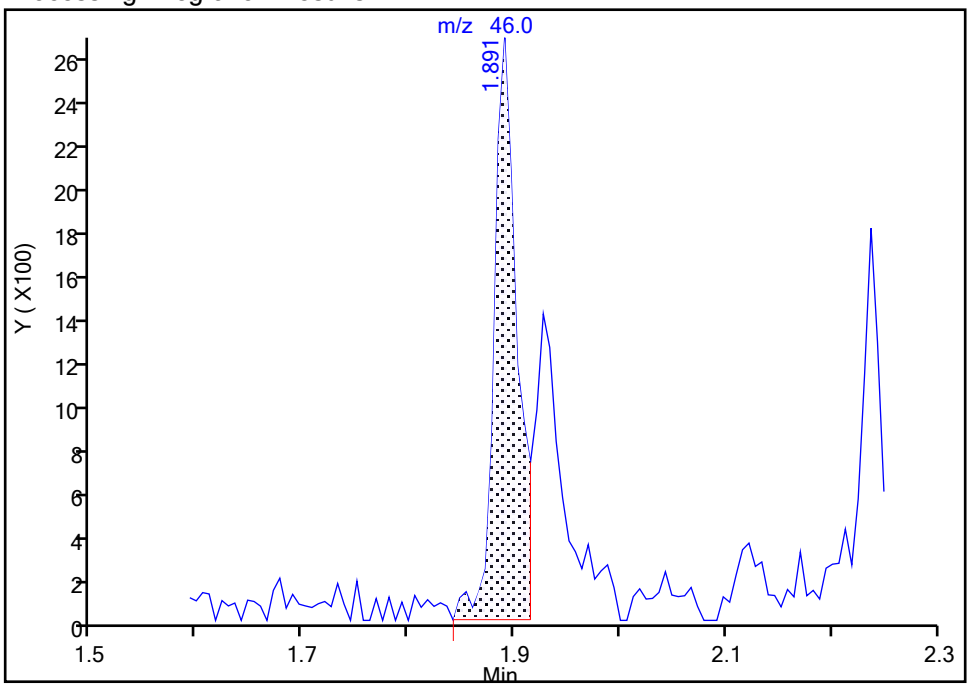
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85648.D
Injection Date: 17-Jan-2023 17:04:30 Instrument ID: CVOAMS8
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

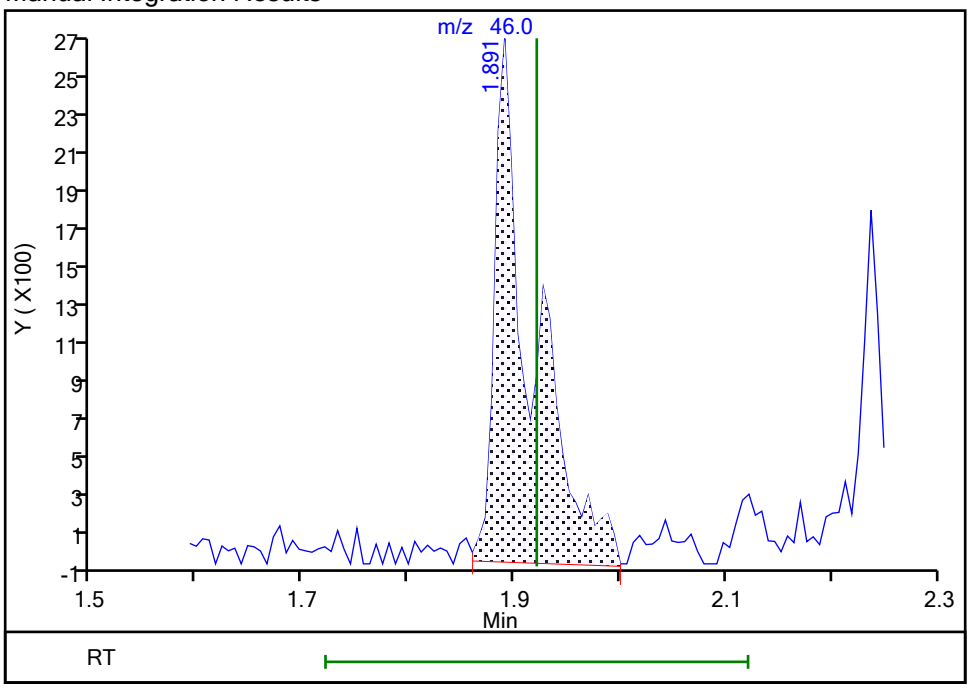
Processing Integration Results

RT: 1.89
Area: 4030
Amount: 451.6608
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 6475
Amount: 725.6833
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 21:26:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

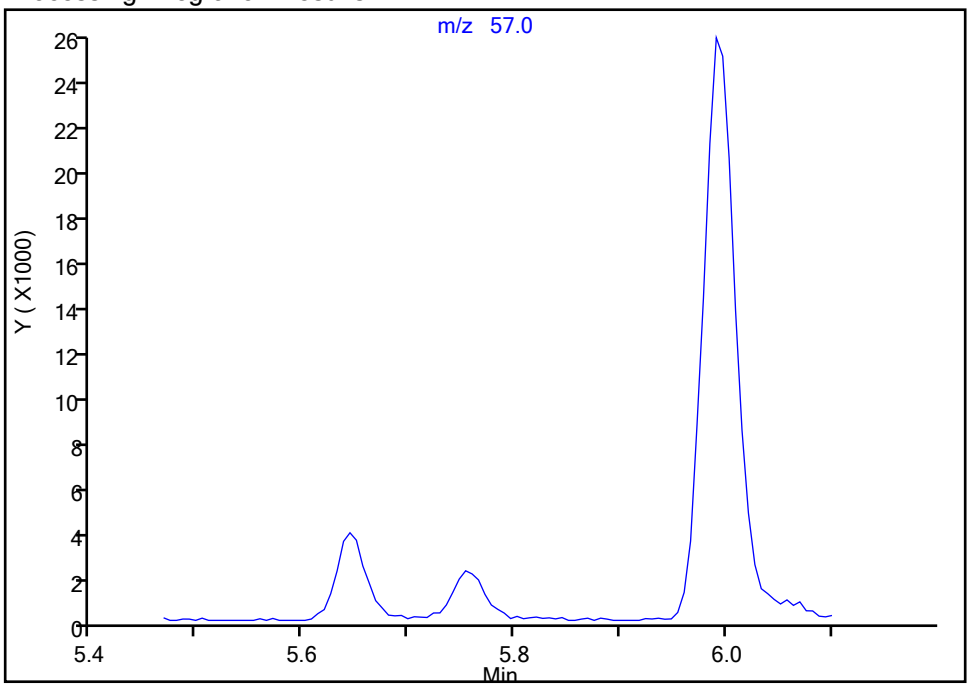
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85648.D
Injection Date: 17-Jan-2023 17:04:30 Instrument ID: CVOAMS8
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

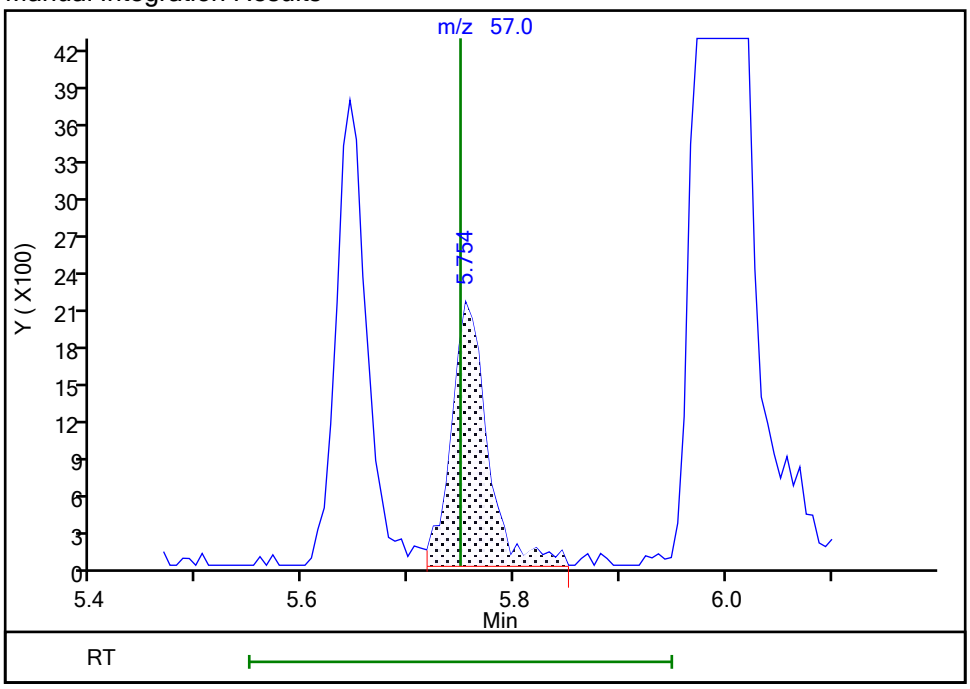
Not Detected
Expected RT: 5.75

Processing Integration Results



Manual Integration Results

RT: 5.75
Area: 5068
Amount: 20.408877
Amount Units: ug/l



Reviewer: W9CM, 17-Jan-2023 17:58:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891570/3 Calibration Date: 02/06/2023 05:35

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J86200.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	0.0265	0.0254		19.2	20.0	-4.0	20.0
Dichlorodifluoromethane	Ave	0.4118	0.3805	0.1000	18.5	20.0	-7.6	20.0
Chlorodifluoromethane	Ave	0.0736	0.0672		18.3	20.0	-8.6	20.0
Chloromethane	Ave	0.5644	0.4751	0.1000	16.8	20.0	-15.8	20.0
Vinyl chloride	Ave	0.3760	0.3196	0.1000	17.0	20.0	-15.0	20.0
Butadiene	Ave	0.3803	0.2963		15.6	20.0	-22.1*	20.0
Bromomethane	QuaF		0.0930*	0.1000	12.5	20.0	-37.5	50.0
Chloroethane	Ave	0.1937	0.1628	0.1000	16.8	20.0	-16.0	50.0
Dichlorofluoromethane	Ave	0.5774	0.5031		17.4	20.0	-12.9	20.0
Trichlorofluoromethane	Ave	0.4256	0.3781	0.1000	17.8	20.0	-11.2	20.0
Pentane	Ave	0.6287	0.4904		31.2	40.0	-22.0*	20.0
Ethanol	Ave	0.0395	0.0307		623	800	-22.1	50.0
Ethyl ether	Ave	0.2301	0.2019		17.6	20.0	-12.2	20.0
2-Methyl-1,3-butadiene	Ave	0.3229	0.2650		16.4	20.0	-17.9	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.1808	0.1689		18.7	20.0	-6.6	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3567	0.3259		18.3	20.0	-8.6	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2355	0.2171	0.1000	18.4	20.0	-7.8	20.0
Acrolein	Ave	1.824	1.876		41.1	40.0	2.8	50.0
1,1-Dichloroethene	Ave	0.2072	0.2025	0.1000	19.5	20.0	-2.3	20.0
Acetone	Ave	0.6825	0.5703	0.0500	83.6	100	-16.4	50.0
Iodomethane	QuaF		0.1532		11.5	20.0	-42.6*	20.0
Isopropyl alcohol	Ave	0.5412	0.4046		150	200	-25.2	50.0
Carbon disulfide	Ave	0.8696	0.8082	0.1000	18.6	20.0	-7.1	50.0
3-Chloro-1-propene	Ave	0.1495	0.1374		18.4	20.0	-8.0	20.0
Methyl acetate	Ave	13.26	10.78	0.1000	32.5	40.0	-18.7	20.0
Cyclopentene	Ave	0.5957	0.5203		17.5	20.0	-12.7	20.0
Acetonitrile	Ave	2.040	1.663		163	200	-18.5	20.0
Methylene Chloride	Ave	0.2596	0.2435	0.1000	18.8	20.0	-6.2	20.0
2-Methyl-2-propanol	Ave	0.7009	0.6581		188	200	-6.1	50.0
Methyl tert-butyl ether	Ave	0.6915	0.6533	0.1000	18.9	20.0	-5.5	20.0
trans-1,2-Dichloroethene	Ave	0.2346	0.2326	0.1000	19.8	20.0	-0.8	20.0
Acrylonitrile	Ave	4.655	4.405		189	200	-5.4	20.0
Hexane	Ave	0.3536	0.2940		16.6	20.0	-16.8	20.0
Isopropyl ether	Ave	1.198	0.998		16.7	20.0	-16.7	20.0
1,1-Dichloroethane	Ave	0.5604	0.5192	0.2000	18.5	20.0	-7.4	20.0
Vinyl acetate	Ave	0.5825	0.6651		45.7	40.0	14.2	20.0
2-Chloro-1,3-butadiene	Ave	0.2101	0.1984		18.9	20.0	-5.6	20.0
Tert-butyl ethyl ether	Ave	0.8358	0.7739		18.5	20.0	-7.4	20.0
2,2-Dichloropropane	Ave	0.1317	0.1301		19.8	20.0	-1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891570/3 Calibration Date: 02/06/2023 05:35

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J86200.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	0.2506	0.2547	0.1000	20.3	20.0	1.6	20.0
2-Butanone (MEK)	Ave	0.1553	0.1619	0.0500	104	100	4.3	50.0
Ethyl acetate	Ave	0.1724	0.1904		44.2	40.0	10.4	20.0
Methyl acrylate	Ave	0.2607	0.2494		19.1	20.0	-4.3	20.0
Propionitrile	Ave	1.611	1.659		206	200	3.0	20.0
Chlorobromomethane	Ave	0.1224	0.1361		22.2	20.0	11.2	20.0
Tetrahydrofuran	Ave	0.1708	0.2030		47.5	40.0	18.8	20.0
Methacrylonitrile	Ave	0.1015	0.1124		221	200	10.7	20.0
Chloroform	Ave	0.4842	0.4917	0.2000	20.3	20.0	1.5	20.0
Cyclohexane	Ave	0.3154	0.2977	0.1000	18.9	20.0	-5.6	50.0
1,1,1-Trichloroethane	Ave	0.3879	0.3787	0.1000	19.5	20.0	-2.4	20.0
Carbon tetrachloride	Ave	0.3334	0.3281	0.1000	19.7	20.0	-1.6	20.0
1,1-Dichloropropene	Ave	0.3707	0.3377		18.2	20.0	-8.9	20.0
Isobutyl alcohol	Ave	0.6912	0.5917		428	500	-14.4	50.0
Isooctane	Ave	0.6371	0.5618		17.6	20.0	-11.8	20.0
Benzene	Ave	1.387	1.358	0.5000	19.6	20.0	-2.1	20.0
Isopropyl acetate	Ave	1.049	0.9727		18.5	20.0	-7.3	20.0
Tert-amyl methyl ether	Ave	0.2381	0.2259		19.0	20.0	-5.1	20.0
1,2-Dichloroethane	Ave	0.4669	0.4227	0.1000	18.1	20.0	-9.5	20.0
n-Heptane	Ave	0.1469	0.1234		16.8	20.0	-16.0	20.0
n-Butanol	Ave	0.1681	0.1270		378	500	-24.4	50.0
Trichloroethene	Ave	0.2604	0.2522	0.2000	19.4	20.0	-3.2	20.0
Methylcyclohexane	Ave	0.3349	0.2985	0.1000	17.8	20.0	-10.9	50.0
Ethyl acrylate	Ave	0.7313	0.6465		17.7	20.0	-11.6	20.0
1,2-Dichloropropane	Ave	0.3260	0.3082	0.1000	18.9	20.0	-5.4	20.0
Methyl methacrylate	Ave	0.0521	0.0549		42.2	40.0	5.4	20.0
1,4-Dioxane	QuaF		0.4230		558	400	39.5	50.0
Dibromomethane	Ave	0.1738	0.1835		21.1	20.0	5.6	20.0
n-Propyl acetate	Ave	0.5263	0.4630		17.6	20.0	-12.0	20.0
Dichlorobromomethane	Ave	0.3824	0.3669	0.2000	19.2	20.0	-4.0	20.0
2-Nitropropane	Ave	4.515	3.350		29.7	40.0	-25.8*	20.0
2-Chloroethyl vinyl ether	Ave	0.1700	0.1414		16.7	20.0	-16.9	20.0
Epichlorohydrin	Ave	0.1561	0.1590		407	400	1.9	20.0
cis-1,3-Dichloropropene	Ave	0.6159	0.5535	0.2000	18.0	20.0	-10.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	2.198	2.106	0.0500	95.8	100	-4.2	50.0
Toluene	Ave	1.372	1.339	0.4000	19.5	20.0	-2.4	20.0
trans-1,3-Dichloropropene	Ave	0.5582	0.4942	0.1000	17.7	20.0	-11.5	50.0
Ethyl methacrylate	Ave	0.3009	0.2712		18.0	20.0	-9.9	20.0
1,1,2-Trichloroethane	Ave	0.2851	0.2858	0.1000	20.0	20.0	0.2	20.0
Tetrachloroethene	Ave	0.2986	0.3163	0.2000	21.2	20.0	5.9	20.0
1,3-Dichloropropane	Ave	0.5411	0.4951		18.3	20.0	-8.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891570/3 Calibration Date: 02/06/2023 05:35

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J86200.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
2-Hexanone	Ave	0.6092	0.5924	0.0500	97.2	100	-2.8	50.0
n-Butyl acetate	Ave	0.7557	0.6272		16.6	20.0	-17.0	20.0
Chlorodibromomethane	Ave	0.3339	0.3485	0.1000	20.9	20.0	4.4	50.0
Ethylene Dibromide	Ave	0.3046	0.3167	0.1000	20.8	20.0	4.0	20.0
Chlorobenzene	Ave	0.8438	0.8980	0.5000	21.3	20.0	6.4	20.0
Ethylbenzene	Ave	0.4360	0.4122	0.1000	18.9	20.0	-5.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3107	0.3147		20.3	20.0	1.3	20.0
m-Xylene & p-Xylene	Ave	0.5245	0.5042	0.1000	19.2	20.0	-3.9	20.0
o-Xylene	Ave	0.5199	0.4994	0.3000	19.2	20.0	-3.9	20.0
n-Butyl acrylate	QuaF		0.2417		17.3	20.0	-13.4	20.0
Styrene	Ave	0.8878	0.9261	0.3000	20.9	20.0	4.3	20.0
Bromoform	Ave	0.2111	0.2245	0.1000	21.3	20.0	6.4	20.0
Amyl acetate (mixed isomers)	Ave	1.543	1.187		15.4	20.0	-23.1*	20.0
Isopropylbenzene	Ave	1.275	1.235	0.1000	19.4	20.0	-3.1	20.0
Bromobenzene	Ave	0.6423	0.6463		20.1	20.0	0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7733	0.7437	0.3000	19.2	20.0	-3.8	20.0
N-Propylbenzene	Ave	3.011	2.594		17.2	20.0	-13.9	20.0
1,2,3-Trichloropropane	Ave	0.1710	0.1734		20.3	20.0	1.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2884	0.2451		17.0	20.0	-15.0	20.0
2-Chlorotoluene	Ave	2.192	1.953		17.8	20.0	-10.9	20.0
4-Ethyltoluene	Ave	2.419	2.185		18.1	20.0	-9.7	20.0
1,3,5-Trimethylbenzene	Ave	2.027	1.804		17.8	20.0	-11.0	20.0
4-Chlorotoluene	Ave	2.066	1.971		19.1	20.0	-4.6	20.0
Butyl Methacrylate	QuaF		0.6203		15.9	20.0	-20.3*	20.0
tert-Butylbenzene	Ave	1.551	1.360		17.5	20.0	-12.3	20.0
1,2,4-Trimethylbenzene	Ave	2.124	1.936		18.2	20.0	-8.8	20.0
sec-Butylbenzene	Ave	2.319	2.068		17.8	20.0	-10.8	20.0
1,3-Dichlorobenzene	Ave	1.188	1.199	0.6000	20.2	20.0	0.9	20.0
4-Isopropyltoluene	Ave	1.950	1.767		18.1	20.0	-9.4	20.0
1,4-Dichlorobenzene	Ave	1.231	1.247	0.5000	20.3	20.0	1.3	20.0
1,2,3-Trimethylbenzene	Ave	2.306	2.086		18.1	20.0	-9.6	20.0
Benzyl chloride	Ave	1.246	1.281		20.6	20.0	2.8	50.0
Indan	Ave	2.116	2.084		19.7	20.0	-1.5	20.0
p-Diethylbenzene	Ave	1.221	1.113		18.2	20.0	-8.9	20.0
n-Butylbenzene	Ave	1.100	0.9840		17.9	20.0	-10.5	20.0
1,2-Dichlorobenzene	Ave	1.176	1.224	0.4000	20.8	20.0	4.1	20.0
1,2,4,5-Tetramethylbenzene	Ave	1.905	1.641		17.2	20.0	-13.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1238	0.1369	0.0500	22.1	20.0	10.6	50.0
1,3,5-Trichlorobenzene	Ave	0.7903	0.8166		20.7	20.0	3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.7182	0.6986	0.2000	19.5	20.0	-2.7	20.0
Hexachlorobutadiene	Ave	0.2576	0.2638		20.5	20.0	2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891570/3 Calibration Date: 02/06/2023 05:35

Instrument ID: CVOAMS8 Calib Start Date: 01/17/2023 10:29

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 01/17/2023 14:34

Lab File ID: J86200.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
Naphthalene	Ave	1.790	1.814		20.3	20.0	1.4	50.0
1,2,3-Trichlorobenzene	Ave	0.6536	0.6751		20.7	20.0	3.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2327	0.2417		51.9	50.0	3.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3659	0.3165		43.3	50.0	-13.5	20.0
Toluene-d8 (Surr)	Ave	1.129	1.122		49.7	50.0	-0.6	20.0
4-Bromofluorobenzene	Ave	0.3339	0.3721		55.7	50.0	11.4	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Feb-2023 05:35:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BLK
Misc. Info.: 460-0156388-003
Operator ID: Instrument ID: CVOAMS8
Sublist: chrom-8260_W8*sub61

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:34:38 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: N1JZ Date: 06-Feb-2023 05:53:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.149	1.149	0.000	92	6213	20.0	19.2	
4 Dichlorodifluoromethane	85	1.174	1.174	0.000	98	93112	20.0	18.5	
5 Chlorodifluoromethane	67	1.192	1.192	0.000	96	16449	20.0	18.3	Ma
6 Chloromethane	50	1.302	1.302	0.000	100	116262	20.0	16.8	
7 Vinyl chloride	62	1.362	1.362	0.000	98	78209	20.0	17.0	
8 Butadiene	54	1.375	1.375	0.000	91	72496	20.0	15.6	
9 Bromomethane	94	1.575	1.575	0.000	98	22757	20.0	12.5	
10 Chloroethane	64	1.630	1.630	0.000	97	39832	20.0	16.8	
12 Dichlorofluoromethane	67	1.746	1.746	0.000	98	123098	20.0	17.4	
11 Trichlorofluoromethane	101	1.758	1.758	0.000	97	92524	20.0	17.8	
13 Pentane	43	1.788	1.788	0.000	94	240014	40.0	31.2	
14 Ethanol	46	1.886	1.886	0.000	95	7158	800.0	623.0	M
15 Ethyl ether	59	1.928	1.928	0.000	87	49413	20.0	17.6	
16 2-Methyl-1,3-butadiene	53	1.946	1.946	0.000	95	64848	20.0	16.4	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.952	1.952	0.000	97	41321	20.0	18.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.995	1.995	0.000	98	79741	20.0	18.3	a
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.050	2.050	0.000	94	53117	20.0	18.4	
19 Acrolein	56	2.056	2.056	0.000	97	21849	40.0	41.1	
21 1,1-Dichloroethene	96	2.086	2.086	0.000	93	49553	20.0	19.5	
22 Acetone	43	2.147	2.147	0.000	83	102439	100.0	83.6	
23 Iodomethane	142	2.202	2.202	0.000	100	37481	20.0	11.5	
25 Isopropyl alcohol	45	2.208	2.208	0.000	97	23565	200.0	149.5	
24 Carbon disulfide	76	2.232	2.232	0.000	100	197764	20.0	18.6	
26 3-Chloro-1-propene	76	2.324	2.324	0.000	90	33632	20.0	18.4	
28 Methyl acetate	43	2.330	2.330	0.000	98	125532	40.0	32.5	
27 Cyclopentene	67	2.342	2.342	0.000	95	127315	20.0	17.5	
29 Acetonitrile	41	2.378	2.378	0.000	100	96858	200.0	163.1	a
* 30 TBA-d9 (IS)	65	2.409	2.409	0.000	75	291211	1000.0	1000.0	
31 Methylene Chloride	84	2.427	2.427	0.000	95	59592	20.0	18.8	
32 2-Methyl-2-propanol	59	2.463	2.463	0.000	97	38328	200.0	187.8	

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	2.549	2.549	0.000	94	159863	20.0	18.9	
34 trans-1,2-Dichloroethene	96	2.573	2.573	0.000	98	56909	20.0	19.8	
35 Acrylonitrile	53	2.634	2.634	0.000	93	256568	200.0	189.3	
36 Hexane	57	2.695	2.695	0.000	89	71936	20.0	16.6	
37 Isopropyl ether	45	2.871	2.871	0.000	97	244197	20.0	16.7	
38 1,1-Dichloroethane	63	2.902	2.902	0.000	99	127031	20.0	18.5	
39 Vinyl acetate	43	2.908	2.908	0.000	100	325498	40.0	45.7	
40 2-Chloro-1,3-butadiene	88	2.938	2.938	0.000	96	48547	20.0	18.9	
41 Tert-butyl ethyl ether	59	3.139	3.139	0.000	85	189369	20.0	18.5	
* 43 2-Butanone-d5	46	3.321	3.321	0.000	95	449055	250.0	250.0	
42 2,2-Dichloropropane	79	3.327	3.327	0.000	92	31823	20.0	19.8	
44 cis-1,2-Dichloroethene	96	3.352	3.352	0.000	91	62312	20.0	20.3	
45 Ethyl acetate	70	3.370	3.370	0.000	96	13677	40.0	44.2	
46 2-Butanone (MEK)	72	3.370	3.370	0.000	94	29082	100.0	104.3	
47 Methyl acrylate	55	3.419	3.419	0.000	99	61024	20.0	19.1	
48 Propionitrile	54	3.486	3.486	0.000	96	96624	200.0	206.0	
50 Chlorobromomethane	128	3.552	3.552	0.000	97	33307	20.0	22.2	
49 Tetrahydrofuran	72	3.559	3.559	0.000	92	14583	40.0	47.5	
51 Methacrylonitrile	67	3.577	3.577	0.000	98	274988	200.0	221.5	
52 Chloroform	83	3.601	3.601	0.000	97	120307	20.0	20.3	
53 Cyclohexane	84	3.717	3.717	0.000	95	72849	20.0	18.9	
54 1,1,1-Trichloroethane	97	3.735	3.735	0.000	97	92666	20.0	19.5	
$ 55 Dibromofluoromethane (Surr)	113	3.747	3.747	0.000	95	147876	50.0	51.9	
56 Carbon tetrachloride	117	3.838	3.838	0.000	97	80273	20.0	19.7	
57 1,1-Dichloropropene	75	3.869	3.869	0.000	90	82629	20.0	18.2	
58 Isobutyl alcohol	43	4.009	4.009	0.000	94	86151	500.0	428.0	
59 Isooctane	57	4.027	4.027	0.000	96	137475	20.0	17.6	
60 Benzene	78	4.057	4.057	0.000	98	251763	20.0	19.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.076	4.076	0.000	0	193620	50.0	43.3	
62 Isopropyl acetate	43	4.118	4.118	0.000	95	238014	20.0	18.5	
63 Tert-amyl methyl ether	55	4.118	4.118	0.000	89	55287	20.0	19.0	
64 1,2-Dichloroethane	62	4.149	4.149	0.000	95	103426	20.0	18.1	
65 n-Heptane	57	4.203	4.203	0.000	94	30200	20.0	16.8	
* 66 Fluorobenzene	96	4.337	4.337	0.000	97	611721	50.0	50.0	
67 n-Butanol	56	4.666	4.666	0.000	94	18497	500.0	377.8	
68 Trichloroethene	95	4.684	4.684	0.000	97	61705	20.0	19.4	
69 Methylcyclohexane	83	4.800	4.800	0.000	83	73039	20.0	17.8	
70 Ethyl acrylate	55	4.812	4.812	0.000	97	158195	20.0	17.7	
71 1,2-Dichloropropane	63	4.976	4.976	0.000	84	75423	20.0	18.9	
* 72 1,4-Dioxane-d8	96	5.043	5.043	0.000	0	34301	1000.0	1000.0	a
73 Methyl methacrylate	100	5.067	5.067	0.000	92	26881	40.0	42.2	
75 1,4-Dioxane	88	5.104	5.104	0.000	38	5804	400.0	558.0	
74 Dibromomethane	93	5.104	5.104	0.000	94	44895	20.0	21.1	
76 n-Propyl acetate	43	5.128	5.128	0.000	98	113299	20.0	17.6	
77 Dichlorobromomethane	83	5.268	5.268	0.000	98	89781	20.0	19.2	
78 2-Nitropropane	41	5.621	5.621	0.000	88	39020	40.0	29.7	
79 2-Chloroethyl vinyl ether	63	5.633	5.633	0.000	84	34676	20.0	16.7	
80 Epichlorohydrin	57	5.742	5.742	0.000	99	114223	400.0	407.4	
81 cis-1,3-Dichloropropene	75	5.791	5.791	0.000	98	102639	20.0	18.0	
82 4-Methyl-2-pentanone (MIBK)	43	5.980	5.980	0.000	97	378290	100.0	95.8	
$ 83 Toluene-d8 (Surr)	98	6.047	6.047	0.000	98	520086	50.0	49.7	
84 Toluene	91	6.132	6.132	0.000	92	248264	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	6.533	6.533	0.000	96	91631	20.0	17.7	
86 Ethyl methacrylate	69	6.582	6.582	0.000	96	66358	20.0	18.0	
87 1,1,2-Trichloroethane	83	6.765	6.765	0.000	93	52990	20.0	20.0	
88 Tetrachloroethene	166	6.795	6.795	0.000	93	58643	20.0	21.2	
89 1,3-Dichloropropane	76	6.996	6.996	0.000	93	91803	20.0	18.3	
90 2-Hexanone	58	7.087	7.087	0.000	97	106407	100.0	97.2	
91 n-Butyl acetate	43	7.233	7.233	0.000	94	116293	20.0	16.6	
92 Chlorodibromomethane	129	7.251	7.251	0.000	97	64622	20.0	20.9	
93 Ethylene Dibromide	107	7.409	7.409	0.000	98	58719	20.0	20.8	
* 94 Chlorobenzene-d5	117	7.999	7.999	0.000	89	463576	50.0	50.0	
95 Chlorobenzene	112	8.036	8.036	0.000	93	166517	20.0	21.3	
96 Ethylbenzene	106	8.145	8.145	0.000	99	76438	20.0	18.9	
97 1,1,1,2-Tetrachloroethane	131	8.158	8.158	0.000	93	58348	20.0	20.3	
98 m-Xylene & p-Xylene	106	8.298	8.298	0.000	0	93501	20.0	19.2	
99 o-Xylene	106	8.748	8.748	0.000	92	92606	20.0	19.2	
100 n-Butyl acrylate	73	8.766	8.766	0.000	94	44825	20.0	17.3	
101 Styrene	104	8.784	8.784	0.000	93	171719	20.0	20.9	
103 Bromoform	173	8.991	8.991	0.000	94	41632	20.0	21.3	
102 Amyl acetate (mixed isomers)	43	9.009	9.009	0.000	85	132048	20.0	15.4	
104 Isopropylbenzene	105	9.125	9.125	0.000	97	228978	20.0	19.4	
$ 105 4-Bromofluorobenzene	174	9.326	9.326	0.000	89	172502	50.0	55.7	
106 Bromobenzene	156	9.453	9.453	0.000	95	71922	20.0	20.1	
107 1,1,2,2-Tetrachloroethane	83	9.520	9.520	0.000	98	82761	20.0	19.2	
108 N-Propylbenzene	91	9.539	9.539	0.000	98	288657	20.0	17.2	
109 1,2,3-Trichloropropane	110	9.557	9.557	0.000	95	19294	20.0	20.3	
110 trans-1,4-Dichloro-2-butene	53	9.587	9.587	0.000	84	27274	20.0	17.0	
111 2-Chlorotoluene	91	9.630	9.630	0.000	98	217368	20.0	17.8	
112 4-Ethyltoluene	105	9.648	9.648	0.000	97	243121	20.0	18.1	
113 1,3,5-Trimethylbenzene	105	9.715	9.715	0.000	92	200744	20.0	17.8	
114 4-Chlorotoluene	91	9.745	9.745	0.000	98	219321	20.0	19.1	
115 Butyl Methacrylate	87	9.831	9.831	0.000	94	69033	20.0	15.9	
116 tert-Butylbenzene	119	9.995	9.995	0.000	90	151353	20.0	17.5	
117 1,2,4-Trimethylbenzene	105	10.050	10.050	0.000	99	215419	20.0	18.2	
118 sec-Butylbenzene	105	10.189	10.189	0.000	98	230128	20.0	17.8	
120 1,3-Dichlorobenzene	146	10.311	10.311	0.000	94	133410	20.0	20.2	
119 4-Isopropyltoluene	119	10.317	10.317	0.000	97	196588	20.0	18.1	a
* 121 1,4-Dichlorobenzene-d4	152	10.378	10.378	0.000	97	278211	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.396	10.396	0.000	96	138765	20.0	20.3	
123 1,2,3-Trimethylbenzene	105	10.415	10.415	0.000	98	232119	20.0	18.1	
124 Benzyl chloride	91	10.524	10.524	0.000	97	142569	20.0	20.6	
125 2,3-Dihydroindene	117	10.579	10.579	0.000	94	231966	20.0	19.7	
126 p-Diethylbenzene	119	10.640	10.640	0.000	91	123833	20.0	18.2	
127 n-Butylbenzene	92	10.658	10.658	0.000	97	109504	20.0	17.9	
128 1,2-Dichlorobenzene	146	10.707	10.707	0.000	94	136209	20.0	20.8	
129 1,2,4,5-Tetramethylbenzene	119	11.266	11.266	0.000	97	182580	20.0	17.2	
130 1,2-Dibromo-3-Chloropropane	157	11.345	11.345	0.000	89	15239	20.0	22.1	
131 1,3,5-Trichlorobenzene	180	11.455	11.455	0.000	96	90875	20.0	20.7	
132 1,2,4-Trichlorobenzene	180	11.929	11.929	0.000	94	77739	20.0	19.5	
133 Hexachlorobutadiene	225	12.015	12.015	0.000	93	29358	20.0	20.5	
134 Naphthalene	128	12.118	12.118	0.000	99	201900	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	12.288	12.288	0.000	94	75131	20.0	20.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	40.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	38.4	
S 138 Total BTEX	1				0		100.0	96.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

524freon_00063	Amount Added:	20.00	Units: uL	
ACROLEIN W_00149	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00165	Amount Added:	20.00	Units: uL	
GASES Li_00514	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Feb-2023 10:34:40 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D

Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8 Operator ID:

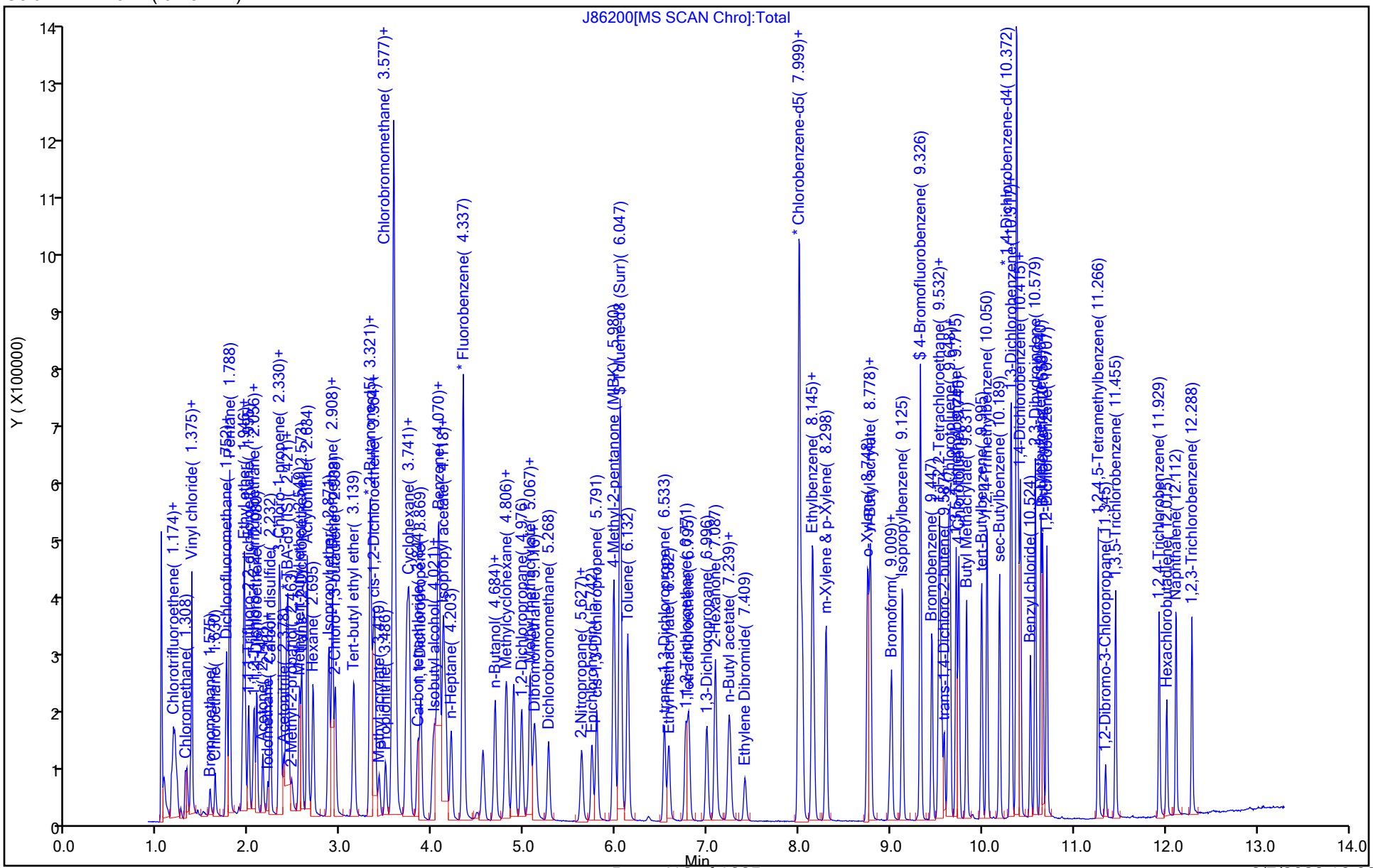
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

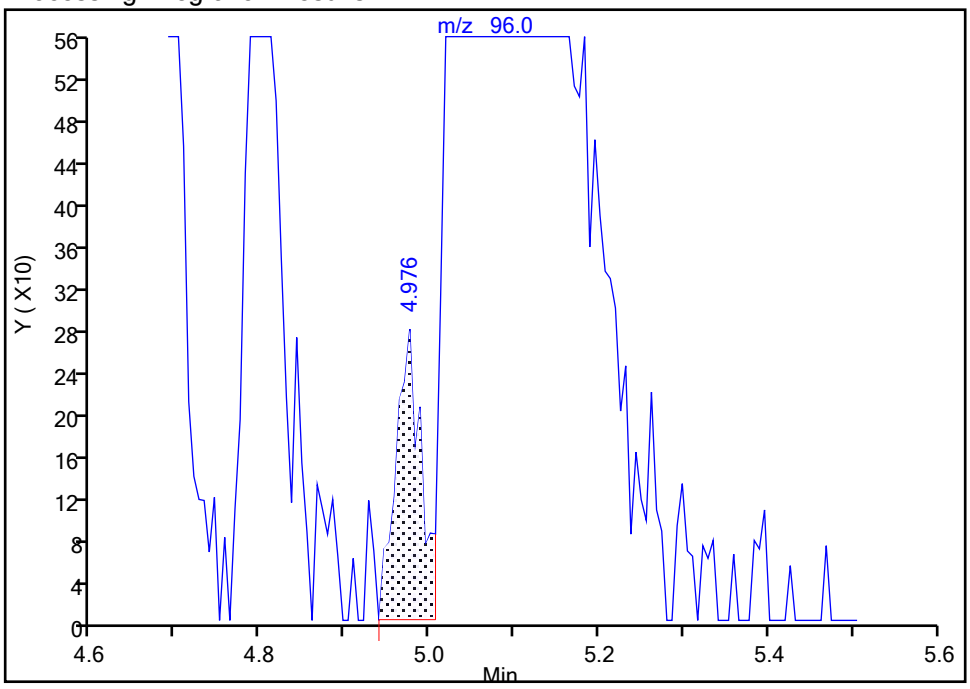
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 72 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

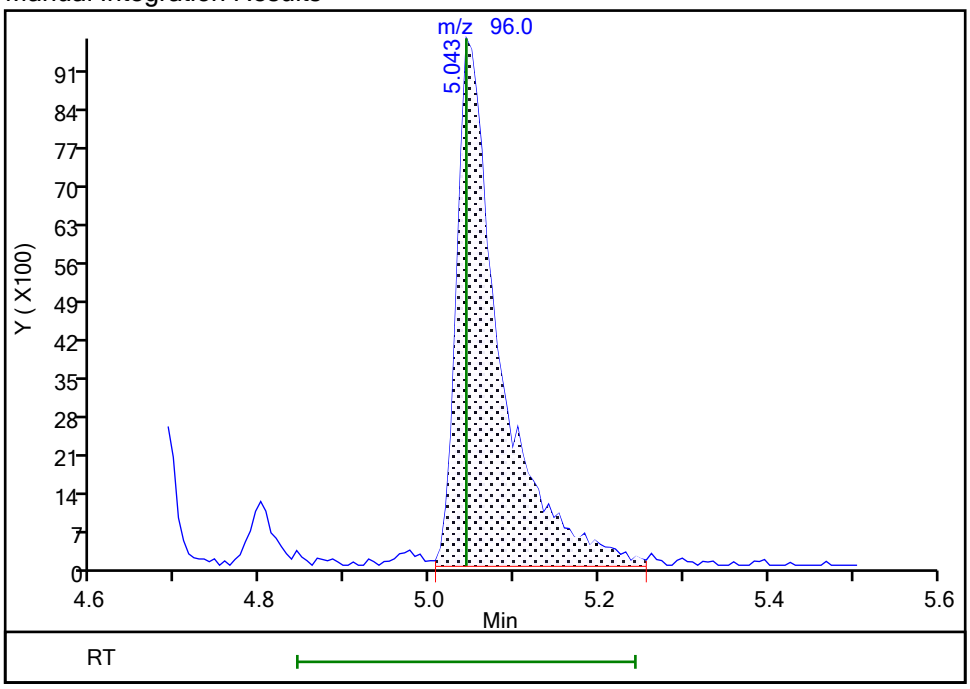
Processing Integration Results

RT: 4.98
Area: 575
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 5.04
Area: 34301
Amount: 1000.0000
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:52:17
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

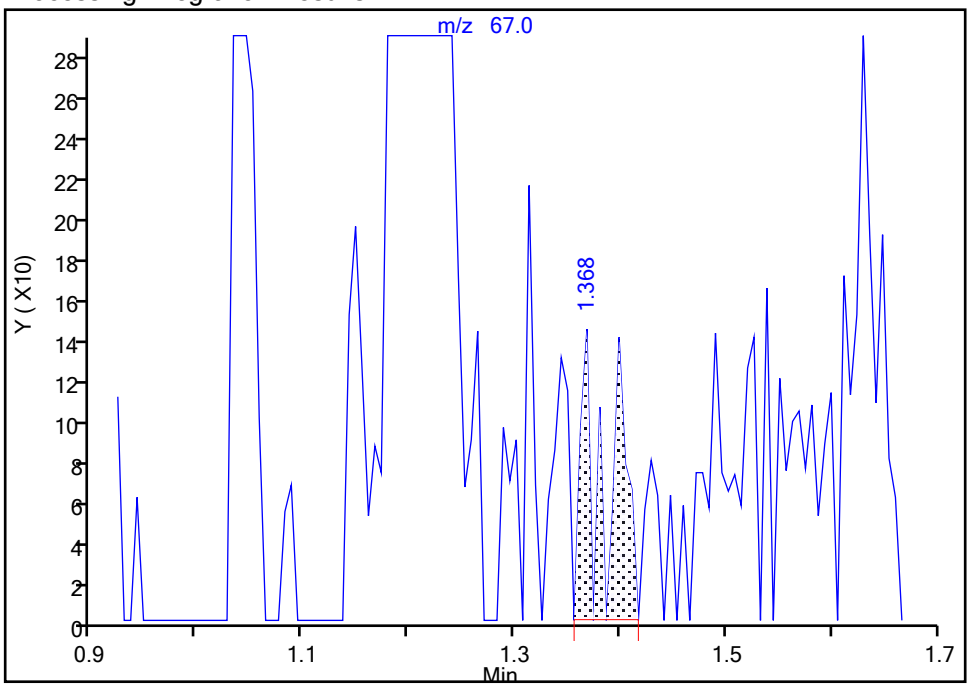
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

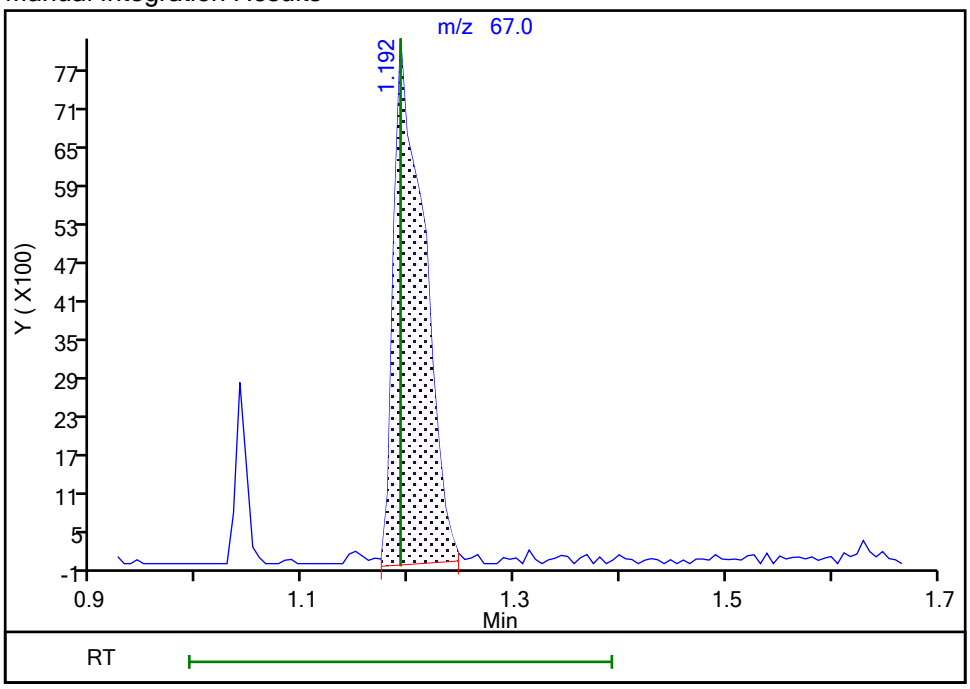
Processing Integration Results

RT: 1.37
Area: 245
Amount: 0.272210
Amount Units: ug/l



Manual Integration Results

RT: 1.19
Area: 16449
Amount: 18.275840
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:52:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

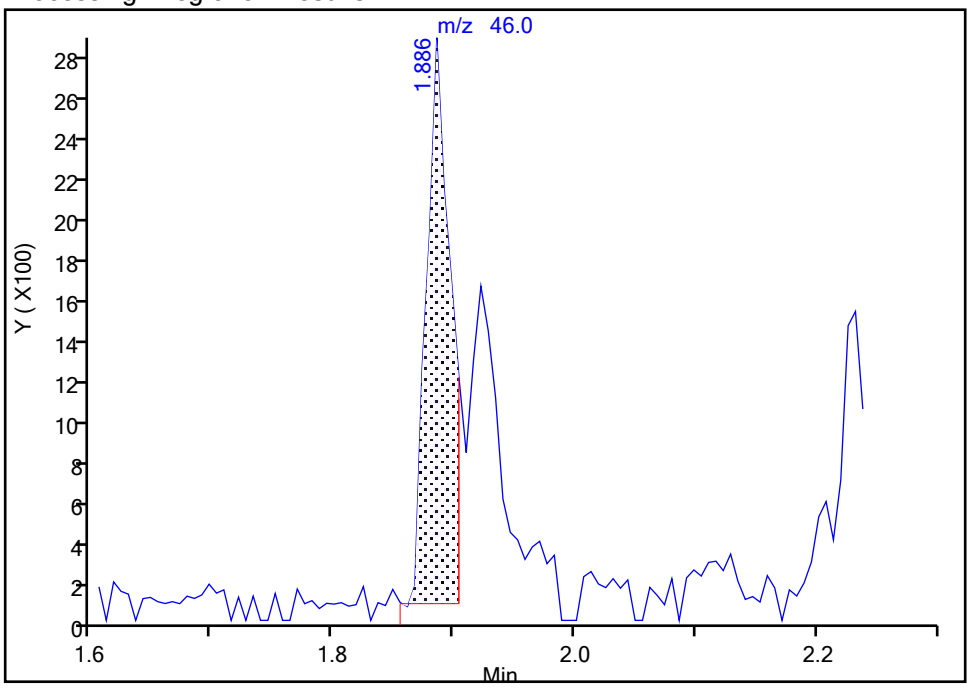
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

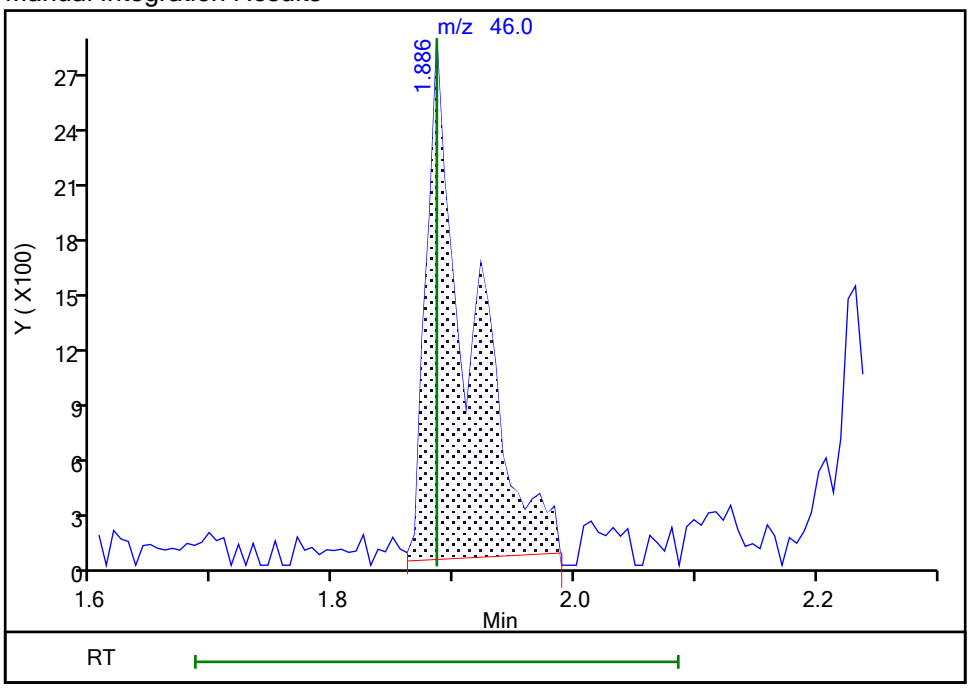
Processing Integration Results

RT: 1.89
Area: 3844
Amount: 334.5865
Amount Units: ug/l



Manual Integration Results

RT: 1.89
Area: 7158
Amount: 623.0411
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:52:49
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

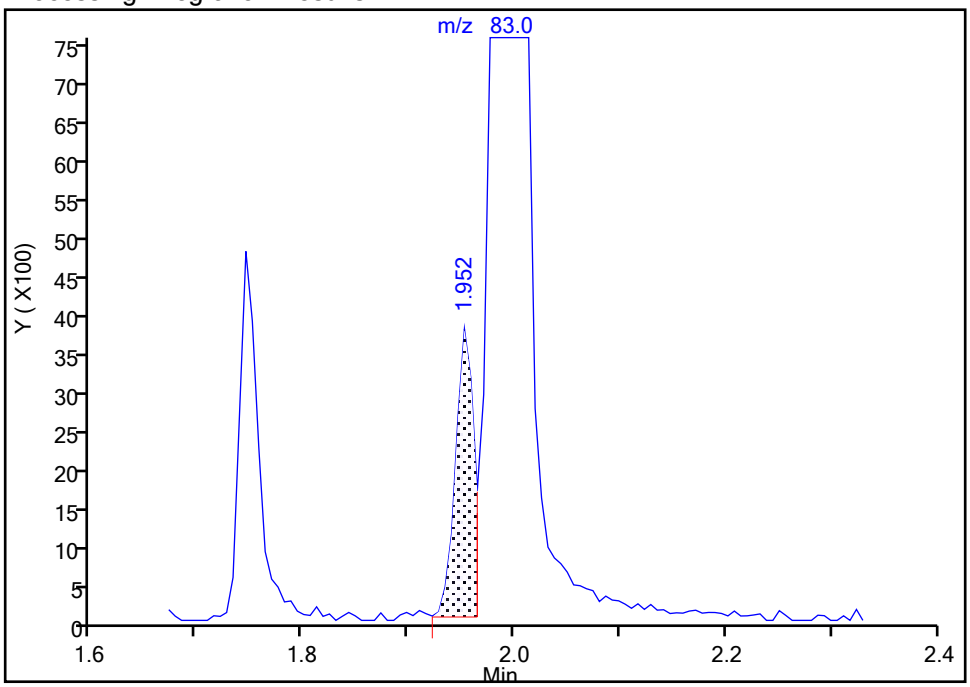
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

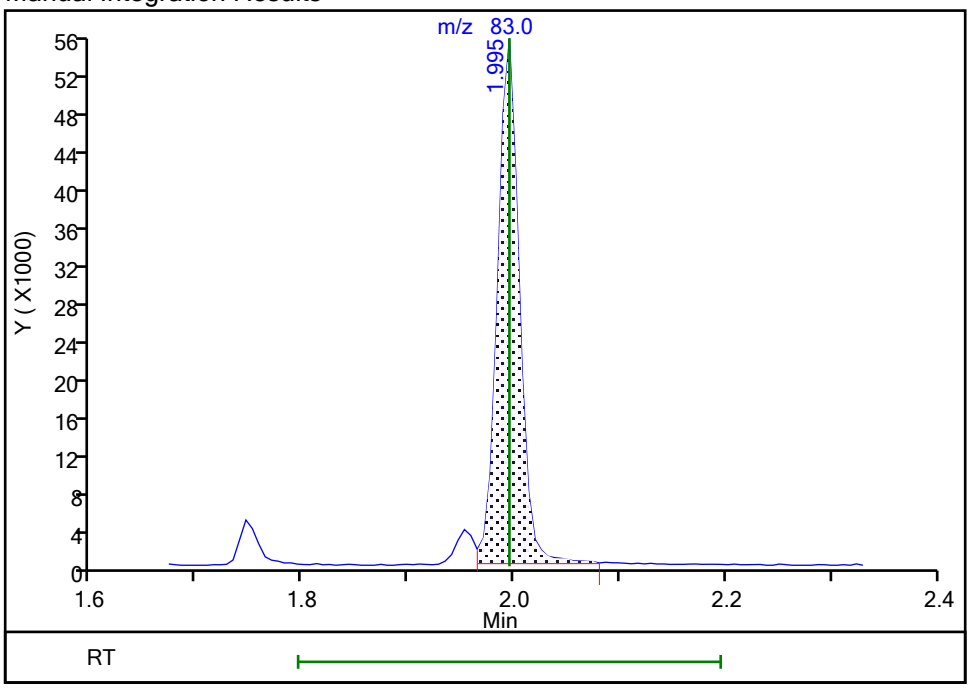
Processing Integration Results

RT: 1.95
Area: 4576
Amount: 1.048639
Amount Units: ug/l



Manual Integration Results

RT: 2.00
Area: 79741
Amount: 18.273503
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:52:55
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

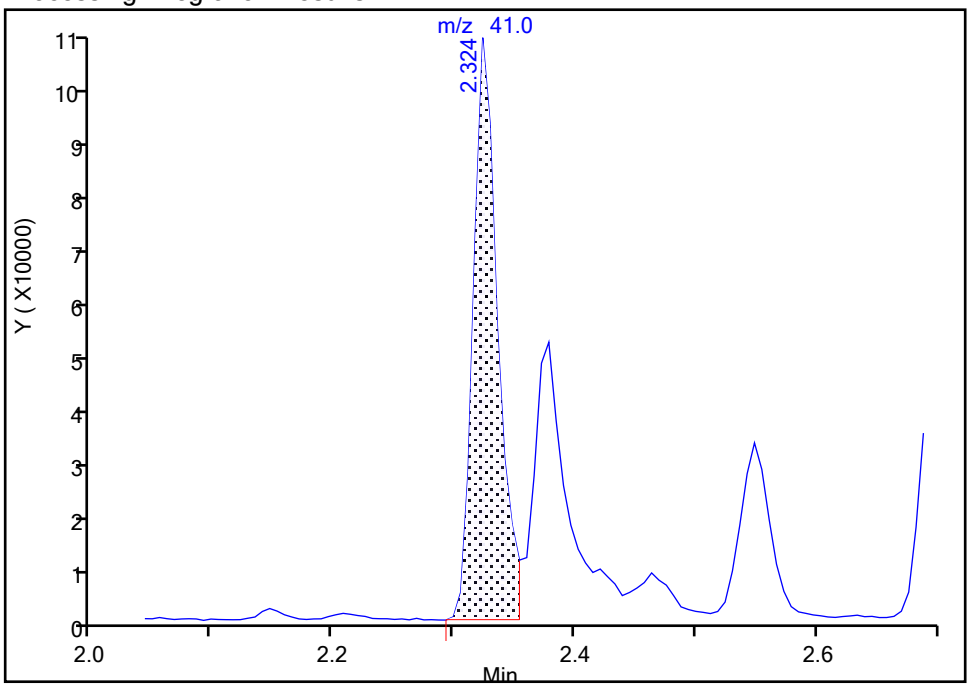
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

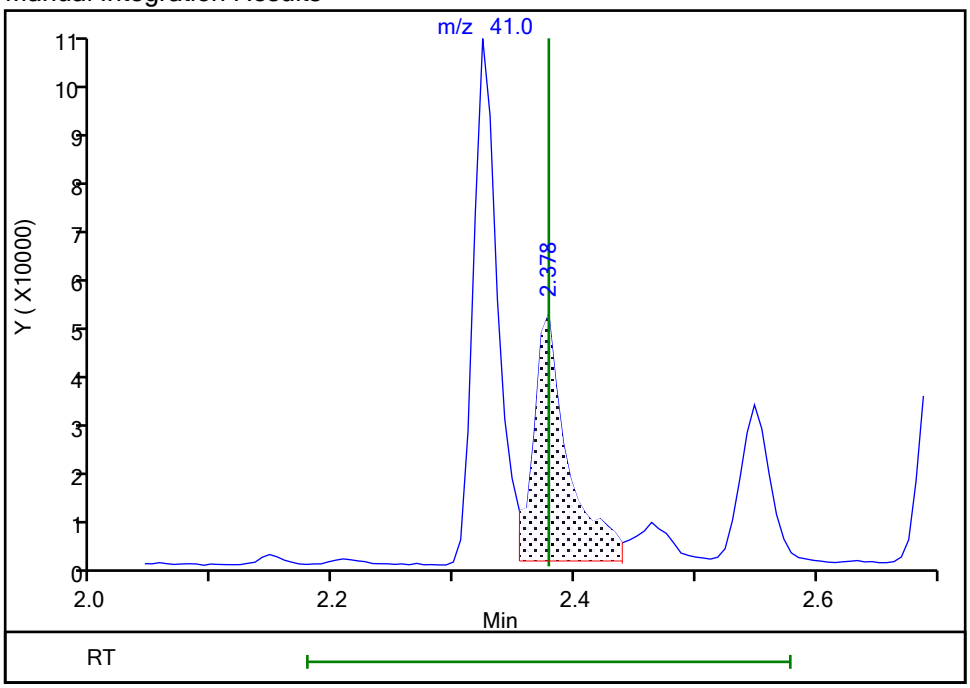
Processing Integration Results

RT: 2.32
Area: 146944
Amount: 247.3698
Amount Units: ug/l



Manual Integration Results

RT: 2.38
Area: 96858
Amount: 163.0536
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:53:06
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

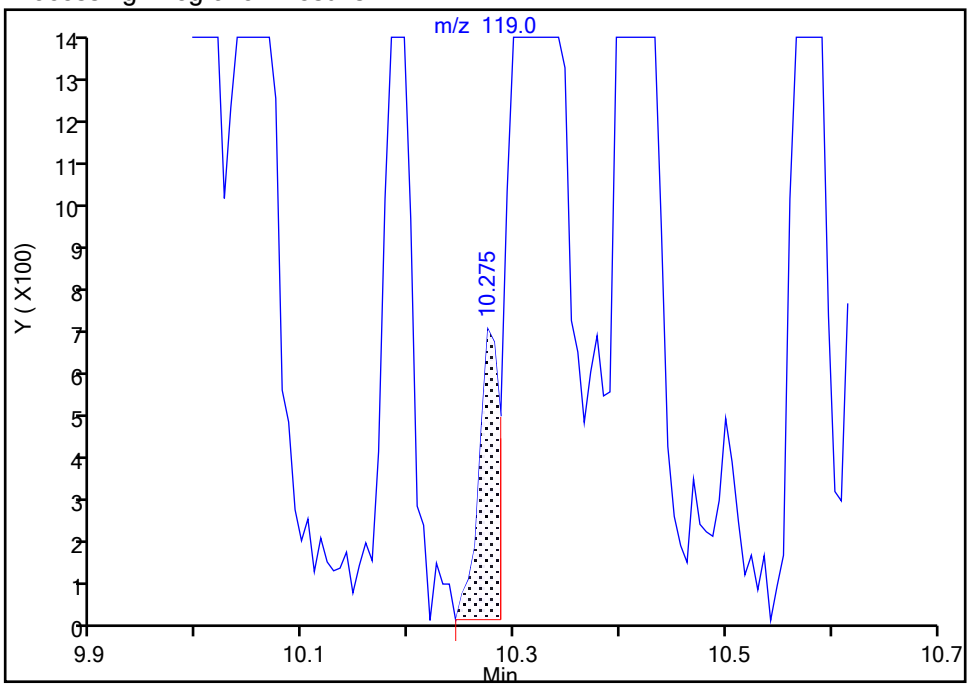
Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86200.D
Injection Date: 06-Feb-2023 05:35:30 Instrument ID: CVOAMS8
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

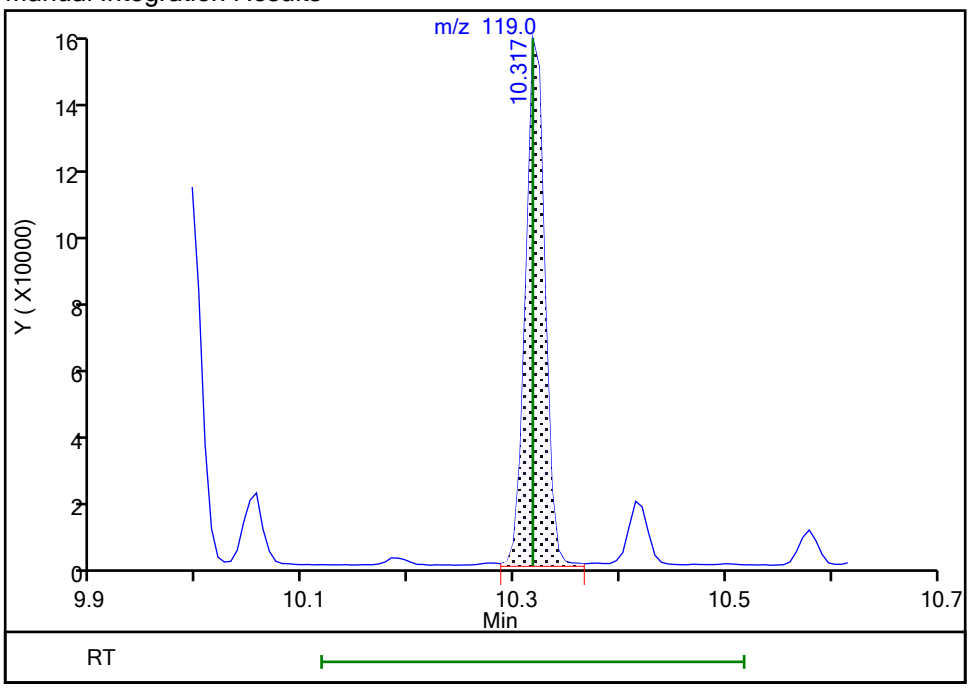
Processing Integration Results

RT: 10.27
Area: 915
Amount: 0.084330
Amount Units: ug/l



Manual Integration Results

RT: 10.32
Area: 196588
Amount: 18.118362
Amount Units: ug/l



Reviewer: N1JZ, 06-Feb-2023 05:53:32
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85632.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Jan-2023 09:32:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0155710-001				
Operator ID:		Instrument ID:	CVOAMS8		
Method:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\8260_W8.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	17-Jan-2023 21:55:40	Calib Date:	17-Jan-2023 14:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1661				
First Level Reviewer: KG2Q		Date:	17-Jan-2023 09:41:11		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

$ 139 BFB

QC Flag Legend

Review Flags
a - User Assigned ID

Reagents:

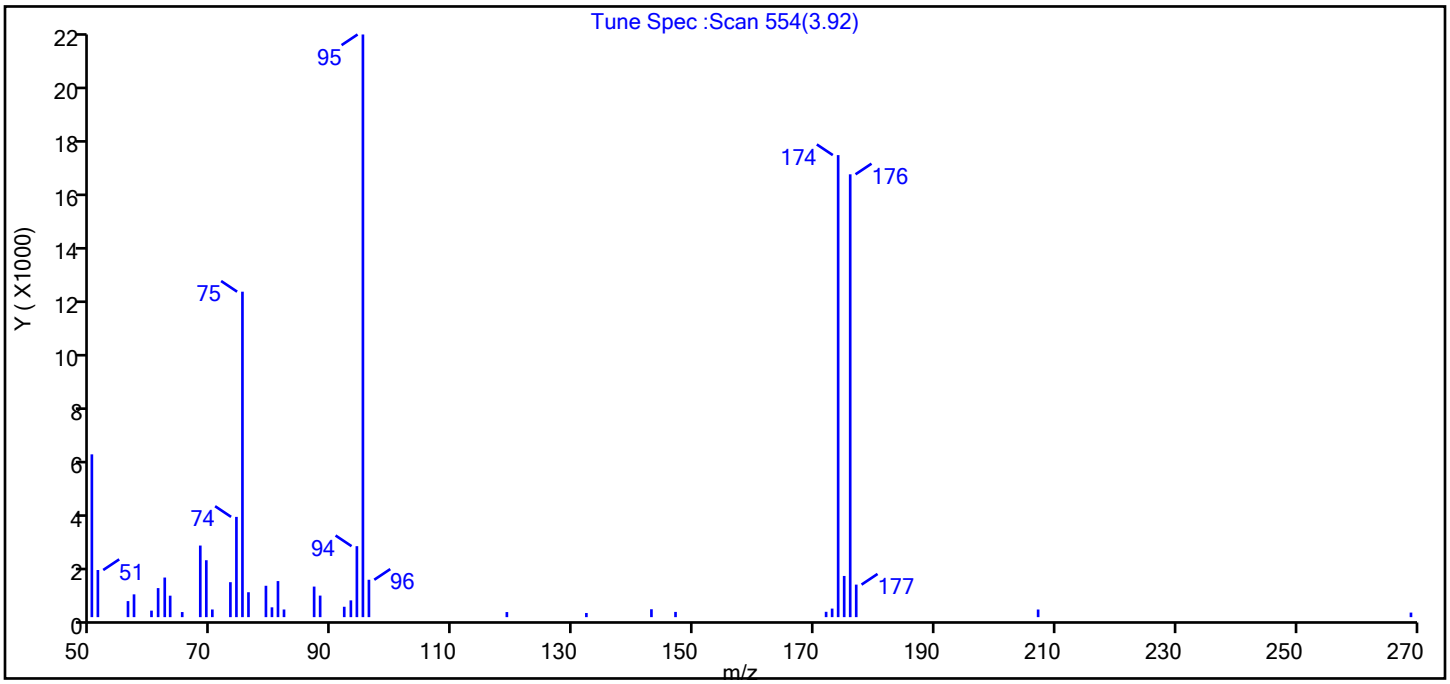
BFB_00033 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85632.D
Injection Date: 17-Jan-2023 09:32:30 Instrument ID: CVOAMS8
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (126.1)
96	5 to 9% of m/z 95	6.4
173	<2% of m/z 174	1.5 (1.9)
174	50 to 200% of m/z 95	79.3
175	5 to 9% of m/z 174	7.1 (8.9)
176	95 to 105% of m/z 174	76.0 (95.8)
177	5 to 10% of m/z 176	5.6 (7.3)

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85632.D\8260_W8.rslt\spectra.d
Injection Date: 17-Jan-2023 09:32:30
Spectrum: Tune Spec :Scan 554(3.92)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	6035	69.00	2110	87.00	1133	147.00	194
51.00	1747	70.00	284	88.00	799	172.00	198
56.00	595	73.00	1296	92.00	385	173.00	317
57.00	845	74.00	3717	93.00	622	174.00	17128
60.00	242	75.00	12065	94.00	2631	175.00	1527
61.00	1077	76.00	923	95.00	21600	176.00	16416
62.00	1468	79.00	1163	96.00	1386	177.00	1206
63.00	796	80.00	364	119.00	189	207.00	283
65.00	189	81.00	1337	132.00	154	269.00	169
68.00	2654	82.00	284	143.00	293		

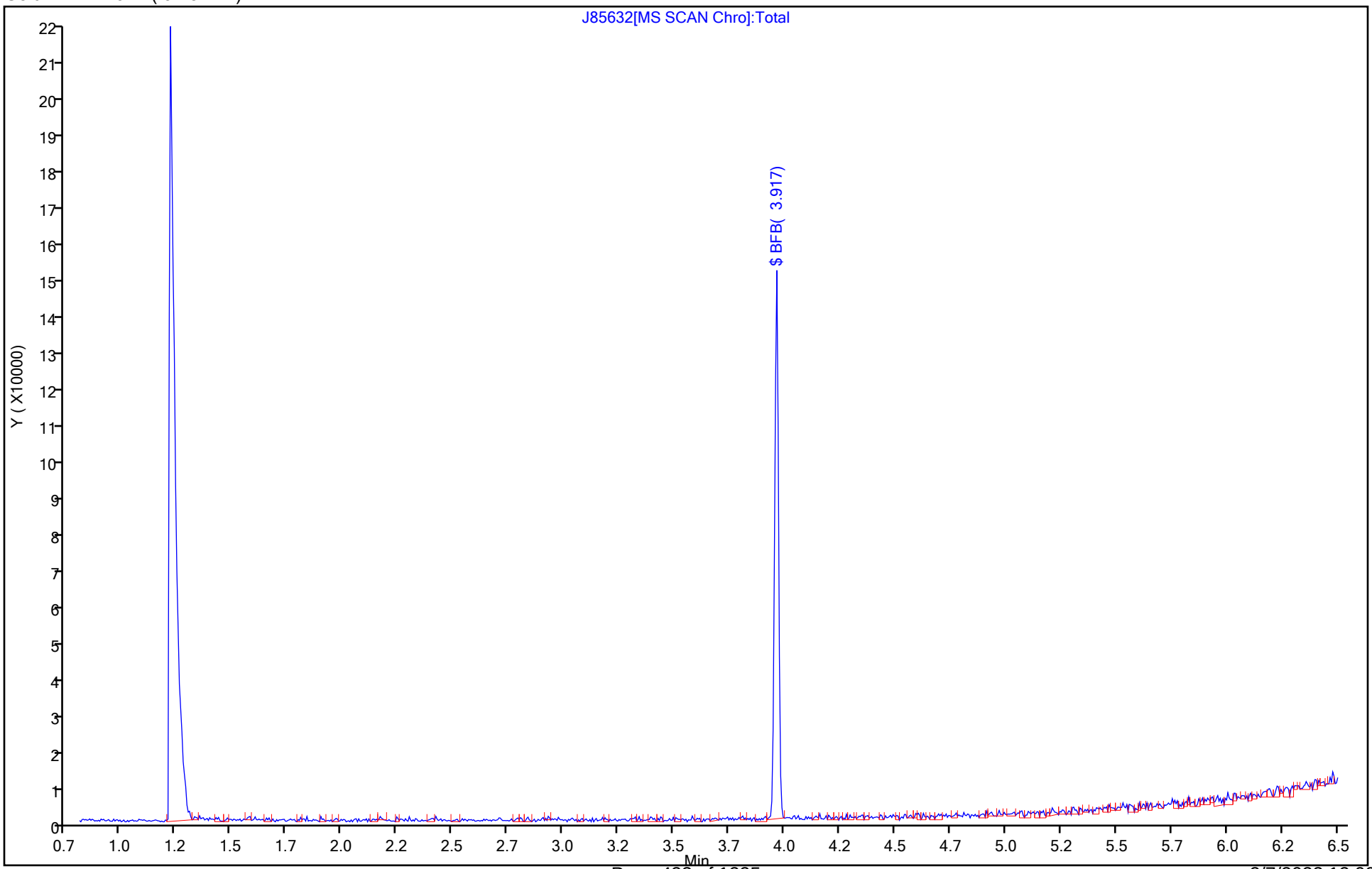
Report Date: 17-Jan-2023 21:55:40 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85632.D

Injection Date:	17-Jan-2023 09:32:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



2/7/2023 12:09 PM

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891570/10

Matrix: Water | Lab File ID: J86207.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 08:32

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
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
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.33
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
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	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891570/10

Matrix: Water | Lab File ID: J86207.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 08:32

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	1.0	U	1.0	0.32
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
104-51-8	n-Butylbenzene	1.0	U	1.0	0.32
103-65-1	N-Propylbenzene	1.0	U	1.0	0.32
95-47-6	o-Xylene	1.0	U	1.0	0.36
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.37
100-42-5	Styrene	1.0	U	1.0	0.42
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.34
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		70-128
460-00-4	4-Bromofluorobenzene	101		76-120
1868-53-7	Dibromofluoromethane (Surr)	105		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86207.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Feb-2023 08:32:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0156388-010
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:38:02 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: N1JZ Date: 06-Feb-2023 09:29:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	2.408	2.409	-0.001	74	257743	1000.0	1000.0	
* 43 2-Butanone-d5	46	3.320	3.321	-0.001	85	408807	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	3.746	3.747	-0.001	95	146126	50.0	52.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.074	4.076	-0.002	0	191512	50.0	43.8	
* 66 Fluorobenzene	96	4.336	4.337	-0.001	97	598127	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.048	5.043	0.005	0	29047	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.046	6.047	-0.001	98	468795	50.0	46.7	
* 94 Chlorobenzene-d5	117	7.998	7.999	-0.001	90	444235	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.325	9.326	-0.001	89	150212	50.0	50.6	
* 121 1,4-Dichlorobenzene-d4	152	10.377	10.378	-0.001	97	245948	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:
8260ISNEW_00171 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00235 Amount Added: 1.00 Units: uL Run Reagent

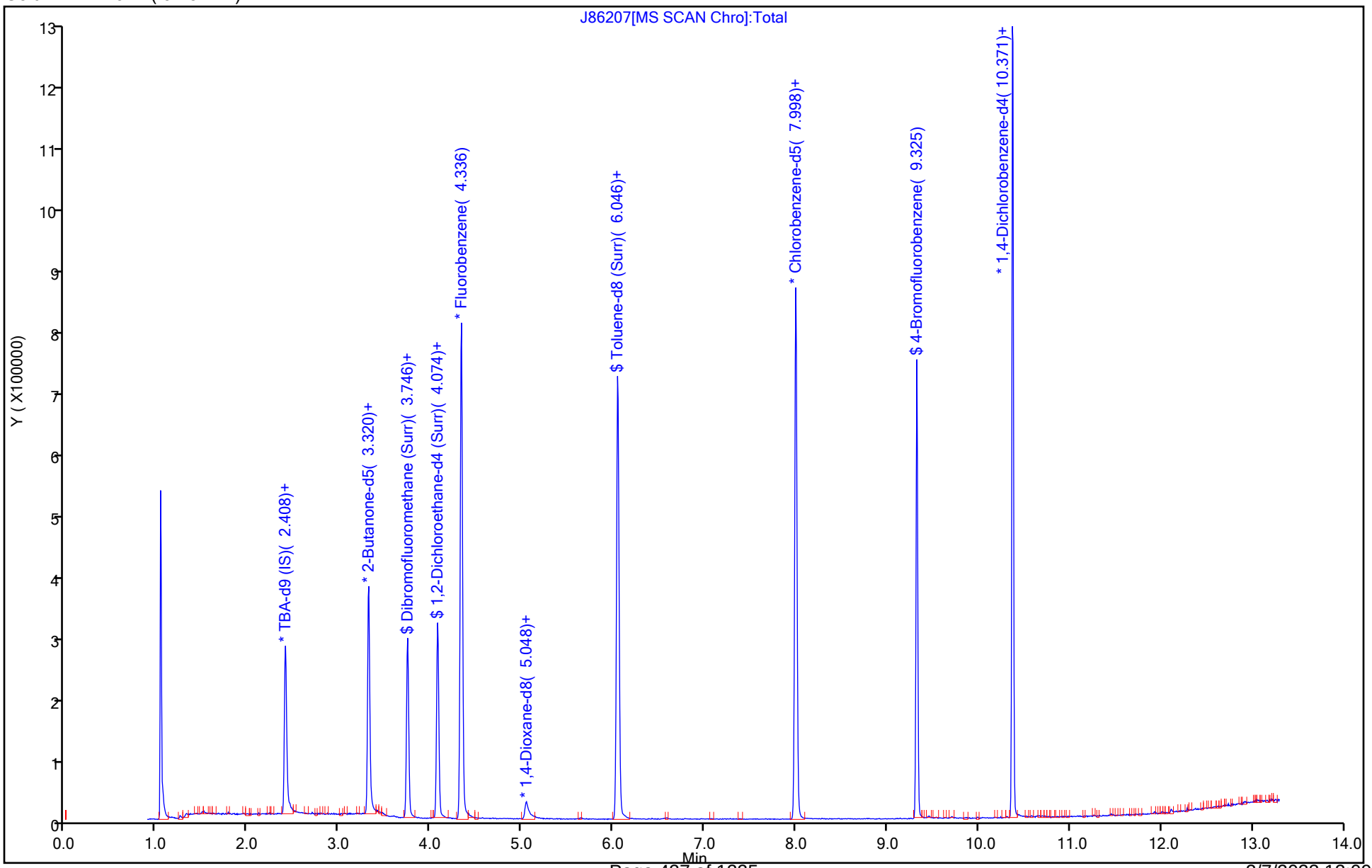
Report Date: 06-Feb-2023 10:38:02 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86207.D

Injection Date:	06-Feb-2023 08:32:30	Instrument ID:	CVOAMS8	Operator ID:	
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_W8	Limit Group:	VOA - 8260D Water and Solid		

Column: Rtx-624 (0.25 mm)



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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86207.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Feb-2023 08:32:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0156388-010
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:38:02 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: N1JZ Date: 06-Feb-2023 09:29:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	52.5	104.97
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	43.8	87.51
$ 83 Toluene-d8 (Surr)	50.0	46.7	93.48
$ 105 4-Bromofluorobenzene	50.0	50.6	101.25

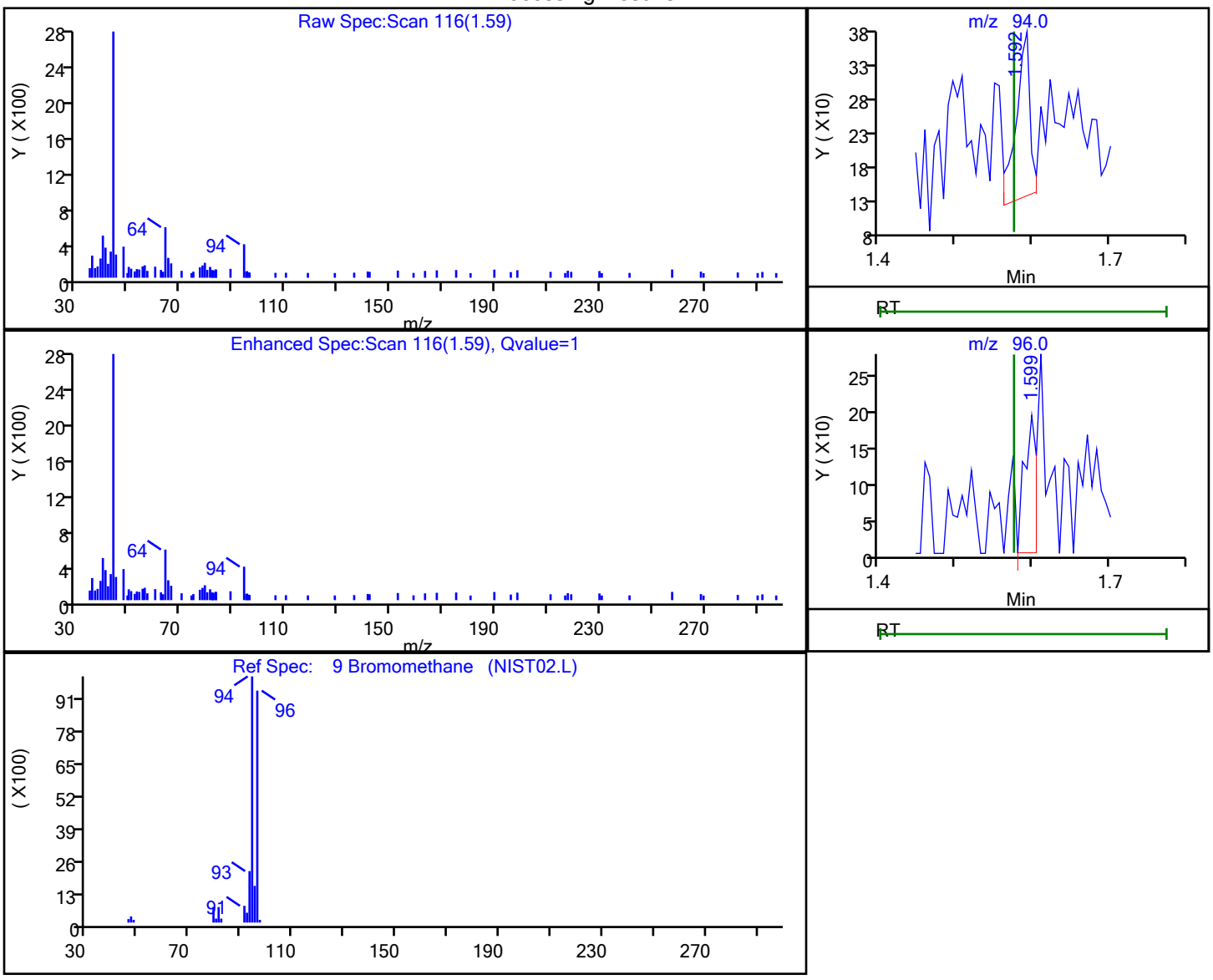
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86207.D
Injection Date: 06-Feb-2023 08:32:30 Instrument ID: CVOAMS8
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.59	94.00	305	0.474606
1.60	96.00	208	

Reviewer: NN6A, 06-Feb-2023 10:37:21
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.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891570/5

Matrix: Water | Lab File ID: J86202.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 06:25

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.0		1.0	0.31
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.20
75-34-3	1,1-Dichloroethane	18.3		1.0	0.26
75-35-4	1,1-Dichloroethene	19.7		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	22.3		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	20.7		1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	18.8		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.0	0.38
95-50-1	1,2-Dichlorobenzene	20.6		1.0	0.21
107-06-2	1,2-Dichloroethane	18.3		1.0	0.43
78-87-5	1,2-Dichloropropane	18.9		1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	18.4		1.0	0.33
541-73-1	1,3-Dichlorobenzene	20.4		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.7		1.0	0.33
78-93-3	2-Butanone (MEK)	105		5.0	1.9
591-78-6	2-Hexanone	101		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	95.1		5.0	1.3
67-64-1	Acetone	84.3		5.0	4.4
71-43-2	Benzene	19.9		1.0	0.20
75-25-2	Bromoform	21.0		1.0	0.54
74-83-9	Bromomethane	13.5		1.0	0.55
75-15-0	Carbon disulfide	18.9		1.0	0.82
56-23-5	Carbon tetrachloride	19.6		1.0	0.21
108-90-7	Chlorobenzene	21.3		1.0	0.38
74-97-5	Chlorobromomethane	21.5		1.0	0.41
124-48-1	Chlorodibromomethane	20.8		1.0	0.28
75-00-3	Chloroethane	17.2		1.0	0.32
67-66-3	Chloroform	20.2		1.0	0.33
74-87-3	Chloromethane	17.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.4		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.8		1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891570/5

Matrix: Water | Lab File ID: J86202.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 06:25

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	19.3		1.0	0.32
75-27-4	Dichlorobromomethane	19.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.4		1.0	0.31
100-41-4	Ethylbenzene	19.5		1.0	0.30
106-93-4	Ethylene Dibromide	20.8		1.0	0.50
98-82-8	Isopropylbenzene	19.6		1.0	0.34
79-20-9	Methyl acetate	32.4		5.0	0.79
1634-04-4	Methyl tert-butyl ether	18.6		1.0	0.22
108-87-2	Methylcyclohexane	18.9		1.0	0.71
75-09-2	Methylene Chloride	19.8		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.9		1.0	0.30
104-51-8	n-Butylbenzene	17.6		1.0	0.32
103-65-1	N-Propylbenzene	18.0		1.0	0.32
95-47-6	o-Xylene	19.4		1.0	0.36
135-98-8	sec-Butylbenzene	18.2		1.0	0.37
100-42-5	Styrene	21.0		1.0	0.42
98-06-6	tert-Butylbenzene	18.3		1.0	0.34
127-18-4	Tetrachloroethene	21.8		1.0	0.25
108-88-3	Toluene	19.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.0		1.0	0.22
79-01-6	Trichloroethene	20.3		1.0	0.31
75-69-4	Trichlorofluoromethane	18.4		1.0	0.32
75-01-4	Vinyl chloride	17.6		1.0	0.17
1330-20-7	Xylenes, Total	39.2		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		70-128
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	87		77-124
2037-26-5	Toluene-d8 (Surr)	84		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86202.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Feb-2023 06:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0156388-005
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:35:59 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 10:35:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.152	1.149	0.003	91	6421	20.0	18.7	
4 Dichlorodifluoromethane	85	1.176	1.174	0.002	99	98278	20.0	18.4	
5 Chlorodifluoromethane	67	1.194	1.192	0.002	96	16632	20.0	17.4	
6 Chloromethane	50	1.304	1.302	0.002	99	124200	20.0	17.0	
7 Vinyl chloride	62	1.358	1.362	-0.004	98	85837	20.0	17.6	
8 Butadiene	54	1.377	1.375	0.002	91	83347	20.0	16.9	
9 Bromomethane	94	1.571	1.575	-0.004	99	26153	20.0	13.5	
10 Chloroethane	64	1.626	1.630	-0.004	97	43286	20.0	17.2	
12 Dichlorofluoromethane	67	1.748	1.746	0.002	98	132999	20.0	17.8	
11 Trichlorofluoromethane	101	1.754	1.758	-0.004	98	101494	20.0	18.4	
13 Pentane	43	1.784	1.788	-0.004	94	253499	40.0	31.1	
14 Ethanol	46	1.888	1.886	0.002	98	13227	800.0	1086.1	M
15 Ethyl ether	59	1.924	1.928	-0.004	88	54074	20.0	18.1	
16 2-Methyl-1,3-butadiene	53	1.943	1.946	-0.004	95	67886	20.0	16.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.955	1.952	0.003	97	43544	20.0	18.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.991	1.995	-0.004	98	85246	20.0	18.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.052	2.050	0.002	95	57997	20.0	19.0	
19 Acrolein	56	2.058	2.056	0.002	96	24297	40.0	43.2	
21 1,1-Dichloroethene	96	2.082	2.086	-0.004	93	52935	20.0	19.7	
22 Acetone	43	2.149	2.147	0.002	83	110021	100.0	84.3	
23 Iodomethane	142	2.204	2.202	0.002	99	49643	20.0	14.3	
25 Isopropyl alcohol	45	2.210	2.208	0.002	99	49067	200.0	293.7	
24 Carbon disulfide	76	2.228	2.232	-0.004	100	213286	20.0	18.9	
26 3-Chloro-1-propene	76	2.326	2.324	0.002	89	35949	20.0	18.5	
28 Methyl acetate	43	2.332	2.330	0.002	98	132627	40.0	32.4	
27 Cyclopentene	67	2.344	2.342	0.002	95	135038	20.0	17.5	
29 Acetonitrile	41	2.374	2.378	-0.004	98	119246	200.0	189.4	
* 30 TBA-d9 (IS)	65	2.411	2.409	0.002	78	308691	1000.0	1000.0	
31 Methylene Chloride	84	2.423	2.427	-0.004	96	66734	20.0	19.8	
32 2-Methyl-2-propanol	59	2.466	2.463	0.003	97	62001	200.0	286.5	
33 Methyl tert-butyl ether	73	2.551	2.549	0.002	94	166878	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
34 trans-1,2-Dichloroethene	96	2.575	2.573	0.002	97	58695	20.0	19.3	
35 Acrylonitrile	53	2.630	2.634	-0.004	92	255815	200.0	178.0	
36 Hexane	57	2.697	2.695	0.002	90	79648	20.0	17.4	
37 Isopropyl ether	45	2.867	2.871	-0.004	96	265270	20.0	17.1	
38 1,1-Dichloroethane	63	2.904	2.902	0.002	99	132811	20.0	18.3	
39 Vinyl acetate	43	2.910	2.908	0.002	100	332224	40.0	44.0	
40 2-Chloro-1,3-butadiene	88	2.940	2.938	0.002	96	52776	20.0	19.4	
41 Tert-butyl ethyl ether	59	3.141	3.139	0.002	86	203660	20.0	18.8	
* 43 2-Butanone-d5	46	3.317	3.321	-0.004	95	477869	250.0	250.0	
42 2,2-Dichloropropane	79	3.330	3.327	0.003	91	32924	20.0	19.3	
44 cis-1,2-Dichloroethene	96	3.348	3.352	-0.004	91	66432	20.0	20.4	
45 Ethyl acetate	70	3.366	3.370	-0.004	96	14097	40.0	42.8	
46 2-Butanone (MEK)	72	3.366	3.370	-0.004	94	31101	100.0	104.8	
47 Methyl acrylate	55	3.421	3.419	0.002	99	62803	20.0	18.6	
48 Propionitrile	54	3.488	3.486	0.002	97	106462	200.0	214.1	
50 Chlorobromomethane	128	3.555	3.552	0.003	97	34159	20.0	21.5	
49 Tetrahydrofuran	72	3.561	3.559	0.002	91	15845	40.0	48.5	
51 Methacrylonitrile	67	3.579	3.577	0.002	98	286874	200.0	217.8	
52 Chloroform	83	3.603	3.601	0.002	97	126668	20.0	20.2	
53 Cyclohexane	84	3.719	3.717	0.002	95	79047	20.0	19.3	
54 1,1,1-Trichloroethane	97	3.731	3.735	-0.004	97	99661	20.0	19.8	
$ 55 Dibromofluoromethane (Surr)	113	3.743	3.747	-0.004	95	132049	50.0	43.7	
56 Carbon tetrachloride	117	3.841	3.838	0.003	97	84915	20.0	19.6	
57 1,1-Dichloropropene	75	3.871	3.869	0.002	90	88879	20.0	18.5	
58 Isobutyl alcohol	43	4.005	4.009	-0.004	97	113706	500.0	532.9	
59 Isooctane	57	4.023	4.027	-0.004	96	155345	20.0	18.8	a
60 Benzene	78	4.060	4.057	0.003	98	269504	20.0	19.9	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.078	4.076	0.002	0	172817	50.0	36.4	
62 Isopropyl acetate	43	4.120	4.118	0.002	93	247806	20.0	18.2	
63 Tert-amyl methyl ether	55	4.114	4.118	-0.004	89	59421	20.0	19.2	
64 1,2-Dichloroethane	62	4.145	4.149	-0.004	95	110939	20.0	18.3	
65 n-Heptane	57	4.206	4.203	0.003	95	33182	20.0	17.4	
* 66 Fluorobenzene	96	4.333	4.337	-0.004	97	648850	50.0	50.0	
67 n-Butanol	56	4.656	4.666	-0.010	93	38802	500.0	747.6	
68 Trichloroethene	95	4.680	4.684	-0.004	95	68610	20.0	20.3	
69 Methylcyclohexane	83	4.802	4.800	0.002	84	82106	20.0	18.9	
70 Ethyl acrylate	55	4.808	4.812	-0.004	97	167061	20.0	17.6	
71 1,2-Dichloropropane	63	4.972	4.976	-0.004	86	80034	20.0	18.9	
* 72 1,4-Dioxane-d8	96	5.051	5.043	0.008	0	37170	1000.0	1000.0	
73 Methyl methacrylate	100	5.063	5.067	-0.004	92	28219	40.0	41.7	
75 1,4-Dioxane	88	5.100	5.104	-0.004	47	15976	400.0	1272.0	
74 Dibromomethane	93	5.106	5.104	0.002	92	47939	20.0	21.3	
76 n-Propyl acetate	43	5.124	5.128	-0.004	97	125027	20.0	18.3	
77 Dichlorobromomethane	83	5.264	5.268	-0.004	98	97011	20.0	19.5	
78 2-Nitropropane	41	5.617	5.621	-0.004	90	40349	40.0	28.9	
79 2-Chloroethyl vinyl ether	63	5.629	5.633	-0.004	85	37285	20.0	16.9	
80 Epichlorohydrin	57	5.739	5.742	-0.003	98	128327	400.0	430.1	
81 cis-1,3-Dichloropropene	75	5.793	5.791	0.002	97	113101	20.0	18.8	
82 4-Methyl-2-pentanone (MIBK)	43	5.976	5.980	-0.004	98	399418	100.0	95.1	
$ 83 Toluene-d8 (Surr)	98	6.049	6.047	0.002	98	464166	50.0	42.2	
84 Toluene	91	6.128	6.132	-0.004	92	258928	20.0	19.4	
85 trans-1,3-Dichloropropene	75	6.529	6.533	-0.004	96	97846	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
86 Ethyl methacrylate	69	6.578	6.582	-0.004	95	70724	20.0	18.1	
87 1,1,2-Trichloroethane	83	6.767	6.765	0.003	93	55987	20.0	20.1	
88 Tetrachloroethene	166	6.797	6.795	0.002	94	63573	20.0	21.8	
89 1,3-Dichloropropane	76	6.992	6.996	-0.004	93	97606	20.0	18.5	
90 2-Hexanone	58	7.089	7.087	0.002	97	117867	100.0	101.2	
91 n-Butyl acetate	43	7.229	7.233	-0.004	95	122747	20.0	16.7	
92 Chlorodibromomethane	129	7.247	7.251	-0.004	97	67798	20.0	20.8	
93 Ethylene Dibromide	107	7.412	7.409	0.003	98	61839	20.0	20.8	
* 94 Chlorobenzene-d5	117	8.002	7.999	0.003	90	487540	50.0	50.0	
95 Chlorobenzene	112	8.032	8.036	-0.004	93	175154	20.0	21.3	
96 Ethylbenzene	106	8.142	8.145	-0.003	99	82707	20.0	19.5	
97 1,1,1,2-Tetrachloroethane	131	8.160	8.158	0.002	93	61804	20.0	20.4	
98 m-Xylene & p-Xylene	106	8.294	8.298	-0.004	0	101572	20.0	19.9	
99 o-Xylene	106	8.744	8.748	-0.004	93	98181	20.0	19.4	
100 n-Butyl acrylate	73	8.762	8.766	-0.004	94	47878	20.0	17.6	
101 Styrene	104	8.780	8.784	-0.004	93	182028	20.0	21.0	
103 Bromoform	173	8.993	8.991	0.002	94	43271	20.0	21.0	
102 Amyl acetate (mixed isomers)	43	9.011	9.009	0.002	85	138258	20.0	15.6	
104 Isopropylbenzene	105	9.127	9.125	0.002	97	243394	20.0	19.6	
$ 105 4-Bromofluorobenzene	174	9.328	9.326	0.002	90	152109	50.0	46.7	
106 Bromobenzene	156	9.450	9.453	-0.003	96	75377	20.0	20.4	
107 1,1,2,2-Tetrachloroethane	83	9.523	9.520	0.002	98	86623	20.0	19.5	
108 N-Propylbenzene	91	9.535	9.539	-0.004	98	311448	20.0	18.0	
109 1,2,3-Trichloropropane	110	9.559	9.557	0.002	95	20064	20.0	20.4	
110 trans-1,4-Dichloro-2-butene	53	9.583	9.587	-0.004	84	28575	20.0	17.2	
111 2-Chlorotoluene	91	9.632	9.630	0.002	98	226749	20.0	18.0	
112 4-Ethyltoluene	105	9.644	9.648	-0.004	98	260226	20.0	18.7	
113 1,3,5-Trimethylbenzene	105	9.711	9.715	-0.004	92	214293	20.0	18.4	
114 4-Chlorotoluene	91	9.742	9.745	-0.003	99	220254	20.0	18.5	
115 Butyl Methacrylate	87	9.827	9.831	-0.004	93	73979	20.0	16.5	
116 tert-Butylbenzene	119	9.991	9.995	-0.004	90	163034	20.0	18.3	
117 1,2,4-Trimethylbenzene	105	10.052	10.050	0.002	99	229152	20.0	18.8	
118 sec-Butylbenzene	105	10.186	10.189	-0.003	98	242332	20.0	18.2	
120 1,3-Dichlorobenzene	146	10.307	10.311	-0.004	94	139062	20.0	20.4	
119 4-Isopropyltoluene	119	10.319	10.317	0.002	97	209479	20.0	18.7	
* 121 1,4-Dichlorobenzene-d4	152	10.374	10.378	-0.004	97	287587	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.392	10.396	-0.004	96	146554	20.0	20.7	
123 1,2,3-Trimethylbenzene	105	10.417	10.415	0.002	99	242596	20.0	18.3	
124 Benzyl chloride	91	10.526	10.524	0.002	98	140984	20.0	19.7	
125 2,3-Dihydroindene	117	10.575	10.579	-0.004	94	238513	20.0	19.6	
126 p-Diethylbenzene	119	10.636	10.640	-0.004	91	130832	20.0	18.6	
127 n-Butylbenzene	92	10.660	10.658	0.002	97	111595	20.0	17.6	
128 1,2-Dichlorobenzene	146	10.703	10.707	-0.004	95	139361	20.0	20.6	
129 1,2,4,5-Tetramethylbenzene	119	11.262	11.266	-0.004	97	192474	20.0	17.6	
130 1,2-Dibromo-3-Chloropropane	157	11.348	11.345	0.003	92	16327	20.0	22.9	
131 1,3,5-Trichlorobenzene	180	11.457	11.455	0.002	96	93622	20.0	20.6	
132 1,2,4-Trichlorobenzene	180	11.932	11.929	0.003	94	85657	20.0	20.7	
133 Hexachlorobutadiene	225	12.017	12.015	0.002	96	31524	20.0	21.3	
134 Naphthalene	128	12.114	12.118	-0.004	99	226807	20.0	22.0	
135 1,2,3-Trichlorobenzene	180	12.290	12.288	0.002	94	83909	20.0	22.3	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 137 Xylenes, Total	100				0		40.0	39.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total BTEX	1				0		100.0	98.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524freon_00063	Amount Added:	20.00	Units: uL	
ACROLEIN W_00149	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00165	Amount Added:	20.00	Units: uL	
GASES Li_00514	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Feb-2023 10:36:00 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86202.D

Injection Date: 06-Feb-2023 06:25:30 Instrument ID: CVOAMS8 Operator ID:

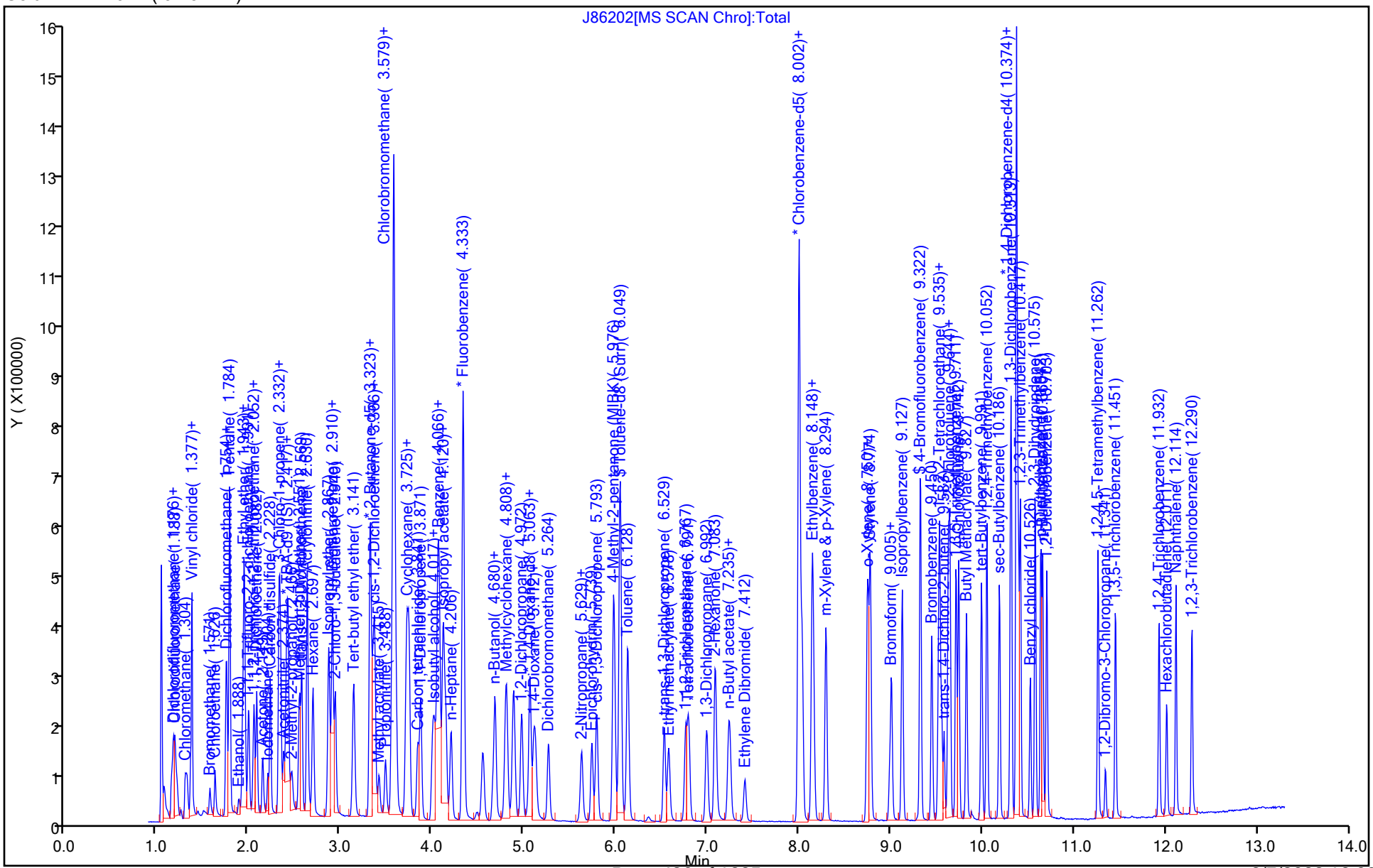
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86202.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Feb-2023 06:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0156388-005
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:35:59 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: NN6A Date: 06-Feb-2023 10:35:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	43.7	87.44
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	36.4	72.79
$ 83 Toluene-d8 (Surr)	50.0	42.2	84.33
$ 105 4-Bromofluorobenzene	50.0	46.7	93.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891570/6

Matrix: Water | Lab File ID: J86203.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 06:51

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	19.4		1.0	0.20
75-34-3	1,1-Dichloroethane	17.5		1.0	0.26
75-35-4	1,1-Dichloroethene	19.2		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	21.1		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	20.0		1.0	0.37
95-63-6	1,2,4-Trimethylbenzene	18.1		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	23.1		1.0	0.38
95-50-1	1,2-Dichlorobenzene	20.3		1.0	0.21
107-06-2	1,2-Dichloroethane	17.4		1.0	0.43
78-87-5	1,2-Dichloropropane	18.3		1.0	0.35
108-67-8	1,3,5-Trimethylbenzene	18.1		1.0	0.33
541-73-1	1,3-Dichlorobenzene	20.1		1.0	0.34
106-46-7	1,4-Dichlorobenzene	20.4		1.0	0.33
78-93-3	2-Butanone (MEK)	106		5.0	1.9
591-78-6	2-Hexanone	99.5		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	95.2		5.0	1.3
67-64-1	Acetone	86.5		5.0	4.4
71-43-2	Benzene	19.3		1.0	0.20
75-25-2	Bromoform	20.3		1.0	0.54
74-83-9	Bromomethane	13.7		1.0	0.55
75-15-0	Carbon disulfide	18.7		1.0	0.82
56-23-5	Carbon tetrachloride	19.1		1.0	0.21
108-90-7	Chlorobenzene	21.1		1.0	0.38
74-97-5	Chlorobromomethane	21.3		1.0	0.41
124-48-1	Chlorodibromomethane	20.0		1.0	0.28
75-00-3	Chloroethane	17.4		1.0	0.32
67-66-3	Chloroform	19.7		1.0	0.33
74-87-3	Chloromethane	17.5		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.1		1.0	0.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891570/6

Matrix: Water | Lab File ID: J86203.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 02/06/2023 06:51

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.: 891570 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
110-82-7	Cyclohexane	18.6		1.0	0.32
75-27-4	Dichlorobromomethane	18.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.5		1.0	0.31
100-41-4	Ethylbenzene	19.3		1.0	0.30
106-93-4	Ethylene Dibromide	20.6		1.0	0.50
98-82-8	Isopropylbenzene	19.1		1.0	0.34
79-20-9	Methyl acetate	31.9		5.0	0.79
1634-04-4	Methyl tert-butyl ether	18.2		1.0	0.22
108-87-2	Methylcyclohexane	18.4		1.0	0.71
75-09-2	Methylene Chloride	18.9		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	19.3		1.0	0.30
104-51-8	n-Butylbenzene	18.2		1.0	0.32
103-65-1	N-Propylbenzene	17.6		1.0	0.32
95-47-6	o-Xylene	18.8		1.0	0.36
135-98-8	sec-Butylbenzene	18.2		1.0	0.37
100-42-5	Styrene	20.3		1.0	0.42
98-06-6	tert-Butylbenzene	18.5		1.0	0.34
127-18-4	Tetrachloroethene	21.2		1.0	0.25
108-88-3	Toluene	19.1		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	17.5		1.0	0.22
79-01-6	Trichloroethene	20.2		1.0	0.31
75-69-4	Trichlorofluoromethane	17.9		1.0	0.32
75-01-4	Vinyl chloride	17.8		1.0	0.17
1330-20-7	Xylenes, Total	38.1		2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		70-128
460-00-4	4-Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86203.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Feb-2023 06:51:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0156388-006
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:37:09 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: N1JZ Date: 06-Feb-2023 07:39:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	118	1.148	1.149	-0.001	92	7088	20.0	20.9	
4 Dichlorodifluoromethane	85	1.173	1.174	-0.001	99	98060	20.0	18.5	
5 Chlorodifluoromethane	67	1.191	1.192	-0.001	96	16622	20.0	17.6	
6 Chloromethane	50	1.313	1.302	0.011	99	127186	20.0	17.5	
7 Vinyl chloride	62	1.361	1.362	-0.001	98	86103	20.0	17.8	
8 Butadiene	54	1.373	1.375	-0.002	92	82533	20.0	16.9	
9 Bromomethane	94	1.568	1.575	-0.007	99	26248	20.0	13.7	
10 Chloroethane	64	1.629	1.630	-0.001	97	43214	20.0	17.4	
12 Dichlorofluoromethane	67	1.745	1.746	-0.001	98	130670	20.0	17.6	
11 Trichlorofluoromethane	101	1.757	1.758	-0.001	97	97707	20.0	17.9	
13 Pentane	43	1.787	1.788	-0.001	94	248486	40.0	30.8	
14 Ethanol	46	1.884	1.886	-0.002	96	12686	800.0	1108.6	M
15 Ethyl ether	59	1.927	1.928	-0.001	88	50640	20.0	17.1	
16 2-Methyl-1,3-butadiene	53	1.939	1.946	-0.007	96	67101	20.0	16.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	1.951	1.952	-0.001	97	43519	20.0	18.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	1.994	1.995	-0.001	98	87204	20.0	19.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.049	2.050	-0.001	96	56656	20.0	18.7	
19 Acrolein	56	2.055	2.056	-0.001	93	19945	40.0	37.7	
21 1,1-Dichloroethene	96	2.079	2.086	-0.007	94	50998	20.0	19.2	
22 Acetone	43	2.146	2.147	-0.001	83	105284	100.0	86.5	
23 Iodomethane	142	2.201	2.202	-0.001	100	53354	20.0	15.6	
25 Isopropyl alcohol	45	2.207	2.208	-0.001	98	47233	200.0	300.9	
24 Carbon disulfide	76	2.231	2.232	-0.001	100	209479	20.0	18.7	
26 3-Chloro-1-propene	76	2.323	2.324	-0.002	90	34931	20.0	18.2	
28 Methyl acetate	43	2.329	2.330	-0.001	98	122594	40.0	31.9	
27 Cyclopentene	67	2.341	2.342	-0.001	94	129364	20.0	16.9	
29 Acetonitrile	41	2.377	2.378	-0.001	96	115868	200.0	195.8	
* 30 TBA-d9 (IS)	65	2.408	2.409	-0.001	75	290063	1000.0	1000.0	
31 Methylene Chloride	84	2.426	2.427	-0.001	95	62960	20.0	18.9	
32 2-Methyl-2-propanol	59	2.462	2.463	-0.001	97	56812	200.0	279.4	
33 Methyl tert-butyl ether	73	2.548	2.549	-0.001	94	161476	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	2.572	2.573	-0.001	97	58145	20.0	19.3	
35 Acrylonitrile	53	2.633	2.634	-0.001	93	246945	200.0	182.9	
36 Hexane	57	2.694	2.695	-0.001	90	76127	20.0	16.8	
37 Isopropyl ether	45	2.870	2.871	-0.001	97	254195	20.0	16.5	
38 1,1-Dichloroethane	63	2.900	2.902	-0.002	100	126347	20.0	17.5	
39 Vinyl acetate	43	2.907	2.908	-0.002	100	241259	40.0	32.2	
40 2-Chloro-1,3-butadiene	88	2.943	2.938	0.005	96	51233	20.0	19.0	
41 Tert-butyl ethyl ether	59	3.138	3.139	-0.001	86	195202	20.0	18.2	
* 43 2-Butanone-d5	46	3.320	3.321	-0.001	95	445715	250.0	250.0	
42 2,2-Dichloropropane	79	3.326	3.327	-0.001	92	30751	20.0	18.2	
44 cis-1,2-Dichloroethene	96	3.351	3.352	-0.001	91	63471	20.0	19.7	
45 Ethyl acetate	70	3.369	3.370	-0.001	95	12367	40.0	40.2	
46 2-Butanone (MEK)	72	3.369	3.370	-0.001	94	29214	100.0	105.5	
47 Methyl acrylate	55	3.418	3.419	-0.001	99	58109	20.0	17.3	
48 Propionitrile	54	3.484	3.486	-0.002	97	103912	200.0	222.4	
50 Chlorobromomethane	128	3.551	3.552	-0.001	97	33500	20.0	21.3	
49 Tetrahydrofuran	72	3.557	3.559	-0.002	91	15391	40.0	50.5	
51 Methacrylonitrile	67	3.576	3.577	-0.001	99	271680	200.0	208.3	
52 Chloroform	83	3.600	3.601	-0.001	97	122464	20.0	19.7	
53 Cyclohexane	84	3.716	3.717	-0.001	96	75494	20.0	18.6	
54 1,1,1-Trichloroethane	97	3.728	3.735	-0.007	96	94847	20.0	19.0	
$ 55 Dibromofluoromethane (Surr)	113	3.746	3.747	-0.001	95	151171	50.0	50.5	
56 Carbon tetrachloride	117	3.837	3.838	-0.001	97	81797	20.0	19.1	
57 1,1-Dichloropropene	75	3.868	3.869	-0.001	89	86228	20.0	18.1	
58 Isobutyl alcohol	43	4.002	4.009	-0.007	96	111316	500.0	555.2	
59 Isooctane	57	4.026	4.027	-0.001	97	147499	20.0	18.0	a
60 Benzene	78	4.056	4.057	-0.001	98	257099	20.0	19.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.075	4.076	-0.001	0	196635	50.0	41.8	
62 Isopropyl acetate	43	4.117	4.118	-0.001	94	229492	20.0	17.0	
63 Tert-amyl methyl ether	55	4.117	4.118	-0.001	90	56894	20.0	18.6	
64 1,2-Dichloroethane	62	4.148	4.149	-0.001	96	104617	20.0	17.4	
65 n-Heptane	57	4.202	4.203	-0.001	95	31654	20.0	16.8	
* 66 Fluorobenzene	96	4.336	4.337	-0.001	97	642503	50.0	50.0	
67 n-Butanol	56	4.659	4.666	-0.007	94	35123	500.0	720.2	
68 Trichloroethene	95	4.683	4.684	-0.001	97	67453	20.0	20.2	
69 Methylcyclohexane	83	4.798	4.800	-0.002	84	79161	20.0	18.4	
70 Ethyl acrylate	55	4.811	4.812	-0.001	97	161332	20.0	17.2	
71 1,2-Dichloropropane	63	4.969	4.976	-0.007	87	76796	20.0	18.3	
* 72 1,4-Dioxane-d8	96	5.048	5.043	0.005	0	36266	1000.0	1000.0	
73 Methyl methacrylate	100	5.066	5.067	-0.001	92	26407	40.0	39.4	
75 1,4-Dioxane	88	5.103	5.104	-0.001	35	15870	400.0	1291.4	M
74 Dibromomethane	93	5.103	5.104	-0.001	93	45415	20.0	20.3	
76 n-Propyl acetate	43	5.127	5.128	-0.001	98	117963	20.0	17.4	
77 Dichlorobromomethane	83	5.267	5.268	-0.001	98	90964	20.0	18.5	
78 2-Nitropropane	41	5.620	5.621	-0.001	94	37609	40.0	28.7	
79 2-Chloroethyl vinyl ether	63	5.632	5.633	-0.001	94	36425	20.0	16.7	
80 Epichlorohydrin	57	5.741	5.742	-0.001	99	120181	400.0	431.9	
81 cis-1,3-Dichloropropene	75	5.790	5.791	-0.001	97	107104	20.0	18.1	
82 4-Methyl-2-pentanone (MIBK)	43	5.979	5.980	-0.001	98	372857	100.0	95.2	
$ 83 Toluene-d8 (Surr)	98	6.046	6.047	-0.001	98	529794	50.0	48.9	
84 Toluene	91	6.131	6.132	-0.001	93	251207	20.0	19.1	
85 trans-1,3-Dichloropropene	75	6.526	6.533	-0.007	96	93570	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
86 Ethyl methacrylate	69	6.575	6.582	-0.007	96	67296	20.0	17.4	
87 1,1,2-Trichloroethane	83	6.763	6.765	-0.001	95	53119	20.0	19.4	
88 Tetrachloroethene	166	6.794	6.795	-0.001	93	60863	20.0	21.2	
89 1,3-Dichloropropane	76	6.989	6.996	-0.007	94	93560	20.0	18.0	
90 2-Hexanone	58	7.086	7.087	-0.001	97	108098	100.0	99.5	
91 n-Butyl acetate	43	7.232	7.233	-0.001	95	111956	20.0	15.4	
92 Chlorodibromomethane	129	7.244	7.251	-0.007	97	64232	20.0	20.0	
93 Ethylene Dibromide	107	7.408	7.409	-0.001	98	60141	20.0	20.6	
* 94 Chlorobenzene-d5	117	7.998	7.999	-0.001	89	480118	50.0	50.0	
95 Chlorobenzene	112	8.035	8.036	-0.001	94	170829	20.0	21.1	
96 Ethylbenzene	106	8.144	8.145	-0.001	99	80735	20.0	19.3	
97 1,1,1,2-Tetrachloroethane	131	8.157	8.158	-0.001	95	58220	20.0	19.5	
98 m-Xylene & p-Xylene	106	8.296	8.298	-0.002	0	97360	20.0	19.3	
99 o-Xylene	106	8.747	8.748	-0.001	93	93852	20.0	18.8	
100 n-Butyl acrylate	73	8.765	8.766	-0.001	94	45144	20.0	16.8	
101 Styrene	104	8.777	8.784	-0.007	93	172928	20.0	20.3	
103 Bromoform	173	8.990	8.991	-0.001	94	41063	20.0	20.3	
102 Amyl acetate (mixed isomers)	43	9.008	9.009	-0.001	86	129199	20.0	14.8	
104 Isopropylbenzene	105	9.124	9.125	-0.001	98	233780	20.0	19.1	
$ 105 4-Bromofluorobenzene	174	9.325	9.326	-0.001	89	175802	50.0	54.8	
106 Bromobenzene	156	9.452	9.453	-0.001	96	72282	20.0	19.9	
107 1,1,2,2-Tetrachloroethane	83	9.519	9.520	-0.001	98	79636	20.0	18.2	
108 N-Propylbenzene	91	9.531	9.539	-0.008	99	299578	20.0	17.6	
109 1,2,3-Trichloropropane	110	9.556	9.557	-0.001	96	18407	20.0	19.0	
110 trans-1,4-Dichloro-2-butene	53	9.586	9.587	-0.001	85	26702	20.0	16.4	
111 2-Chlorotoluene	91	9.629	9.630	-0.001	98	220720	20.0	17.8	
112 4-Ethyltoluene	105	9.647	9.648	-0.001	98	251670	20.0	18.4	
113 1,3,5-Trimethylbenzene	105	9.714	9.715	-0.001	92	207323	20.0	18.1	
114 4-Chlorotoluene	91	9.744	9.745	-0.001	98	224853	20.0	19.3	
115 Butyl Methacrylate	87	9.829	9.831	-0.002	93	71583	20.0	16.3	
116 tert-Butylbenzene	119	9.994	9.995	-0.001	90	161837	20.0	18.5	
117 1,2,4-Trimethylbenzene	105	10.049	10.050	-0.002	99	217056	20.0	18.1	
118 sec-Butylbenzene	105	10.188	10.189	-0.001	98	238928	20.0	18.2	
120 1,3-Dichlorobenzene	146	10.310	10.311	-0.001	94	135198	20.0	20.1	
119 4-Isopropyltoluene	119	10.316	10.317	-0.001	97	203304	20.0	18.4	
* 121 1,4-Dichlorobenzene-d4	152	10.377	10.378	-0.001	97	282617	50.0	50.0	
122 1,4-Dichlorobenzene	146	10.395	10.396	-0.001	95	142328	20.0	20.4	
123 1,2,3-Trimethylbenzene	105	10.414	10.415	-0.001	99	237817	20.0	18.2	
124 Benzyl chloride	91	10.523	10.524	-0.001	97	126093	20.0	17.9	
125 2,3-Dihydroindene	117	10.578	10.579	-0.001	94	231646	20.0	19.4	
126 p-Diethylbenzene	119	10.639	10.640	-0.001	92	127895	20.0	18.5	
127 n-Butylbenzene	92	10.657	10.658	-0.001	97	113053	20.0	18.2	
128 1,2-Dichlorobenzene	146	10.706	10.707	-0.001	95	135082	20.0	20.3	
129 1,2,4,5-Tetramethylbenzene	119	11.265	11.266	-0.001	97	190571	20.0	17.7	
130 1,2-Dibromo-3-Chloropropane	157	11.344	11.345	-0.001	90	16172	20.0	23.1	
131 1,3,5-Trichlorobenzene	180	11.454	11.455	-0.001	95	88493	20.0	19.8	
132 1,2,4-Trichlorobenzene	180	11.928	11.929	-0.001	94	81027	20.0	20.0	
133 Hexachlorobutadiene	225	12.013	12.015	-0.002	93	31011	20.0	21.3	
134 Naphthalene	128	12.111	12.118	-0.007	99	217113	20.0	21.5	
135 1,2,3-Trichlorobenzene	180	12.287	12.288	-0.001	94	77845	20.0	21.1	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.0	
S 137 Xylenes, Total	100				0		40.0	38.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 138 Total BTEX	1				0		100.0	95.8	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524freon_00063	Amount Added:	20.00	Units: uL	
ACROLEIN W_00149	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00165	Amount Added:	20.00	Units: uL	
GASES Li_00514	Amount Added:	20.00	Units: uL	
8260ISNEW_00171	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00235	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Feb-2023 10:37:09 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86203.D

Injection Date: 06-Feb-2023 06:51:30 Instrument ID: CVOAMS8 Operator ID:

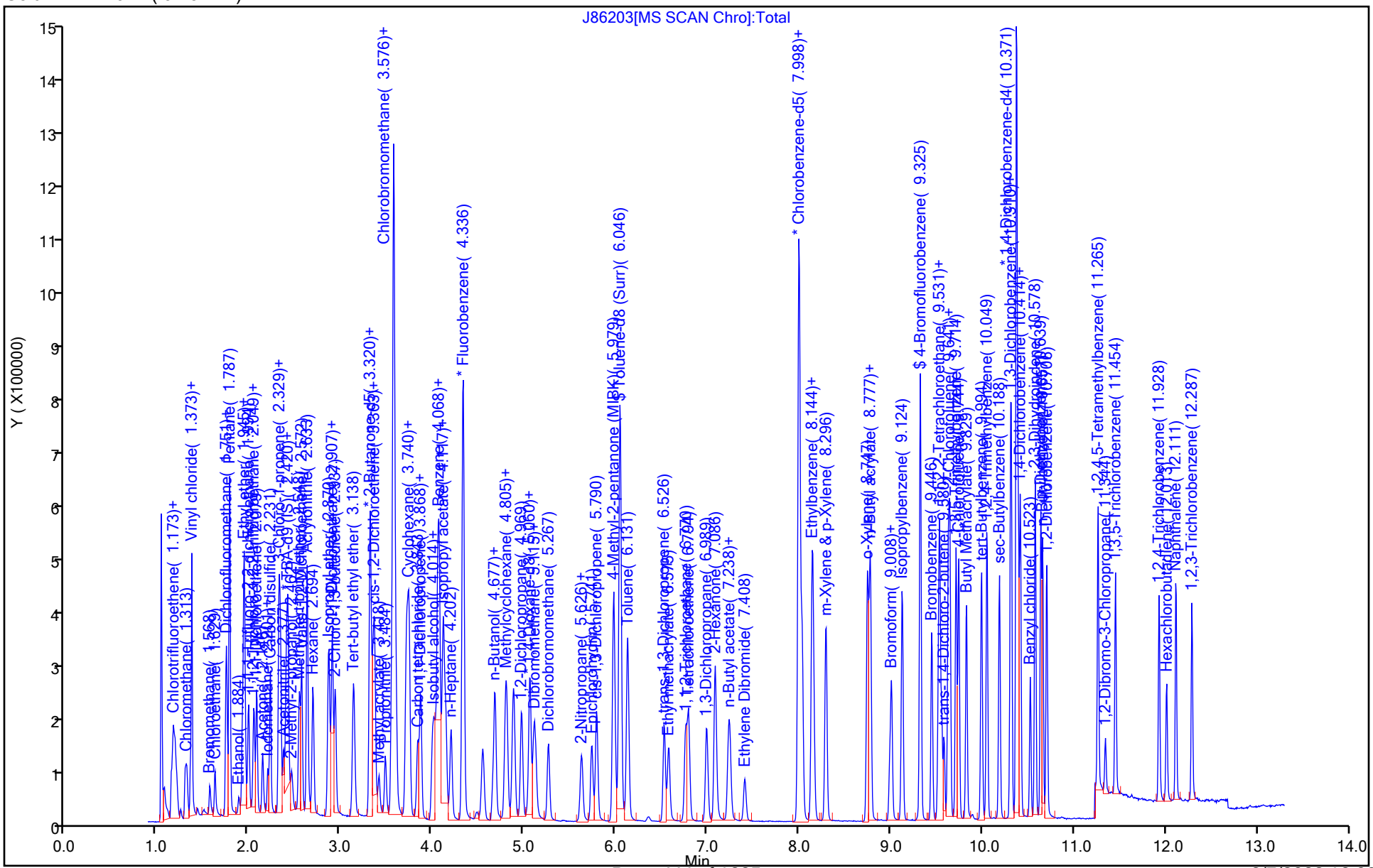
Lims ID: LCSD Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_W8 Limit Group: VOA - 8260D Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\J86203.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Feb-2023 06:51:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0156388-006
Operator ID: Instrument ID: CVOAMS8

Method: \\chromfs\Edison\ChromData\CVOAMS8\20230206-156388.b\8260_W8.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 06-Feb-2023 10:37:09 Calib Date: 17-Jan-2023 14:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS8\20230117-155710.b\J85642.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1627

First Level Reviewer: N1JZ Date: 06-Feb-2023 07:39:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	50.5	101.09
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	41.8	83.64
$ 83 Toluene-d8 (Surr)	50.0	48.9	97.75
$ 105 4-Bromofluorobenzene	50.0	54.8	109.65

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 01/17/2023 09:32

Analysis Batch Number: 888485 End Date: 01/18/2023 01:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-888485/1		01/17/2023 09:32	1	J85632.D	Rtx-624 0.25(mm)
STD7 460-888485/3 IC		01/17/2023 10:29	1	J85634.D	Rtx-624 0.25(mm)
STD1 460-888485/4 IC		01/17/2023 11:13	1	J85635.D	Rtx-624 0.25(mm)
STD5 460-888485/5 IC		01/17/2023 11:38	1	J85636.D	Rtx-624 0.25(mm)
STD20 460-888485/6 ICIS		01/17/2023 12:03	1	J85637.D	Rtx-624 0.25(mm)
STD50 460-888485/7 IC		01/17/2023 12:28	1	J85638.D	Rtx-624 0.25(mm)
STD500 460-888485/9 IC		01/17/2023 13:19	1	J85640.D	Rtx-624 0.25(mm)
STD200 460-888485/11 IC		01/17/2023 14:34	1	J85642.D	Rtx-624 0.25(mm)
ICV 460-888485/17		01/17/2023 17:04	1	J85648.D	Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 18:32	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 18:57	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 21:02	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 21:27	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 21:51	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 22:17	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 22:42	1		Rtx-624 0.25(mm)
ZZZZZ		01/17/2023 23:07	10		Rtx-624 0.25(mm)
ZZZZZ		01/18/2023 00:23	500		Rtx-624 0.25(mm)
ZZZZZ		01/18/2023 00:48	500		Rtx-624 0.25(mm)
ZZZZZ		01/18/2023 01:13	500		Rtx-624 0.25(mm)
ZZZZZ		01/18/2023 01:38	500		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CVOAMS8 Start Date: 02/06/2023 04:47

Analysis Batch Number: 891570 End Date: 02/06/2023 17:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/06/2023 04:47	1		Rtx-624 0.25(mm)
CCVIS 460-891570/3		02/06/2023 05:35	1	J86200.D	Rtx-624 0.25(mm)
LCS 460-891570/5		02/06/2023 06:25	1	J86202.D	Rtx-624 0.25(mm)
LCSD 460-891570/6		02/06/2023 06:51	1	J86203.D	Rtx-624 0.25(mm)
MB 460-891570/10		02/06/2023 08:32	1	J86207.D	Rtx-624 0.25(mm)
ZZZZZ		02/06/2023 09:47	10		Rtx-624 0.25(mm)
460-273970-1	MW-07_20230202	02/06/2023 10:12	1	J86211.D	Rtx-624 0.25(mm)
460-273970-2	MW-10_20230202	02/06/2023 10:37	1	J86212.D	Rtx-624 0.25(mm)
460-273970-3	MW-09_20230202	02/06/2023 11:02	1	J86213.D	Rtx-624 0.25(mm)
460-273970-4	MW-08_20230202	02/06/2023 11:27	1	J86214.D	Rtx-624 0.25(mm)
ZZZZZ		02/06/2023 12:17	10		Rtx-624 0.25(mm)
ZZZZZ		02/06/2023 13:32	10		Rtx-624 0.25(mm)
ZZZZZ		02/06/2023 13:57	1		Rtx-624 0.25(mm)
ZZZZZ		02/06/2023 17:17	1		Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 888485 Batch Start Date: 01/17/23 09:32 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	14DIOXINTER 00150	524freon 00062	8260 SP 00162	8260ISNEW 00171
BFB 460-888485/1		8260D		5 mL	5 mL				
STD7 460-888485/3 IC		8260D		5 mL	5 mL				1 uL
STD1 460-888485/4 IC		8260D		5 mL	5 mL	30 uL	10 uL		1 uL
STD5 460-888485/5 IC		8260D		5 mL	5 mL		10 uL		1 uL
STD20 460-888485/6 ICIS		8260D		5 mL	5 mL		20 uL		1 uL
STD50 460-888485/7 IC		8260D		5 mL	5 mL		50 uL		1 uL
STD500 460-888485/9 IC		8260D		5 mL	5 mL				1 uL
STD200 460-888485/11 IC		8260D		5 mL	5 mL				1 uL
ICV 460-888485/17		8260D		5 mL	5 mL			20 uL	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00164	8260SURR250 00235	8FreonHi 00052	8FreonsSS 00053	ACROLEIN SP 00145	ACROLEIN W 00148
BFB 460-888485/1		8260D							
STD7 460-888485/3 IC		8260D			1 uL				
STD1 460-888485/4 IC		8260D		10 uL	1 uL				4 uL
STD5 460-888485/5 IC		8260D		10 uL	1 uL				4 uL
STD20 460-888485/6 ICIS		8260D		20 uL	1 uL				4 uL
STD50 460-888485/7 IC		8260D		50 uL	1 uL				10 uL
STD500 460-888485/9 IC		8260D			1 uL	50 uL			40 uL
STD200 460-888485/11 IC		8260D			1 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.: 460-273970-1

SDG No.:

Batch Number: 888485 Batch Start Date: 01/17/23 09:32 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260MIX1COMB 00164	8260SURR250 00235	8FreonHi 00052	8FreonsSS 00053	ACROLEIN SP 00145	ACROLEIN W 00148
ICV 460-888485/17		8260D			1 uL		20 uL	4 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACRY/EPIH MIX 00108	BFB 00033	Ethanol mix 00072	GAS C SP 00497	GAS Hi 00434	GASES Li 00511
BFB 460-888485/1		8260D			1 uL				
STD7 460-888485/3 IC		8260D		20 uL					2.5 uL
STD1 460-888485/4 IC		8260D							10 uL
STD5 460-888485/5 IC		8260D							10 uL
STD20 460-888485/6 ICIS		8260D							20 uL
STD50 460-888485/7 IC		8260D							50 uL
STD500 460-888485/9 IC		8260D				50 uL		50 uL	
STD200 460-888485/11 IC		8260D				20 uL		20 uL	
ICV 460-888485/17		8260D					20 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00131	MIX I Hi 00158				
BFB 460-888485/1		8260D							
STD7 460-888485/3 IC		8260D							
STD1 460-888485/4 IC		8260D							
STD5 460-888485/5 IC		8260D							
STD20 460-888485/6 ICIS		8260D							
STD50 460-888485/7 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.: 460-273970-1

SDG No.:

Batch Number: 888485 Batch Start Date: 01/17/23 09:32 Batch Analyst: Moroney, Christopher J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MIX 2 Hi 00131	MIX I Hi 00158				
STD500 460-888485/9 IC		8260D		50 uL	50 uL				
STD200 460-888485/11 IC		8260D		20 uL	20 uL				
ICV 460-888485/17		8260D							

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891570 Batch Start Date: 02/06/23 04:47 Batch Analyst: Tupayachi, Audberto

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	524freon 00063	8260ISNEW 00171	8260MIX1COMB 00165
CCVIS 460-891570/3		8260D		5 mL	5 mL		20 uL	1 uL	20 uL
LCS 460-891570/5		8260D		5 mL	5 mL		20 uL	1 uL	20 uL
LCSD 460-891570/6		8260D		5 mL	5 mL		20 uL	1 uL	20 uL
MB 460-891570/10		8260D		5 mL	5 mL			1 uL	
460-273970-B-1	MW-07_20230202	8260D	T	5 mL	5 mL	<2 PH Units		1 uL	
460-273970-B-2	MW-10_20230202	8260D	T	5 mL	5 mL	<2 PH Units		1 uL	
460-273970-B-3	MW-09_20230202	8260D	T	5 mL	5 mL	<2 PH Units		1 uL	
460-273970-B-4	MW-08_20230202	8260D	T	5 mL	5 mL	<2 PH Units		1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8260SURR250 00235	ACROLEIN W 00149	GASES Li 00514			
CCVIS 460-891570/3		8260D		1 uL	4 uL	20 uL			
LCS 460-891570/5		8260D		1 uL	4 uL	20 uL			
LCSD 460-891570/6		8260D		1 uL	4 uL	20 uL			
MB 460-891570/10		8260D		1 uL					
460-273970-B-1	MW-07_20230202	8260D	T	1 uL					
460-273970-B-2	MW-10_20230202	8260D	T	1 uL					
460-273970-B-3	MW-09_20230202	8260D	T	1 uL					
460-273970-B-4	MW-08_20230202	8260D	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.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-07_20230202	460-273970-1	44	29	80	72	88	78
MW-10_20230202	460-273970-2	48	31	85	74	98	53
MW-09_20230202	460-273970-3	41	25	80	69	91	43
MW-08_20230202	460-273970-4	46	30	84	74	102	44
	MB 460-891285/1-A	44	28	90	78	82	74
	LCS 460-891285/2-A	43	30	86	75	87	79
	LCSD 460-891285/3-A	44	31	84	76	92	78

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	19-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	52-137
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	22-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A22744.D

Lab ID: LCS 460-891285/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	69.4	87	53-120	
1,2,4,5-Tetrachlorobenzene	80.0	65.0	81	46-117	
2,2'-oxybis[1-chloropropane]	80.0	73.3	92	37-120	
2,3,4,6-Tetrachlorophenol	80.0	70.4	88	54-122	
2,4,5-Trichlorophenol	80.0	70.1	88	58-120	
2,4,6-Trichlorophenol	80.0	71.9	90	61-120	
2,4-Dichlorophenol	80.0	64.0	80	65-120	
2,4-Dimethylphenol	80.0	63.7	80	62-120	
2,4-Dinitrophenol	160	154	96	36-150	
2,4-Dinitrotoluene	80.0	77.9	97	68-134	
2,6-Dinitrotoluene	80.0	79.8	100	65-124	
2-Chloronaphthalene	80.0	69.9	87	52-120	
2-Chlorophenol	80.0	59.3	74	53-120	
2-Methylnaphthalene	80.0	61.6	77	44-120	
2-Methylphenol	80.0	53.5	67	44-120	
2-Nitroaniline	80.0	74.9	94	49-120	
2-Nitrophenol	80.0	70.3	88	60-125	
3 & 4 Methylphenol	80.0	50.9	64	35-120	
3,3'-Dichlorobenzidine	80.0	63.1	79	37-137	
3-Nitroaniline	80.0	75.4	94	40-120	
4,6-Dinitro-2-methylphenol	160	155	97	59-135	
4-Bromophenyl phenyl ether	80.0	65.1	81	62-125	
4-Chloro-3-methylphenol	80.0	62.3	78	61-120	
4-Chloroaniline	80.0	72.0	90	29-127	
4-Chlorophenyl phenyl ether	80.0	68.3	85	59-122	
4-Methylphenol	80.0	50.1	63	33-120	
4-Nitroaniline	80.0	70.0	88	45-120	
4-Nitrophenol	160	47.0	29	12-120	
Acenaphthene	80.0	71.2	89	49-120	
Acenaphthylene	80.0	68.8	86	60-120	
Acetophenone	80.0	71.3	89	62-120	
Anthracene	80.0	71.5	89	65-120	
Atrazine	40.0	37.9	95	43-150	
Benzaldehyde	40.0	33.4	83	41-150	
Benzo[a]anthracene	80.0	69.7	87	63-120	
Benzo[a]pyrene	80.0	65.7	82	60-139	
Benzo[b]fluoranthene	80.0	73.8	92	66-125	
Benzo[g,h,i]perylene	80.0	67.9	85	59-136	
Benzo[k]fluoranthene	80.0	72.5	91	64-125	
Bis(2-chloroethoxy)methane	80.0	70.0	87	64-120	
Bis(2-chloroethyl)ether	80.0	66.7	83	63-120	
Bis(2-ethylhexyl) phthalate	80.0	69.6	87	60-132	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A22744.D

Lab ID: LCS 460-891285/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	64.4	81	58-132	
Caprolactam	40.0	10.8	27	10-120	
Carbazole	80.0	73.2	92	65-120	
Chrysene	80.0	68.6	86	63-120	
Dibenz(a,h)anthracene	80.0	73.1	91	62-140	
Dibenzofuran	80.0	70.5	88	58-120	
Diethyl phthalate	80.0	67.1	84	53-129	
Dimethyl phthalate	80.0	72.8	91	60-124	
Di-n-butyl phthalate	80.0	68.4	85	59-133	
Di-n-octyl phthalate	80.0	52.5	66	49-135	
Fluoranthene	80.0	71.4	89	65-123	
Fluorene	80.0	69.3	87	58-120	
Hexachlorobenzene	80.0	64.7	81	61-128	
Hexachlorobutadiene	80.0	51.5	64	27-127	
Hexachlorocyclopentadiene	80.0	51.5	64	24-123	
Hexachloroethane	80.0	51.6	65	26-120	
Indeno[1,2,3-cd]pyrene	80.0	78.1	98	59-137	
Isophorone	80.0	69.1	86	68-121	
Naphthalene	80.0	61.7	77	51-120	
Nitrobenzene	80.0	70.6	88	64-120	
N-Nitrosodi-n-propylamine	80.0	70.5	88	60-120	
N-Nitrosodiphenylamine	80.0	68.2	85	63-120	
Pentachlorophenol	160	134	84	24-131	
Phenanthrene	80.0	70.1	88	65-120	
Phenol	80.0	26.5	33	18-120	
Pyrene	80.0	68.3	85	51-124	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A22745.D

Lab ID: LCSD 460-891285/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	70.9	89	2	30	53-120	
1,2,4,5-Tetrachlorobenzene	80.0	68.8	86	6	30	46-117	
2,2'-oxybis[1-chloropropane]	80.0	71.4	89	3	30	37-120	
2,3,4,6-Tetrachlorophenol	80.0	71.7	90	2	30	54-122	
2,4,5-Trichlorophenol	80.0	71.3	89	2	30	58-120	
2,4,6-Trichlorophenol	80.0	74.7	93	4	30	61-120	
2,4-Dichlorophenol	80.0	65.1	81	2	30	65-120	
2,4-Dimethylphenol	80.0	62.3	78	2	30	62-120	
2,4-Dinitrophenol	160	158	99	3	30	36-150	
2,4-Dinitrotoluene	80.0	80.3	100	3	30	68-134	
2,6-Dinitrotoluene	80.0	79.8	100	0	30	65-124	
2-Chloronaphthalene	80.0	70.7	88	1	30	52-120	
2-Chlorophenol	80.0	58.9	74	1	30	53-120	
2-Methylnaphthalene	80.0	60.4	76	2	30	44-120	
2-Methylphenol	80.0	52.4	66	2	30	44-120	
2-Nitroaniline	80.0	81.3	102	8	30	49-120	
2-Nitrophenol	80.0	69.6	87	1	30	60-125	
3 & 4 Methylphenol	80.0	49.9	62	2	30	35-120	
3,3'-Dichlorobenzidine	80.0	63.3	79	0	30	37-137	
3-Nitroaniline	80.0	76.6	96	2	30	40-120	
4,6-Dinitro-2-methylphenol	160	156	98	1	30	59-135	
4-Bromophenyl phenyl ether	80.0	66.1	83	1	30	62-125	
4-Chloro-3-methylphenol	80.0	62.0	78	0	30	61-120	
4-Chloroaniline	80.0	72.2	90	0	30	29-127	
4-Chlorophenyl phenyl ether	80.0	69.0	86	1	30	59-122	
4-Methylphenol	80.0	50.8	64	1	30	33-120	
4-Nitroaniline	80.0	70.8	88	1	30	45-120	
4-Nitrophenol	160	48.8	31	4	30	12-120	
Acenaphthene	80.0	72.4	90	2	30	49-120	
Acenaphthylene	80.0	69.8	87	1	30	60-120	
Acetophenone	80.0	69.3	87	3	30	62-120	
Anthracene	80.0	70.2	88	2	30	65-120	
Atrazine	40.0	39.5	99	4	30	43-150	
Benzaldehyde	40.0	33.6	84	1	30	41-150	
Benzo[a]anthracene	80.0	70.8	88	2	30	63-120	
Benzo[a]pyrene	80.0	66.0	83	0	30	60-139	
Benzo[b]fluoranthene	80.0	72.9	91	1	30	66-125	
Benzo[g,h,i]perylene	80.0	69.0	86	2	30	59-136	
Benzo[k]fluoranthene	80.0	73.4	92	1	30	64-125	
Bis(2-chloroethoxy)methane	80.0	69.7	87	0	30	64-120	
Bis(2-chloroethyl)ether	80.0	65.3	82	2	30	63-120	
Bis(2-ethylhexyl) phthalate	80.0	68.1	85	2	30	60-132	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A22745.D

Lab ID: LCSD 460-891285/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	80.0	64.1	80	0	30	58-132	
Caprolactam	40.0	10.2	26	5	30	10-120	
Carbazole	80.0	73.6	92	0	30	65-120	
Chrysene	80.0	68.5	86	0	30	63-120	
Dibenz(a,h)anthracene	80.0	74.2	93	1	30	62-140	
Dibenzofuran	80.0	71.7	90	2	30	58-120	
Diethyl phthalate	80.0	68.2	85	2	30	53-129	
Dimethyl phthalate	80.0	73.6	92	1	30	60-124	
Di-n-butyl phthalate	80.0	68.1	85	0	30	59-133	
Di-n-octyl phthalate	80.0	52.8	66	1	30	49-135	
Fluoranthene	80.0	71.4	89	0	30	65-123	
Fluorene	80.0	70.1	88	1	30	58-120	
Hexachlorobenzene	80.0	62.6	78	3	30	61-128	
Hexachlorobutadiene	80.0	49.5	62	4	30	27-127	
Hexachlorocyclopentadiene	80.0	52.0	65	1	30	24-123	
Hexachloroethane	80.0	50.4	63	2	30	26-120	
Indeno[1,2,3-cd]pyrene	80.0	78.7	98	1	30	59-137	
Isophorone	80.0	69.3	87	0	30	68-121	
Naphthalene	80.0	62.0	77	0	30	51-120	
Nitrobenzene	80.0	70.5	88	0	30	64-120	
N-Nitrosodi-n-propylamine	80.0	69.6	87	1	30	60-120	
N-Nitrosodiphenylamine	80.0	67.9	85	1	30	63-120	
Pentachlorophenol	160	134	84	0	30	24-131	
Phenanthrene	80.0	68.8	86	2	30	65-120	
Phenol	80.0	25.3	32	4	30	18-120	
Pyrene	80.0	67.1	84	2	30	51-124	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: A22743.D Lab Sample ID: MB 460-891285/1-A

Matrix: Water Date Extracted: 02/03/2023 08:50

Instrument ID: CBNAMS16 Date Analyzed: 02/03/2023 23:51

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-891285/2-A	A22744.D	02/04/2023 00:12
	LCSD 460-891285/3-A	A22745.D	02/04/2023 00:33
MW-07_20230202	460-273970-1	N41510.d	02/05/2023 19:55
MW-10_20230202	460-273970-2	N41511.d	02/05/2023 20:17
MW-09_20230202	460-273970-3	N41512.d	02/05/2023 20:38
MW-08_20230202	460-273970-4	N41516.d	02/05/2023 22:05

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-889708/2	N41326.d	01/25/2023	9:46
	STD24 460-889708/3	N41327.d	01/25/2023	10:07
	STD16 460-889708/4	N41328.d	01/25/2023	10:28
	STD4 460-889708/5	N41329.d	01/25/2023	10:49
	STD2 460-889708/6	N41330.d	01/25/2023	11:10
	STD1 460-889708/7	N41331.d	01/25/2023	11:31
	STD04 460-889708/8	N41332.d	01/25/2023	11:52
	STD02 460-889708/9	N41333.d	01/25/2023	12:13
	STD01 460-889708/10	N41334.d	01/25/2023	12:34

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: N41474.d DFTPP Injection Date: 02/02/2023

Instrument ID: CBNAMS14 DFTPP Injection Time: 15:17

Analysis Batch No.: 891145

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2% of m/z 69	0.0 (0.0) 1
69	Present	30.3
70	Less than 2% of m/z 69	0.2 (0.6) 1
197	Less than 2% of m/z 198	0.0
198	Base Peak	100.0
199	5-9% of m/z 198	6.8
365	Greater than 1% of Base Peak	3.7
441	Less than 150% of m/z 443	22.8 (99.0) 3
442	Present	118.2
443	15-24% of m/z 442	23.1 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-891145/2	N41475.d	02/02/2023	15:43
	STD24 460-891145/3	N41476.d	02/02/2023	16:04
	STD16 460-891145/4	N41477.d	02/02/2023	16:26
	STD4 460-891145/5	N41478.d	02/02/2023	16:48
	STD2 460-891145/6	N41479.d	02/02/2023	17:09
	STD1 460-891145/7	N41480.d	02/02/2023	17:31
	STD04 460-891145/8	N41481.d	02/02/2023	17:53
	STD02 460-891145/9	N41482.d	02/02/2023	18:14
	STD01 460-891145/10	N41483.d	02/02/2023	18:36
	ICV 460-891145/11	N41484.d	02/02/2023	18:58

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: A22138.D DFTPP Injection Date: 01/12/2023

Instrument ID: CBNAMS16 DFTPP Injection Time: 06:14

Analysis Batch No.: 887783

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.7	(1.8) 1
69	Present	41.6	
70	Less than 2% of m/z 69	0.2	(0.5) 1
197	Less than 2% of m/z 198	0.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.7	
365	Greater than 1% of Base Peak	3.8	
441	Less than 150% of m/z 443	18.2	(80.1) 3
442	Present	121.0	
443	15-24% of m/z 442	22.8	(18.8) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-887783/2	A22149.D	01/12/2023	10:16
	STD24 460-887783/3	A22150.D	01/12/2023	10:37
	STD16 460-887783/4	A22151.D	01/12/2023	10:58
	STD4 460-887783/5	A22152.D	01/12/2023	11:19
	STD2 460-887783/6	A22153.D	01/12/2023	11:40
	STD1 460-887783/7	A22154.D	01/12/2023	12:01
	STD04 460-887783/8	A22155.D	01/12/2023	12:22
	STD02 460-887783/9	A22156.D	01/12/2023	12:43
	STD01 460-887783/10	A22157.D	01/12/2023	13:05
	ICV 460-887783/11	A22158.D	01/12/2023	13:26

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: ICIS 460-891145/2 Date Analyzed: 02/02/2023 15:43

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N41475.d Heated Purge: (Y/N) N

Calibration ID: 92289

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		108446	4.49	349455	5.71	184563	7.37
UPPER LIMIT		216892	4.99	698910	6.21	369126	7.87
LOWER LIMIT		54223	3.99	174728	5.21	92282	6.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-891145/11		140499	4.49	469432	5.71	258253	7.37

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: ICIS 460-891145/2 Date Analyzed: 02/02/2023 15:43

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N41475.d Heated Purge: (Y/N) N

Calibration ID: 92289

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		336876	8.78	254762	11.44	321539	13.37
UPPER LIMIT		673752	9.28	509524	11.94	643078	13.87
LOWER LIMIT		168438	8.28	127381	10.94	160770	12.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-891145/11		478387	8.78	341748	11.44	387851	13.37

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891527/2 Date Analyzed: 02/05/2023 14:52

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N41496a.d Heated Purge: (Y/N) N

Calibration ID: 92289

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		87105	4.49	290485	5.70	155056	7.37
UPPER LIMIT		174210	4.99	580970	6.20	310112	7.87
LOWER LIMIT		43553	3.99	145243	5.20	77528	6.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-273970-1	MW-07_20230202	128473	4.48	428297	5.70	243498	7.37
460-273970-2	MW-10_20230202	133639	4.48	444670	5.70	249741	7.37
460-273970-3	MW-09_20230202	113562	4.49	375300	5.70	212846	7.37
460-273970-4	MW-08_20230202	127265	4.49	441943	5.70	251929	7.37

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891527/2 Date Analyzed: 02/05/2023 14:52

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N41496a.d Heated Purge: (Y/N) N

Calibration ID: 92289

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		267632	8.77	194966	11.44	293996	13.37
UPPER LIMIT		535264	9.27	389932	11.94	587992	13.87
LOWER LIMIT		133816	8.27	97483	10.94	146998	12.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-273970-1	MW-07_20230202	456468	8.77	281779	11.43	275545	13.36
460-273970-2	MW-10_20230202	470537	8.77	292425	11.43	321442	13.36
460-273970-3	MW-09_20230202	394750	8.77	262458	11.43	325391	13.36
460-273970-4	MW-08_20230202	473865	8.77	335378	11.43	417472	13.36

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: ICIS 460-887783/2 Date Analyzed: 01/12/2023 10:16

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A22149.D Heated Purge: (Y/N) N

Calibration ID: 92069

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		281529	4.60	1098734	5.81	601018	7.47
UPPER LIMIT		563058	5.10	2197468	6.31	1202036	7.97
LOWER LIMIT		140765	4.10	549367	5.31	300509	6.97
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-887783/11		311541	4.59	1255502	5.81	667546	7.47

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: ICIS 460-887783/2 Date Analyzed: 01/12/2023 10:16

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A22149.D Heated Purge: (Y/N) N

Calibration ID: 92069

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		954598	8.88	710102	11.55	559080	13.52
UPPER LIMIT		1909196	9.38	1420204	12.05	1118160	14.02
LOWER LIMIT		477299	8.38	355051	11.05	279540	13.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-887783/11		1045458	8.88	782066	11.55	783879	13.51

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891390/2 Date Analyzed: 02/03/2023 23:04

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A22741.D Heated Purge: (Y/N) N

Calibration ID: 92069

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		312975	4.54	1203765	5.76	646523	7.42
UPPER LIMIT		625950	5.04	2407530	6.26	1293046	7.92
LOWER LIMIT		156488	4.04	601883	5.26	323262	6.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-891285/1-A		249676	4.54	972770	5.75	547164	7.42
LCS 460-891285/2-A		242192	4.54	935470	5.76	523254	7.42
LCSD 460-891285/3-A		234332	4.54	892821	5.76	490177	7.42

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891390/2 Date Analyzed: 02/03/2023 23:04

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): A22741.D Heated Purge: (Y/N) N

Calibration ID: 92069

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1127524	8.83	896560	11.49	895974	13.44
UPPER LIMIT		2255048	9.33	1793120	11.99	1791948	13.94
LOWER LIMIT		563762	8.33	448280	10.99	447987	12.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-891285/1-A		1004307	8.82	717033	11.48	700232	13.43
LCS 460-891285/2-A		915350	8.82	697377	11.48	695179	13.43
LCSD 460-891285/3-A		877260	8.83	674673	11.48	675219	13.43

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: N41510.d

Analysis Method: 8270E | Date Collected: 02/02/2023 12:50

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 19:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
15831-10-4	3 & 4 Methylphenol	10	U	10	0.64
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: N41510.d

Analysis Method: 8270E | Date Collected: 02/02/2023 12:50

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 19:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	2.0	U	2.0	1.3
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.4		2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: N41510.d

Analysis Method: 8270E | Date Collected: 02/02/2023 12:50

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 19:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	20	U	20	1.4
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		37-150
321-60-8	2-Fluorobiphenyl	72		46-139
367-12-4	2-Fluorophenol (Surr)	44		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	80		52-137
4165-62-2	Phenol-d5 (Surr)	29		10-56
1718-51-0	Terphenyl-d14 (Surr)	78		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d
Lims ID: 460-273970-F-1-A
Client ID: MW-07_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 19:55:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-016
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:25:20 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:44:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.243	3.234	0.009	96	83208	4.39	
$ 6 Phenol-d5	99	4.101	4.108	-0.007	97	63020	2.88	
* 14 1,4-Dichlorobenzene-d4	152	4.484	4.485	0.000	95	128473	8.00	
$ 27 Nitrobenzene-d5	82	5.007	5.011	-0.004	87	151344	7.99	
* 38 Naphthalene-d8	136	5.697	5.701	-0.004	99	428297	8.00	
39 Naphthalene	128	5.716	5.720	-0.004	98	16283	0.3004	
$ 51 2-Fluorobiphenyl	172	6.727	6.733	-0.006	96	335437	7.20	
* 64 Acenaphthene-d10	164	7.365	7.368	-0.003	95	243498	8.00	
$ 80 2,4,6-Tribromophenol	330	8.108	8.113	-0.005	91	67487	8.75	
* 87 Phenanthrene-d10	188	8.772	8.774	-0.002	98	456468	8.00	
$ 96 Terphenyl-d14	244	10.297	10.303	-0.006	98	319110	7.84	
* 102 Chrysene-d12	240	11.427	11.436	-0.009	99	281779	8.00	
* 109 Perylene-d12	264	13.357	13.369	-0.012	99	275545	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

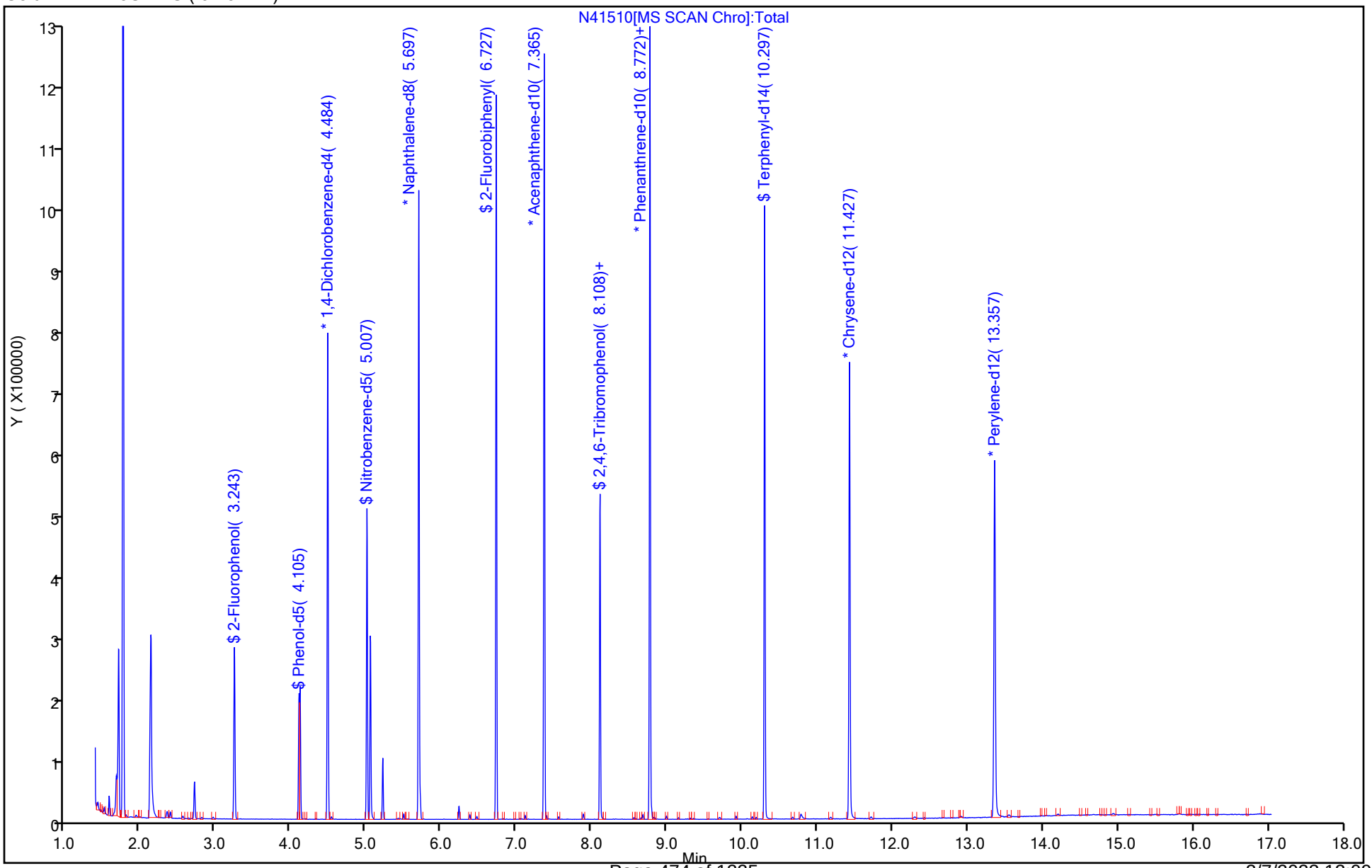
Report Date: 06-Feb-2023 09:25:21 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d

Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1	Worklist Smp#:	16
Client ID:	MW-07_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d
Lims ID: 460-273970-F-1-A
Client ID: MW-07_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 19:55:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-016
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:25:20 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:44:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.39	43.87
$ 6 Phenol-d5	10.0	2.88	28.77
$ 27 Nitrobenzene-d5	10.0	7.99	79.94
$ 51 2-Fluorobiphenyl	10.0	7.20	71.97
$ 80 2,4,6-Tribromophenol	10.0	8.75	87.53
$ 96 Terphenyl-d14	10.0	7.84	78.41

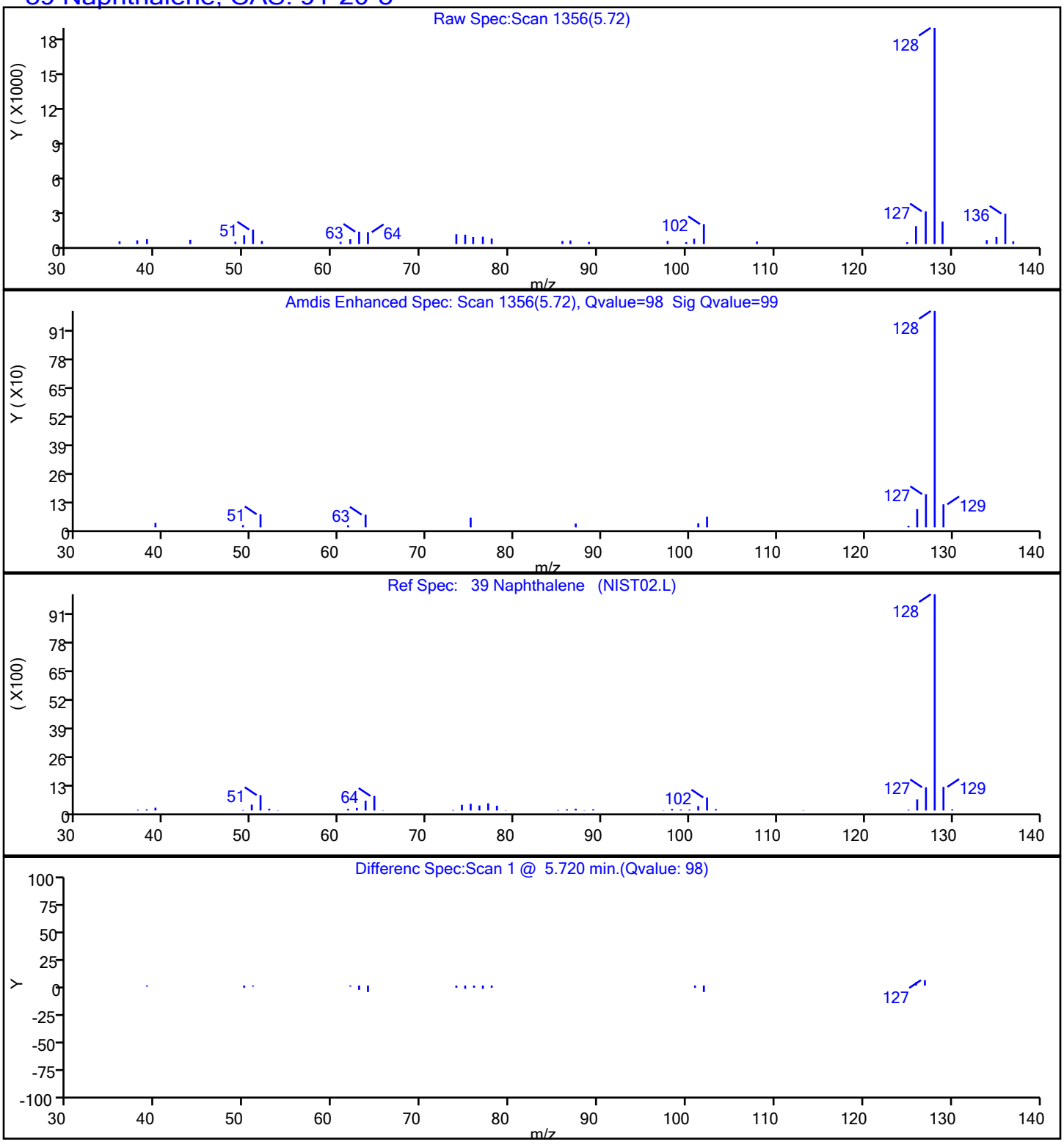
Report Date: 06-Feb-2023 09:25:21 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d

Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



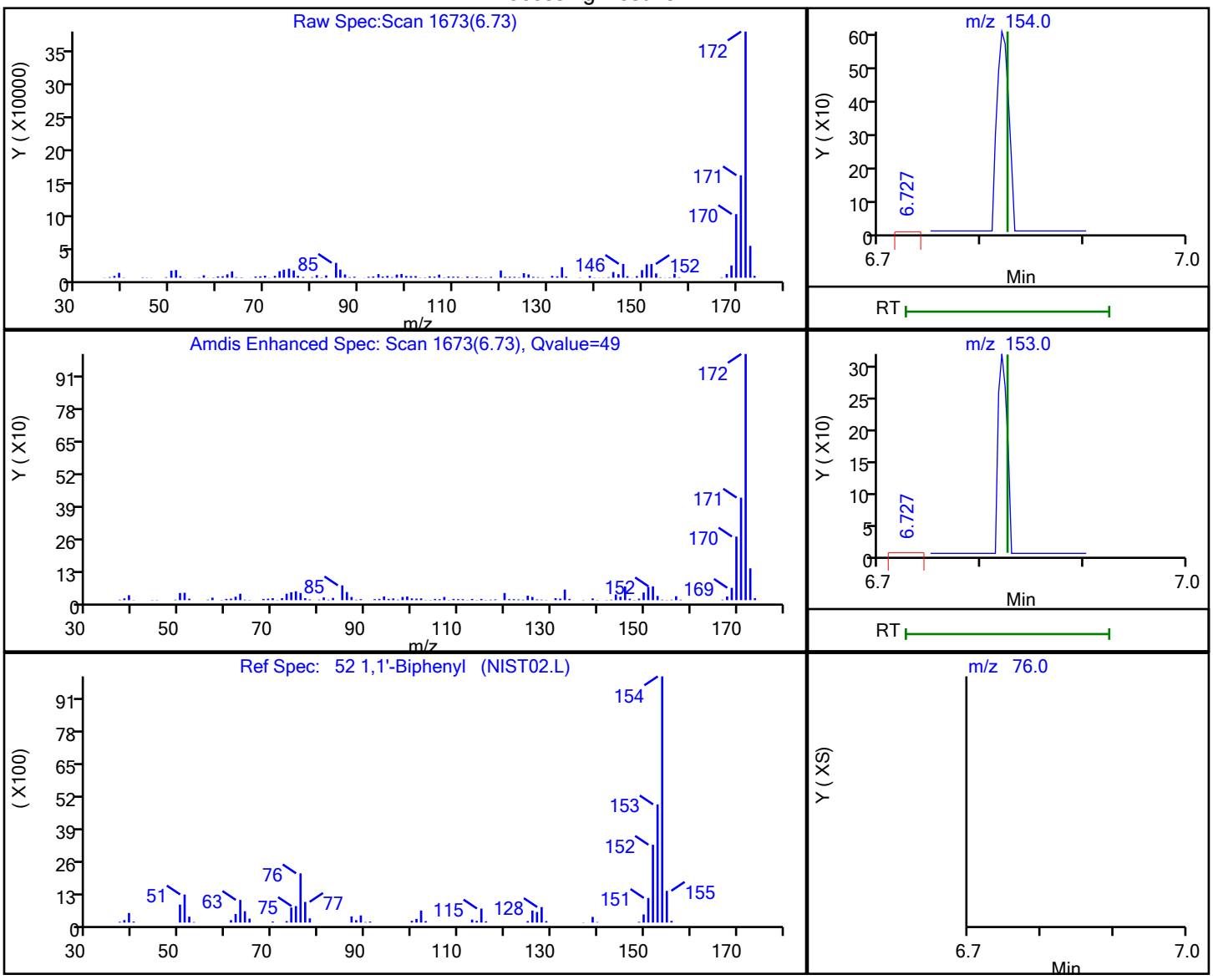
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.73	154.00	576	0.012824
6.73	153.00	5727	
6.73	76.00	9714	

Reviewer: khlungprakhons, 06-Feb-2023 14:43:59

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

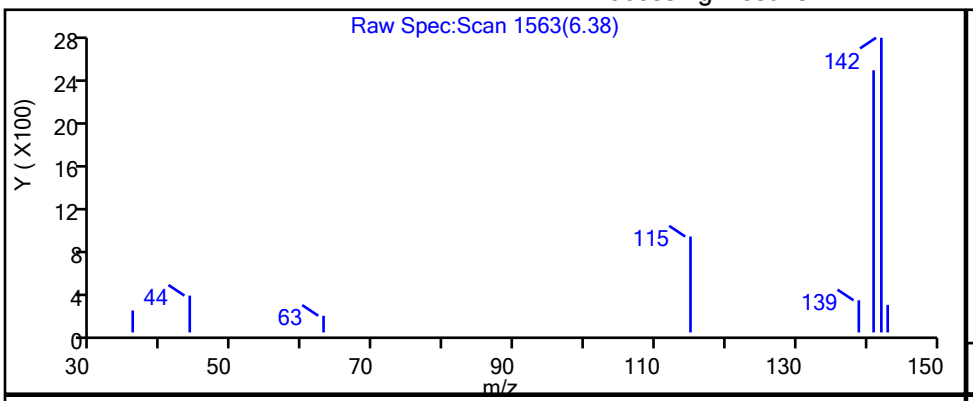
User Disabled Compound Report

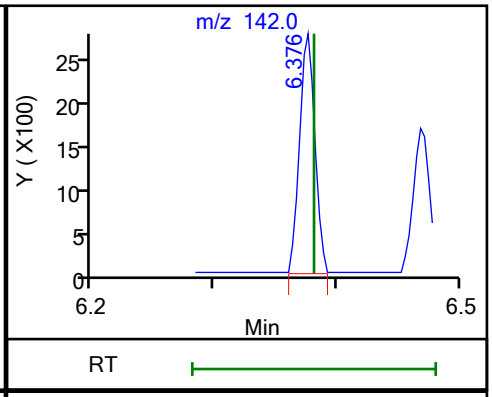
Eurofins Edison

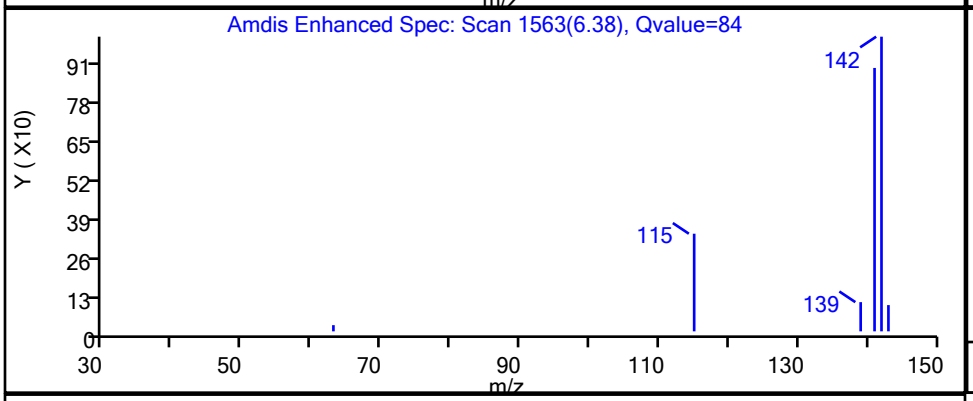
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

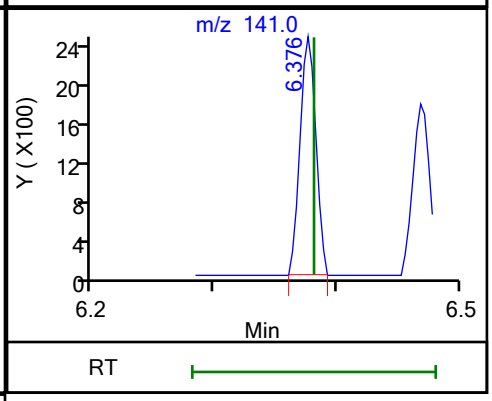
44 2-Methylnaphthalene, CAS: 91-57-6

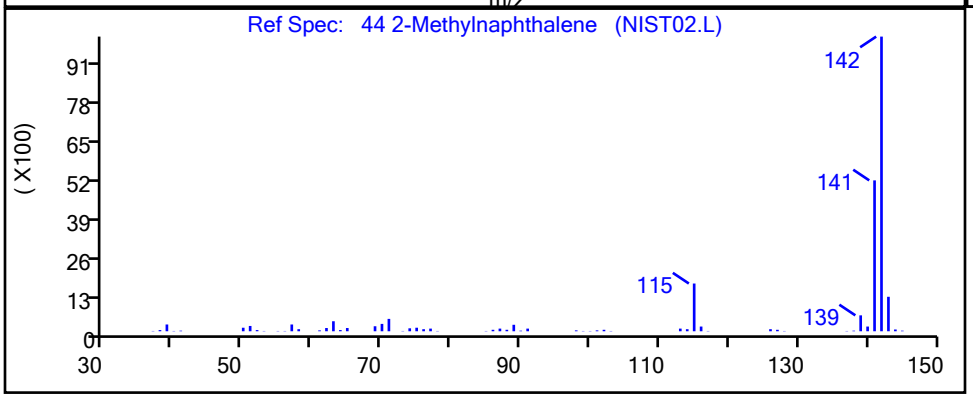
Processing Results











RT	Mass	Response	Amount
6.38	142.00	2359	0.064883
6.38	141.00	2183	

Reviewer: G4KC, 06-Feb-2023 09:25:08

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

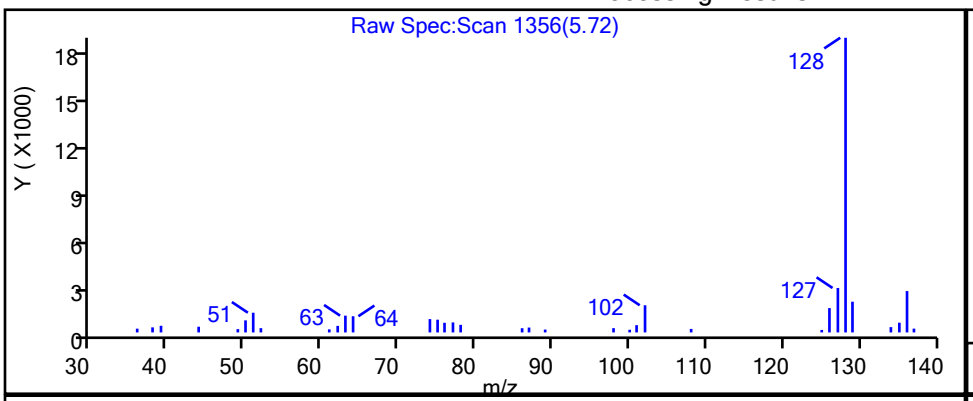
User Disabled Compound Report

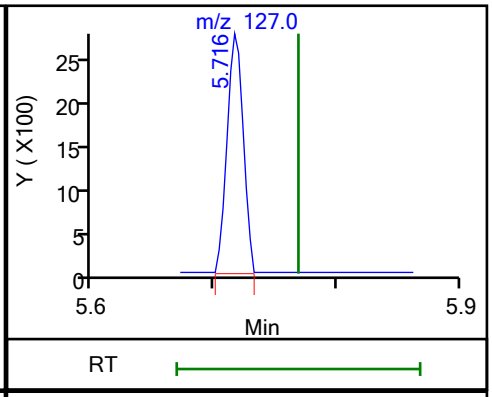
Eurofins Edison

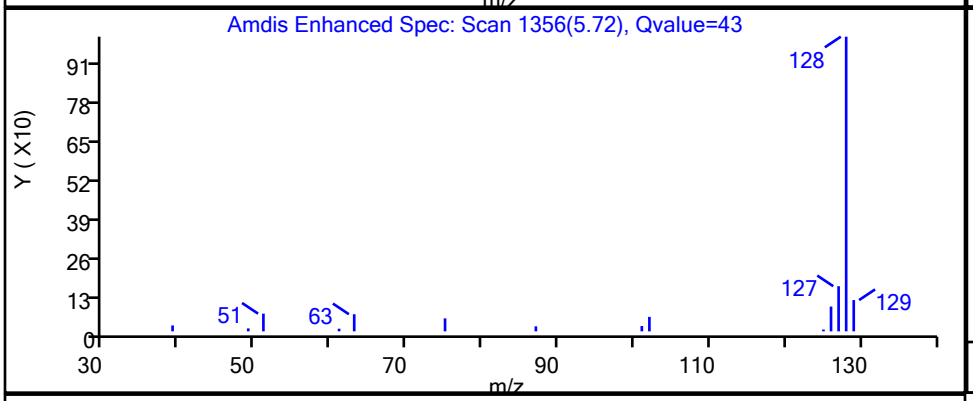
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

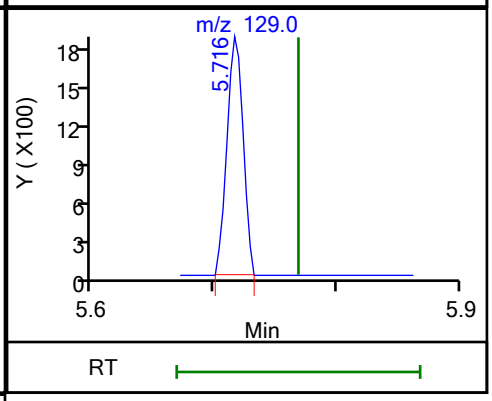
40 4-Chloroaniline, CAS: 106-47-8

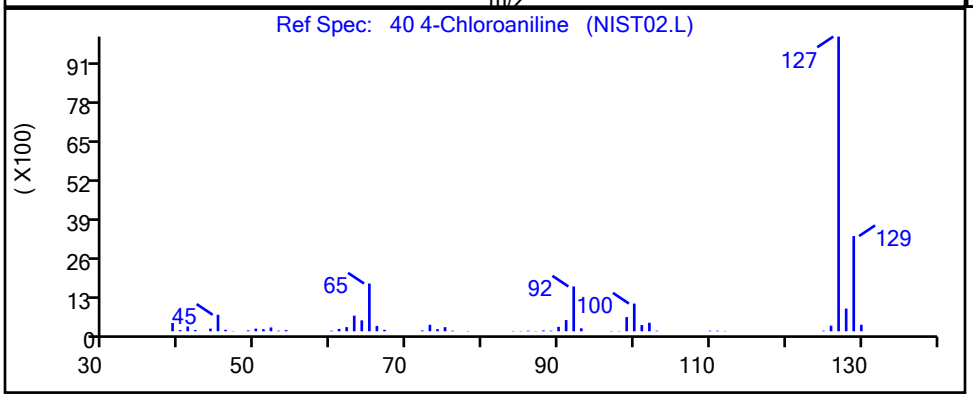
Processing Results











RT	Mass	Response	Amount
5.72	127.00	2505	0.118080
5.72	129.00	1735	

Reviewer: khlungprakhons, 06-Feb-2023 14:43:55

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

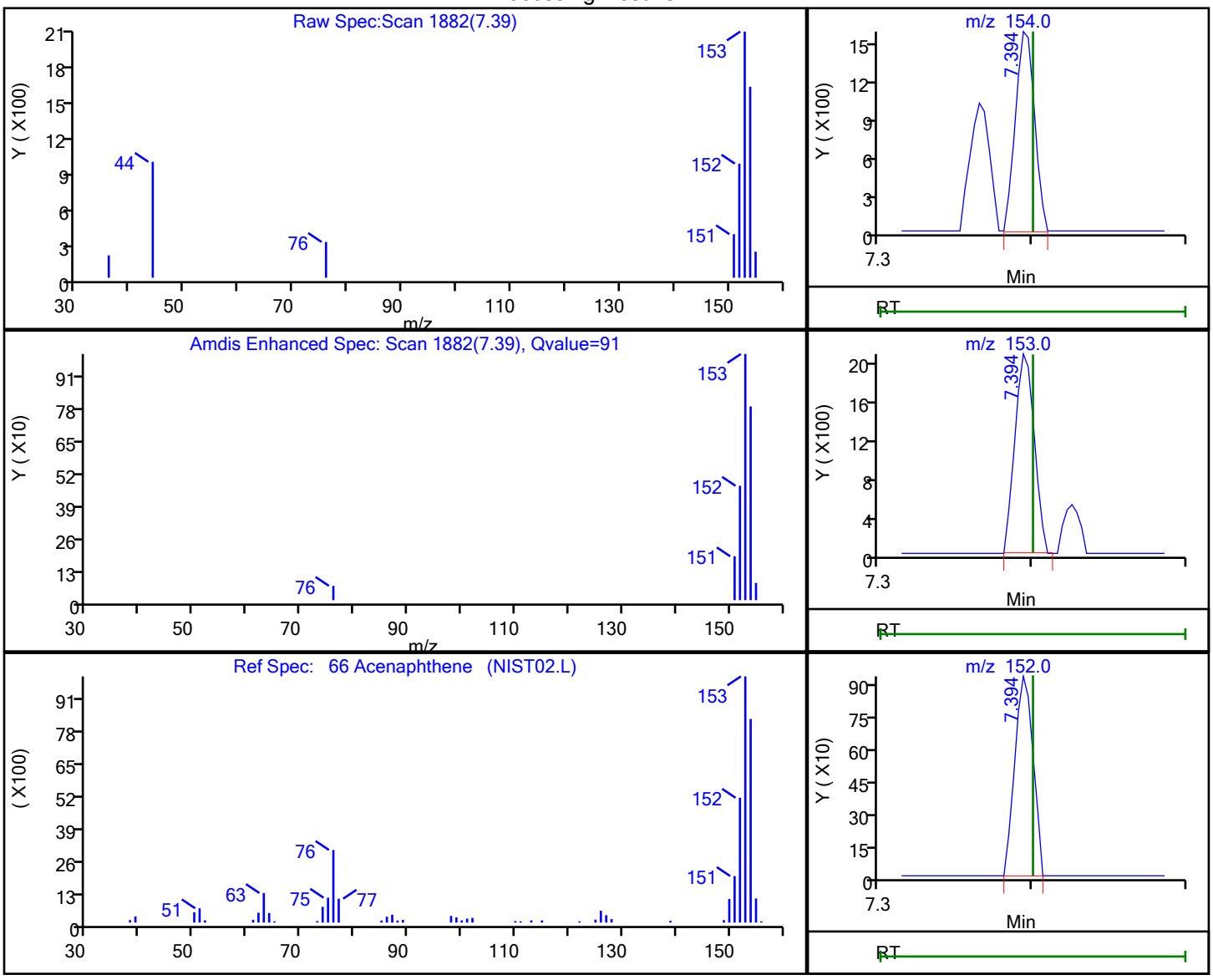
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.39	154.00	1363	0.042753
7.39	153.00	1784	
7.39	152.00	779	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:03

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

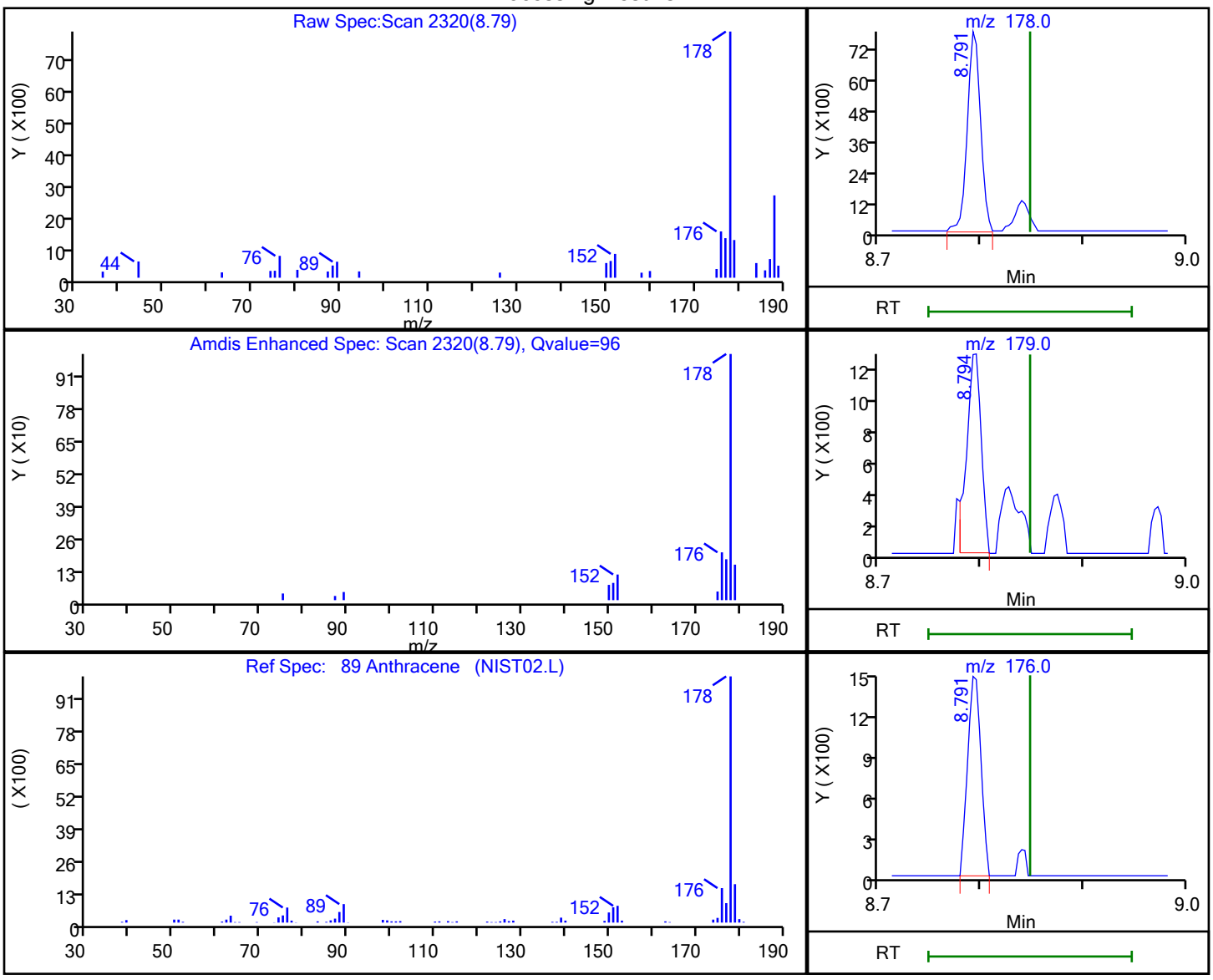
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.79	178.00	7091	0.120297
8.79	179.00	1202	
8.79	176.00	1352	

Reviewer: G4KC, 06-Feb-2023 09:25:14

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

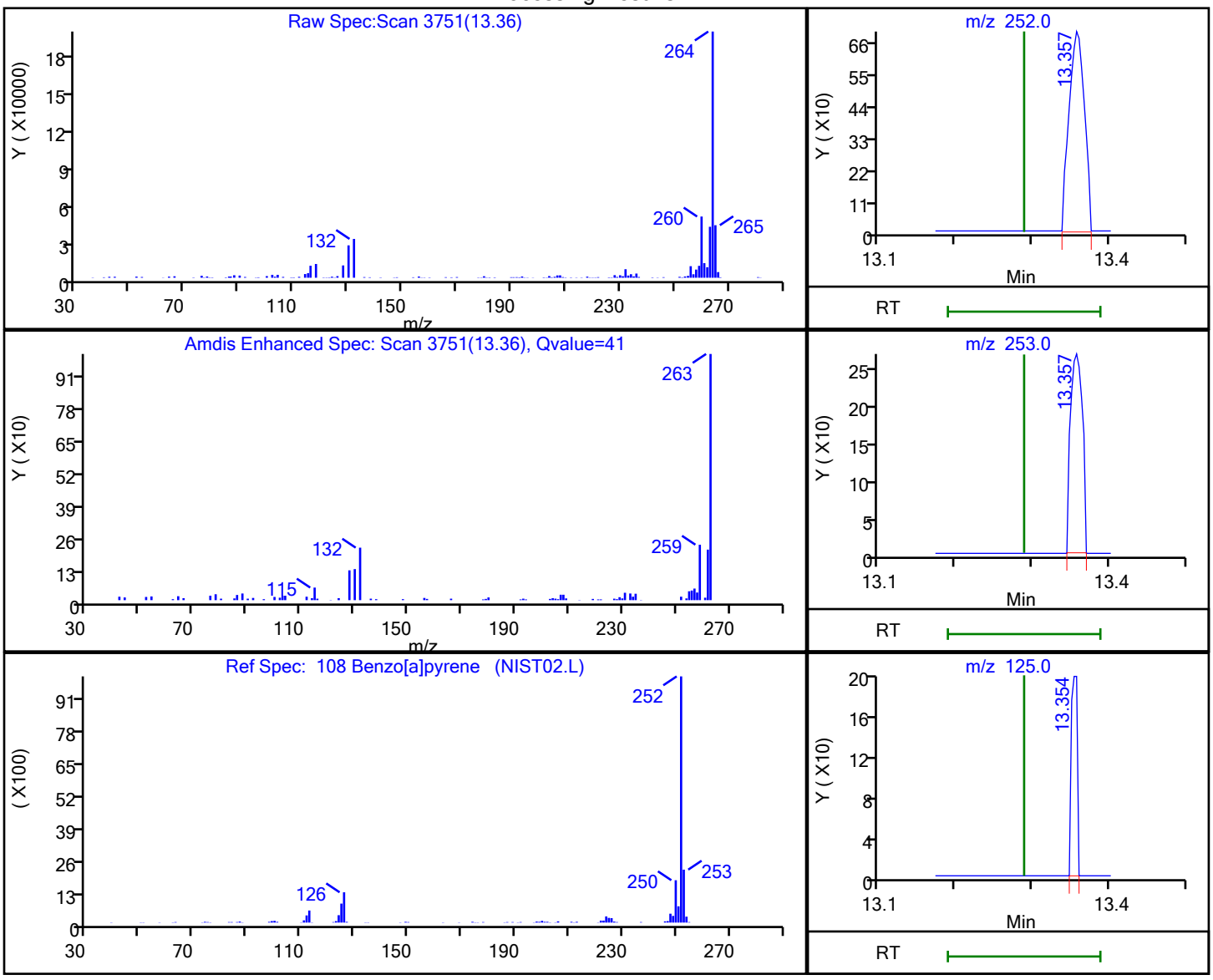
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.36	252.00	978	0.027126
13.36	253.00	290	
13.35	125.00	107	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:16

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

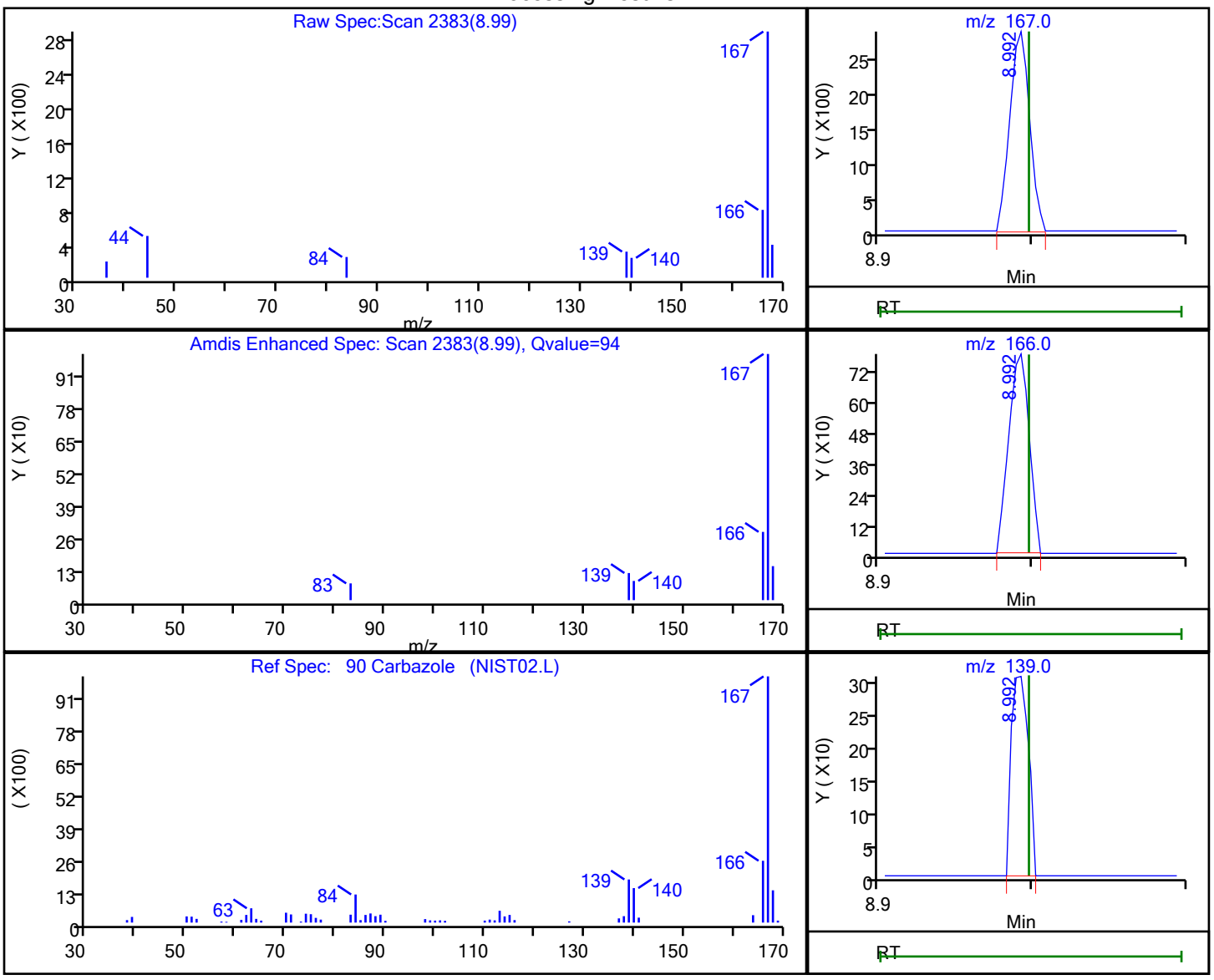
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.99	167.00	2578	0.051540
8.99	166.00	735	
8.99	139.00	235	

Reviewer: G4KC, 06-Feb-2023 09:25:15

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

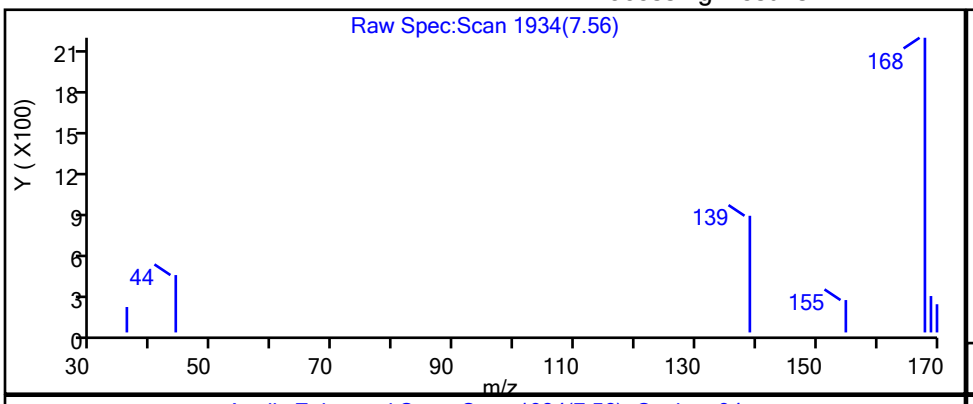
User Disabled Compound Report

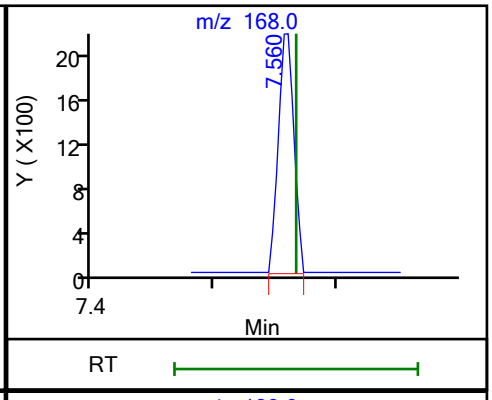
Eurofins Edison

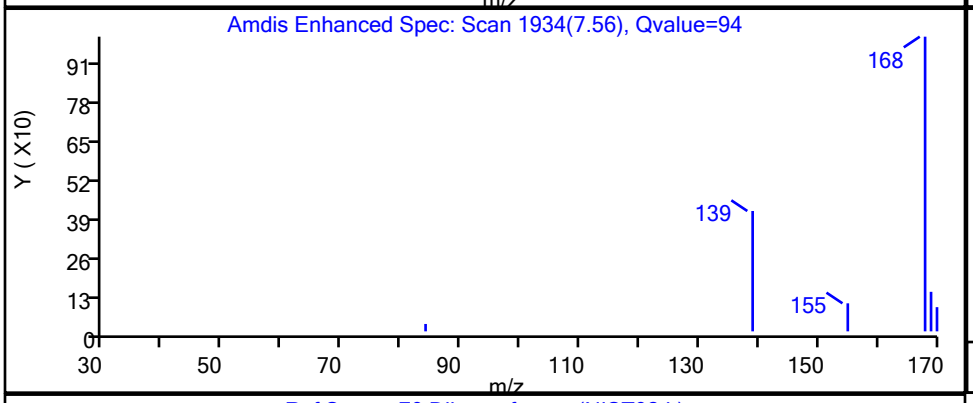
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

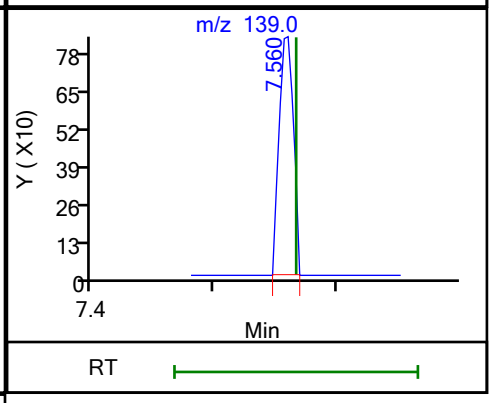
70 Dibenzofuran, CAS: 132-64-9

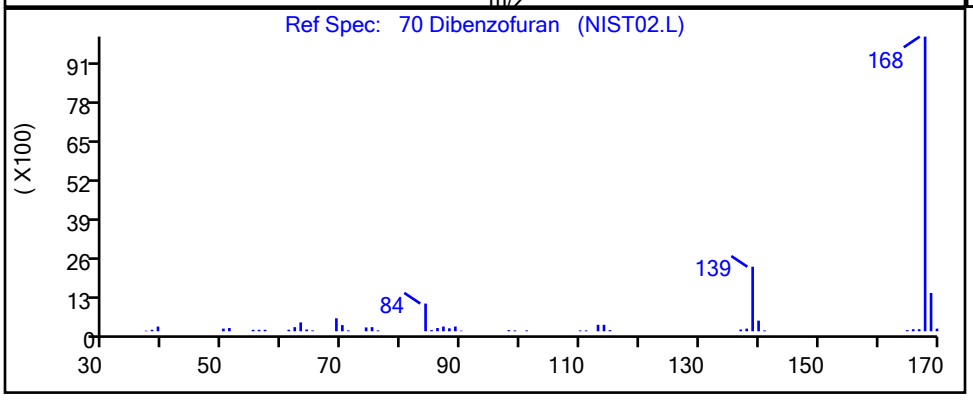
Processing Results











RT	Mass	Response	Amount
7.56	168.00	1889	0.038031
7.56	139.00	689	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:06

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

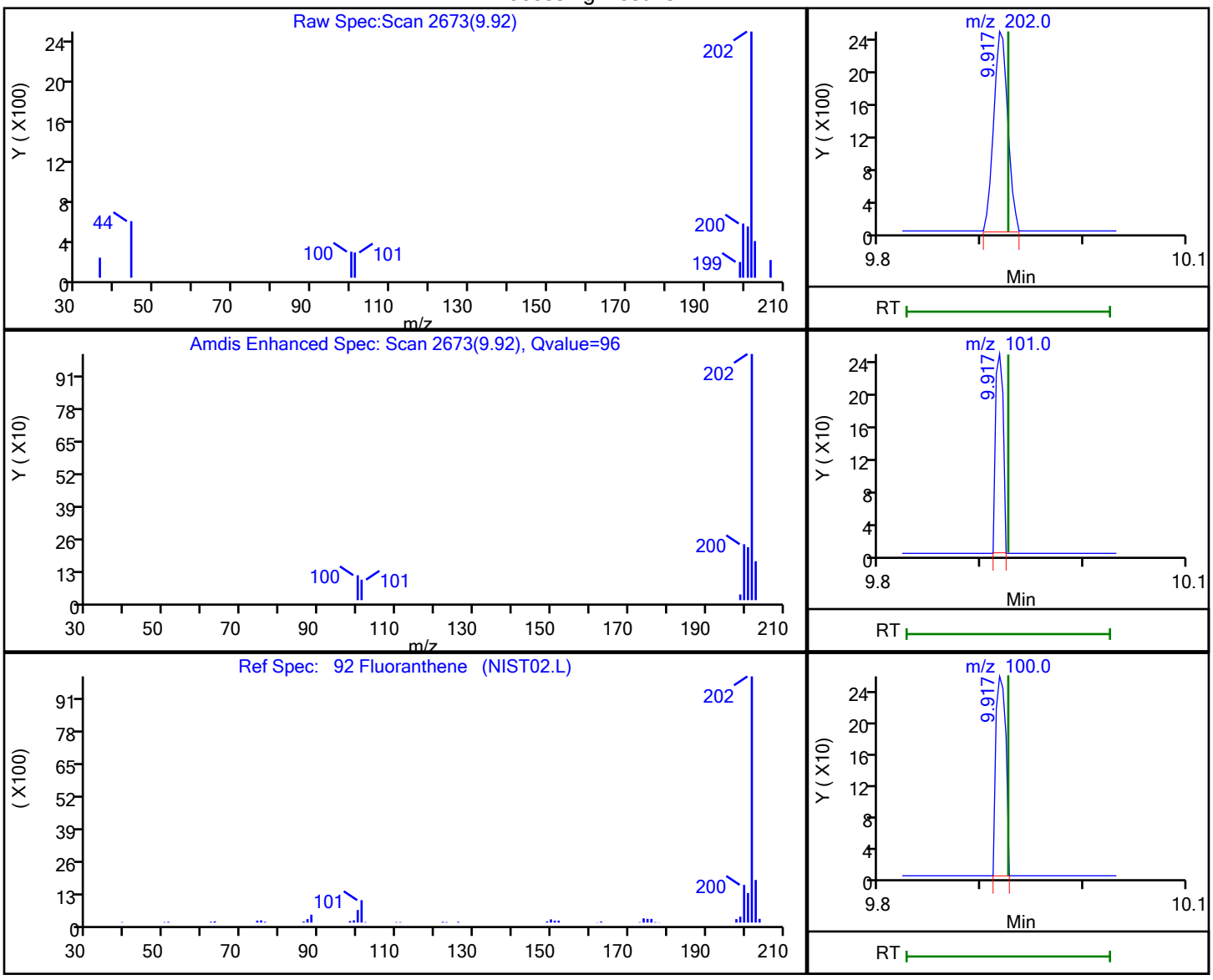
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.92	202.00	2295	0.039785
9.92	101.00	128	
9.92	100.00	170	

Reviewer: G4KC, 06-Feb-2023 09:25:16

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

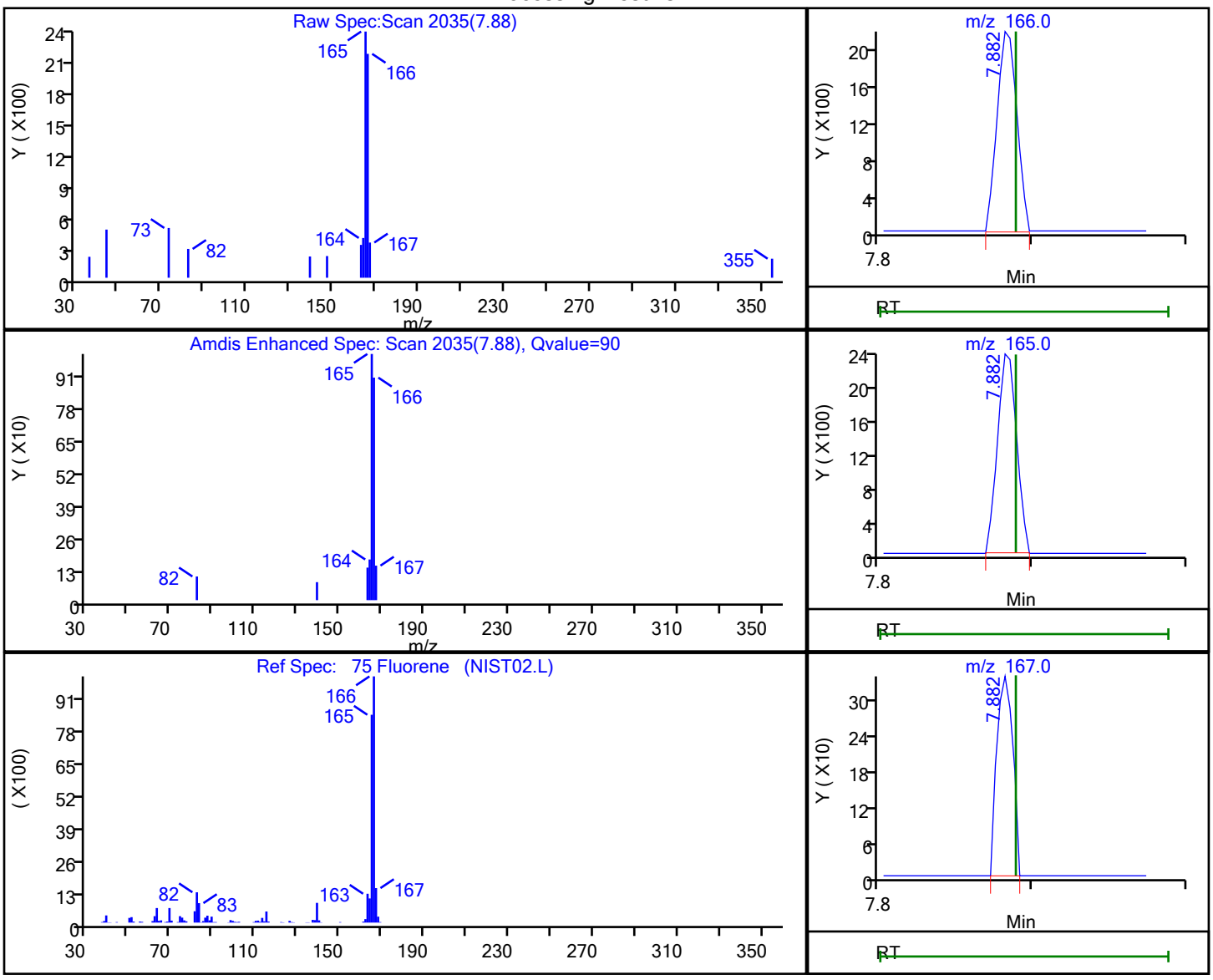
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.88	166.00	1890	0.048550
7.88	165.00	2014	
7.88	167.00	241	

Reviewer: G4KC, 06-Feb-2023 09:25:12

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

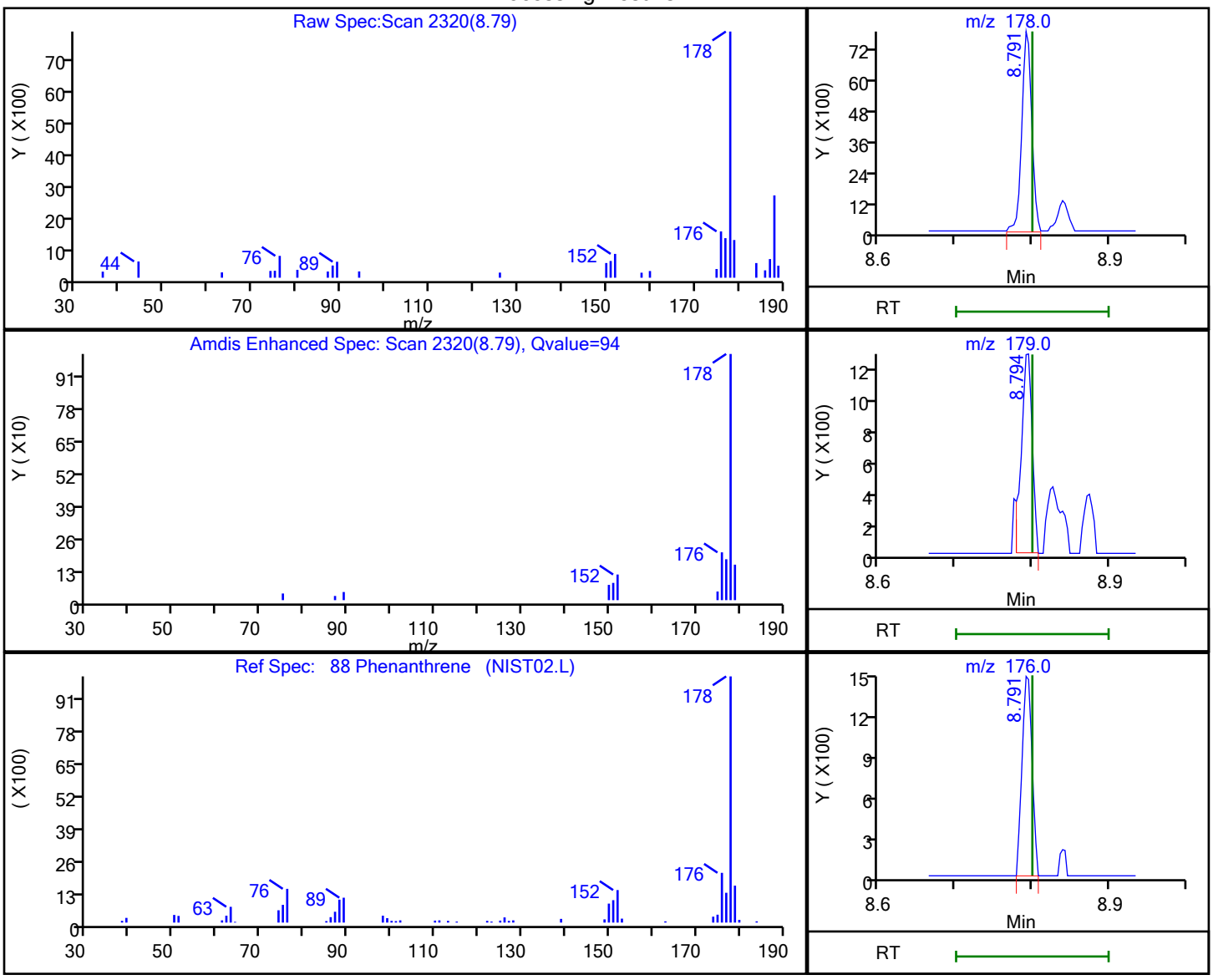
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.79	178.00	7091	0.121632
8.79	179.00	1202	
8.79	176.00	1352	

Reviewer: G4KC, 06-Feb-2023 09:25:13

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

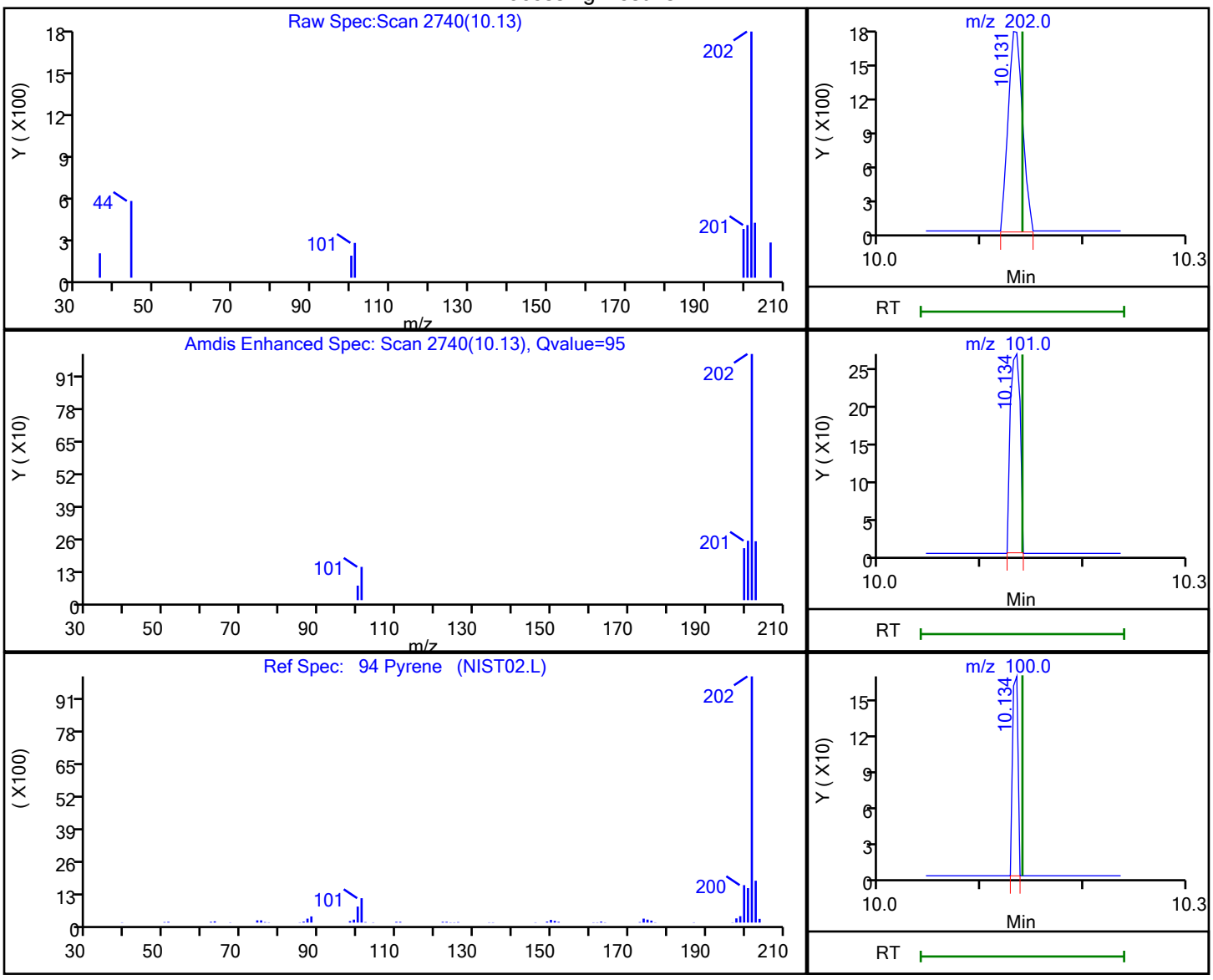
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41510.d				
Injection Date:	05-Feb-2023 19:55:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.13	202.00	1762	0.035346
10.13	101.00	175	
10.13	100.00	63	

Reviewer: G4KC, 06-Feb-2023 09:25:17

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: N41511.d

Analysis Method: 8270E | Date Collected: 02/02/2023 13:35

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
15831-10-4	3 & 4 Methylphenol	10	U	10	0.64
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: N41511.d

Analysis Method: 8270E | Date Collected: 02/02/2023 13:35

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	2.0	U	2.0	1.3
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	0.59	J	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: N41511.d

Analysis Method: 8270E | Date Collected: 02/02/2023 13:35

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:17

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	20	U	20	1.4
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		37-150
321-60-8	2-Fluorobiphenyl	74		46-139
367-12-4	2-Fluorophenol (Surr)	48		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	85		52-137
4165-62-2	Phenol-d5 (Surr)	31		10-56
1718-51-0	Terphenyl-d14 (Surr)	53		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d
Lims ID: 460-273970-F-2-A
Client ID: MW-10_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 20:17:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-017
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:25:43 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:45:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.243	3.234	0.009	96	94753	4.80	
$ 6 Phenol-d5	99	4.101	4.108	-0.007	97	70361	3.09	
* 14 1,4-Dichlorobenzene-d4	152	4.484	4.485	0.000	95	133639	8.00	
$ 27 Nitrobenzene-d5	82	5.008	5.011	-0.003	88	167315	8.51	
* 38 Naphthalene-d8	136	5.697	5.701	-0.004	99	444670	8.00	
39 Naphthalene	128	5.716	5.720	-0.004	98	4142	0.0736	
$ 51 2-Fluorobiphenyl	172	6.727	6.733	-0.006	96	354127	7.41	
* 64 Acenaphthene-d10	164	7.365	7.368	-0.003	95	249741	8.00	
$ 80 2,4,6-Tribromophenol	330	8.109	8.113	-0.004	91	77194	9.76	
* 87 Phenanthrene-d10	188	8.774	8.774	0.000	98	470537	8.00	
$ 96 Terphenyl-d14	244	10.298	10.303	-0.005	98	222537	5.27	
* 102 Chrysene-d12	240	11.428	11.436	-0.008	99	292425	8.00	
* 109 Perylene-d12	264	13.358	13.369	-0.011	99	321442	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

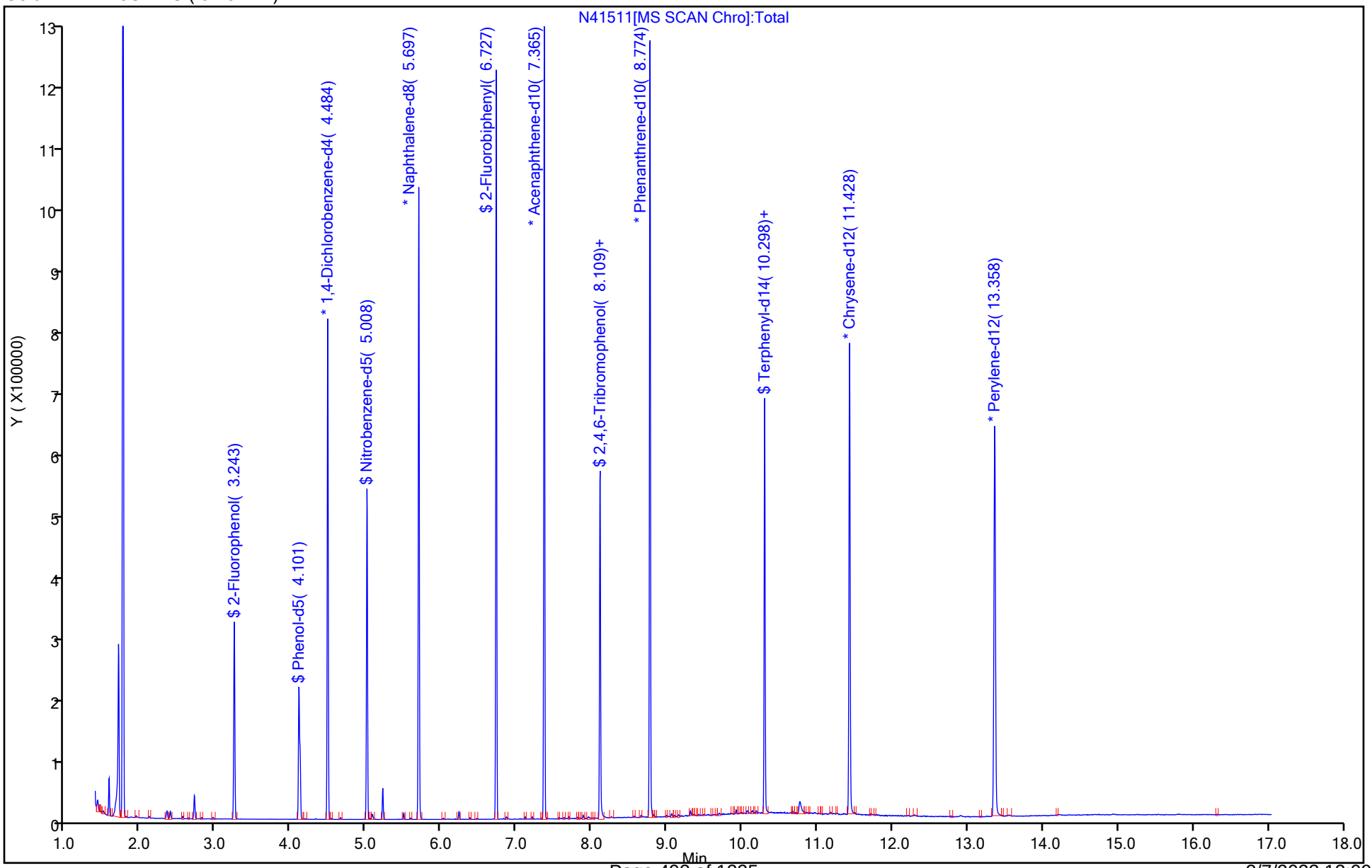
Report Date: 06-Feb-2023 09:25:44 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d

Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2	Worklist Smp#:	17
Client ID:	MW-10_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d
Lims ID: 460-273970-F-2-A
Client ID: MW-10_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 20:17:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-017
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:25:43 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:45:15

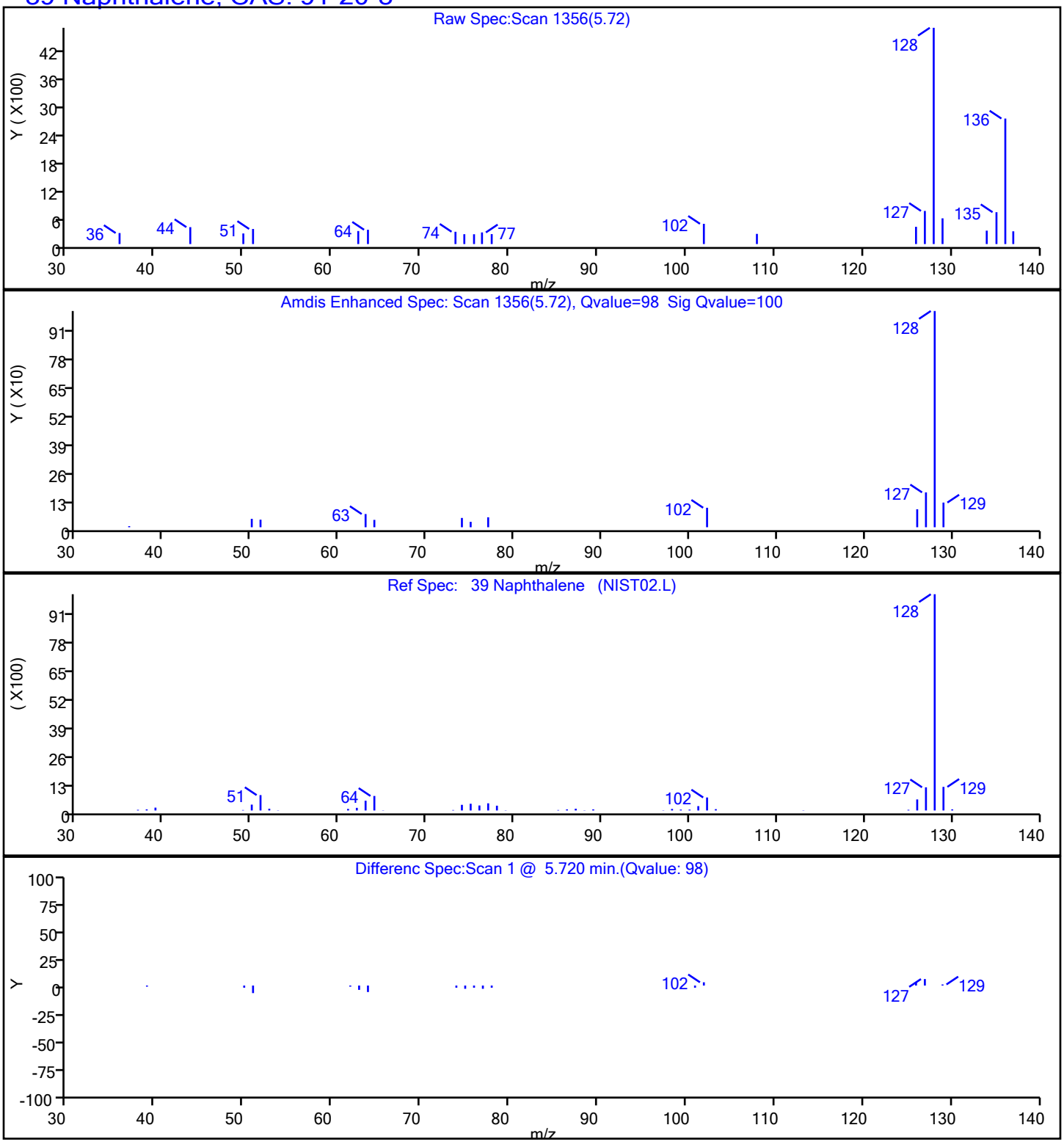
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.80	48.02
$ 6 Phenol-d5	10.0	3.09	30.88
$ 27 Nitrobenzene-d5	10.0	8.51	85.12
$ 51 2-Fluorobiphenyl	10.0	7.41	74.08
$ 80 2,4,6-Tribromophenol	10.0	9.76	97.62
$ 96 Terphenyl-d14	10.0	5.27	52.69

Report Date: 06-Feb-2023 09:25:44 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



2/7/2023 12:09 PM

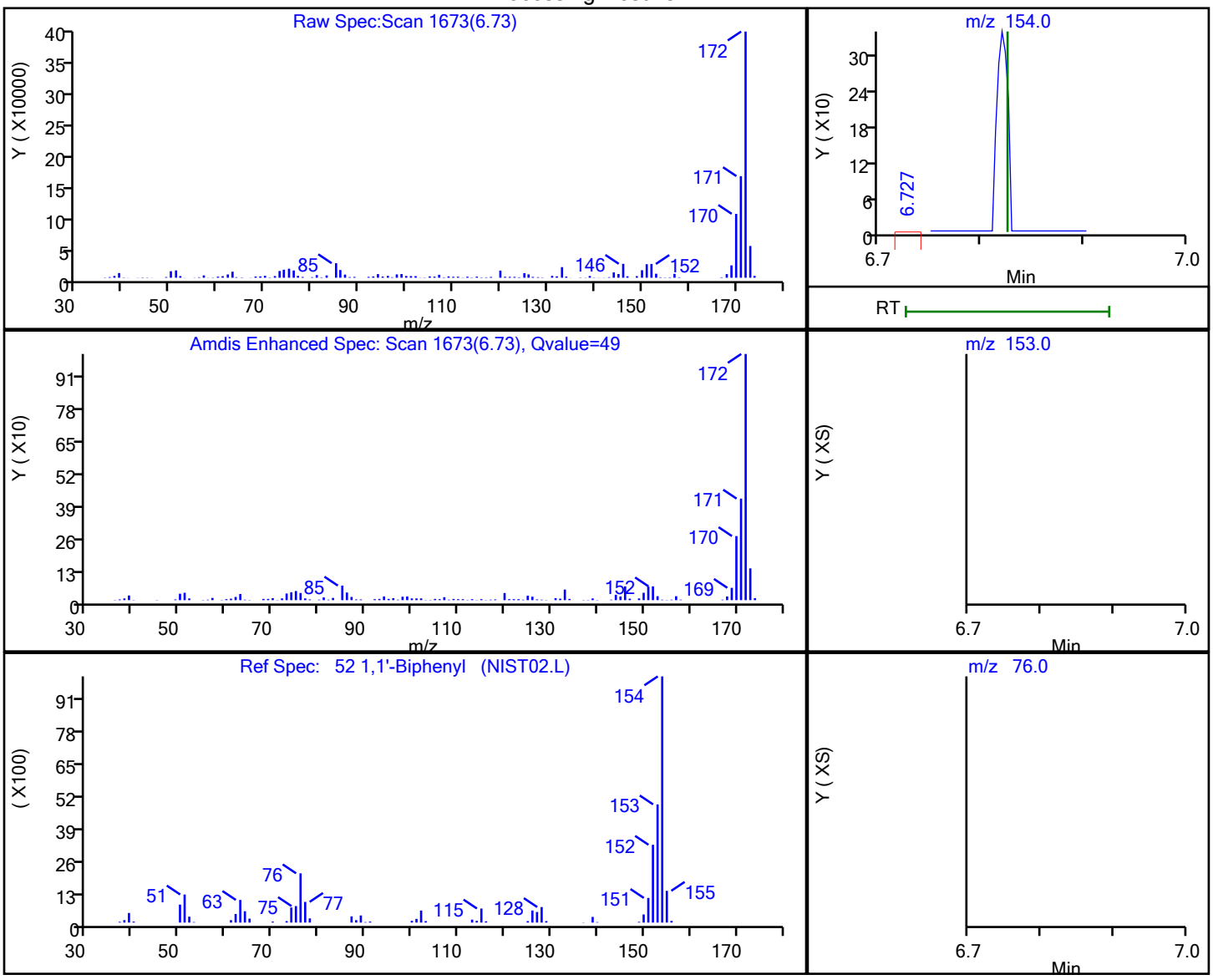
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.73	154.00	649	0.014088
6.73	153.00	5809	
6.73	76.00	10223	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:54

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

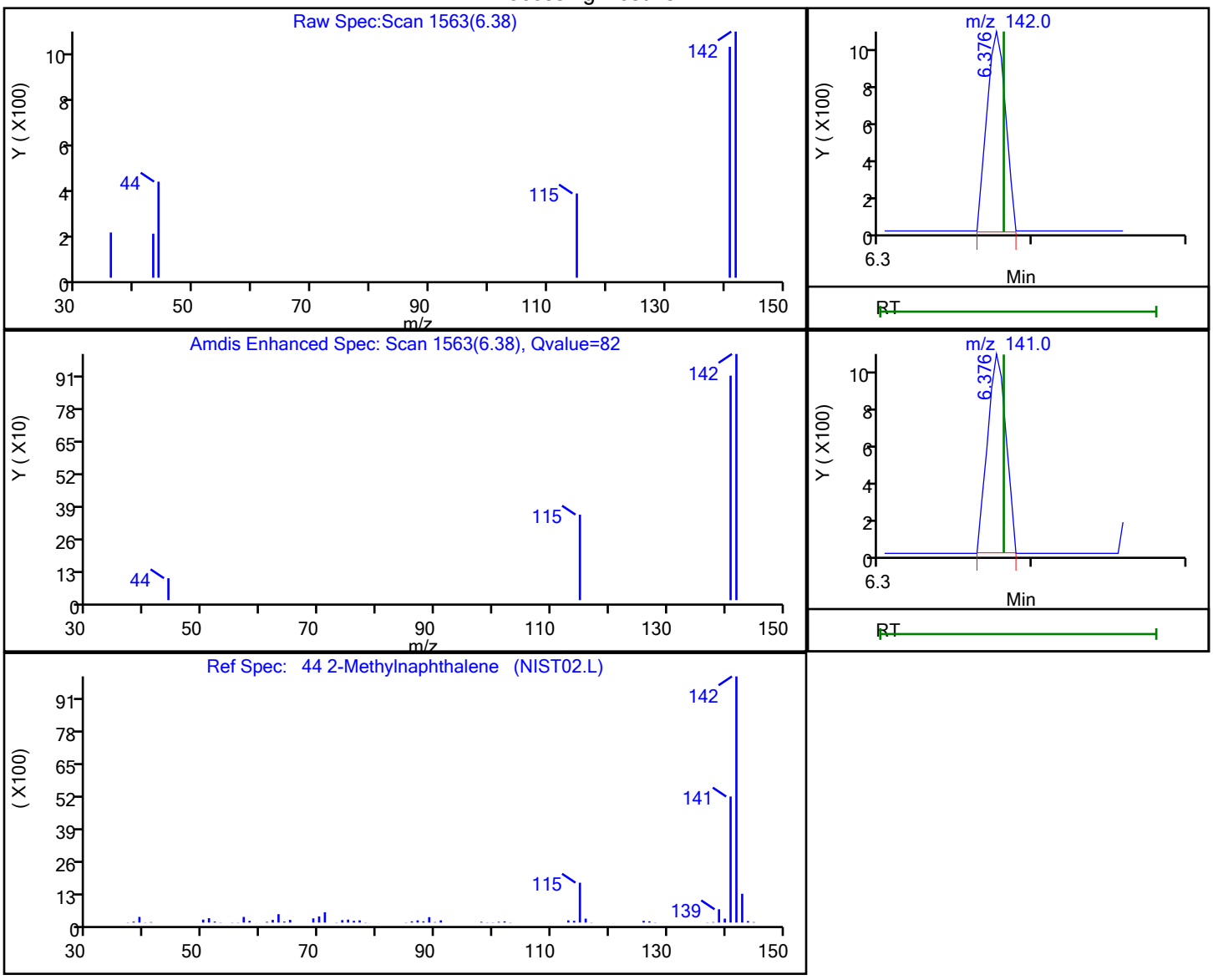
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
6.38	142.00	921	0.024399
6.38	141.00	854	

Reviewer: G4KC, 06-Feb-2023 09:25:40

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

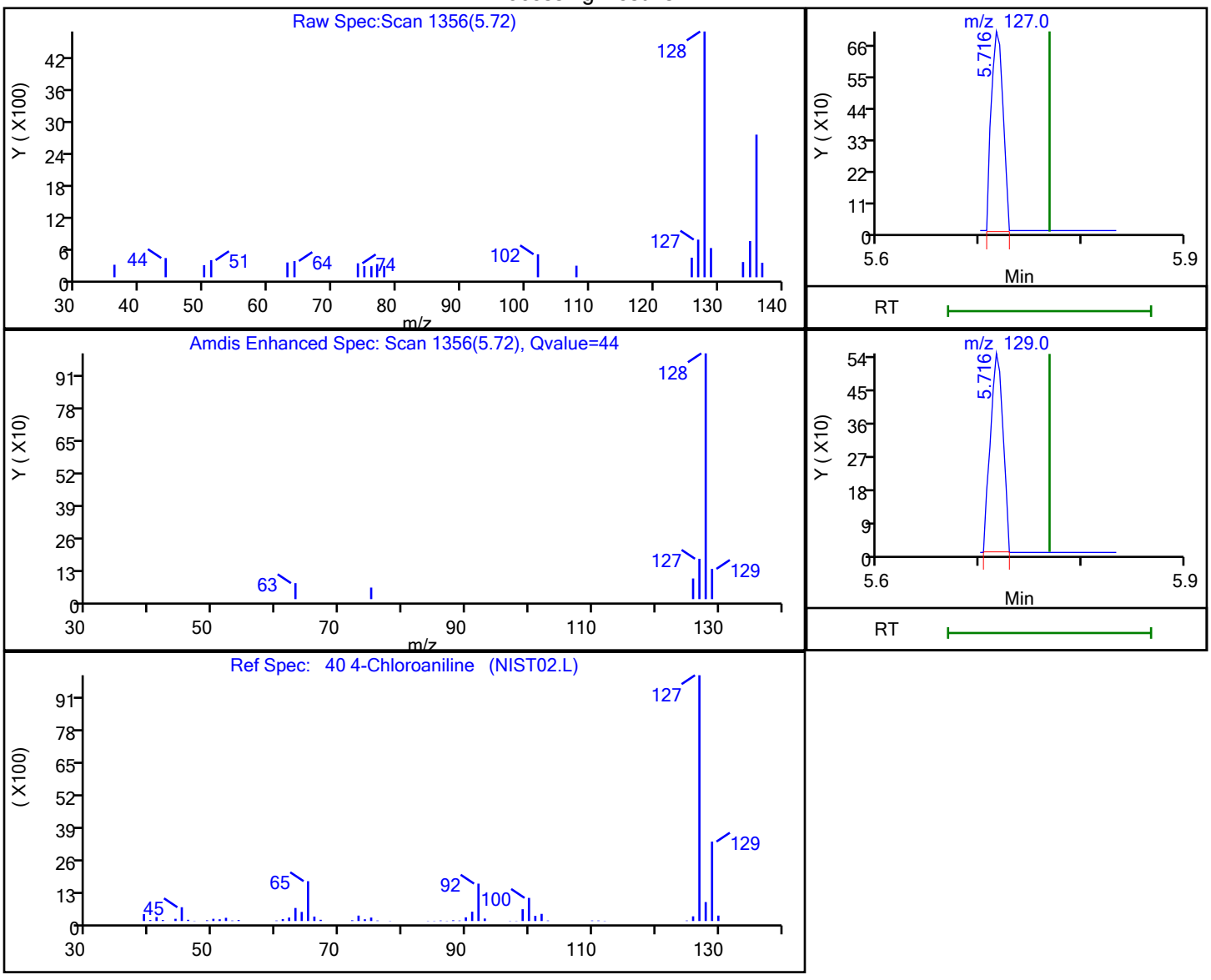
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
5.72	127.00	568	0.025788
5.72	129.00	475	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:50

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

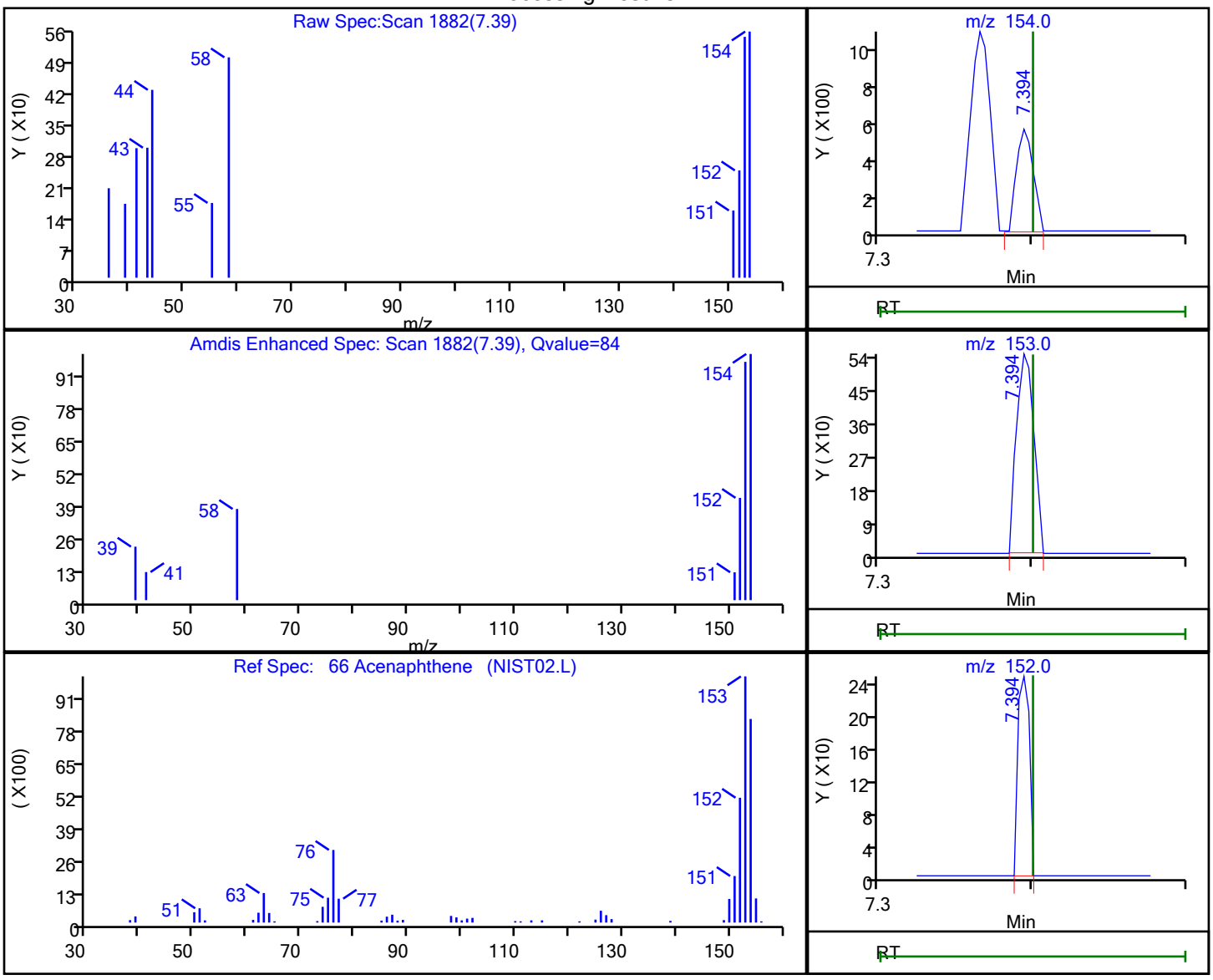
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.39	154.00	421	0.012875
7.39	153.00	428	
7.39	152.00	126	

Reviewer: khlungprakhons, 06-Feb-2023 14:44:58

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

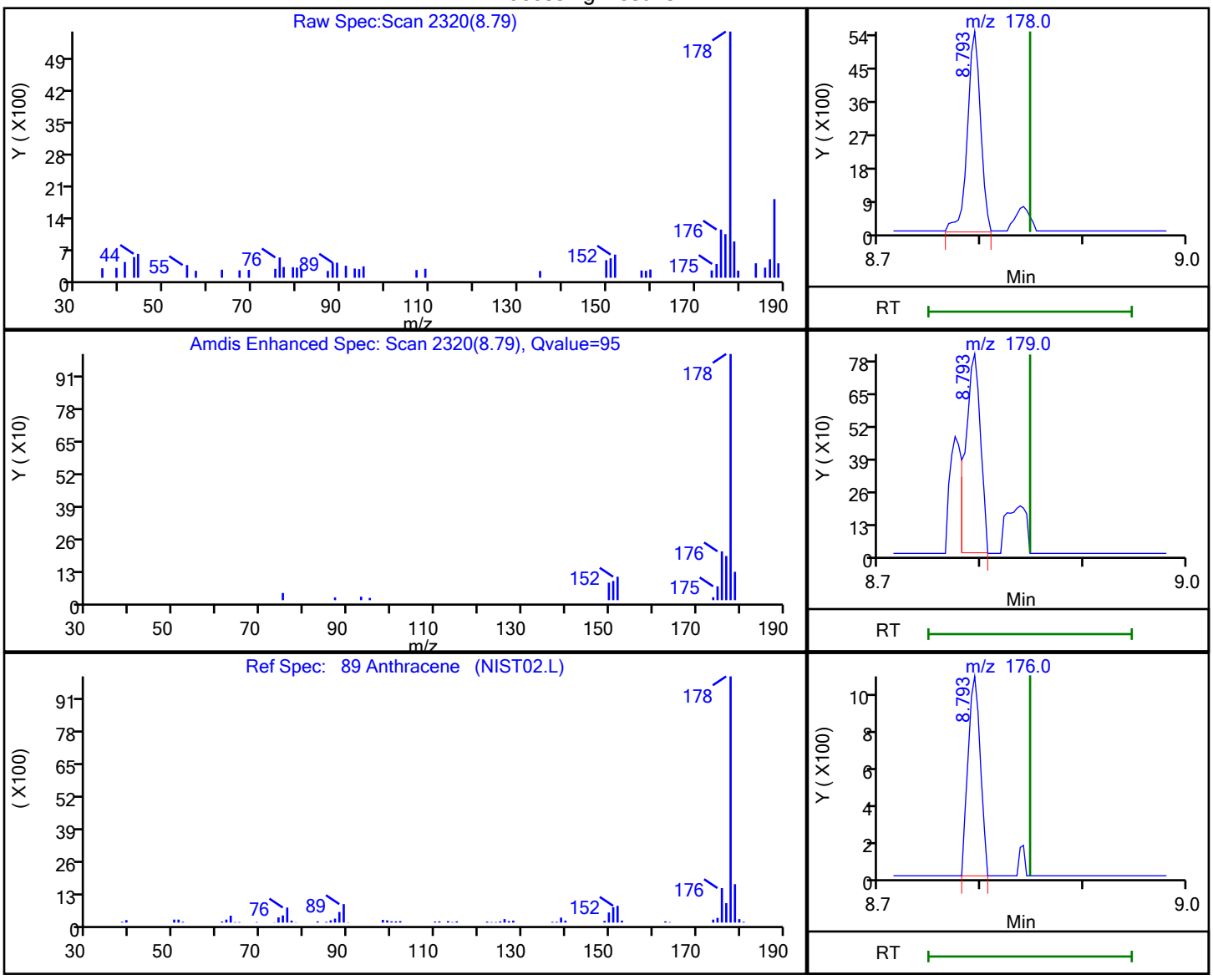
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.79	178.00	4868	0.080115
8.79	179.00	811	
8.79	176.00	898	

Reviewer: G4KC, 06-Feb-2023 09:25:26

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

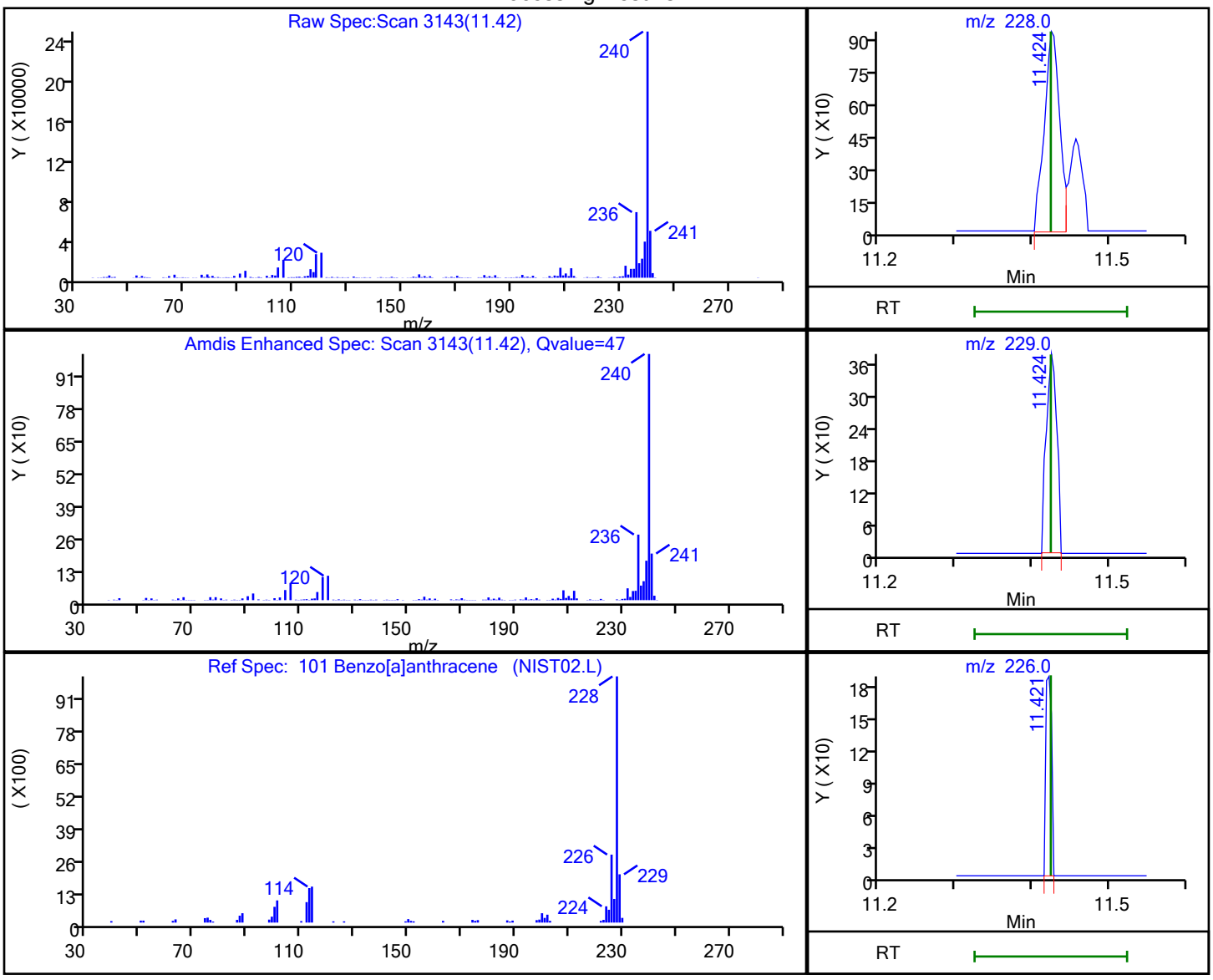
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
11.42	228.00	1311	0.029969
11.42	229.00	355	
11.42	226.00	102	

Reviewer: G4KC, 06-Feb-2023 09:25:30

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

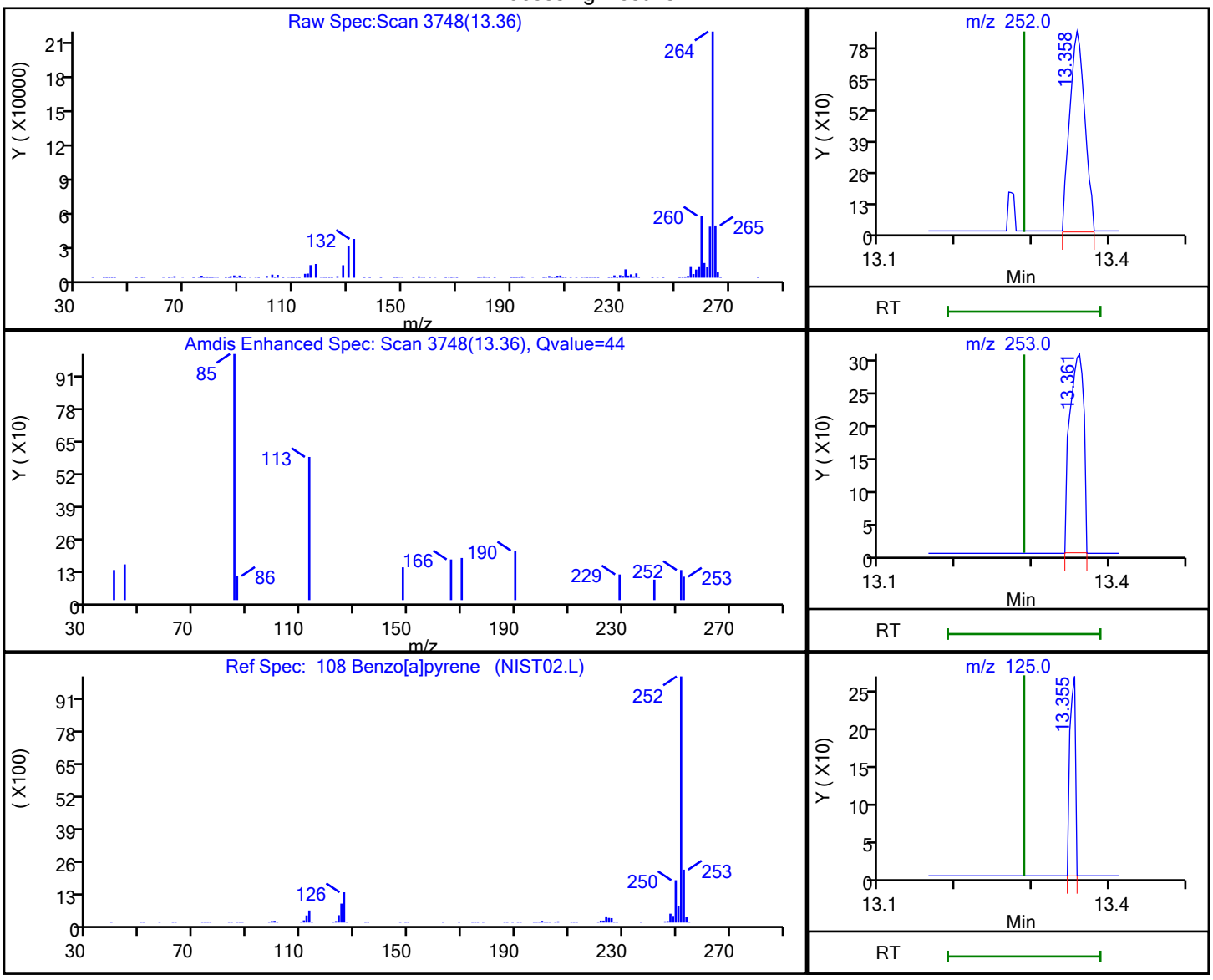
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.36	252.00	1161	0.027604
13.36	253.00	390	
13.35	125.00	132	

Reviewer: G4KC, 06-Feb-2023 09:25:32

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

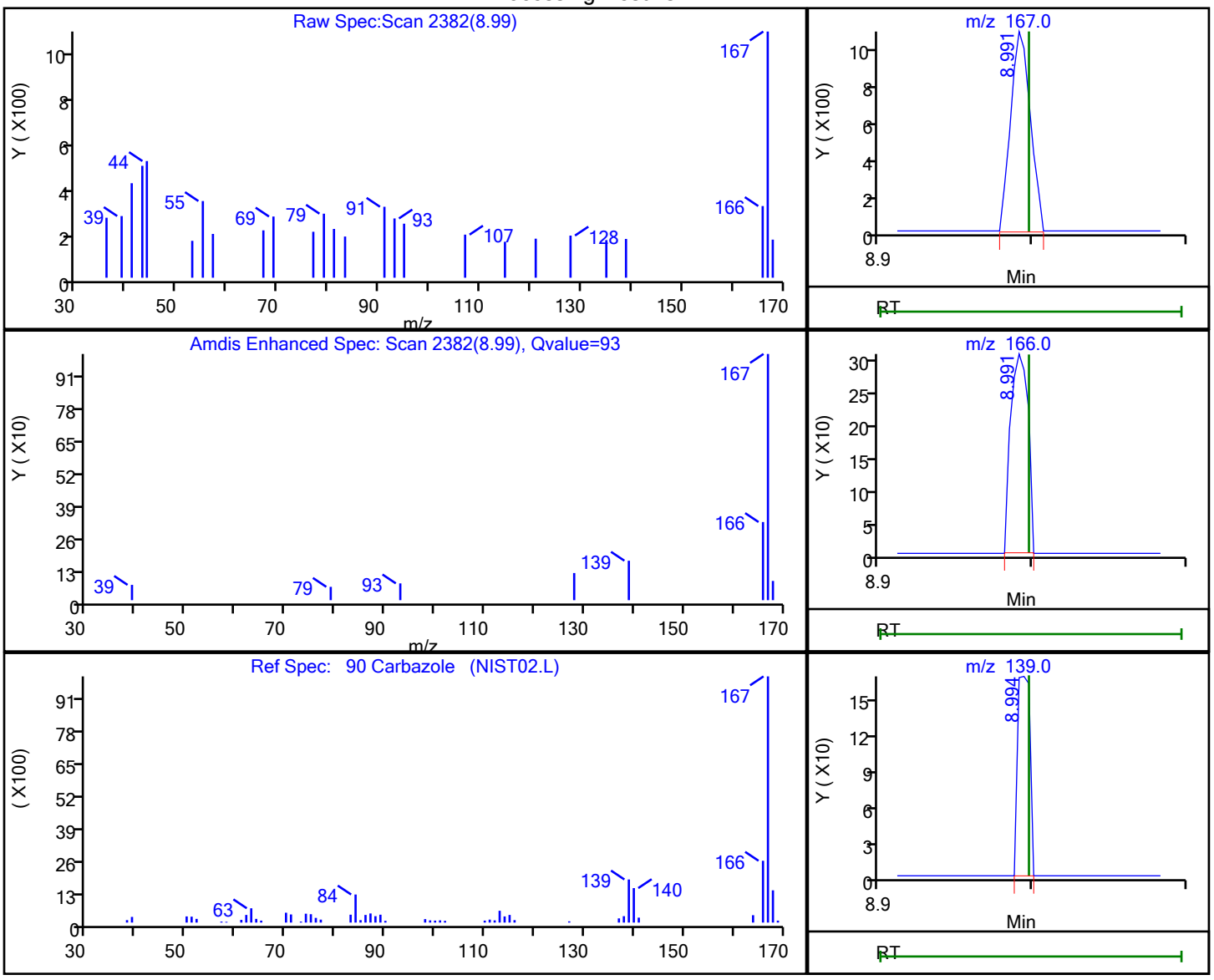
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.99	167.00	929	0.018017
8.99	166.00	239	
8.99	139.00	93	

Reviewer: G4KC, 06-Feb-2023 09:25:27

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

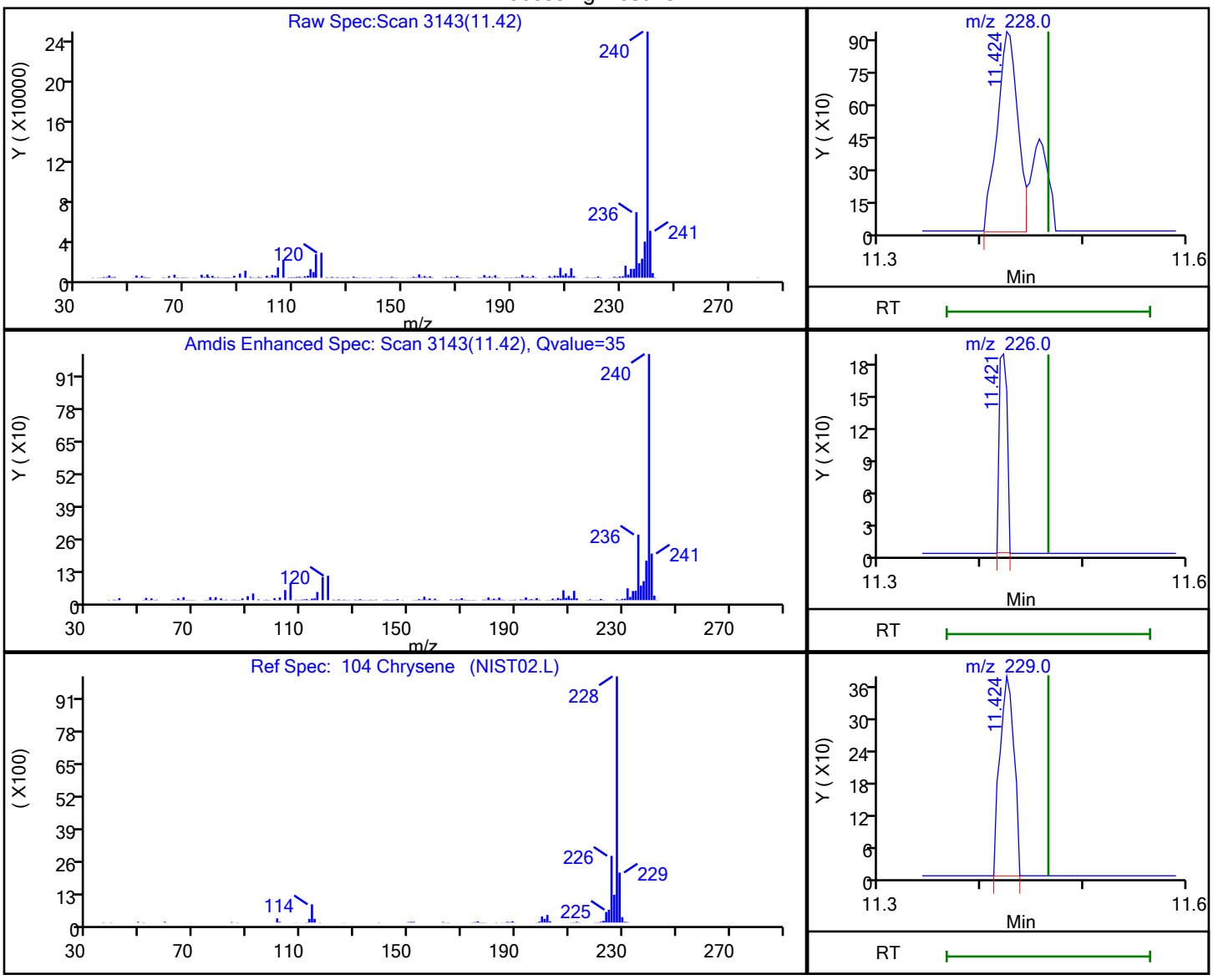
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.42	228.00	1311	0.030986
11.42	226.00	102	
11.42	229.00	355	

Reviewer: G4KC, 06-Feb-2023 09:25:31

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

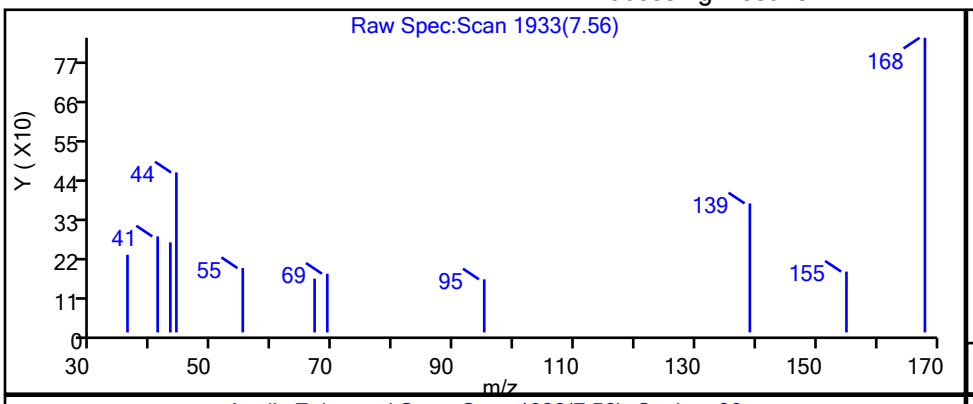
User Disabled Compound Report

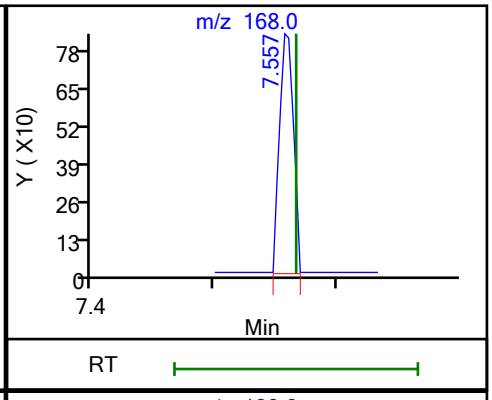
Eurofins Edison

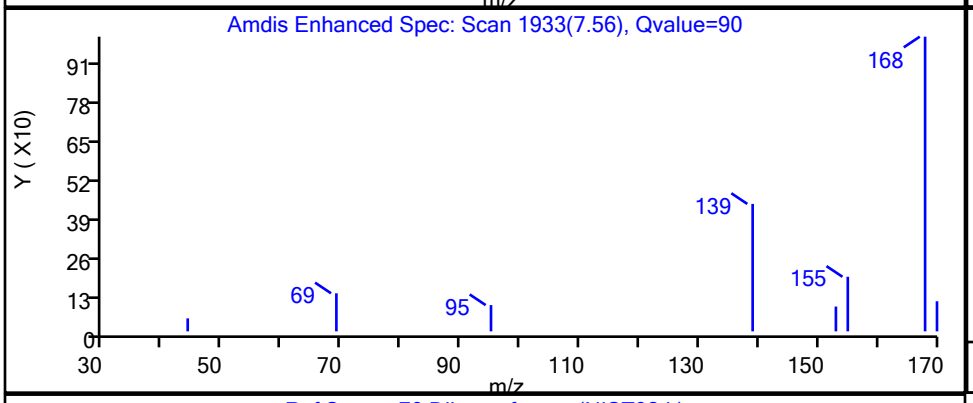
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

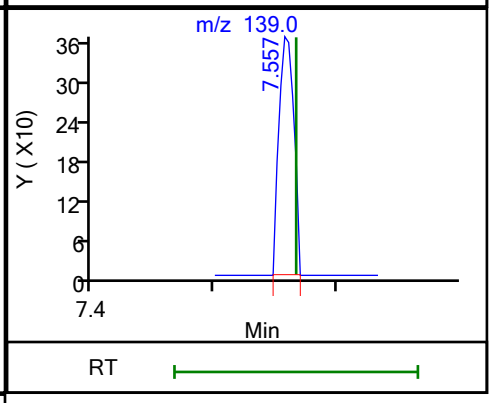
70 Dibenzofuran, CAS: 132-64-9

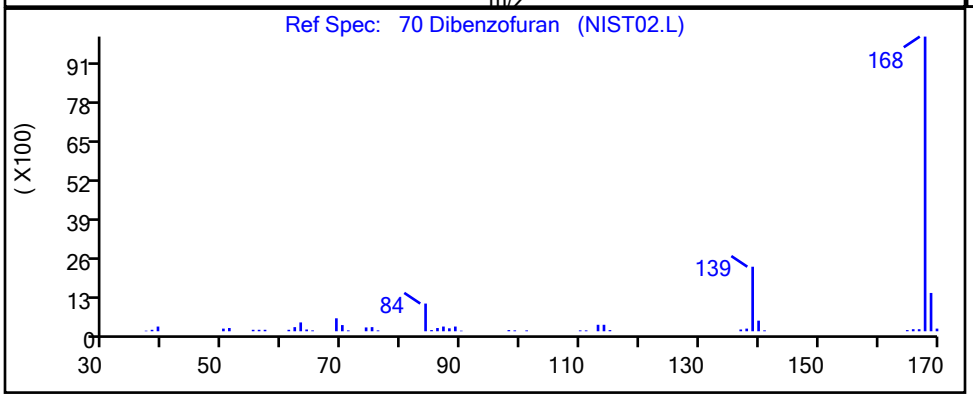
Processing Results











RT	Mass	Response	Amount
7.56	168.00	666	0.013073
7.56	139.00	313	

Reviewer: G4KC, 06-Feb-2023 09:25:35

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

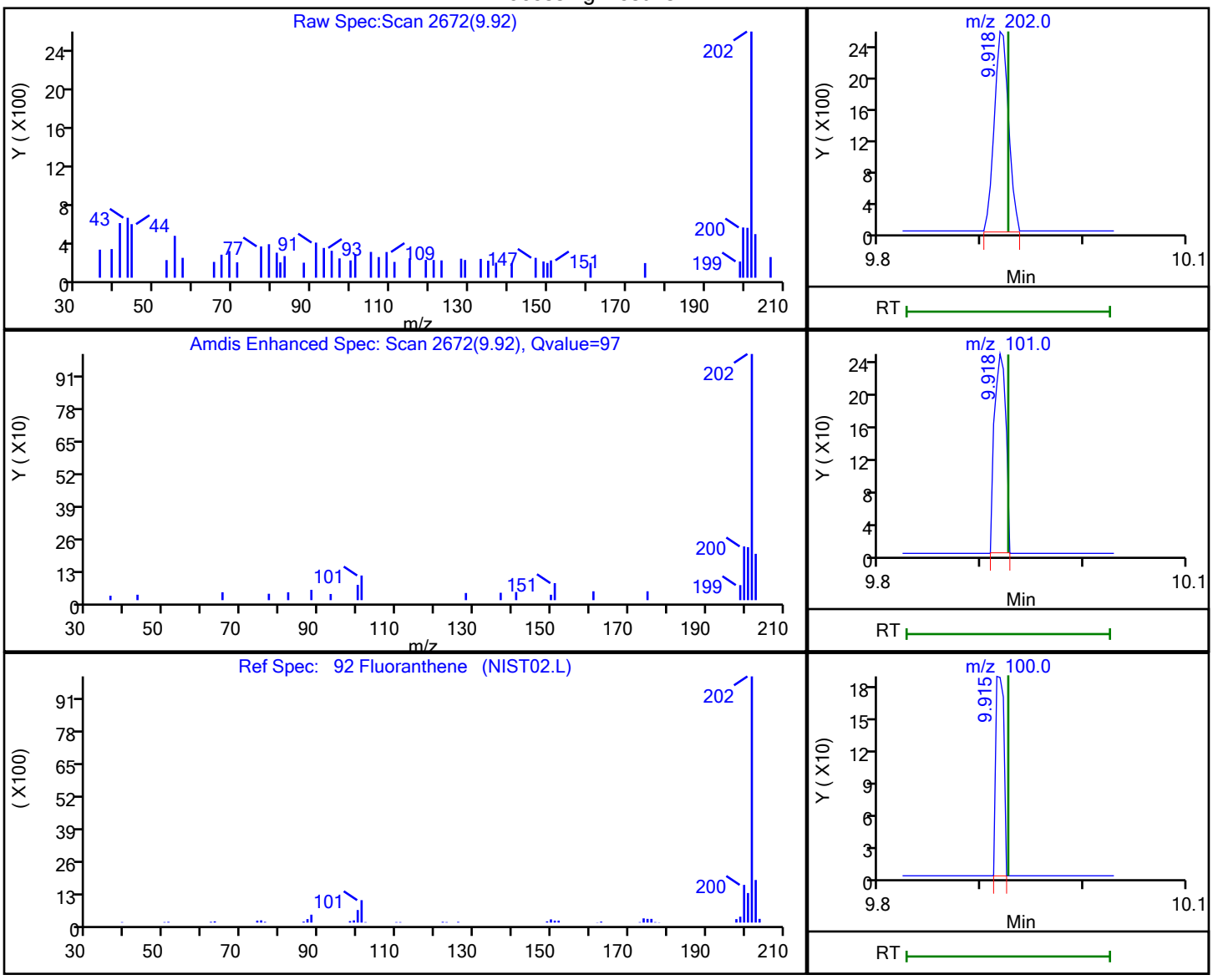
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.92	202.00	2509	0.042194
9.92	101.00	192	
9.91	100.00	102	

Reviewer: G4KC, 06-Feb-2023 09:25:28

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

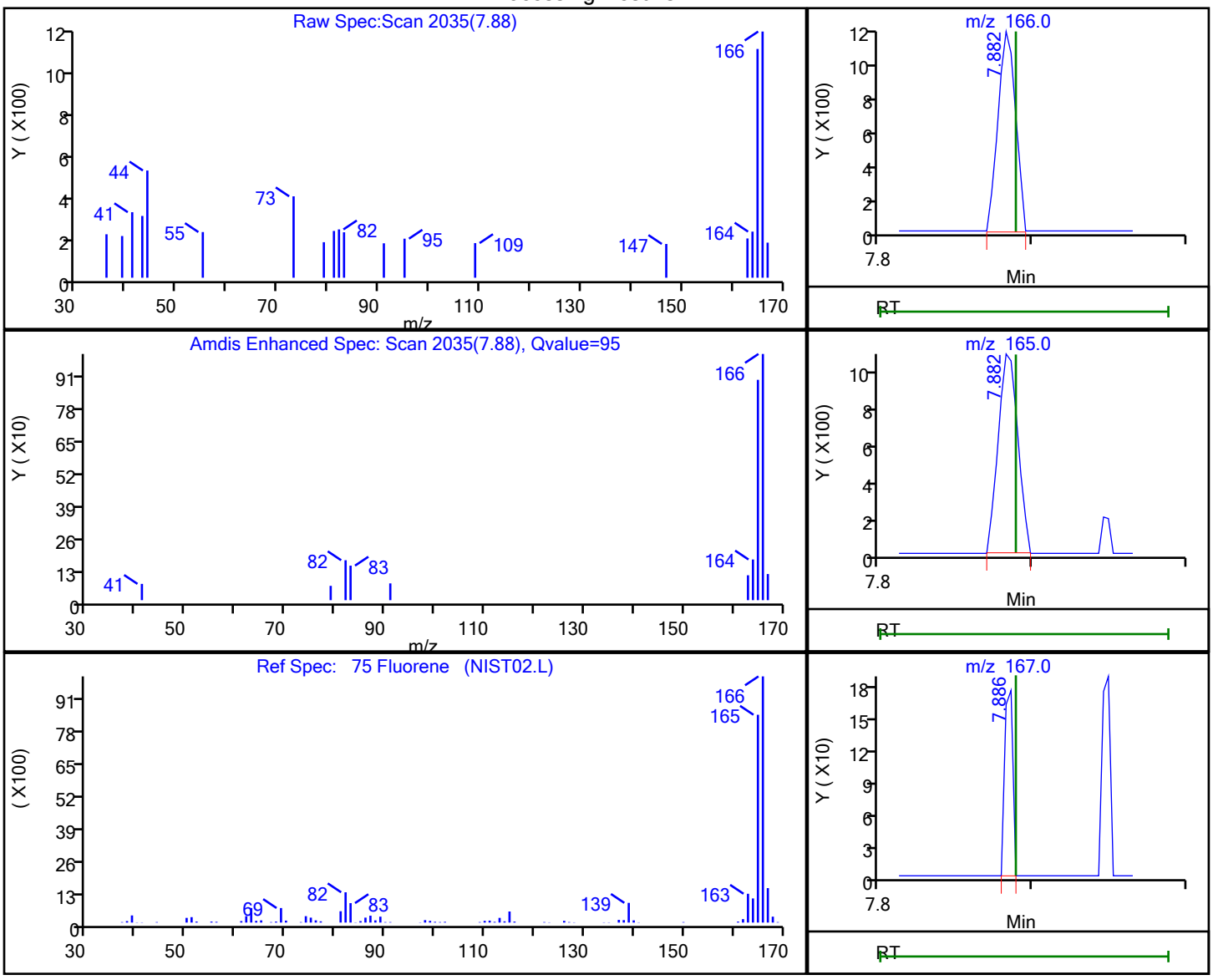
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.88	166.00	892	0.022341
7.88	165.00	929	
7.89	167.00	64	

Reviewer: G4KC, 06-Feb-2023 09:25:36

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

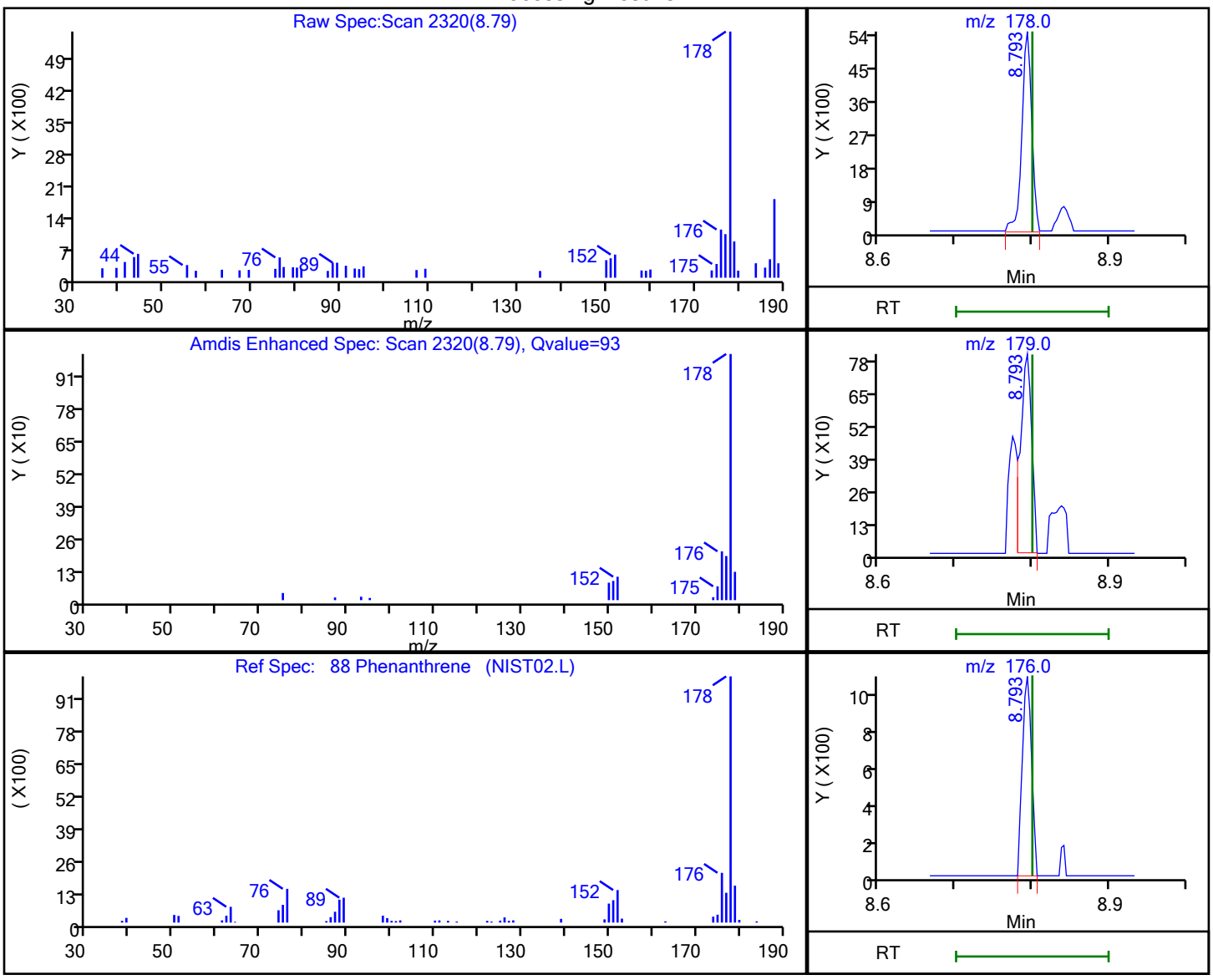
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.79	178.00	4868	0.081004
8.79	179.00	811	
8.79	176.00	898	

Reviewer: G4KC, 06-Feb-2023 09:25:27

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

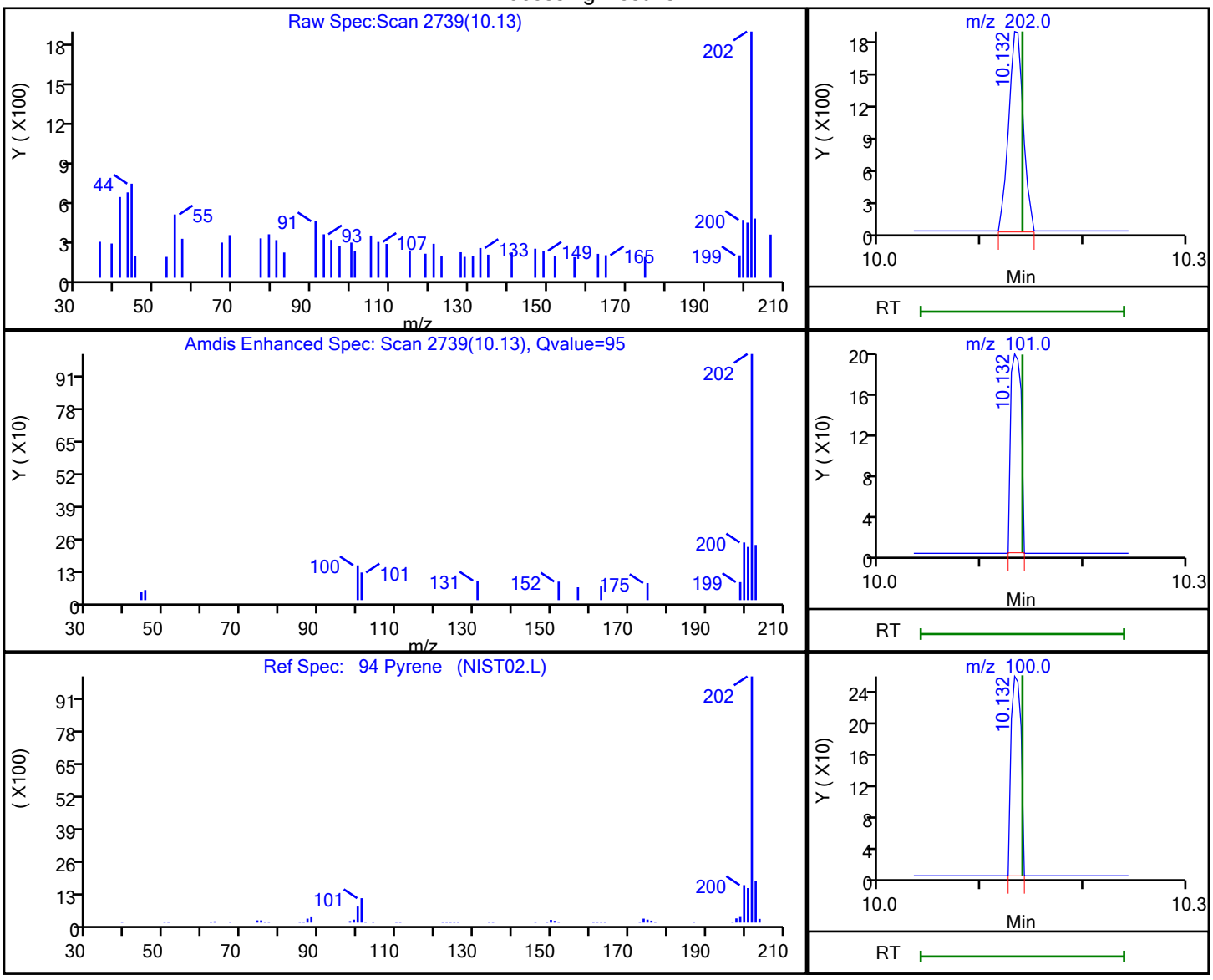
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41511.d				
Injection Date:	05-Feb-2023 20:17:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-2-A	Lab Sample ID:	460-273970-2		
Client ID:	MW-10_20230202				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.13	202.00	1796	0.034716
10.13	101.00	140	
10.13	100.00	173	

Reviewer: G4KC, 06-Feb-2023 09:25:29

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: N41512.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:05

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	0.87	J	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
15831-10-4	3 & 4 Methylphenol	10	U	10	0.64
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: N41512.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:05

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	2.0	U	2.0	1.3
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: N41512.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:05

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 20:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	20	U	20	1.4
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	91		37-150
321-60-8	2-Fluorobiphenyl	69		46-139
367-12-4	2-Fluorophenol (Surr)	41		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	80		52-137
4165-62-2	Phenol-d5 (Surr)	25		10-56
1718-51-0	Terphenyl-d14 (Surr)	43		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d
Lims ID: 460-273970-D-3-A
Client ID: MW-09_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 20:38:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-018
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:26:16 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:45:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.244	3.234	0.010	96	68606	4.09	
$ 6 Phenol-d5	99	4.105	4.108	-0.003	97	48808	2.52	
* 14 1,4-Dichlorobenzene-d4	152	4.485	4.485	0.001	95	113562	8.00	
$ 27 Nitrobenzene-d5	82	5.008	5.011	-0.003	87	132298	7.98	
* 38 Naphthalene-d8	136	5.698	5.701	-0.003	99	375300	8.00	
44 2-Methylnaphthalene	142	6.375	6.381	-0.006	80	3480	0.1092	
$ 51 2-Fluorobiphenyl	172	6.726	6.733	-0.007	96	279865	6.87	
* 64 Acenaphthene-d10	164	7.366	7.368	-0.002	95	212846	8.00	
$ 80 2,4,6-Tribromophenol	330	8.109	8.113	-0.004	92	61031	9.06	
* 87 Phenanthrene-d10	188	8.772	8.774	-0.002	98	394750	8.00	
$ 96 Terphenyl-d14	244	10.299	10.303	-0.004	98	164882	4.35	
* 102 Chrysene-d12	240	11.427	11.436	-0.009	99	262458	8.00	
* 109 Perylene-d12	264	13.360	13.369	-0.009	100	325391	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

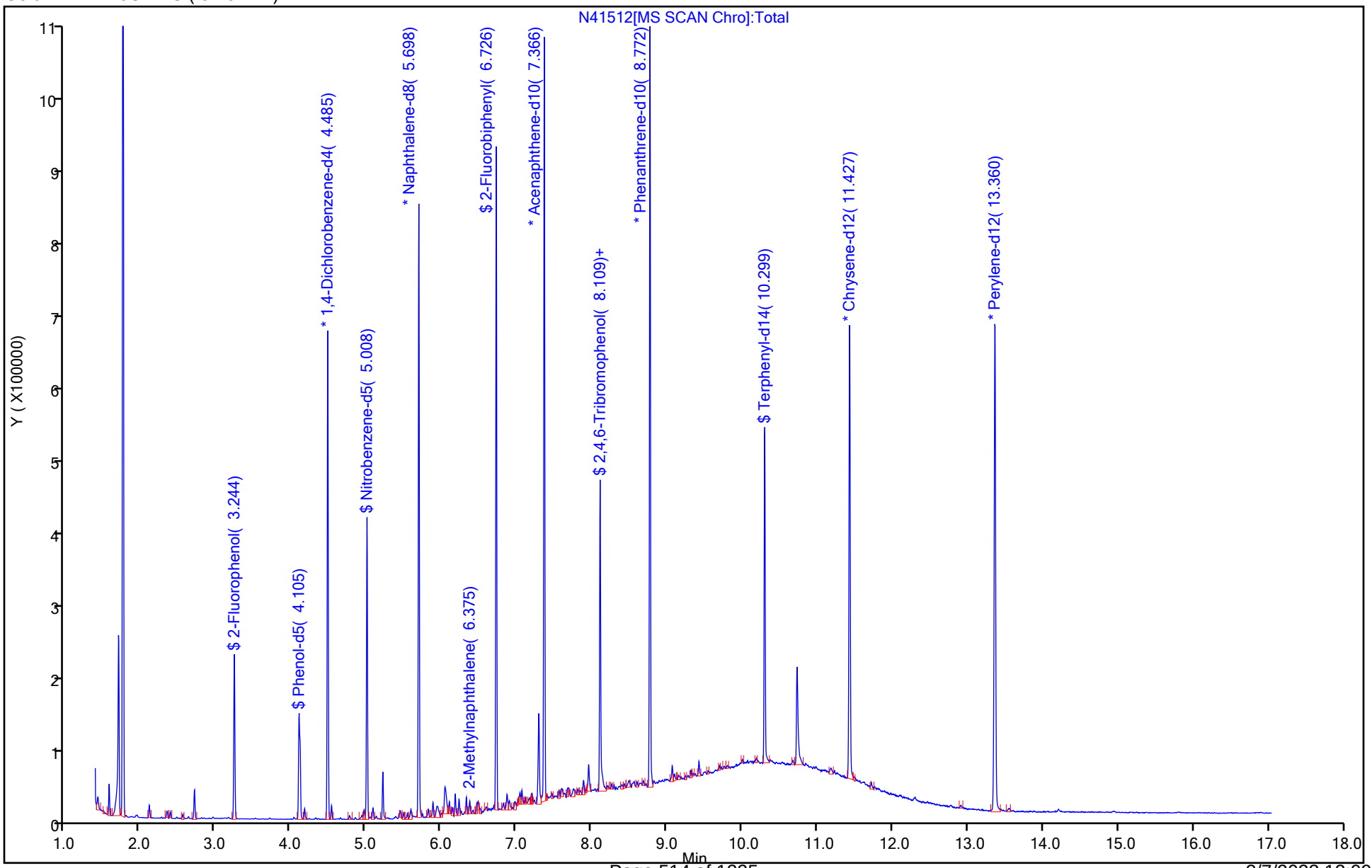
Report Date: 06-Feb-2023 09:26:17 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d

Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3	Worklist Smp#:	18
Client ID:	MW-09_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d
Lims ID: 460-273970-D-3-A
Client ID: MW-09_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 20:38:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-018
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:26:16 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

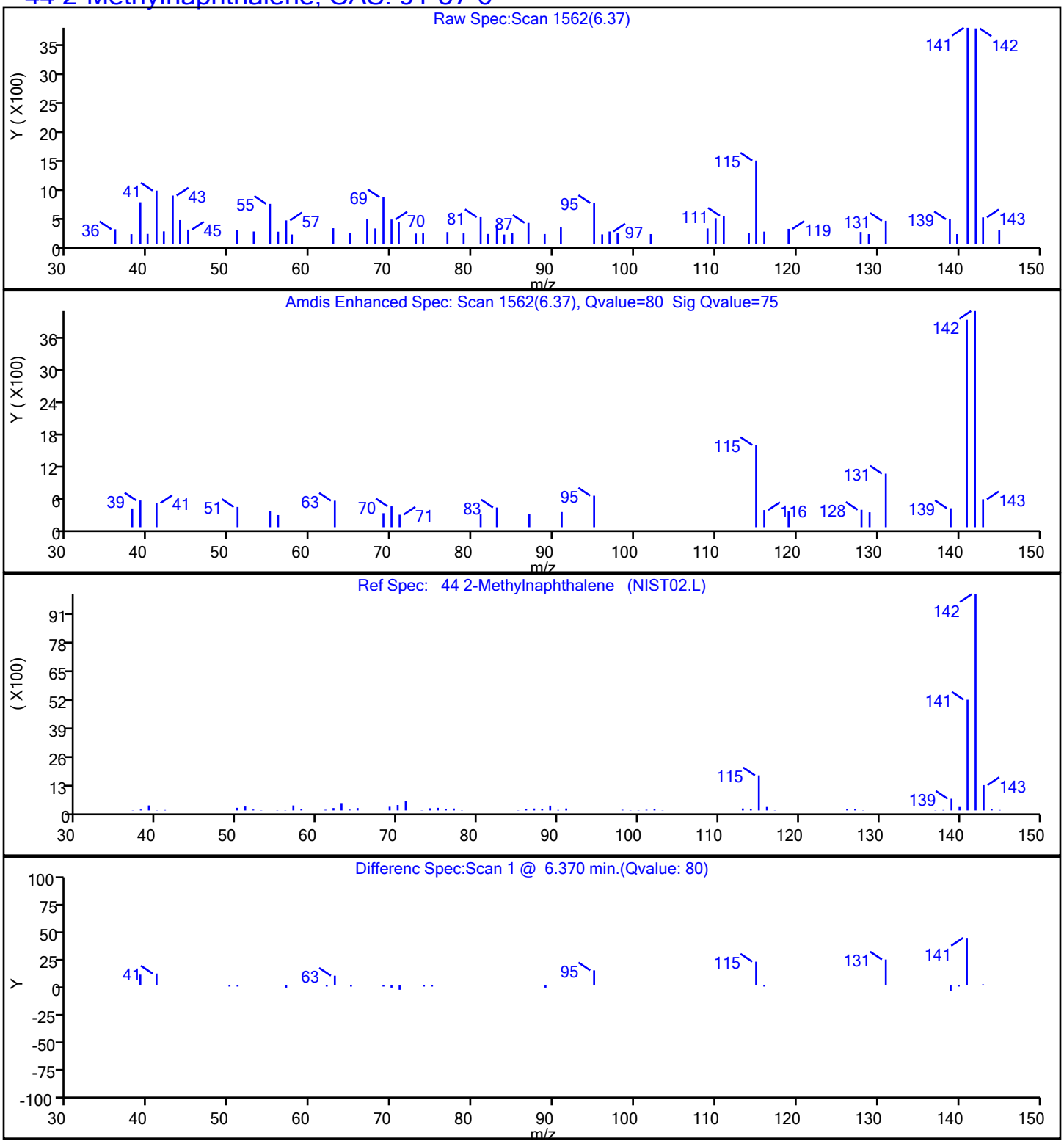
First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:45:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.09	40.92
$ 6 Phenol-d5	10.0	2.52	25.21
$ 27 Nitrobenzene-d5	10.0	7.98	79.75
$ 51 2-Fluorobiphenyl	10.0	6.87	68.69
$ 80 2,4,6-Tribromophenol	10.0	9.06	90.56
$ 96 Terphenyl-d14	10.0	4.35	43.49

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 2-Methylnaphthalene, CAS: 91-57-6



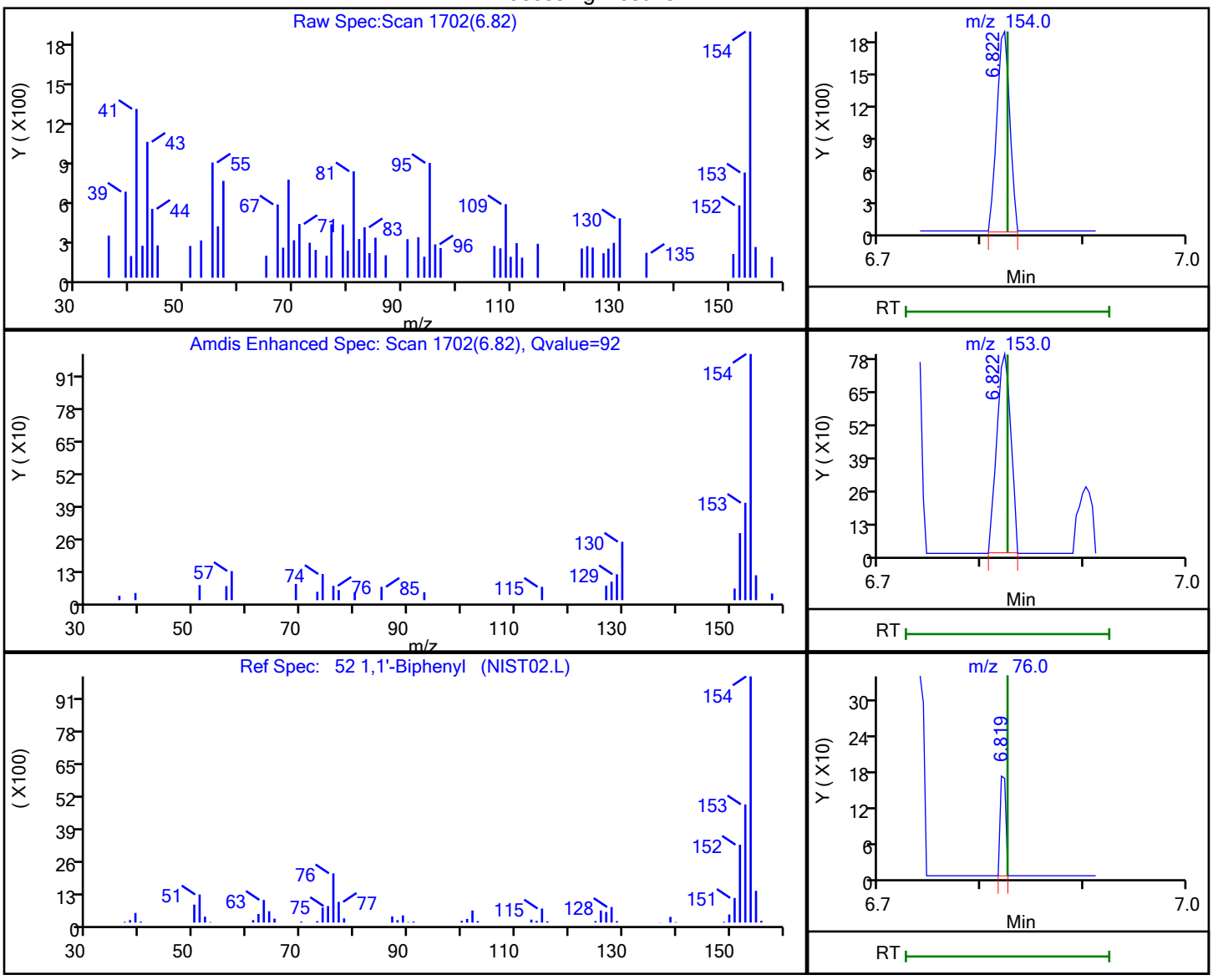
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.82	154.00	1621	0.041288
6.82	153.00	758	
6.82	76.00	64	

Reviewer: G4KC, 06-Feb-2023 09:25:55

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

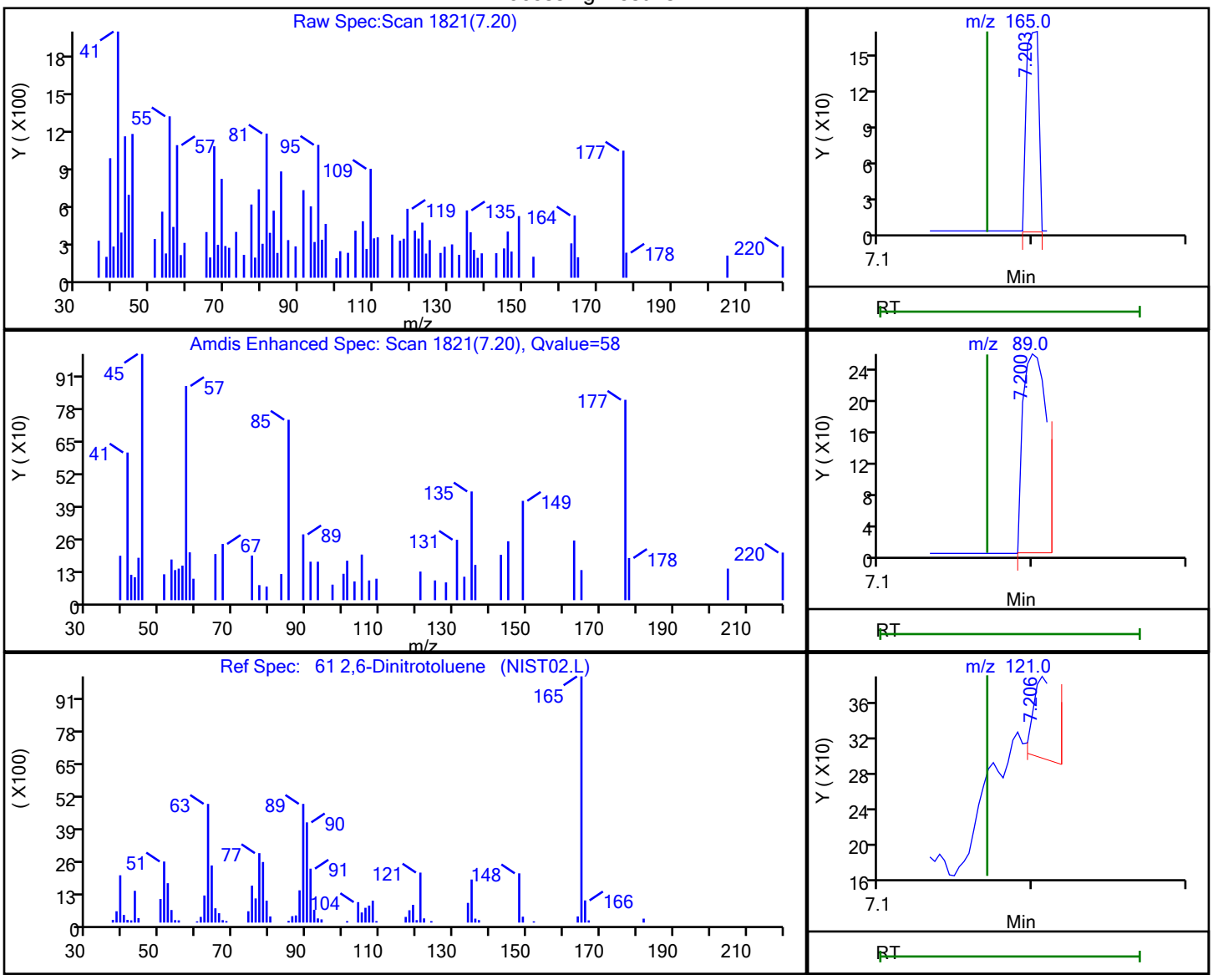
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.20	165.00	91	0.013558
7.20	89.00	254	
7.21	121.00	77	

Reviewer: G4KC, 06-Feb-2023 09:25:56

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

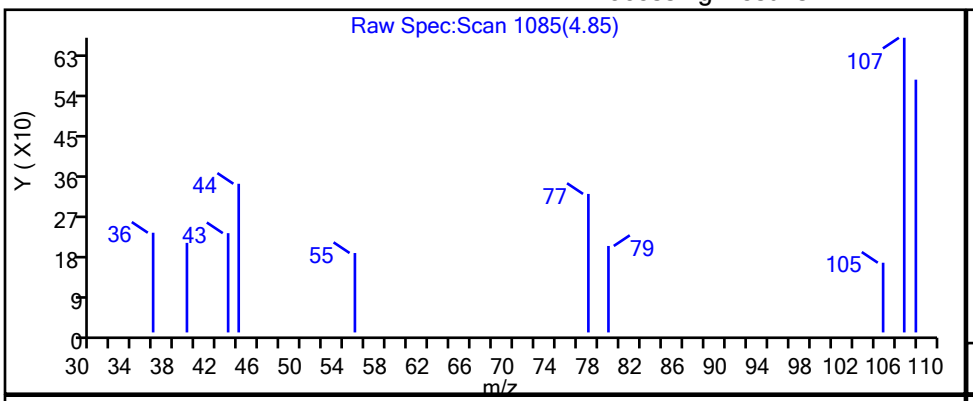
User Disabled Compound Report

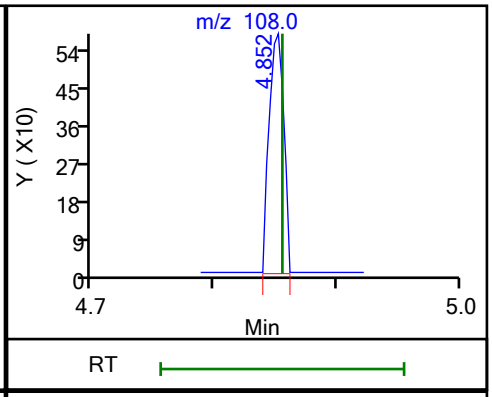
Eurofins Edison

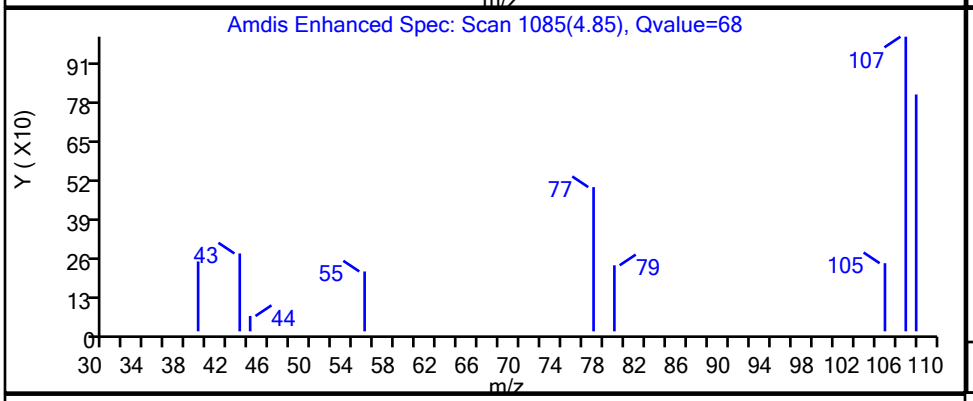
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

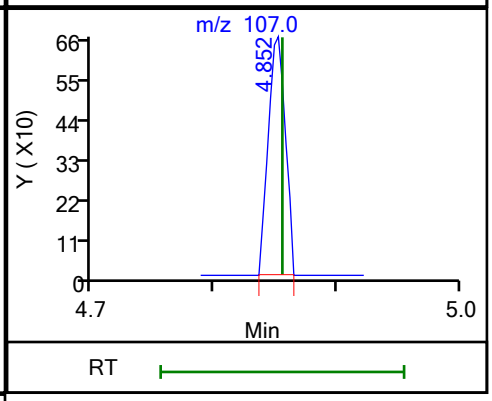
23 3 & 4 Methylphenol, CAS: 15831-10-4

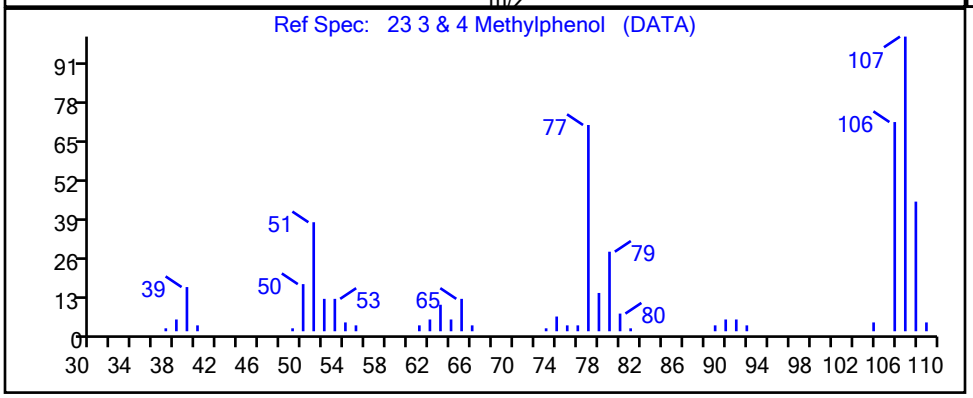
Processing Results











RT	Mass	Response	Amount
4.85	108.00	479	0.030577
4.85	107.00	651	

Reviewer: G4KC, 06-Feb-2023 09:25:49

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

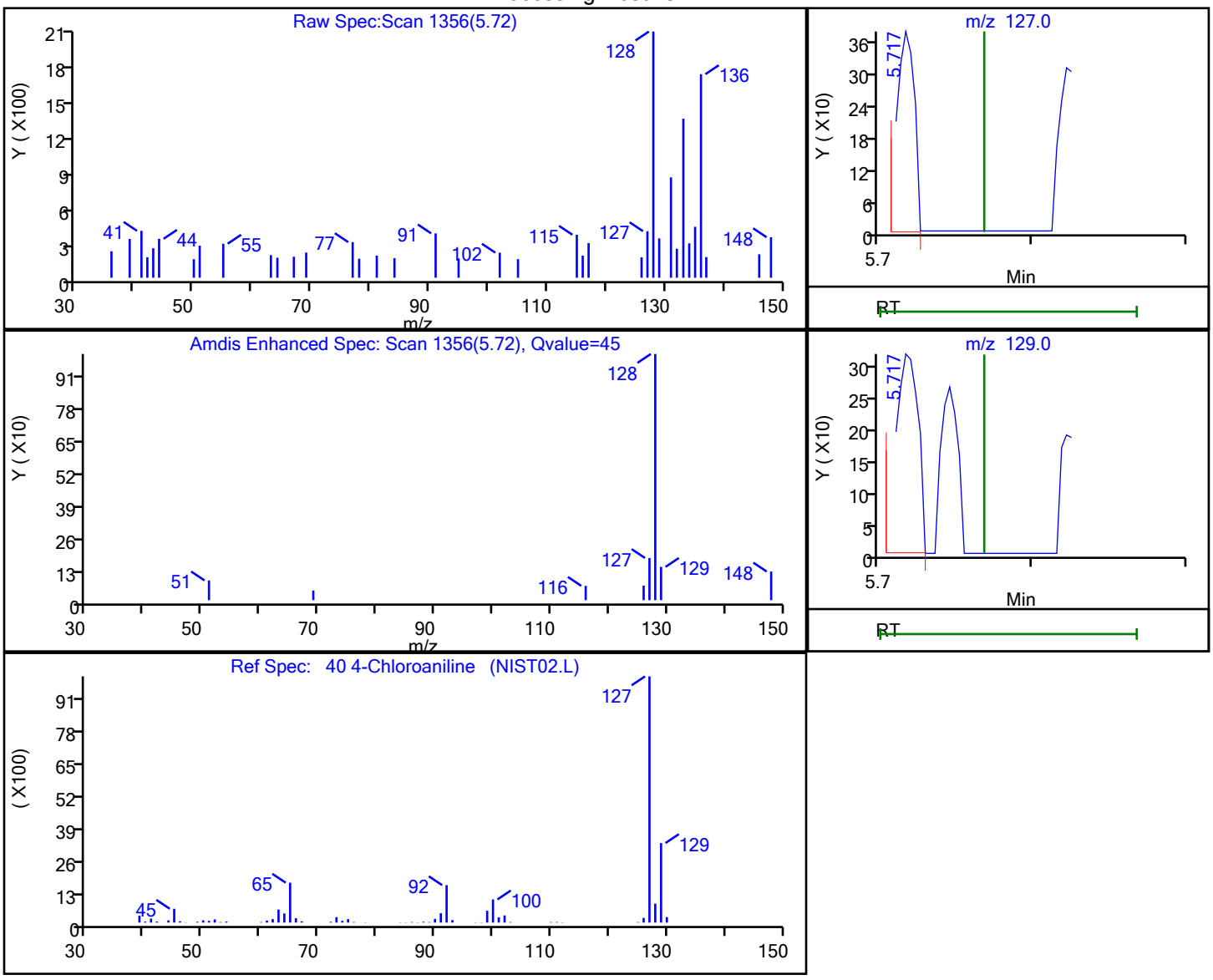
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
5.72	127.00	286	0.015385
5.72	129.00	326	

Reviewer: khlungprakhons, 06-Feb-2023 14:45:29

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

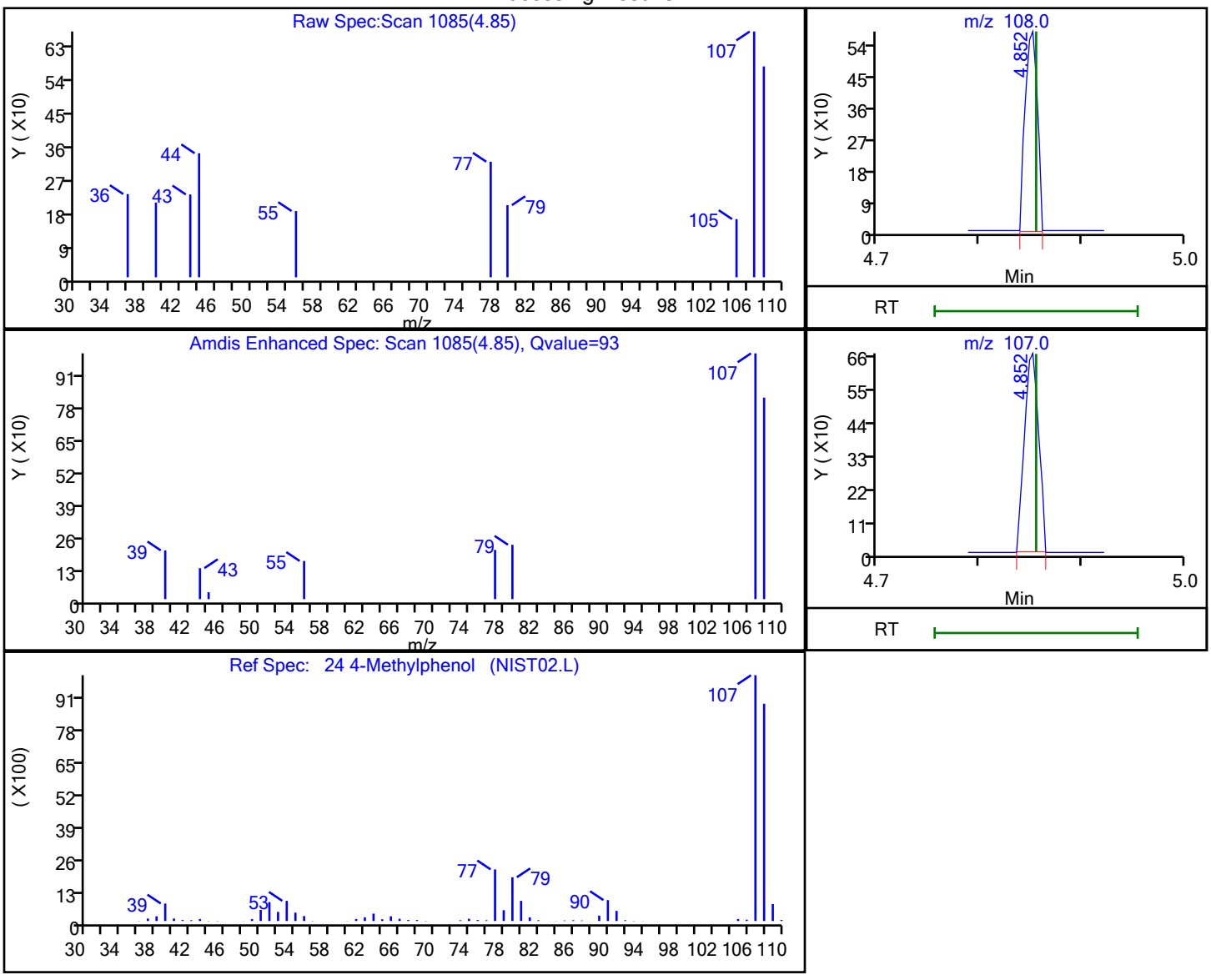
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 4-Methylphenol, CAS: 106-44-5

Processing Results



RT	Mass	Response	Amount
4.85	108.00	479	0.030577
4.85	107.00	651	

Reviewer: G4KC, 06-Feb-2023 09:25:51

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

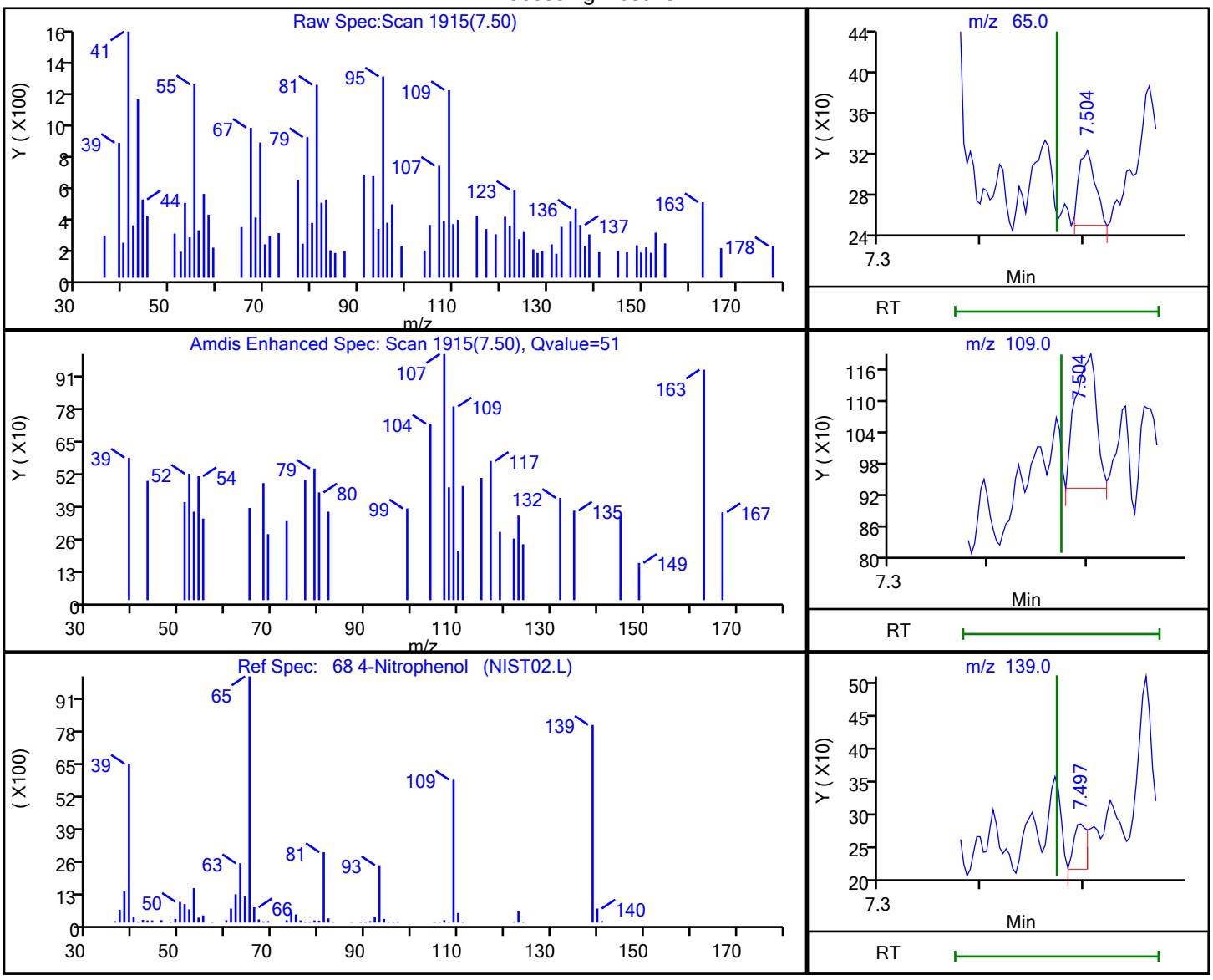
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.50	65.00	83	0.017933
7.50	109.00	382	
7.50	139.00	60	

Reviewer: G4KC, 06-Feb-2023 09:26:00

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

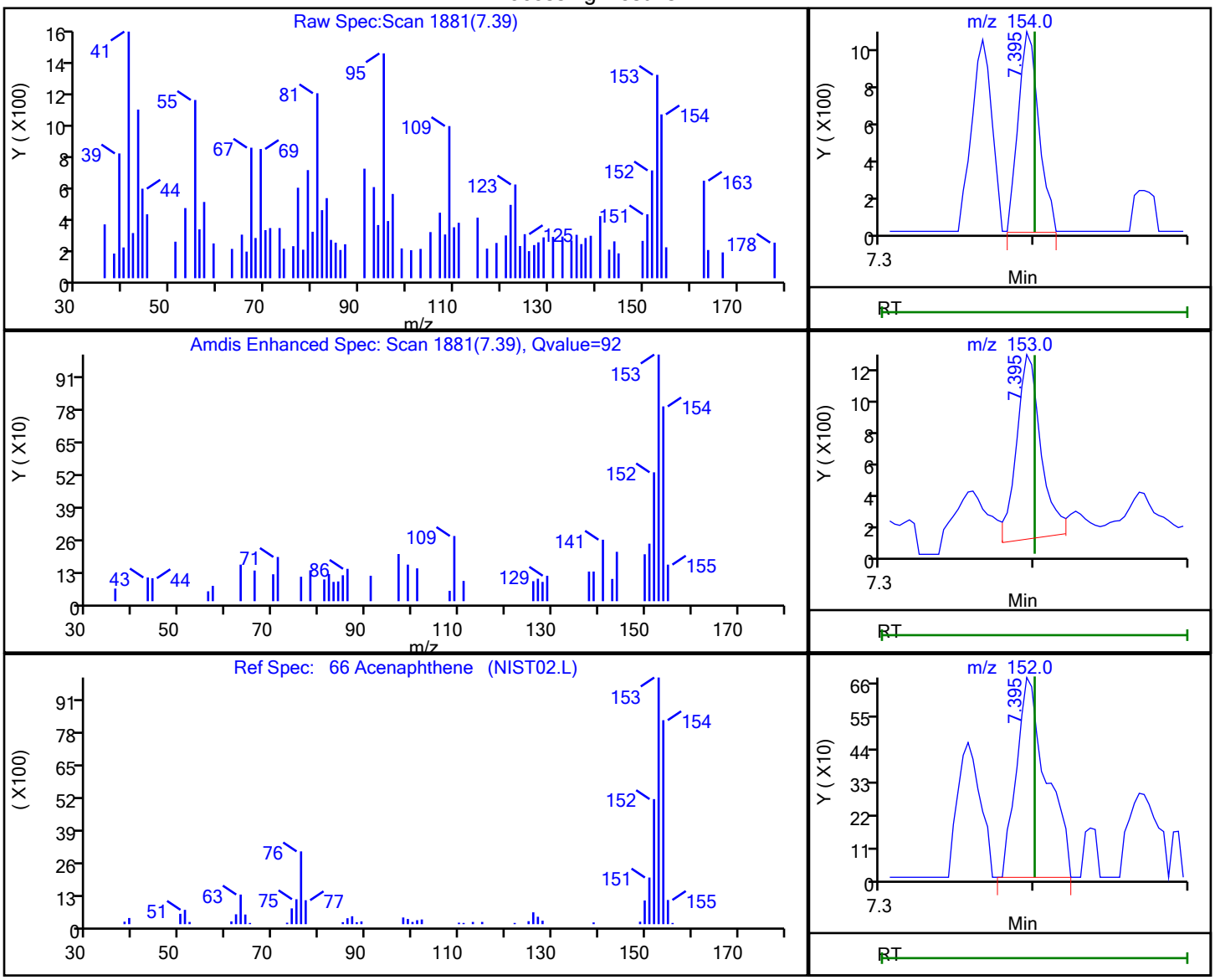
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.39	154.00	955	0.034270
7.39	153.00	1305	
7.39	152.00	918	

Reviewer: G4KC, 06-Feb-2023 09:25:59

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

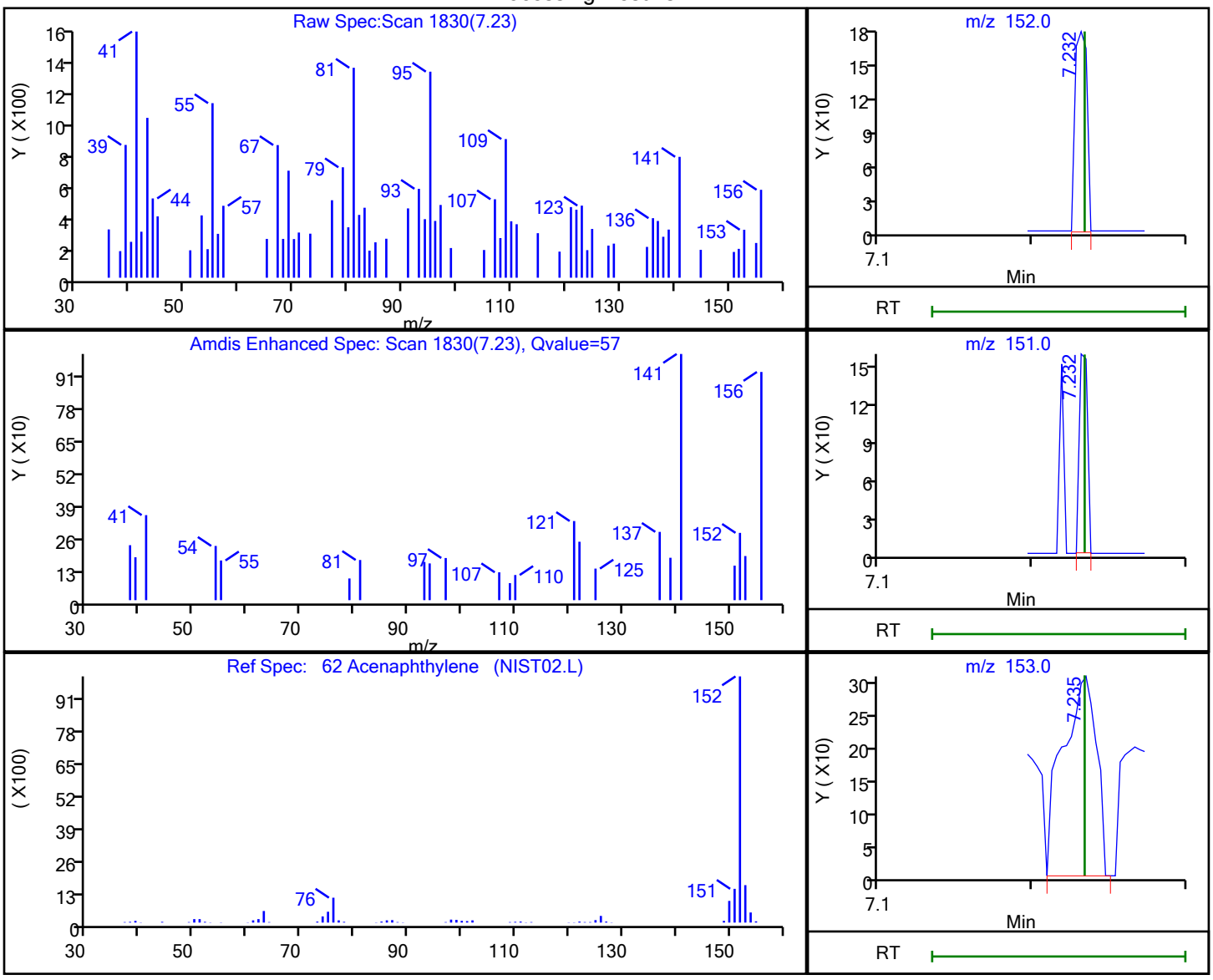
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
7.23	152.00	96	0.002044
7.23	151.00	60	
7.23	153.00	467	

Reviewer: G4KC, 06-Feb-2023 09:25:57

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

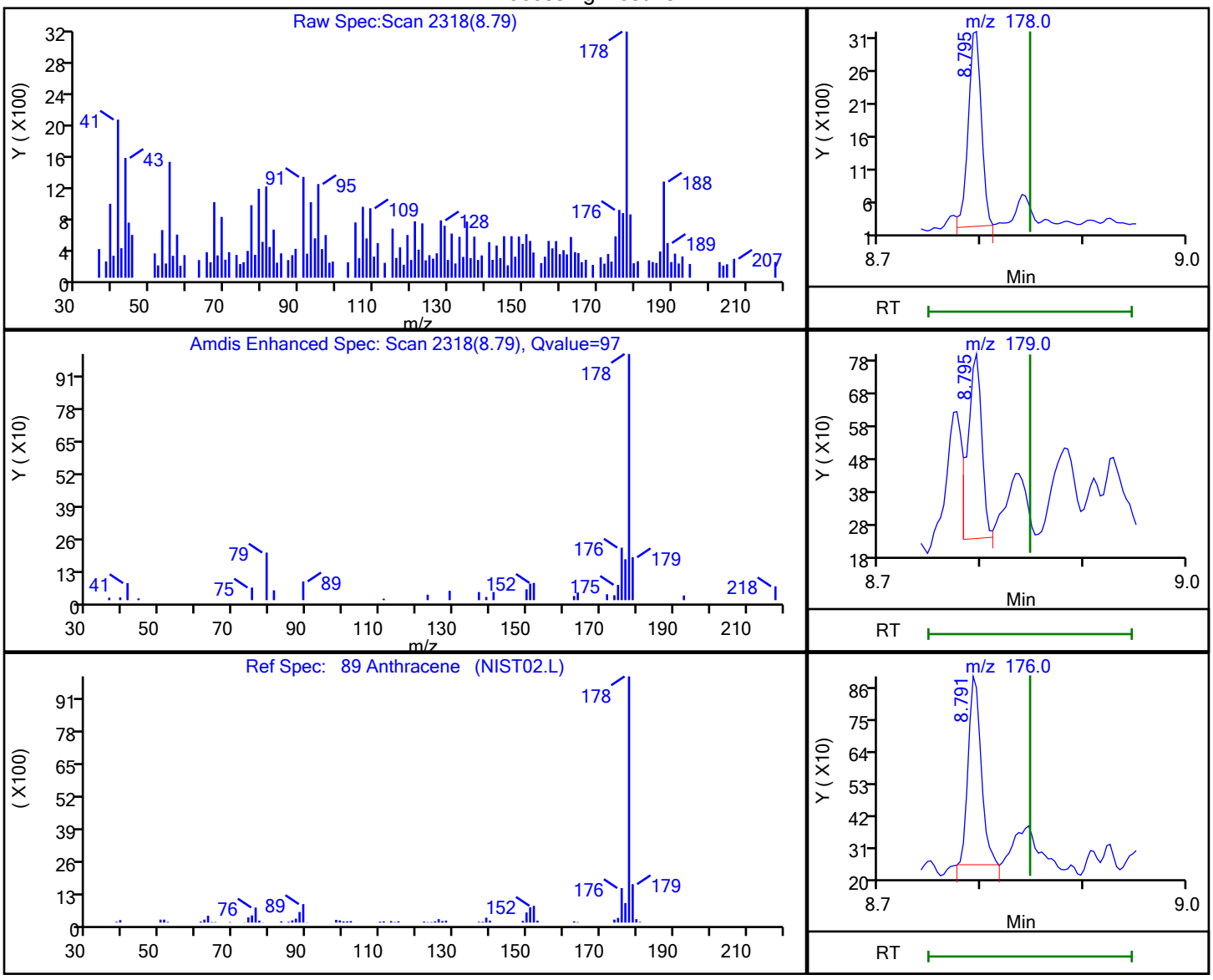
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.79	178.00	2564	0.050298
8.79	179.00	543	
8.79	176.00	585	

Reviewer: G4KC, 06-Feb-2023 09:26:10

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

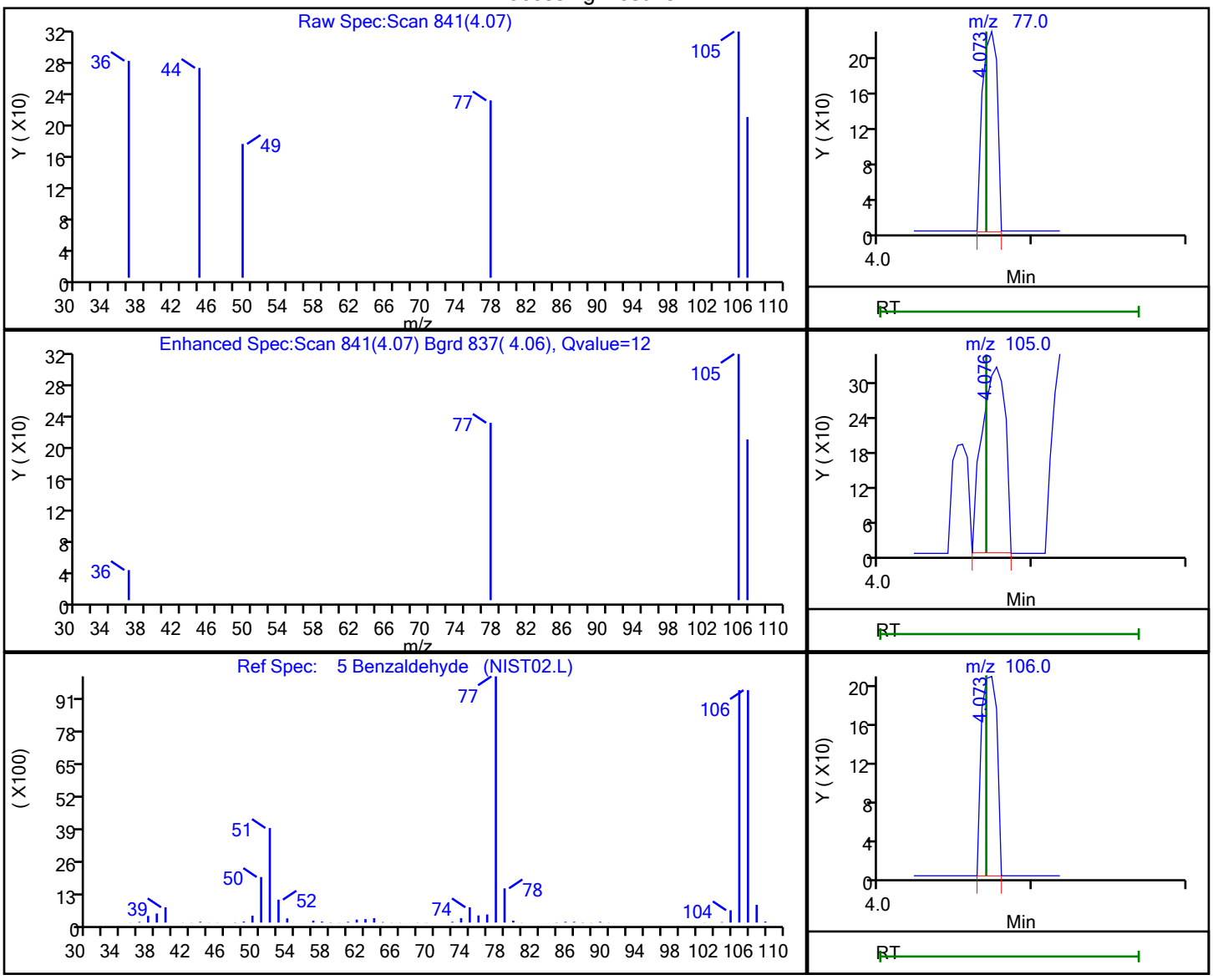
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

5 Benzaldehyde, CAS: 100-52-7

Processing Results



RT	Mass	Response	Amount
4.07	77.00	149	0.011449
4.08	105.00	346	
4.07	106.00	143	

Reviewer: khlungprakhons, 06-Feb-2023 14:45:23

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

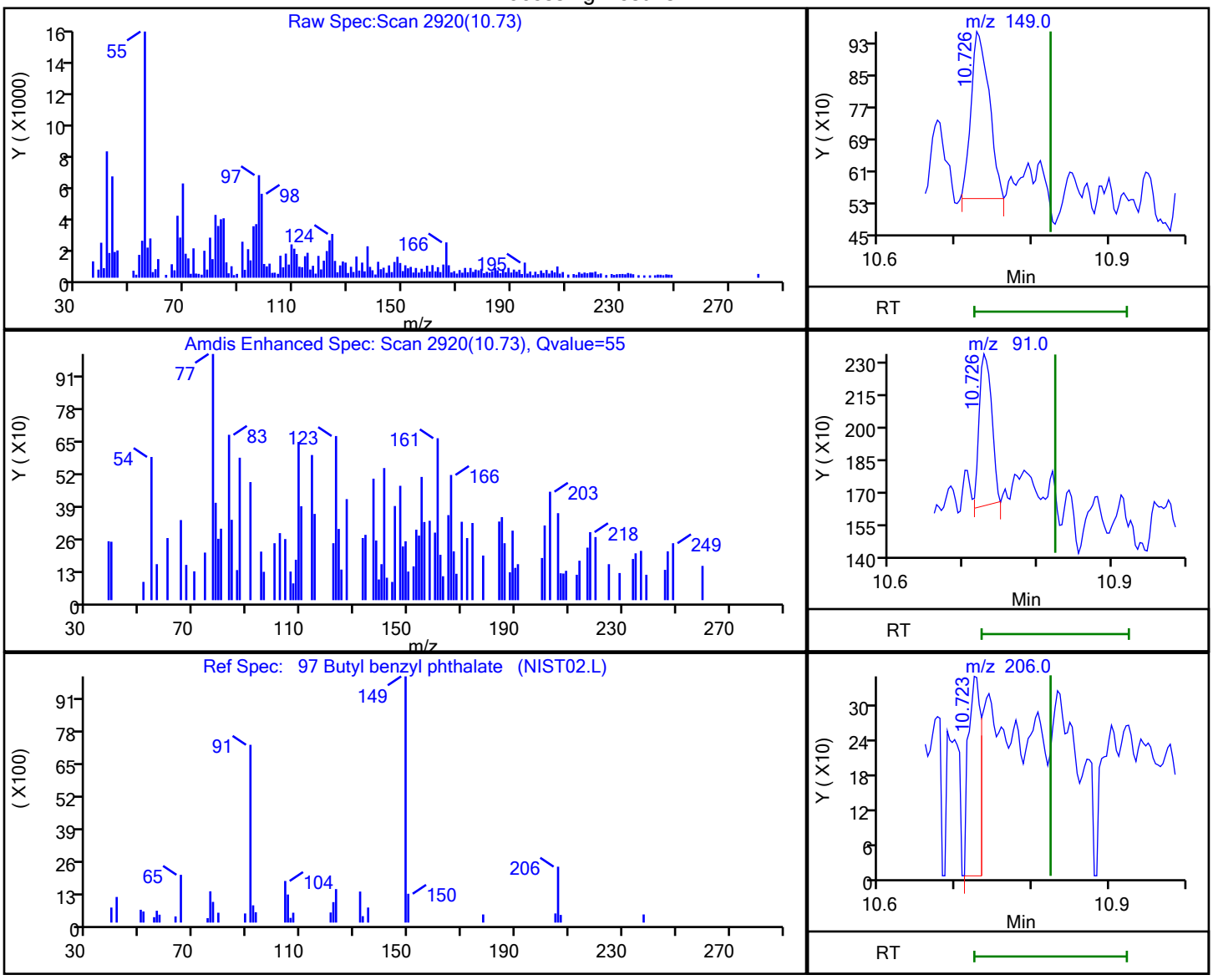
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

97 Butyl benzyl phthalate, CAS: 85-68-7

Processing Results



RT	Mass	Response	Amount
10.73	149.00	690	0.046459
10.73	91.00	833	
10.72	206.00	395	

Reviewer: G4KC, 06-Feb-2023 09:26:13

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

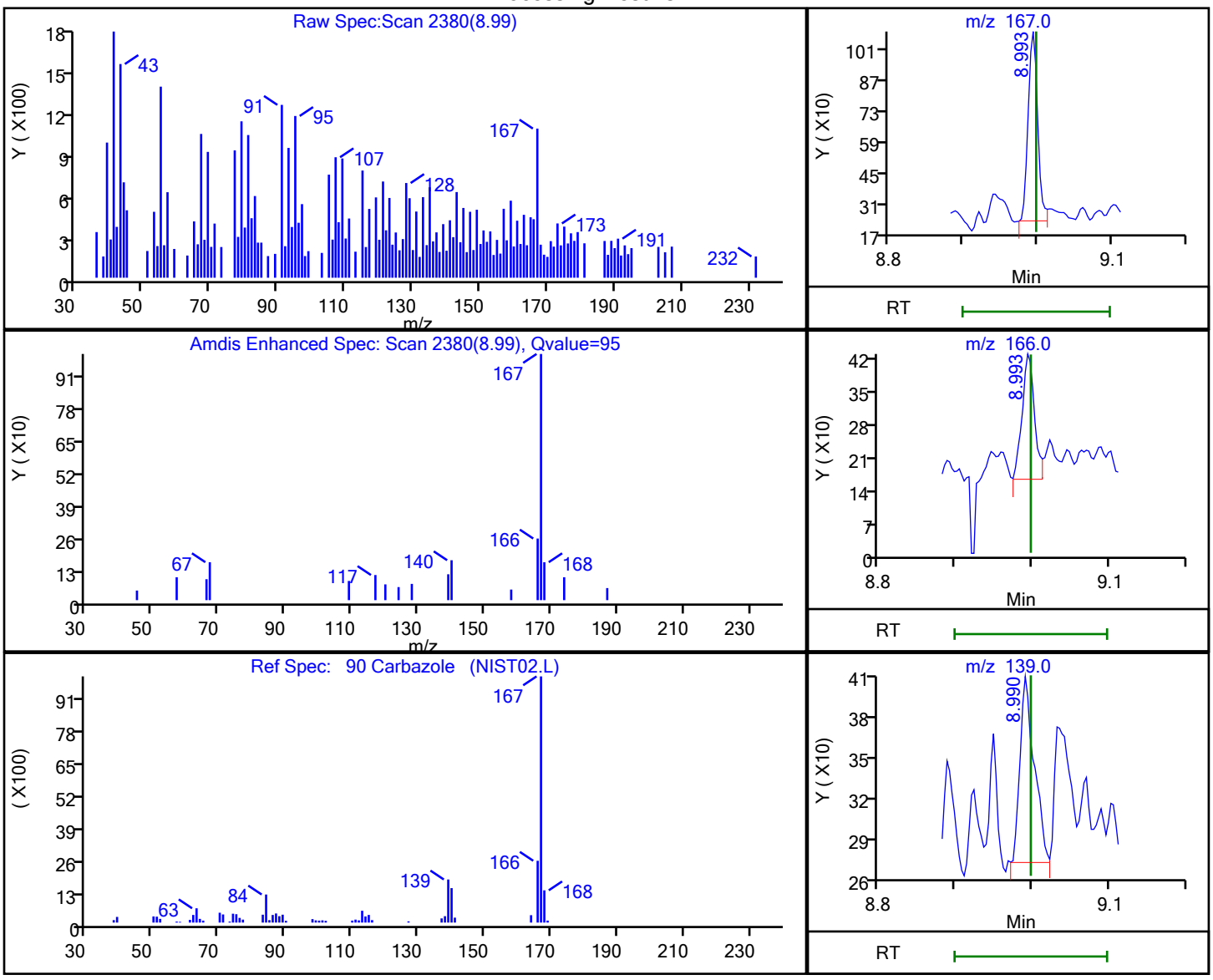
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.99	167.00	785	0.018148
8.99	166.00	299	
8.99	139.00	175	

Reviewer: G4KC, 06-Feb-2023 09:26:11

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

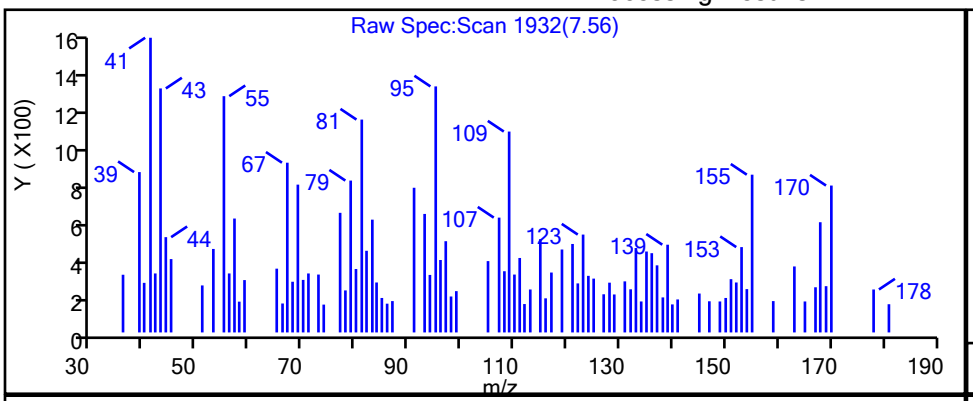
User Disabled Compound Report

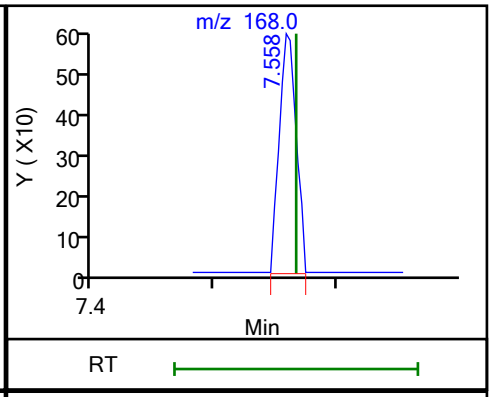
Eurofins Edison

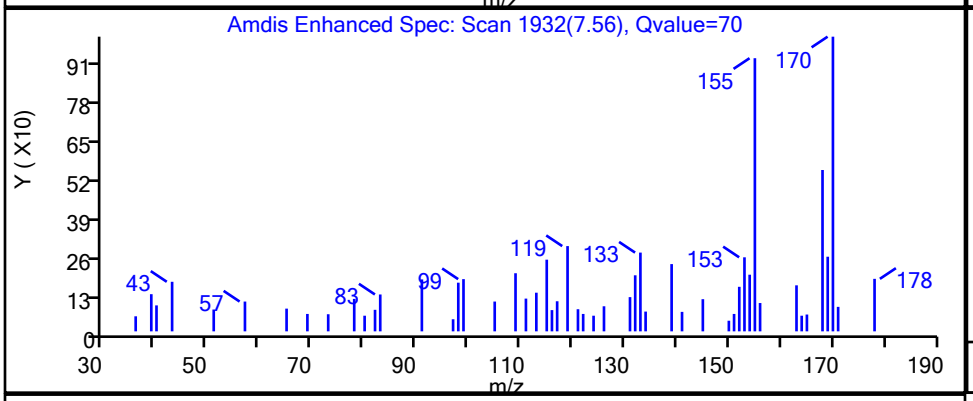
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

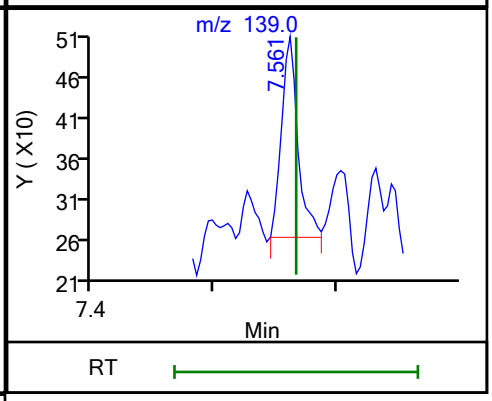
70 Dibenzofuran, CAS: 132-64-9

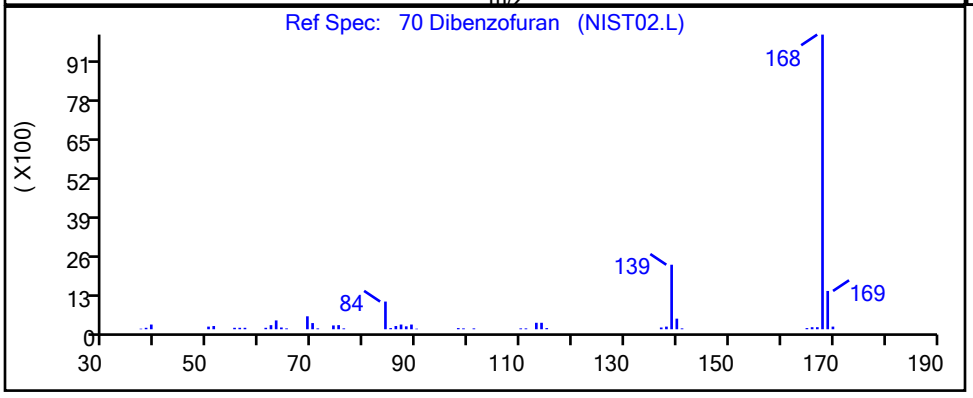
Processing Results











RT	Mass	Response	Amount
7.56	168.00	576	0.013267
7.56	139.00	222	

Reviewer: G4KC, 06-Feb-2023 09:26:03

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

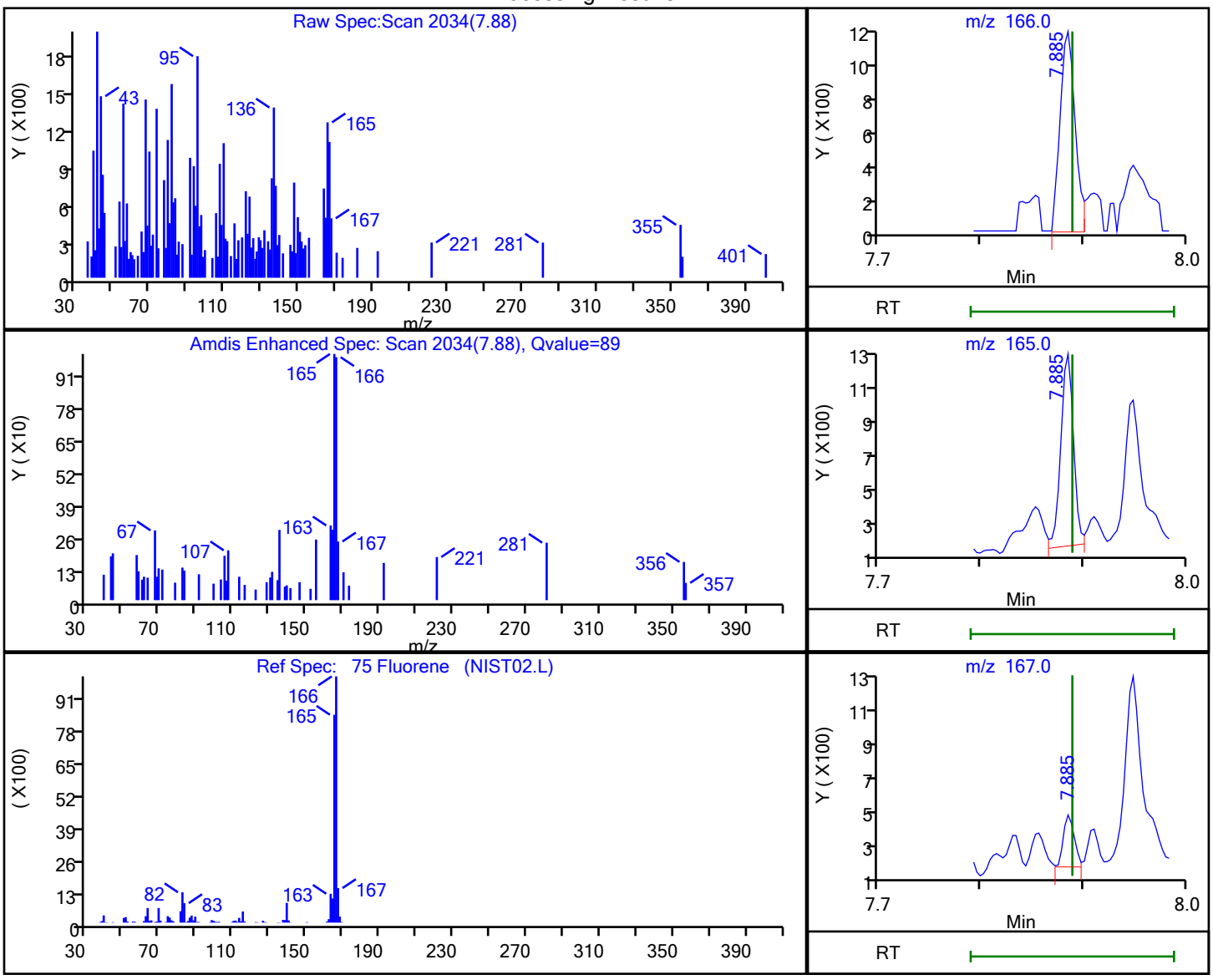
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.88	166.00	1136	0.033384
7.88	165.00	908	
7.88	167.00	196	

Reviewer: G4KC, 06-Feb-2023 09:26:04

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

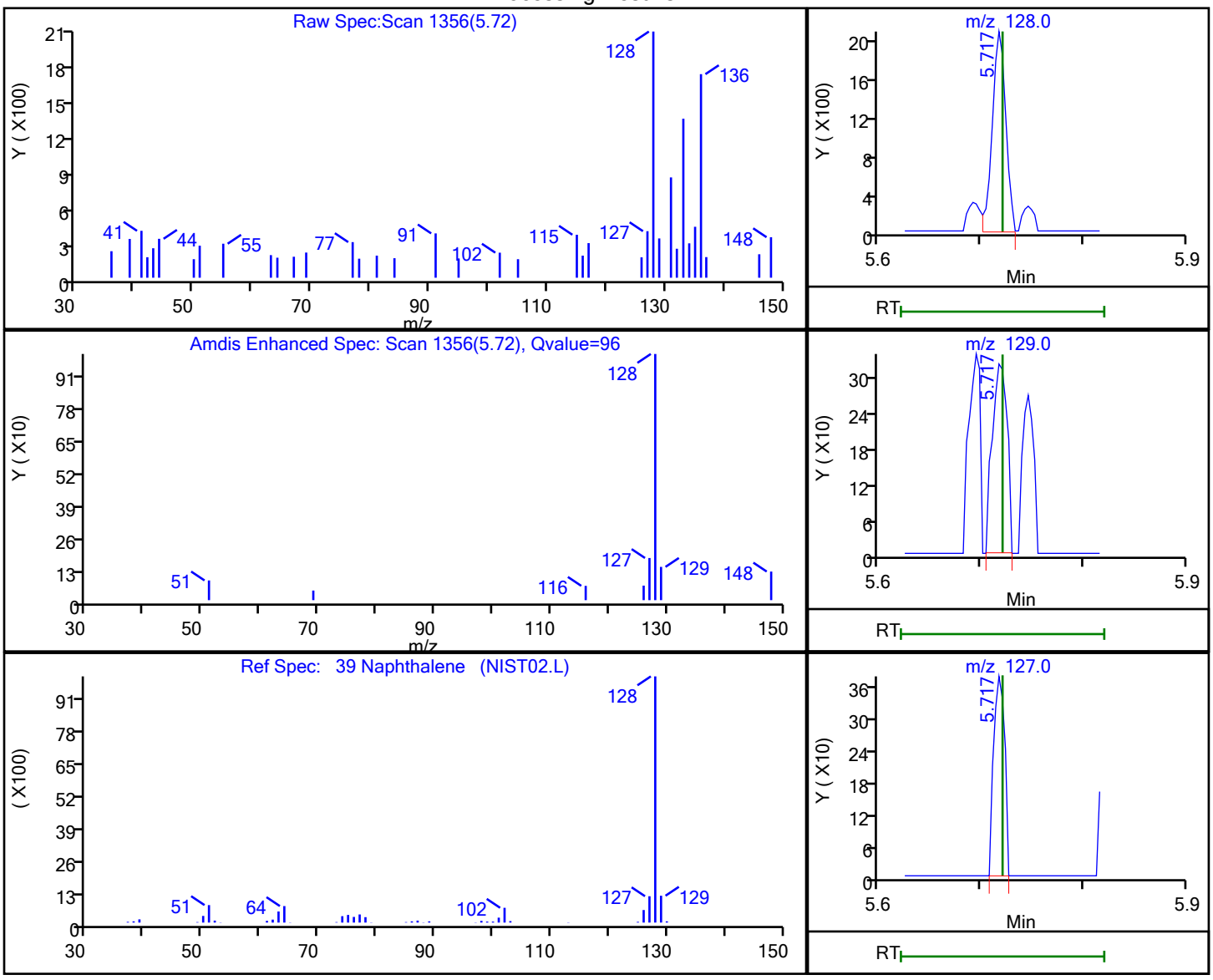
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.72	128.00	1835	0.038634
5.72	129.00	326	
5.72	127.00	286	

Reviewer: G4KC, 06-Feb-2023 09:25:52

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

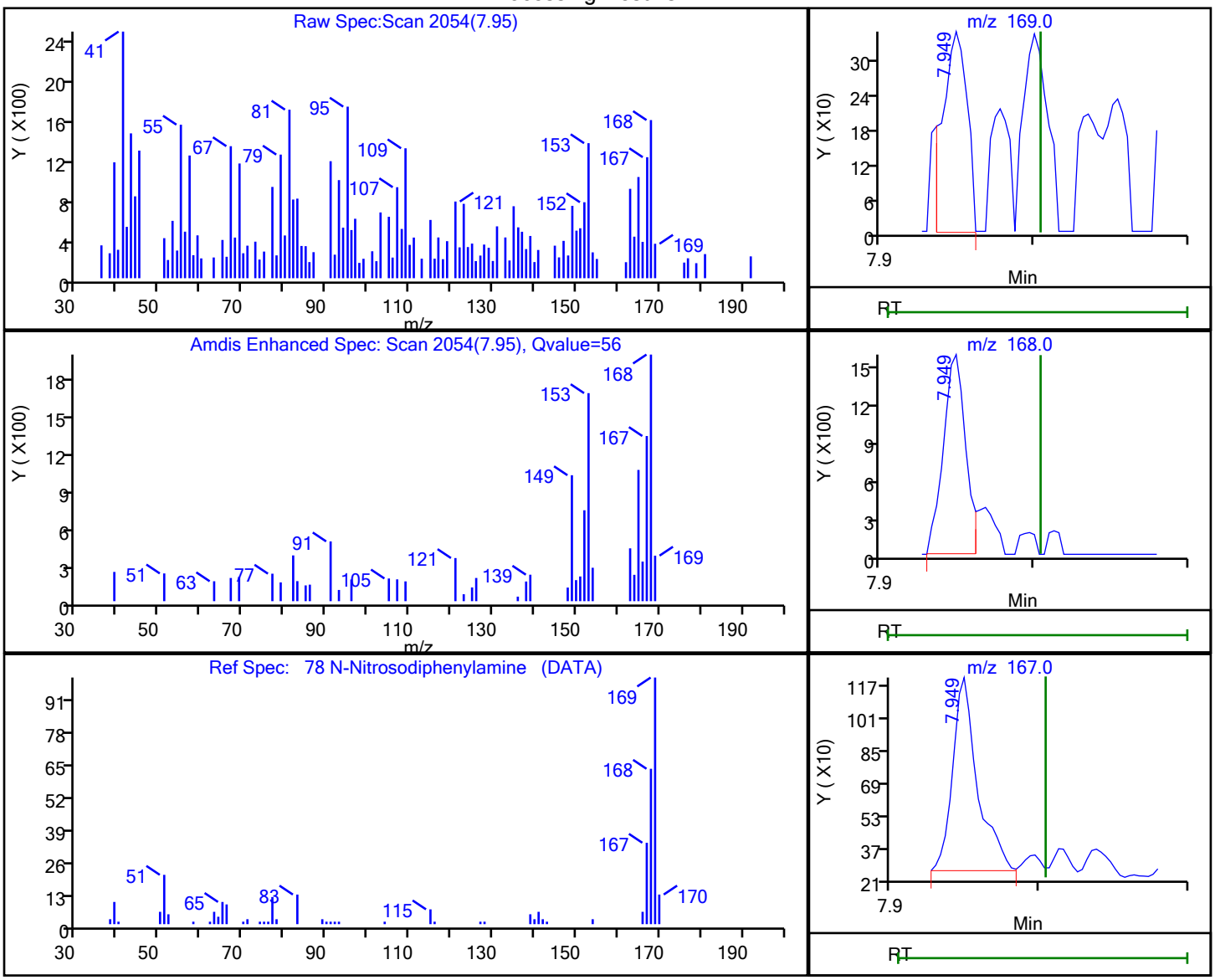
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.95	169.00	380	0.015173
7.95	168.00	1617	
7.95	167.00	1124	

Reviewer: G4KC, 06-Feb-2023 09:26:05

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

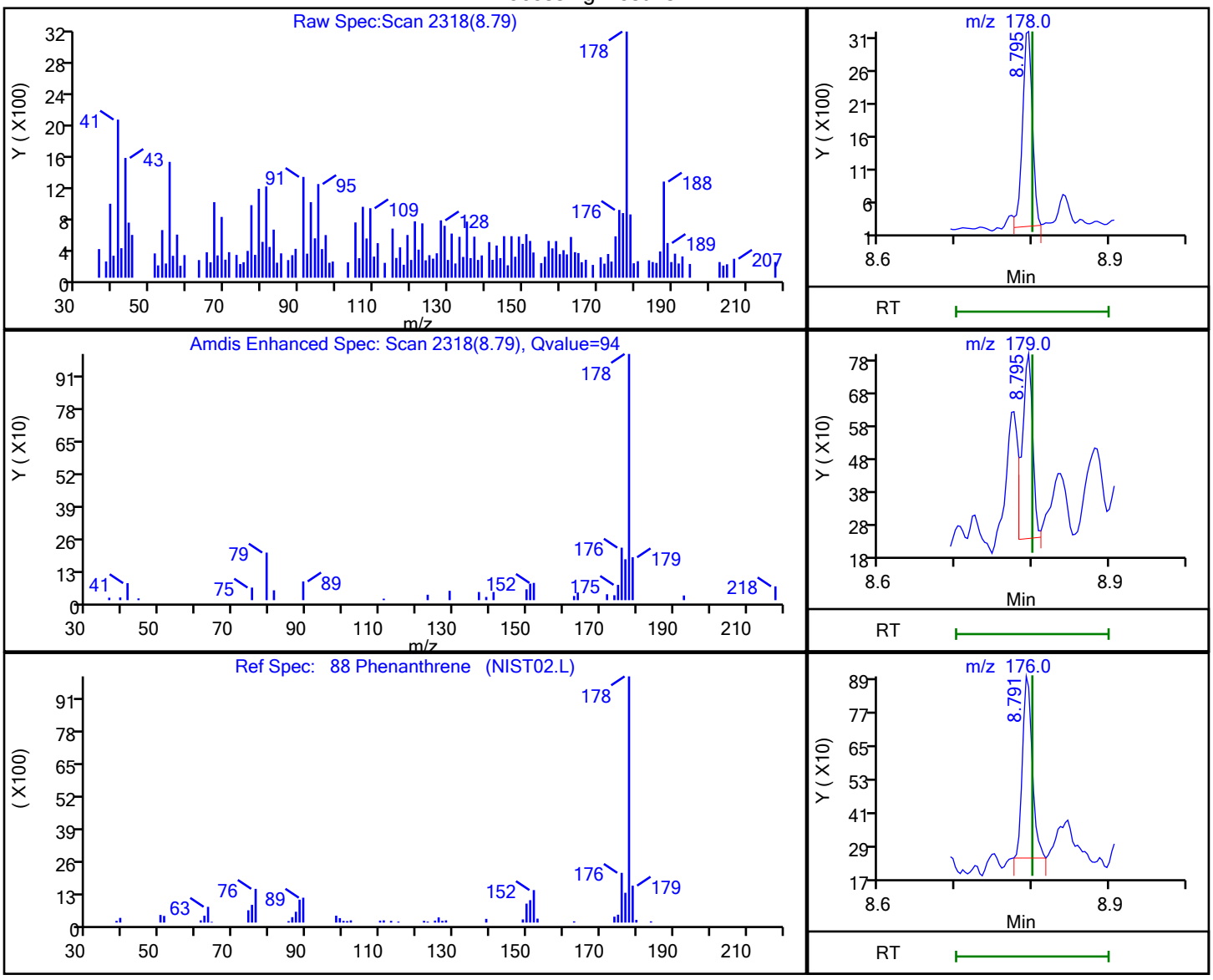
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.79	178.00	2564	0.050856
8.79	179.00	543	
8.79	176.00	585	

Reviewer: G4KC, 06-Feb-2023 09:26:09

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

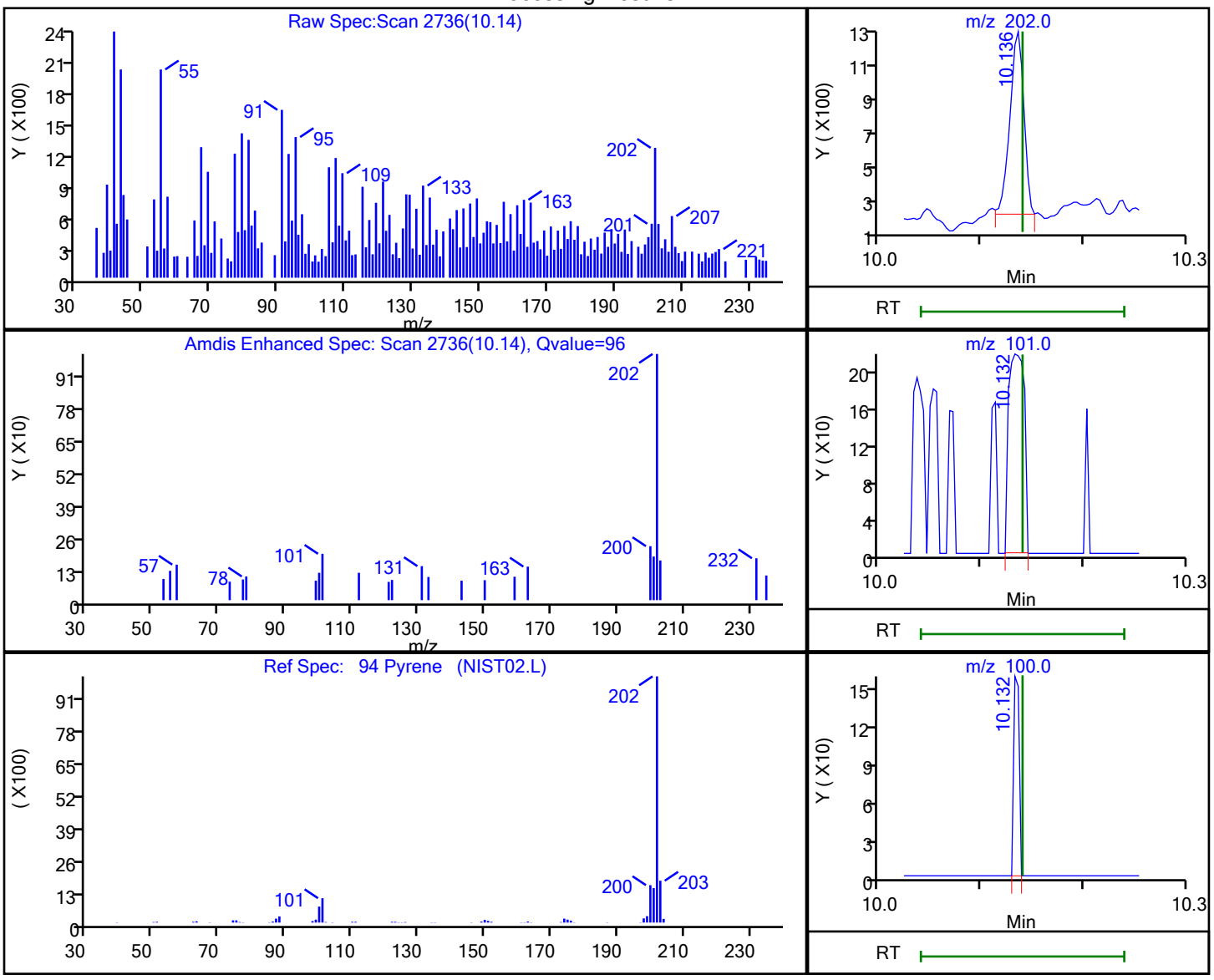
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41512.d				
Injection Date:	05-Feb-2023 20:38:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-D-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.14	202.00	918	0.019771
10.13	101.00	226	
10.13	100.00	60	

Reviewer: G4KC, 06-Feb-2023 09:26:12

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: N41516.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:30

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 22:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
15831-10-4	3 & 4 Methylphenol	0.92	J	10	0.64
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	0.92	J	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: N41516.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:30

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 22:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	2.0	U	2.0	1.3
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	0.65	J	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: N41516.d

Analysis Method: 8270E | Date Collected: 02/02/2023 14:30

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 22:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891527 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	20	U	20	1.4
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	0.55	J	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		37-150
321-60-8	2-Fluorobiphenyl	74		46-139
367-12-4	2-Fluorophenol (Surr)	46		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	84		52-137
4165-62-2	Phenol-d5 (Surr)	30		10-56
1718-51-0	Terphenyl-d14 (Surr)	44		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d
Lims ID: 460-273970-F-4-A
Client ID: MW-08_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 22:05:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-022
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:27:44 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:51:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.244	3.234	0.010	96	86112	4.58	
$ 6 Phenol-d5	99	4.106	4.108	-0.002	97	65891	3.04	
7 Phenol	94	4.119	4.121	-0.002	57	1442	0.0684	
* 14 1,4-Dichlorobenzene-d4	152	4.486	4.485	0.002	95	127265	8.00	
23 3 & 4 Methylphenol	108	4.851	4.855	-0.004	75	2016	0.1148	
24 4-Methylphenol	108	4.851	4.855	-0.004	97	2016	0.1148	
$ 27 Nitrobenzene-d5	82	5.007	5.011	-0.004	94	163428	8.37	
* 38 Naphthalene-d8	136	5.698	5.701	-0.003	99	441943	8.00	
39 Naphthalene	128	5.717	5.720	-0.003	97	4542	0.0812	
$ 51 2-Fluorobiphenyl	172	6.728	6.733	-0.005	96	357289	7.41	
* 64 Acenaphthene-d10	164	7.369	7.368	0.001	96	251929	8.00	
$ 80 2,4,6-Tribromophenol	330	8.109	8.113	-0.004	91	80994	10.2	
* 87 Phenanthrene-d10	188	8.772	8.774	-0.002	98	473865	8.00	
$ 96 Terphenyl-d14	244	10.296	10.303	-0.007	98	210825	4.35	
* 102 Chrysene-d12	240	11.429	11.436	-0.007	99	335378	8.00	
* 109 Perylene-d12	264	13.362	13.369	-0.007	100	417472	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

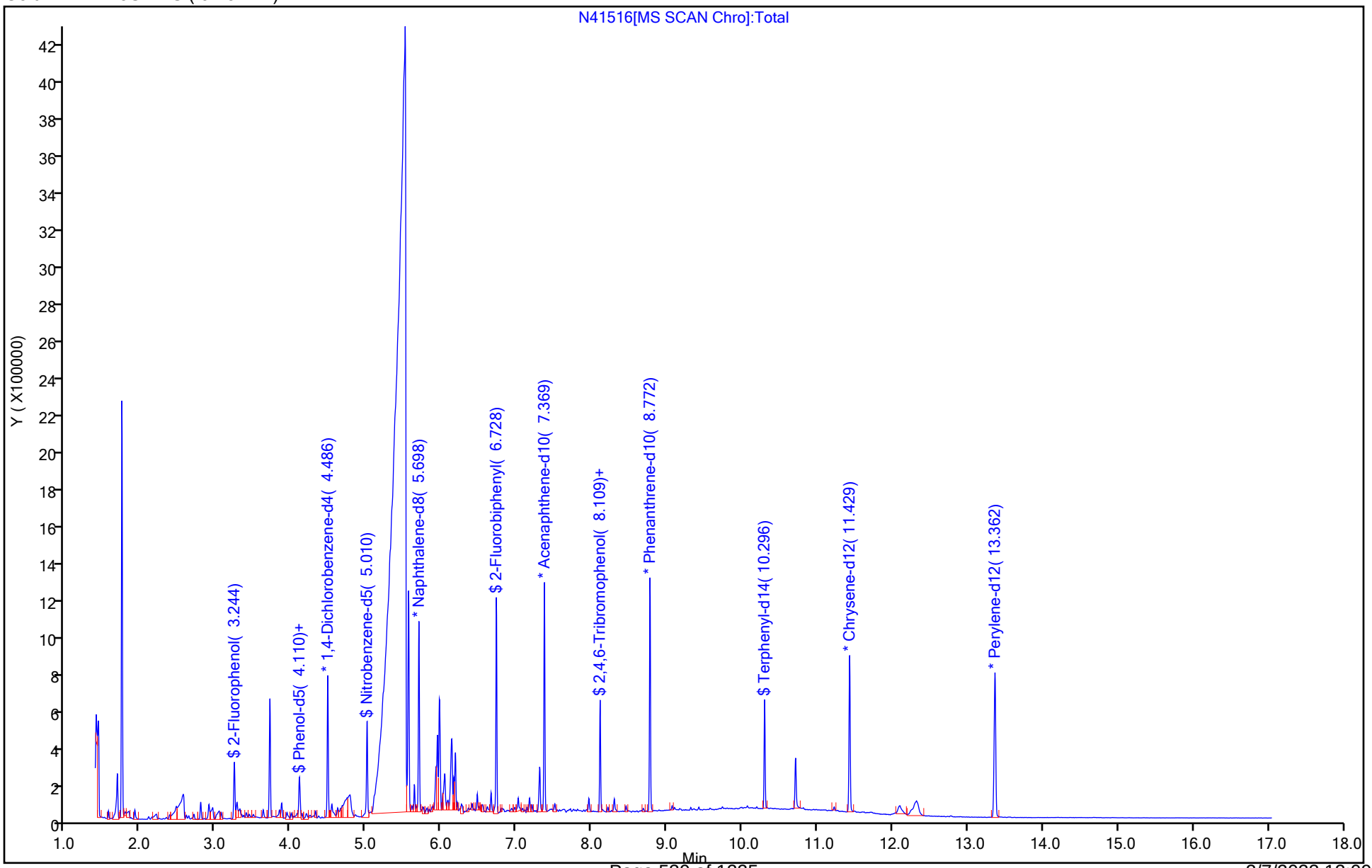
Report Date: 06-Feb-2023 09:27:44 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d

Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4	Worklist Smp#:	22
Client ID:	MW-08_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d
Lims ID: 460-273970-F-4-A
Client ID: MW-08_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 22:05:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156379-022
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:27:44 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

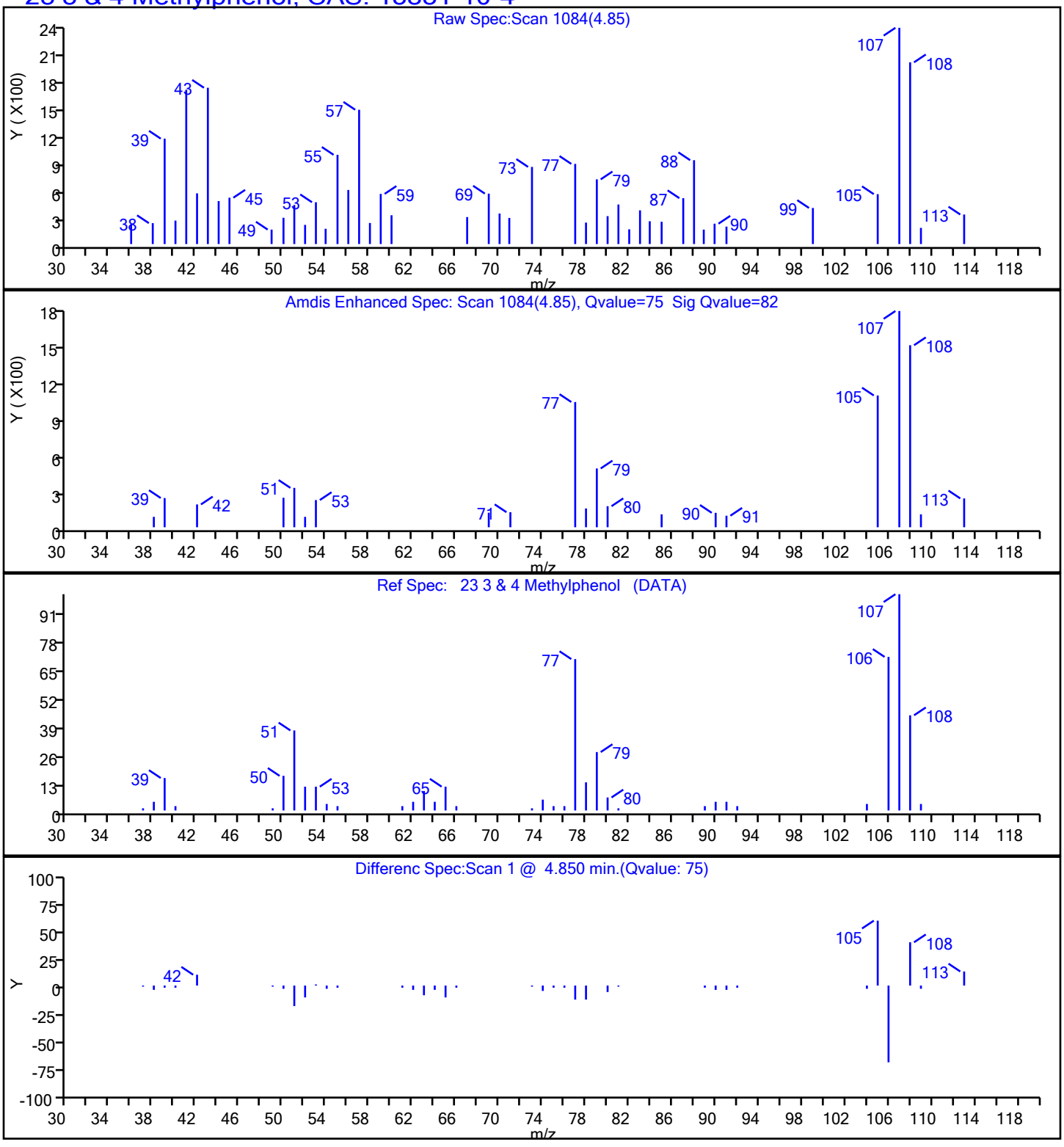
First Level Reviewer: khlungprakhons Date: 06-Feb-2023 14:51:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.58	45.83
$ 6 Phenol-d5	10.0	3.04	30.37
$ 27 Nitrobenzene-d5	10.0	8.37	83.66
$ 51 2-Fluorobiphenyl	10.0	7.41	74.09
$ 80 2,4,6-Tribromophenol	10.0	10.2	101.54
$ 96 Terphenyl-d14	10.0	4.35	43.52

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 3 & 4 Methylphenol, CAS: 15831-10-4

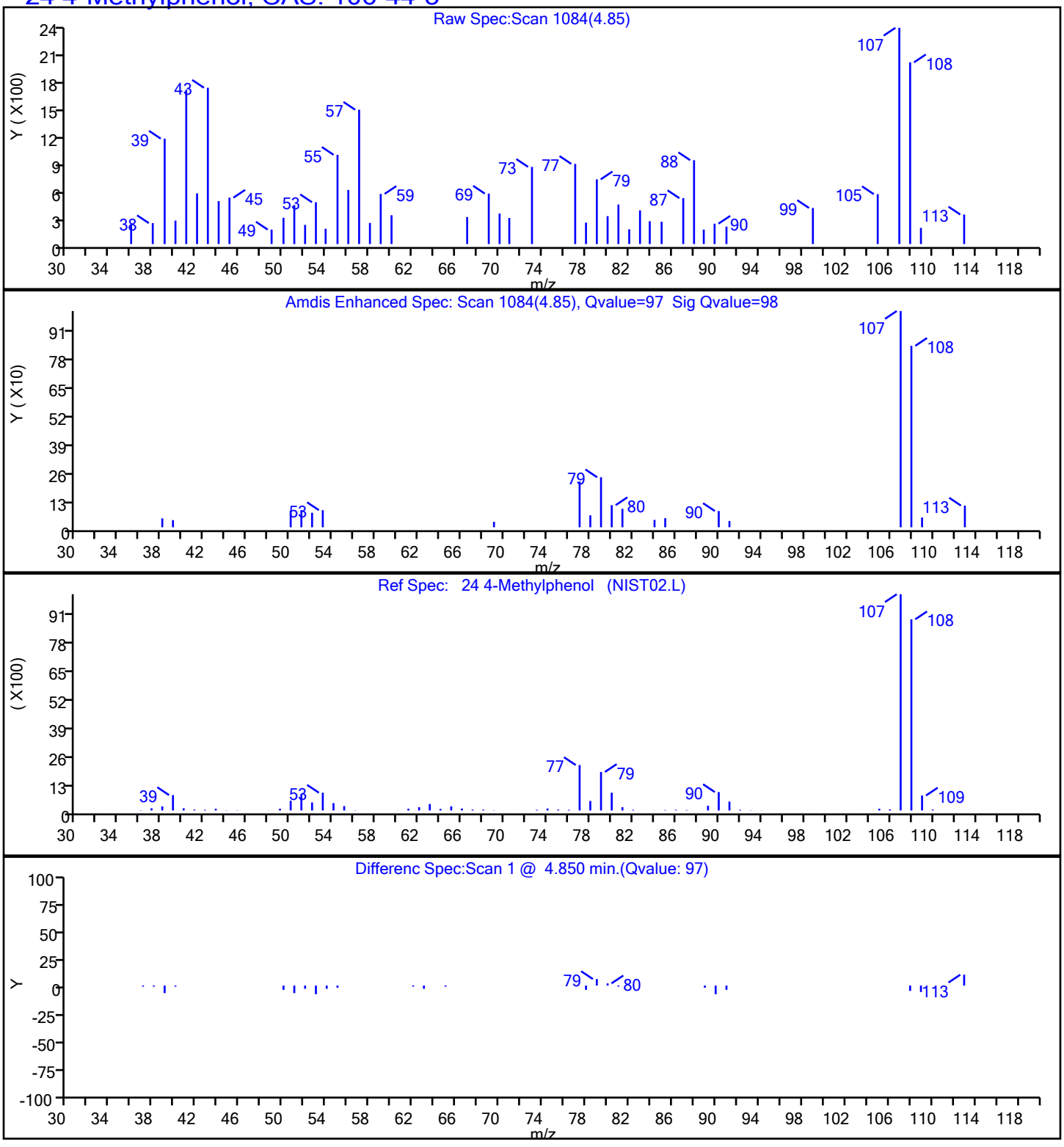


Report Date: 06-Feb-2023 09:27:45 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 4-Methylphenol, CAS: 106-44-5

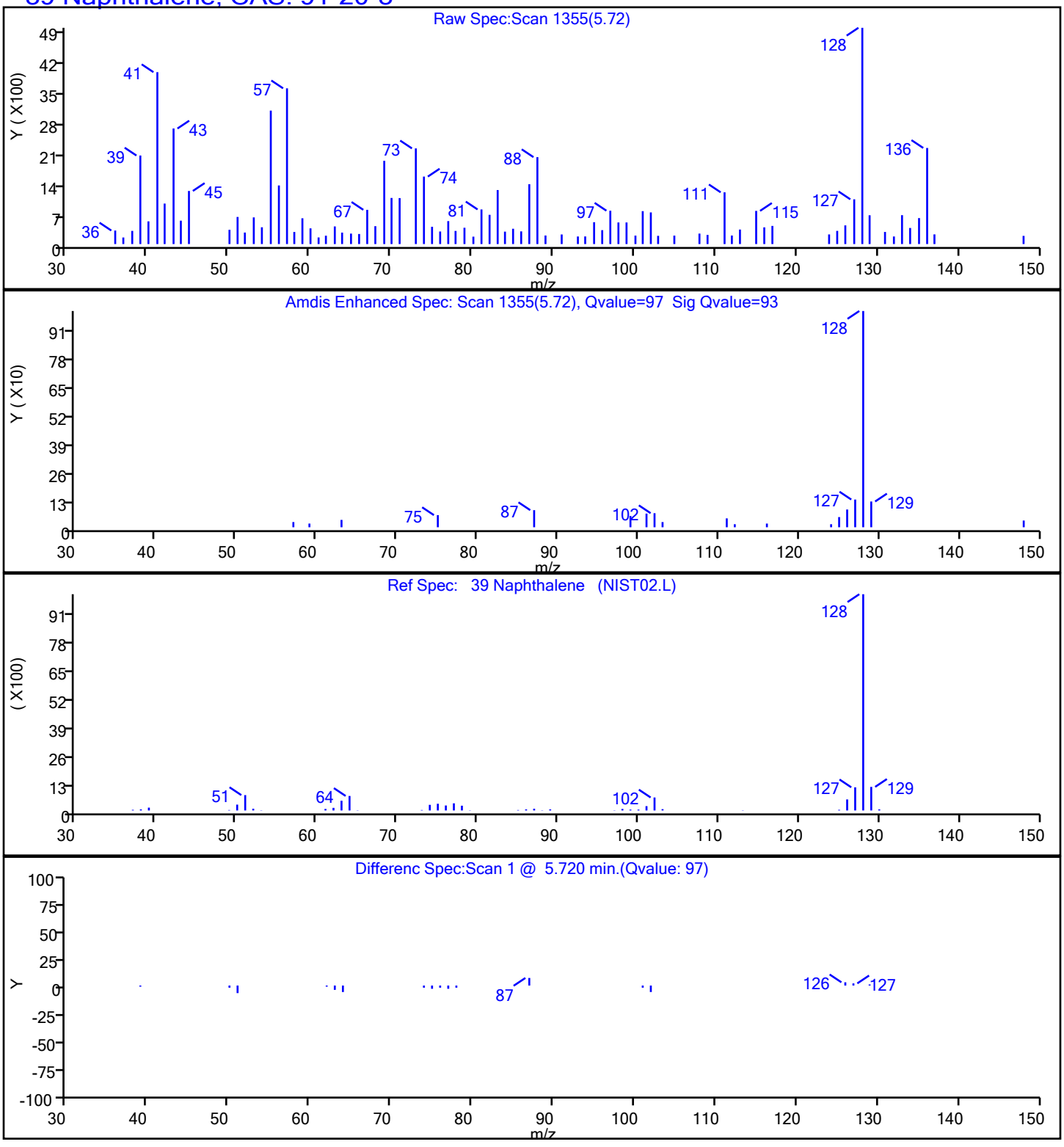


2/7/2023 12:09 PM

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

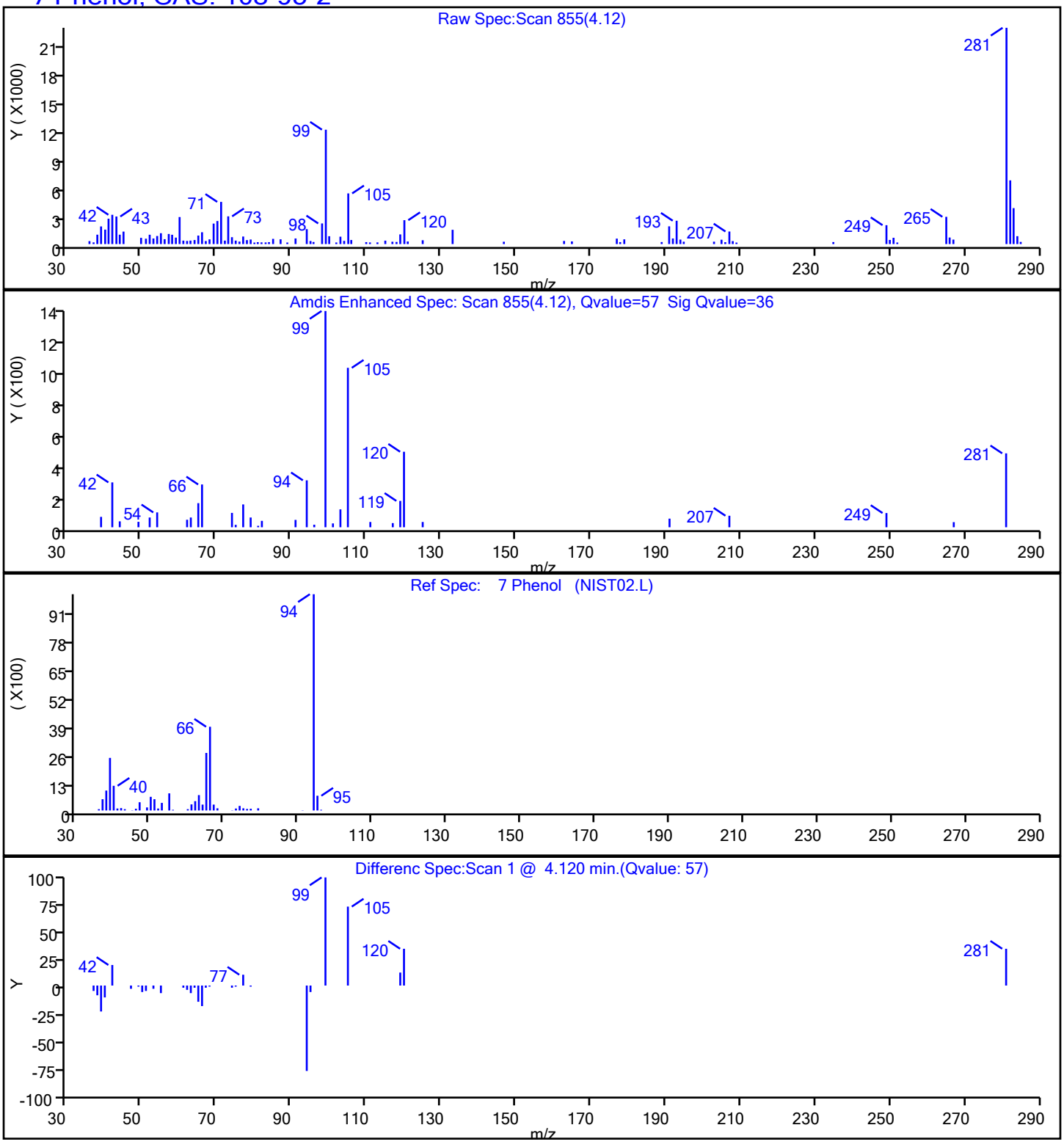
39 Naphthalene, CAS: 91-20-3



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2



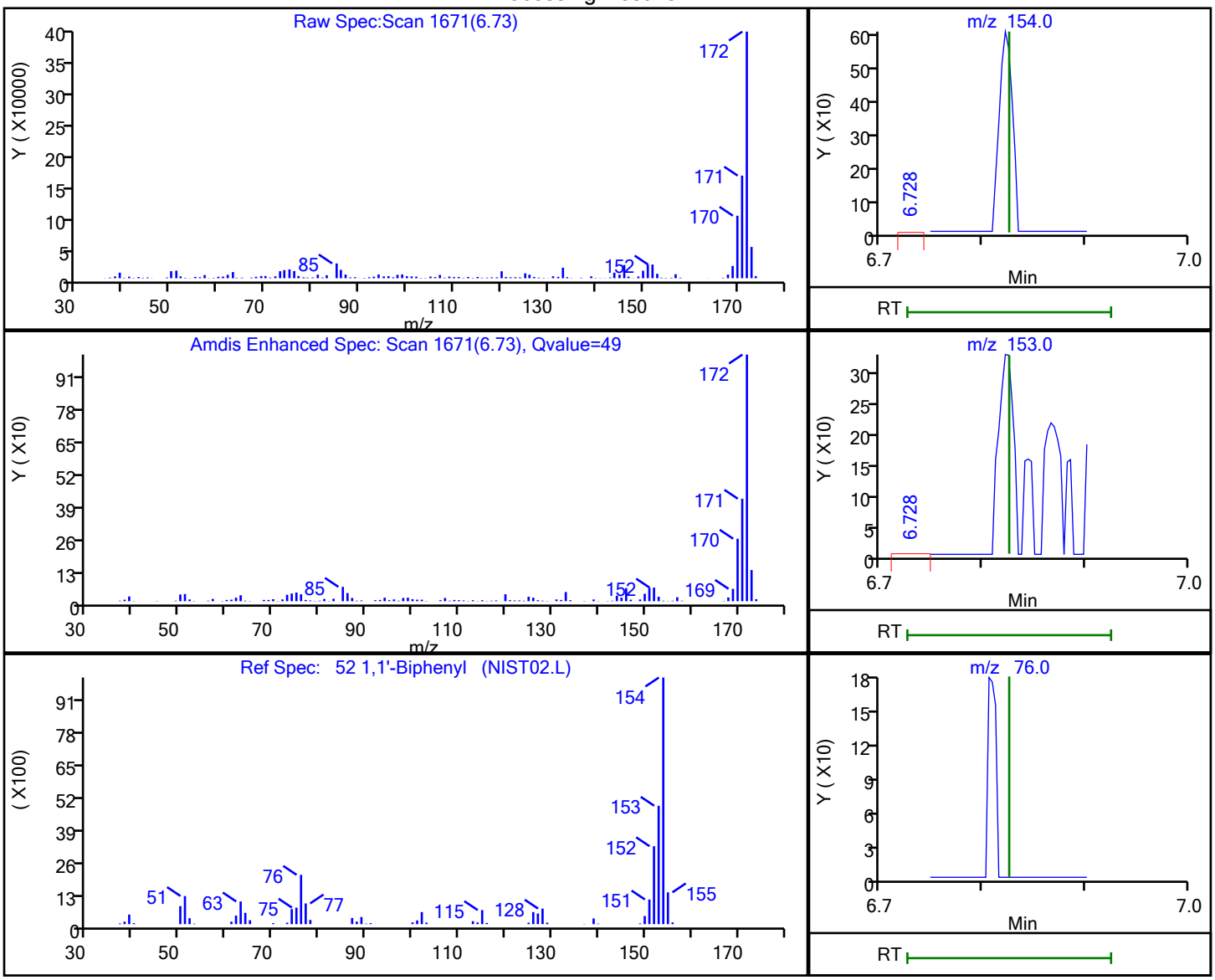
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.73	154.00	777	0.016721
6.73	153.00	6418	
6.73	76.00	11196	

Reviewer: G4KC, 06-Feb-2023 09:27:07

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

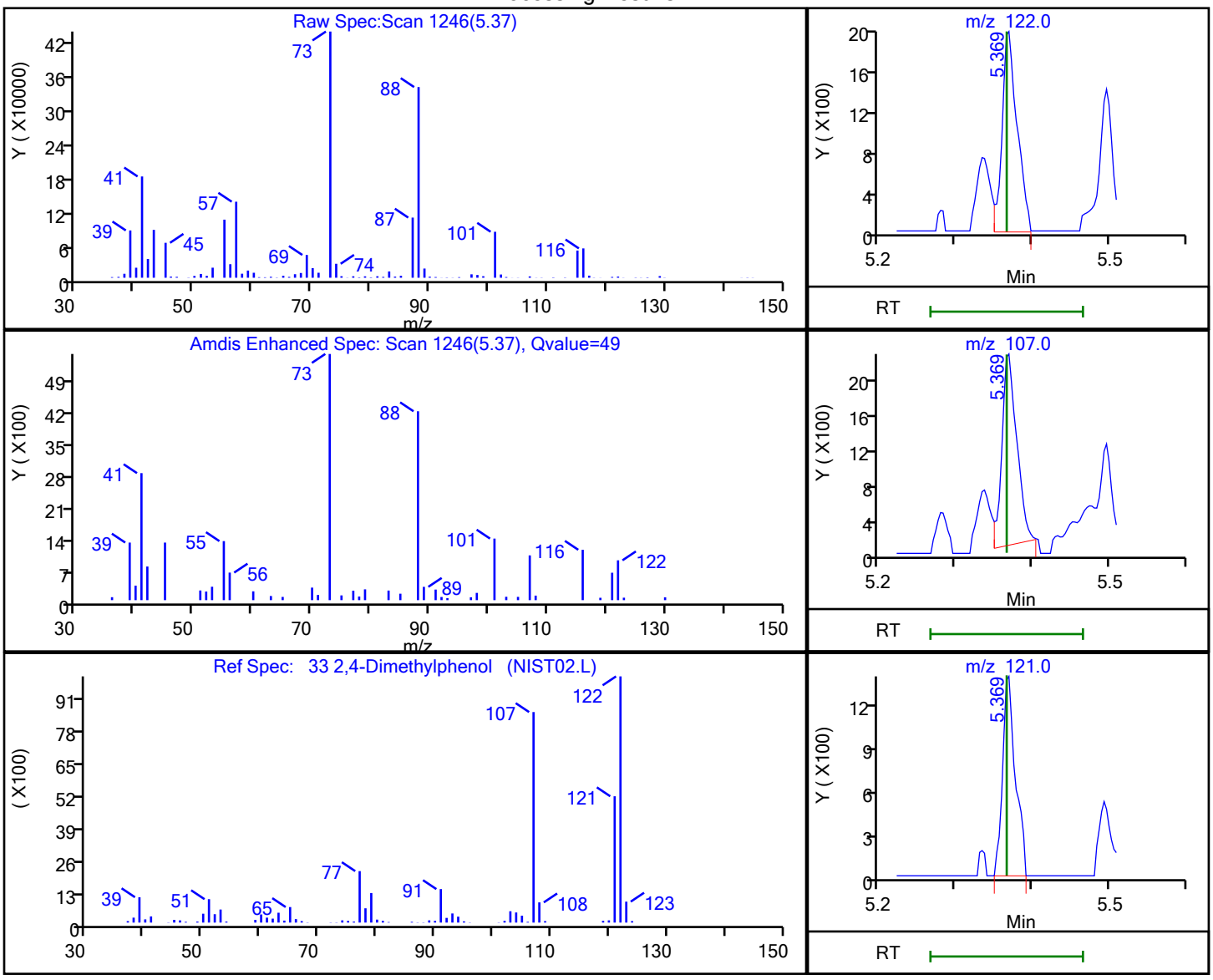
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

33 2,4-Dimethylphenol, CAS: 105-67-9

Processing Results



RT	Mass	Response	Amount
5.37	122.00	2705	0.166774
5.37	107.00	2959	
5.37	121.00	1604	

Reviewer: G4KC, 06-Feb-2023 09:27:41

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

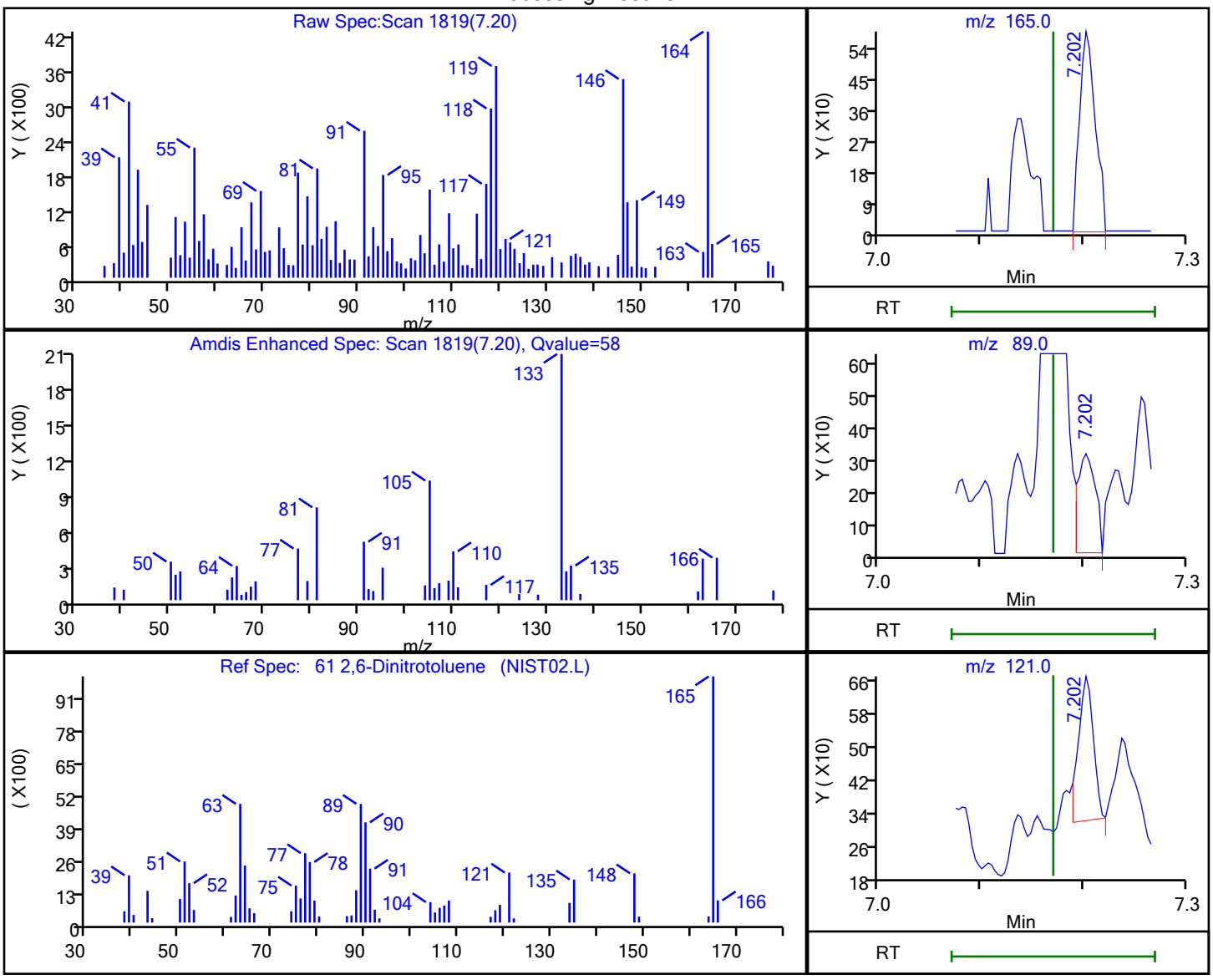
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
7.20	165.00	620	0.078041
7.20	89.00	376	
7.20	121.00	352	

Reviewer: G4KC, 06-Feb-2023 09:27:08

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

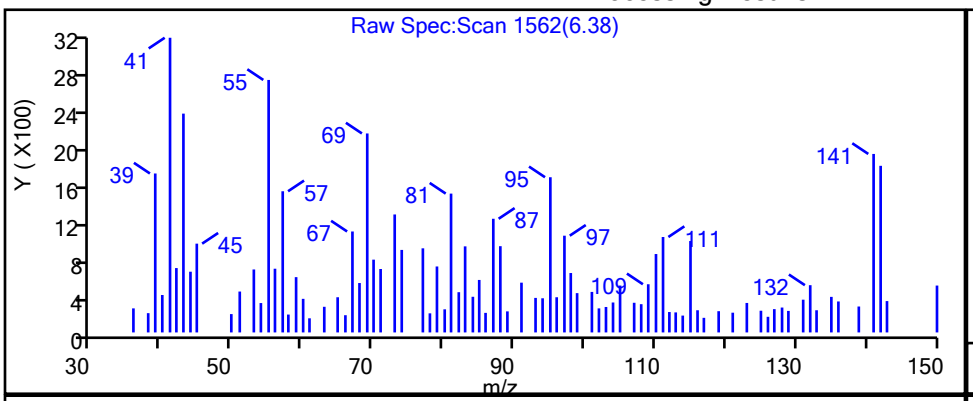
User Disabled Compound Report

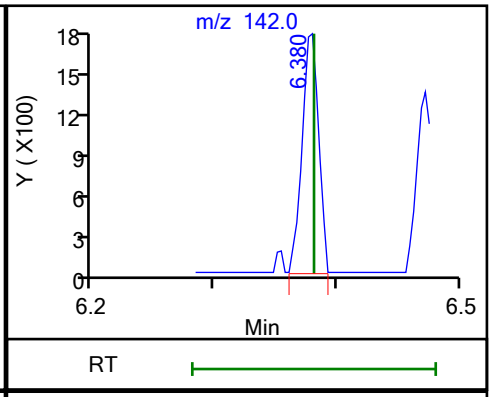
Eurofins Edison

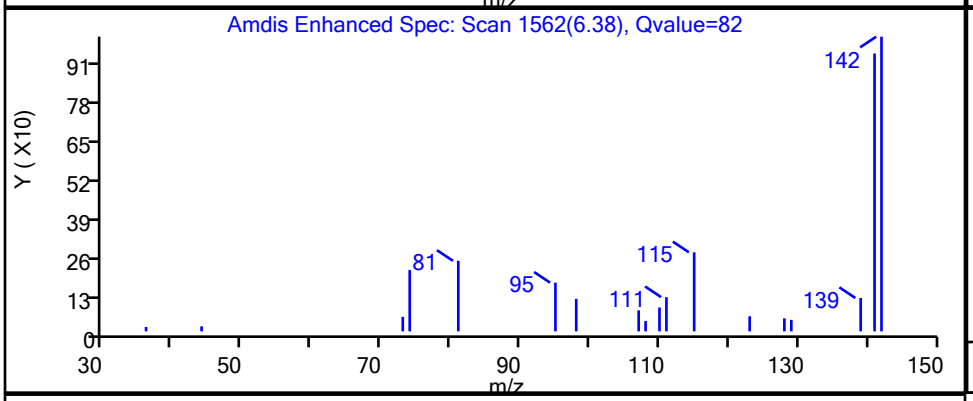
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

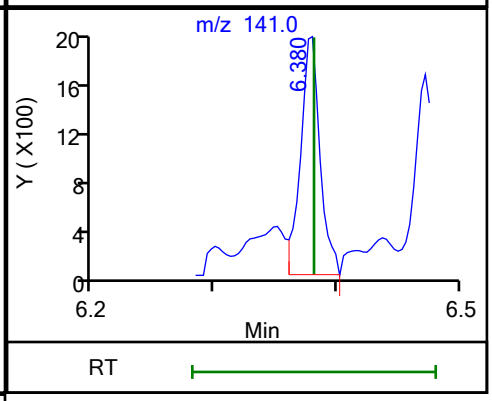
44 2-Methylnaphthalene, CAS: 91-57-6

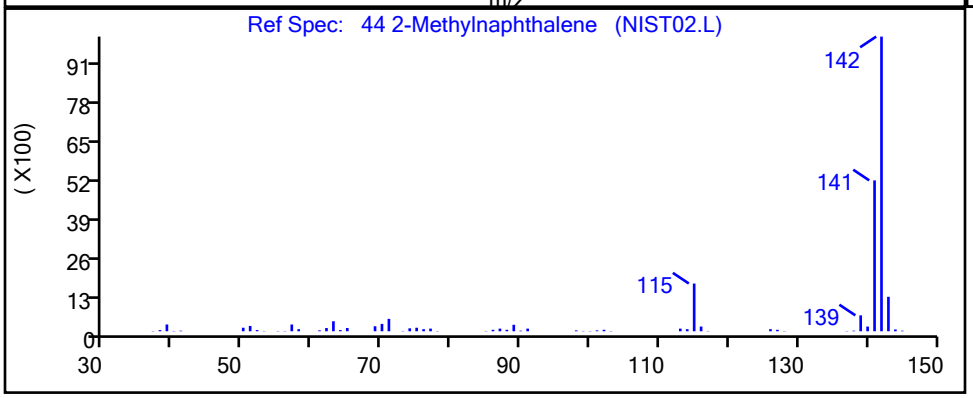
Processing Results











RT	Mass	Response	Amount
6.38	142.00	1677	0.044700
6.38	141.00	2128	

Reviewer: G4KC, 06-Feb-2023 09:27:05

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

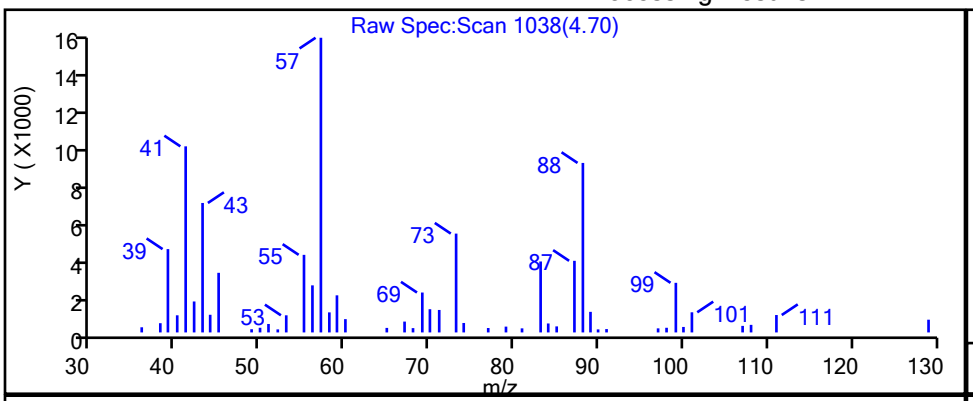
User Disabled Compound Report

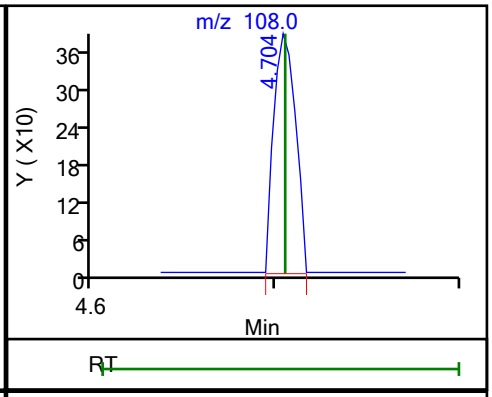
Eurofins Edison

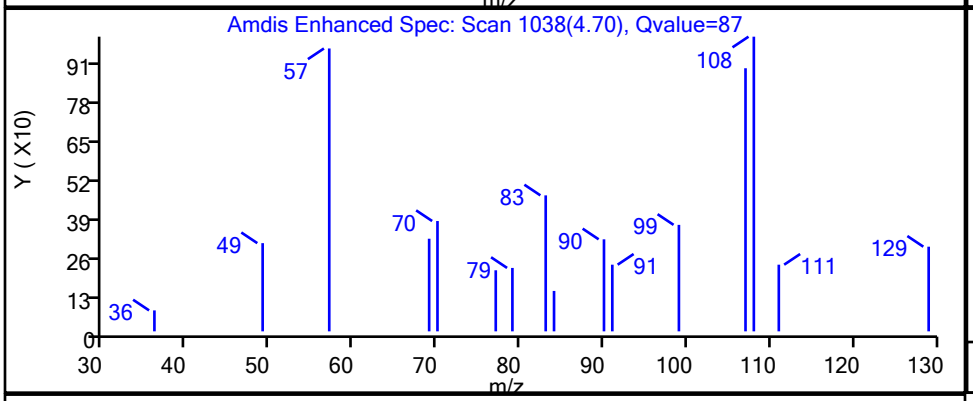
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

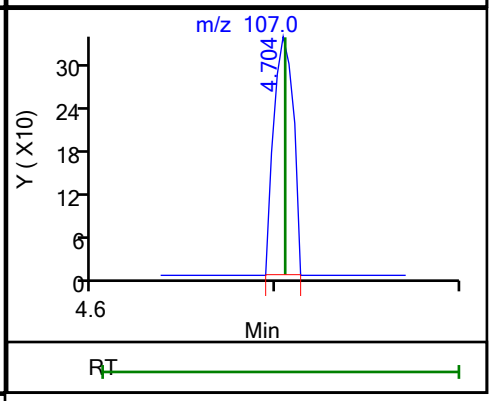
18 2-Methylphenol, CAS: 95-48-7

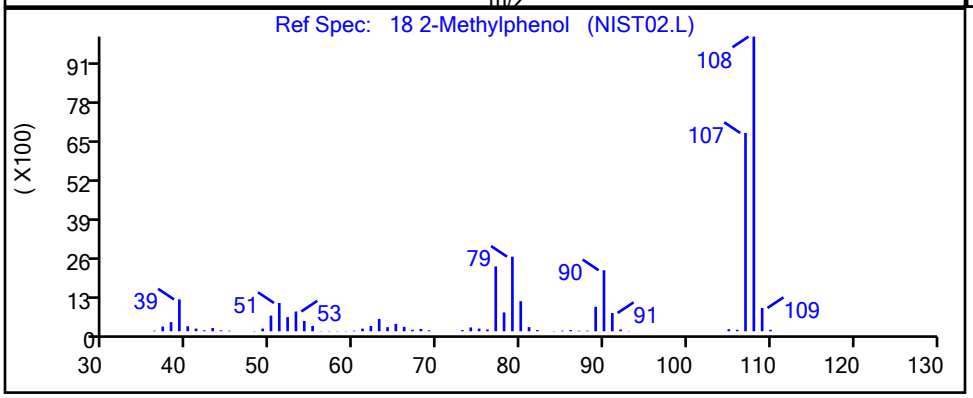
Processing Results











RT	Mass	Response	Amount
4.70	108.00	321	0.020219
4.70	107.00	247	

Reviewer: G4KC, 06-Feb-2023 09:27:33

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

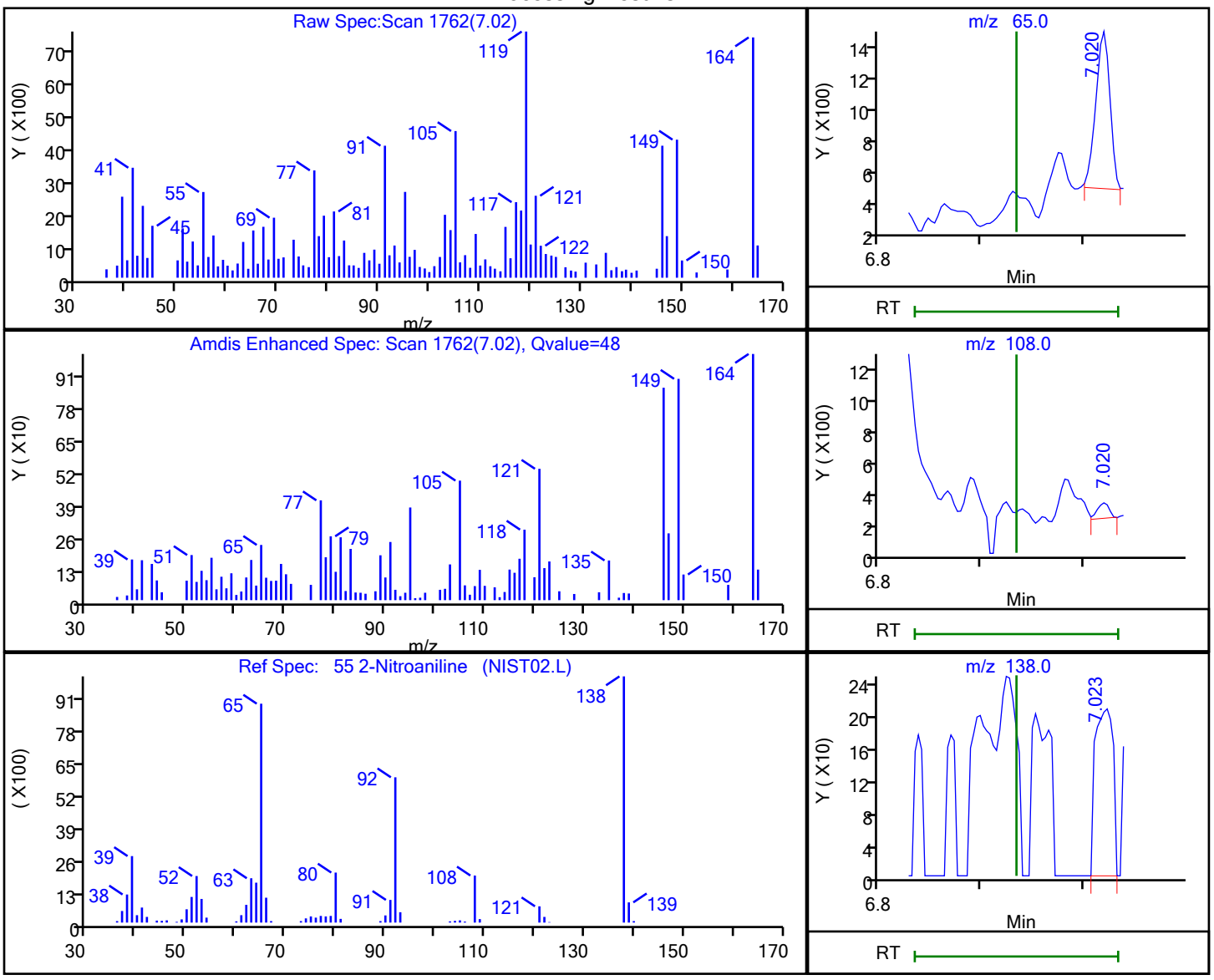
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

55 2-Nitroaniline, CAS: 88-74-4

Processing Results



RT	Mass	Response	Amount
7.02	65.00	885	0.088771
7.02	108.00	79	
7.02	138.00	249	

Reviewer: khlungprakhons, 06-Feb-2023 14:51:10

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

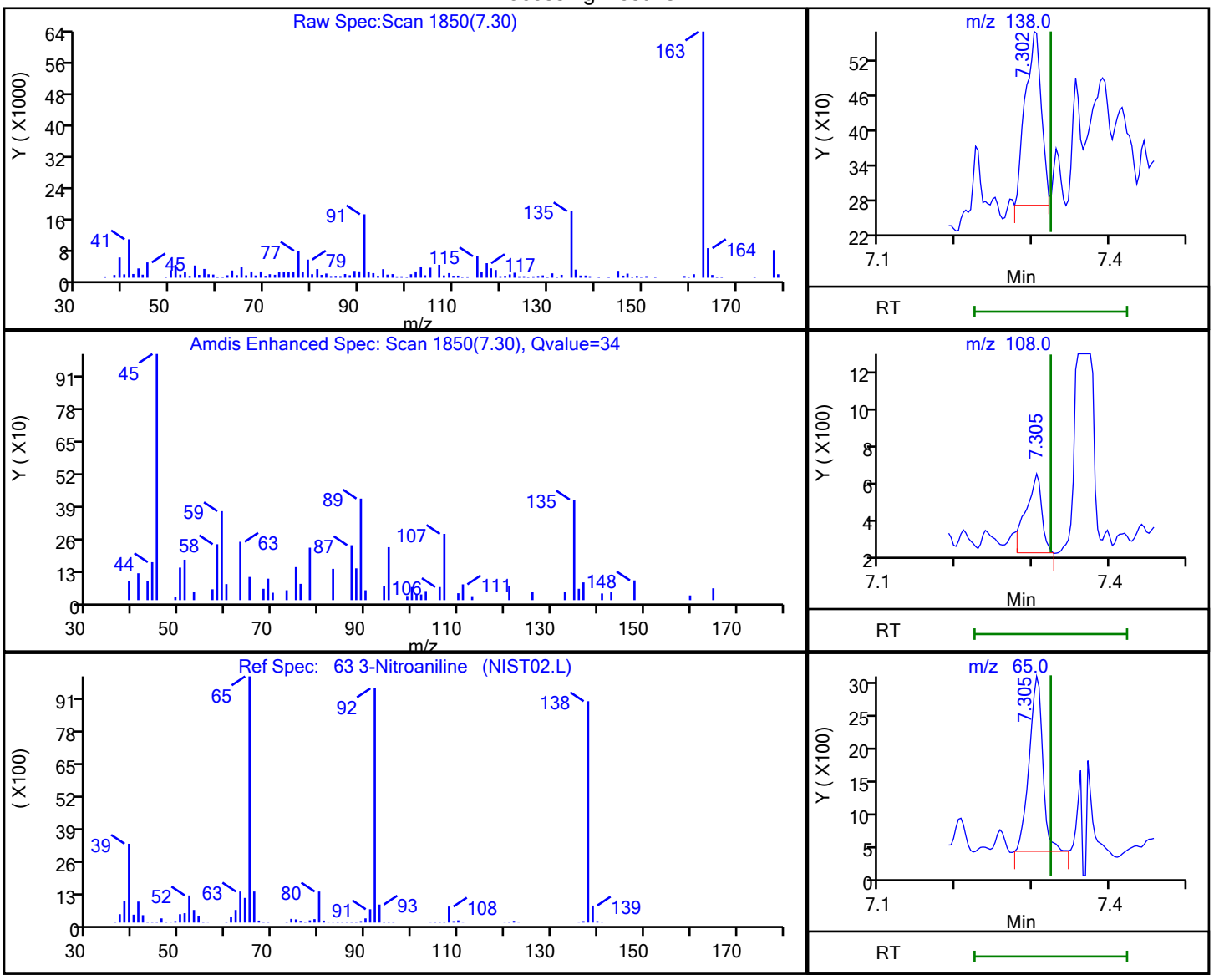
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.30	138.00	436	0.055761
7.30	108.00	600	
7.30	65.00	3329	

Reviewer: G4KC, 06-Feb-2023 09:27:10

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

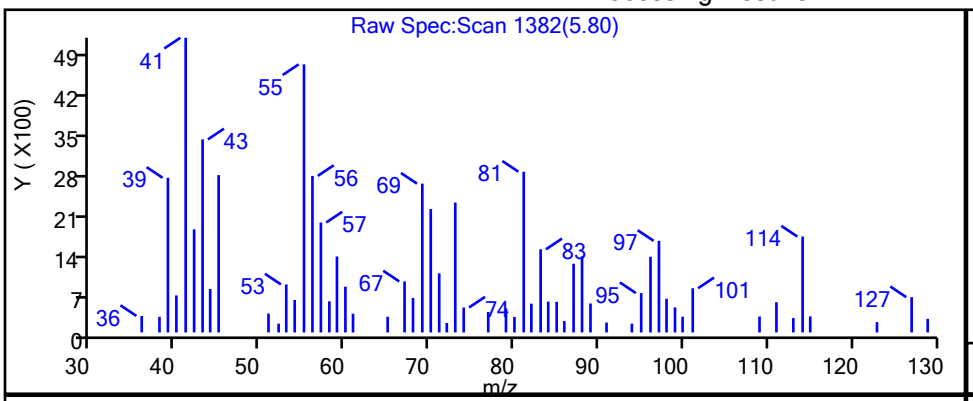
User Disabled Compound Report

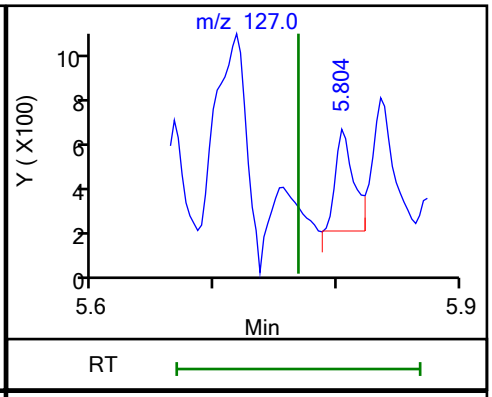
Eurofins Edison

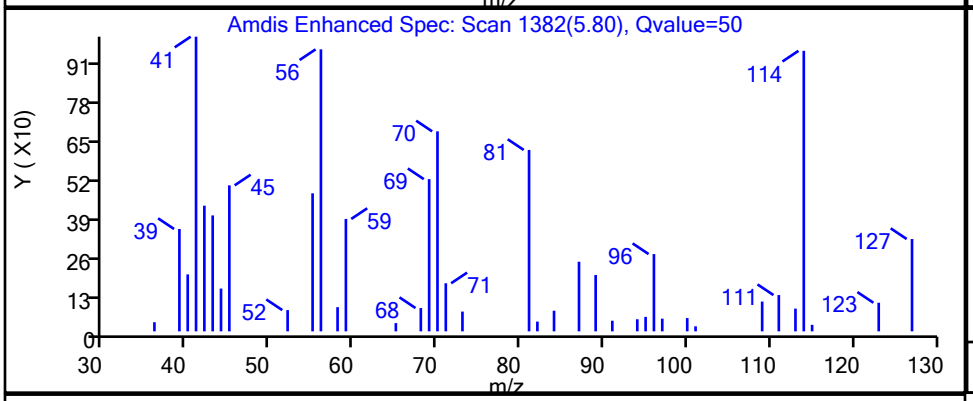
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

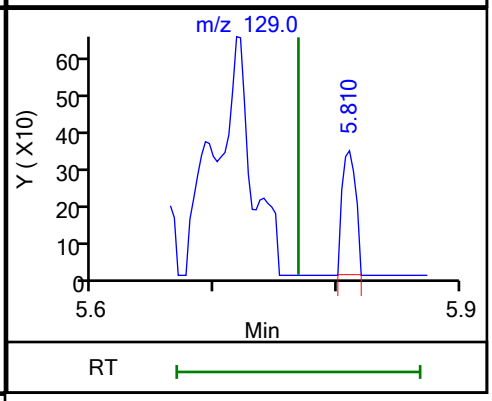
40 4-Chloroaniline, CAS: 106-47-8

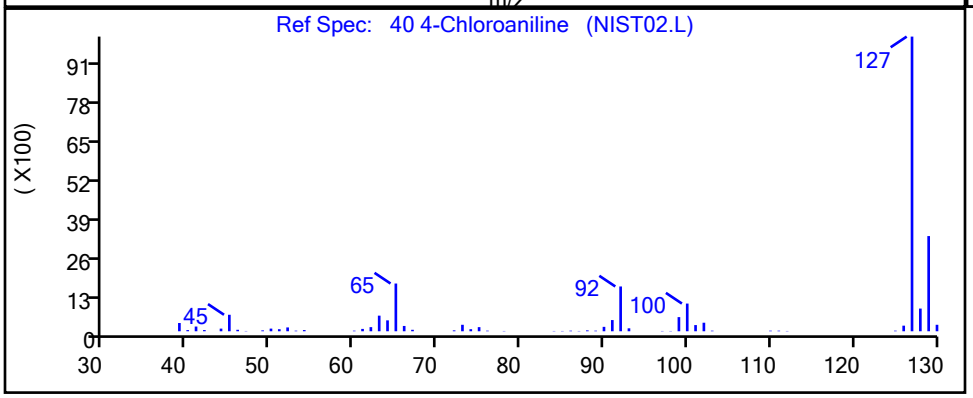
Processing Results











RT	Mass	Response	Amount
5.80	127.00	470	0.021471
5.81	129.00	267	

Reviewer: G4KC, 06-Feb-2023 09:27:01

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

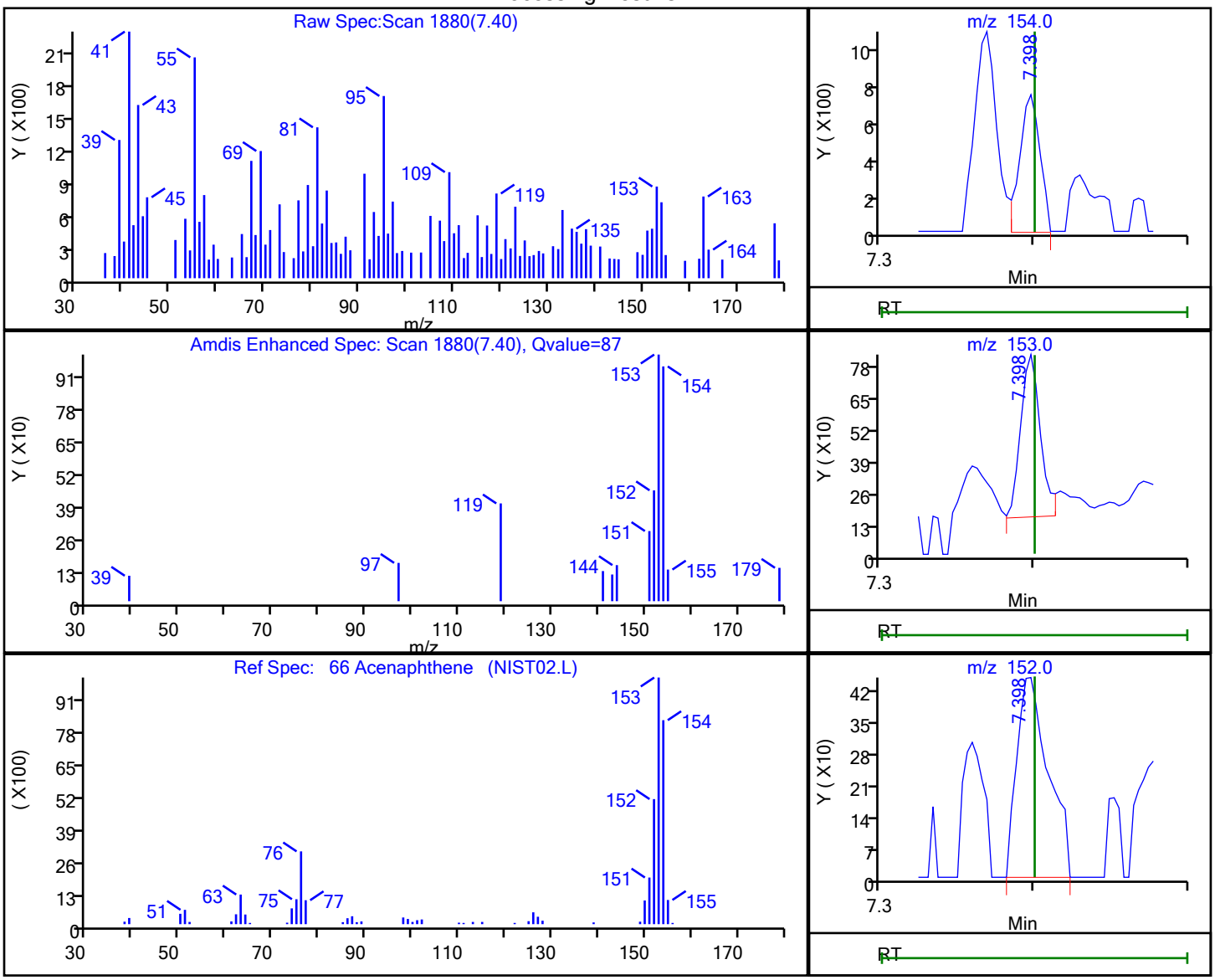
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.40	154.00	629	0.019070
7.40	153.00	604	
7.40	152.00	641	

Reviewer: G4KC, 06-Feb-2023 09:27:11

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

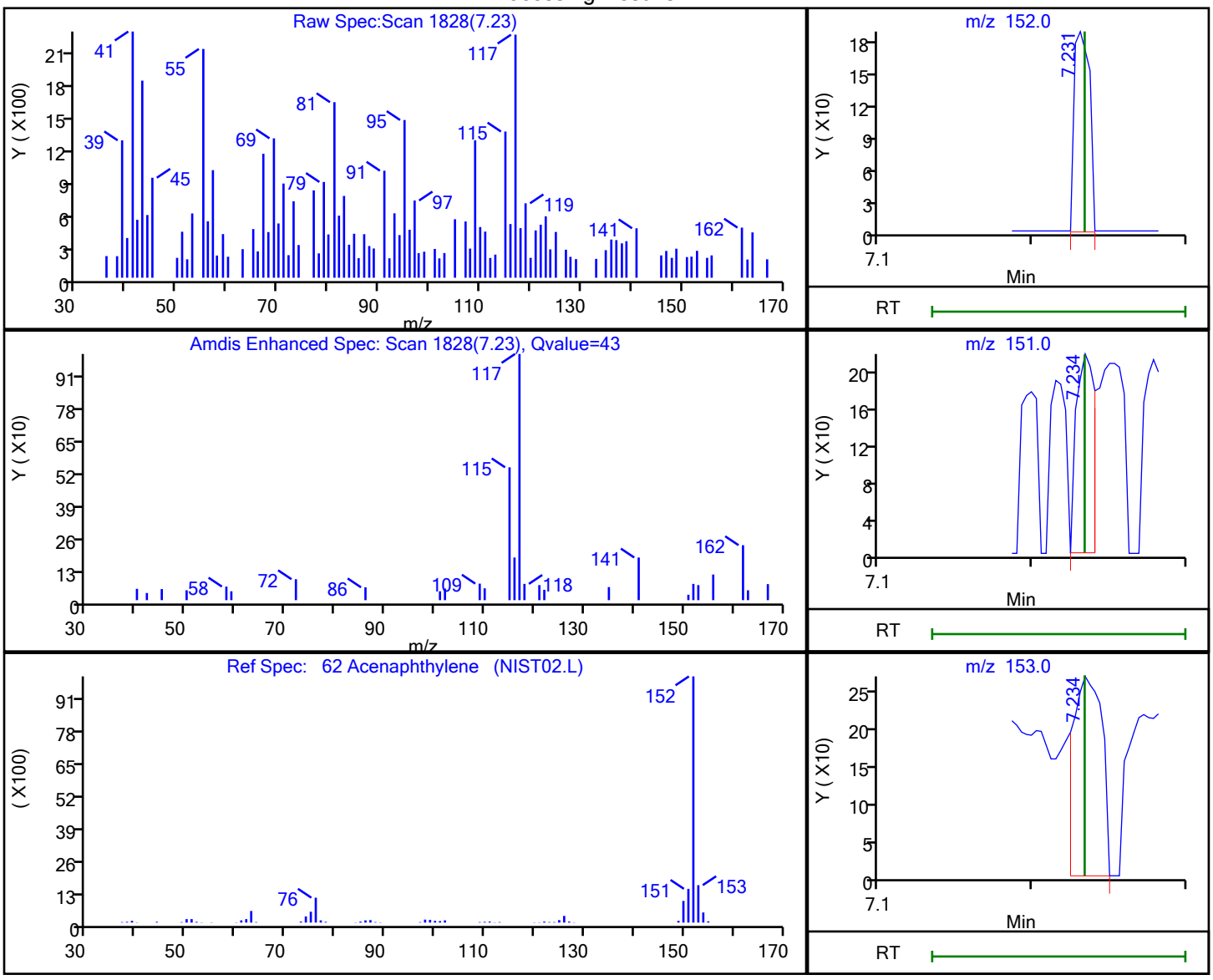
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
7.23	152.00	132	0.002374
7.23	151.00	176	
7.23	153.00	345	

Reviewer: G4KC, 06-Feb-2023 09:27:09

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

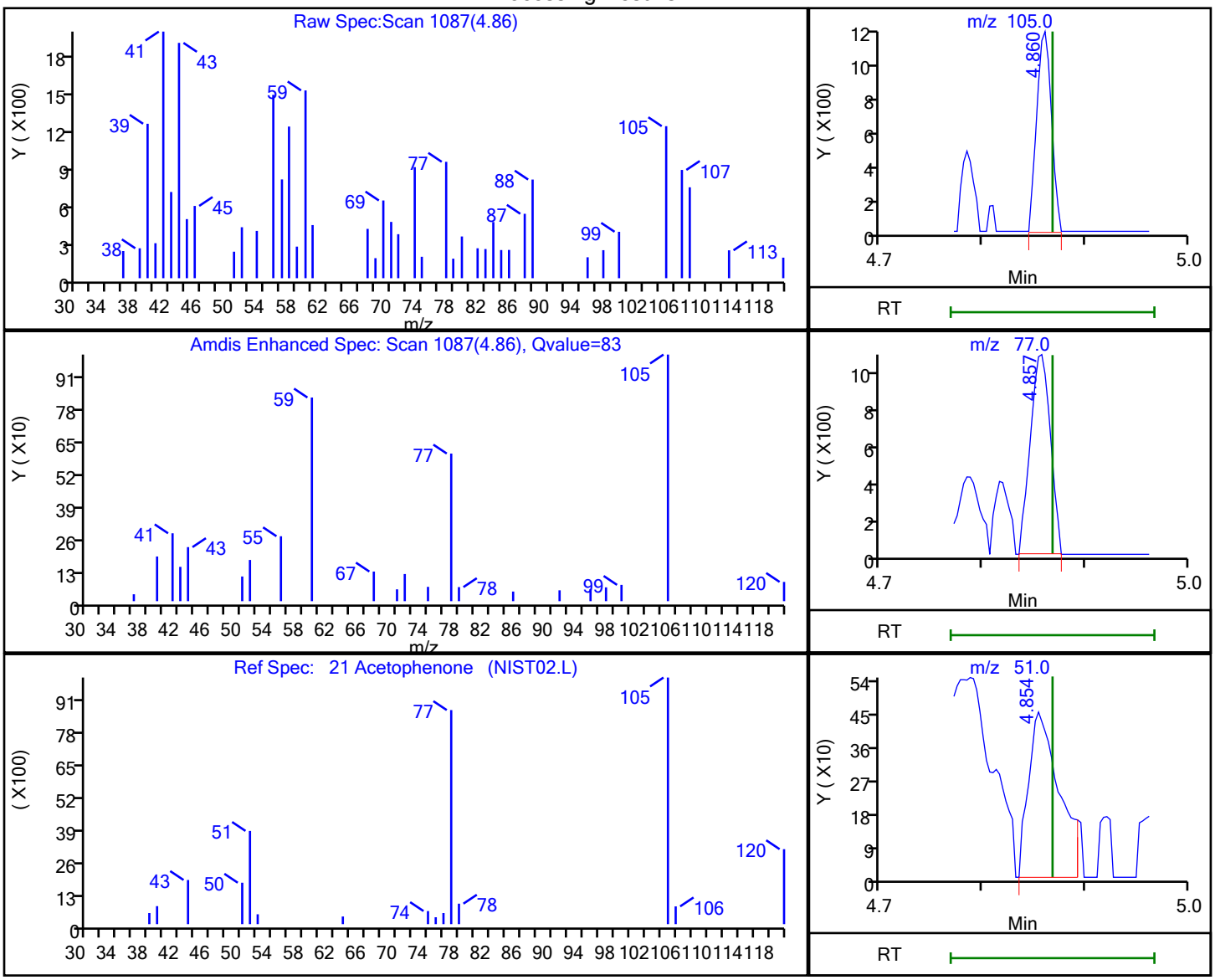
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

21 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
4.86	105.00	1203	0.046487
4.86	77.00	1396	
4.85	51.00	951	
4.86	120.00	96	

Reviewer: G4KC, 06-Feb-2023 09:27:31

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

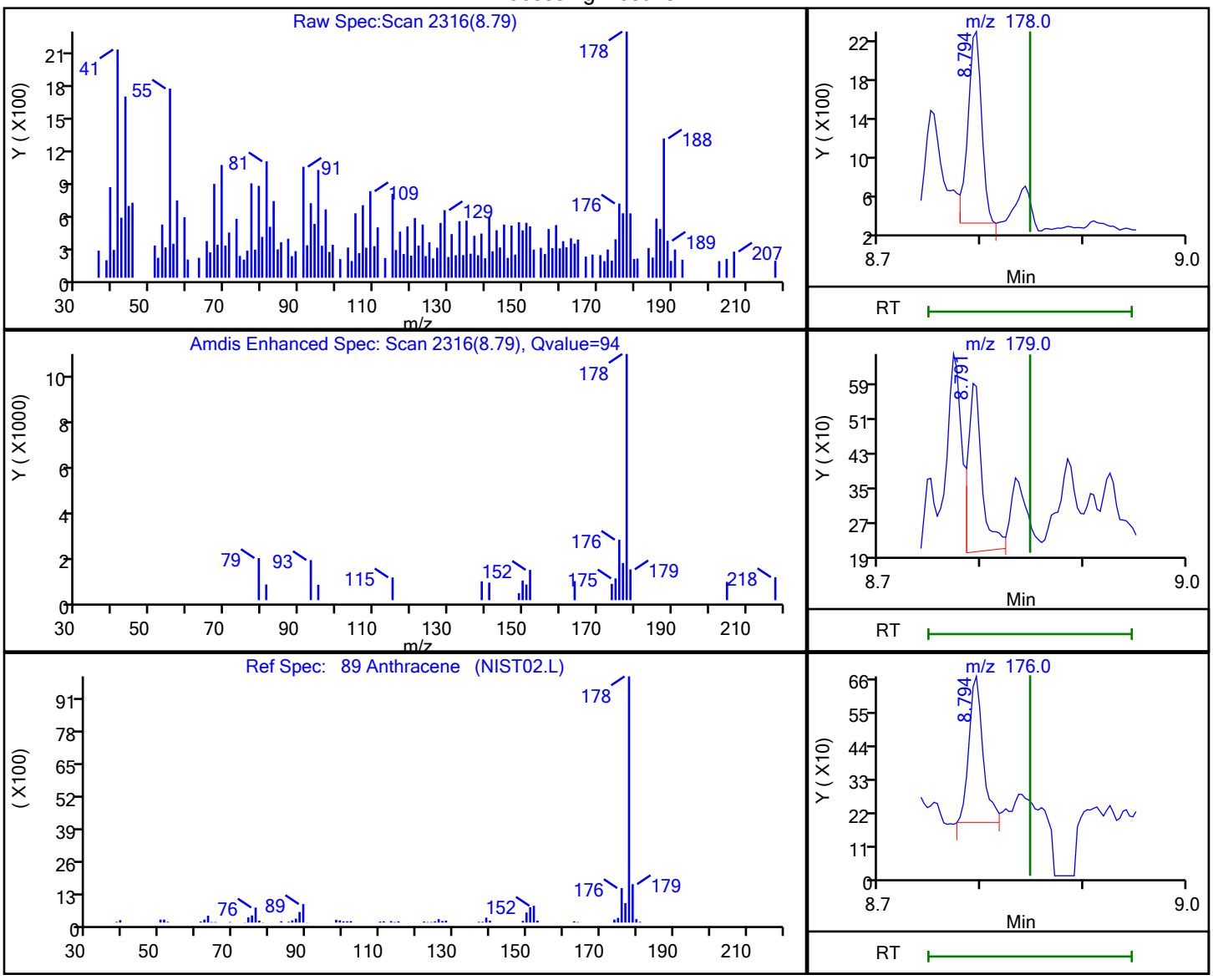
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.79	178.00	1793	0.029301
8.79	179.00	370	
8.79	176.00	474	

Reviewer: G4KC, 06-Feb-2023 09:27:17

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

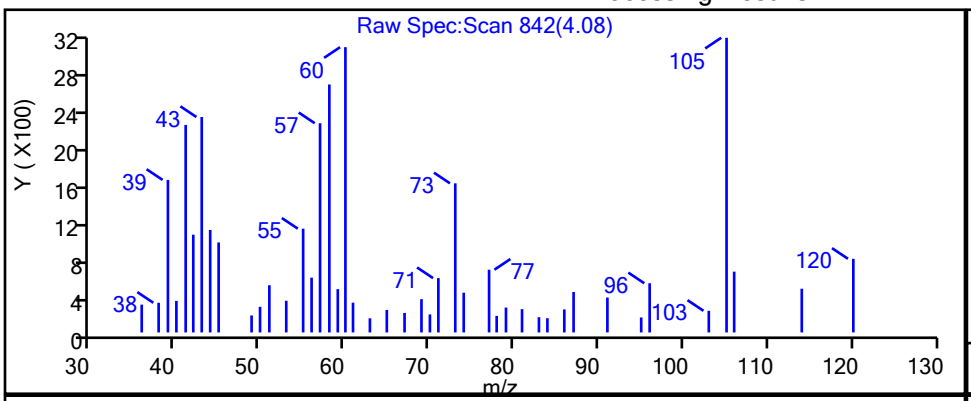
User Disabled Compound Report

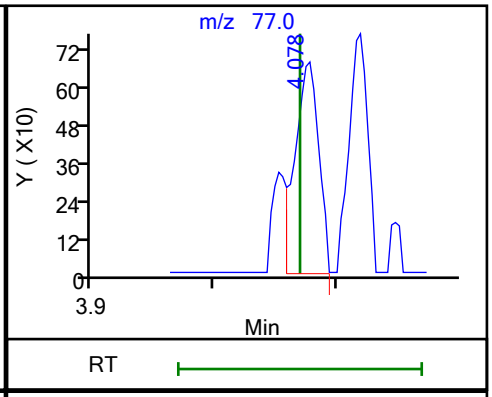
Eurofins Edison

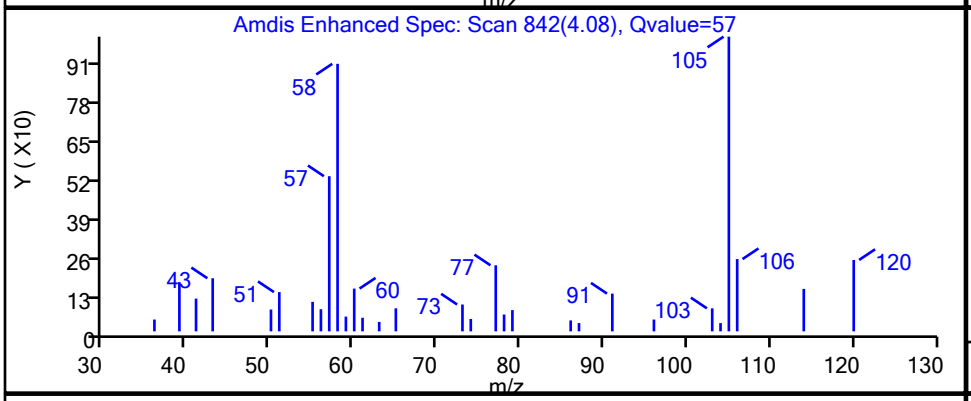
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

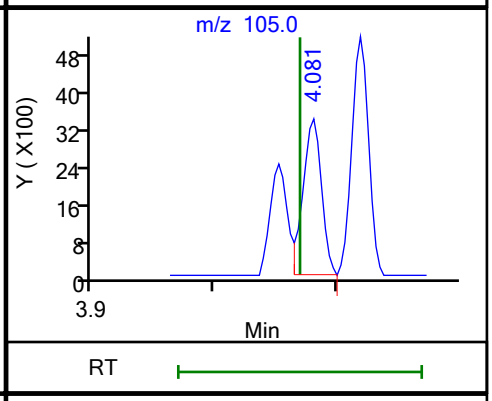
5 Benzaldehyde, CAS: 100-52-7

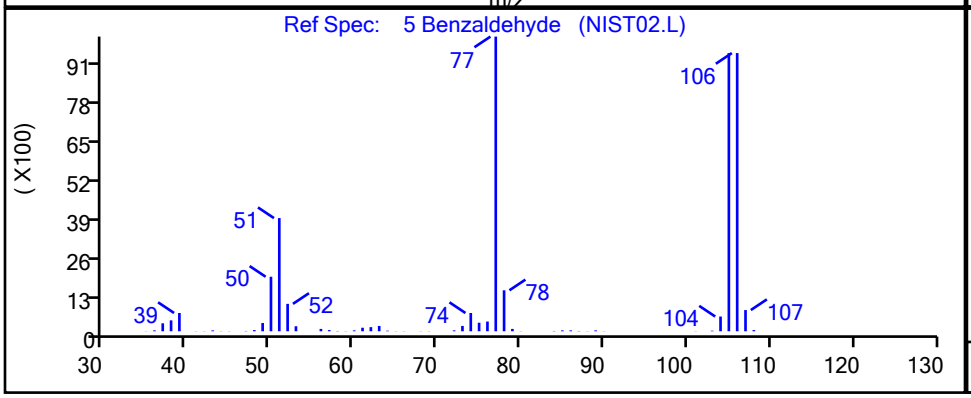
Processing Results

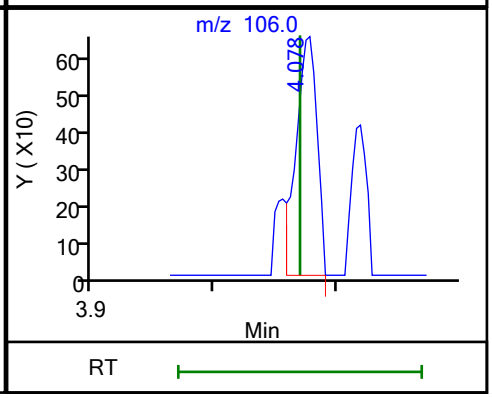












RT	Mass	Response	Amount
4.08	77.00	923	0.063284
4.08	105.00	3628	
4.08	106.00	793	

Reviewer: khlungprakhons, 06-Feb-2023 14:49:19

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

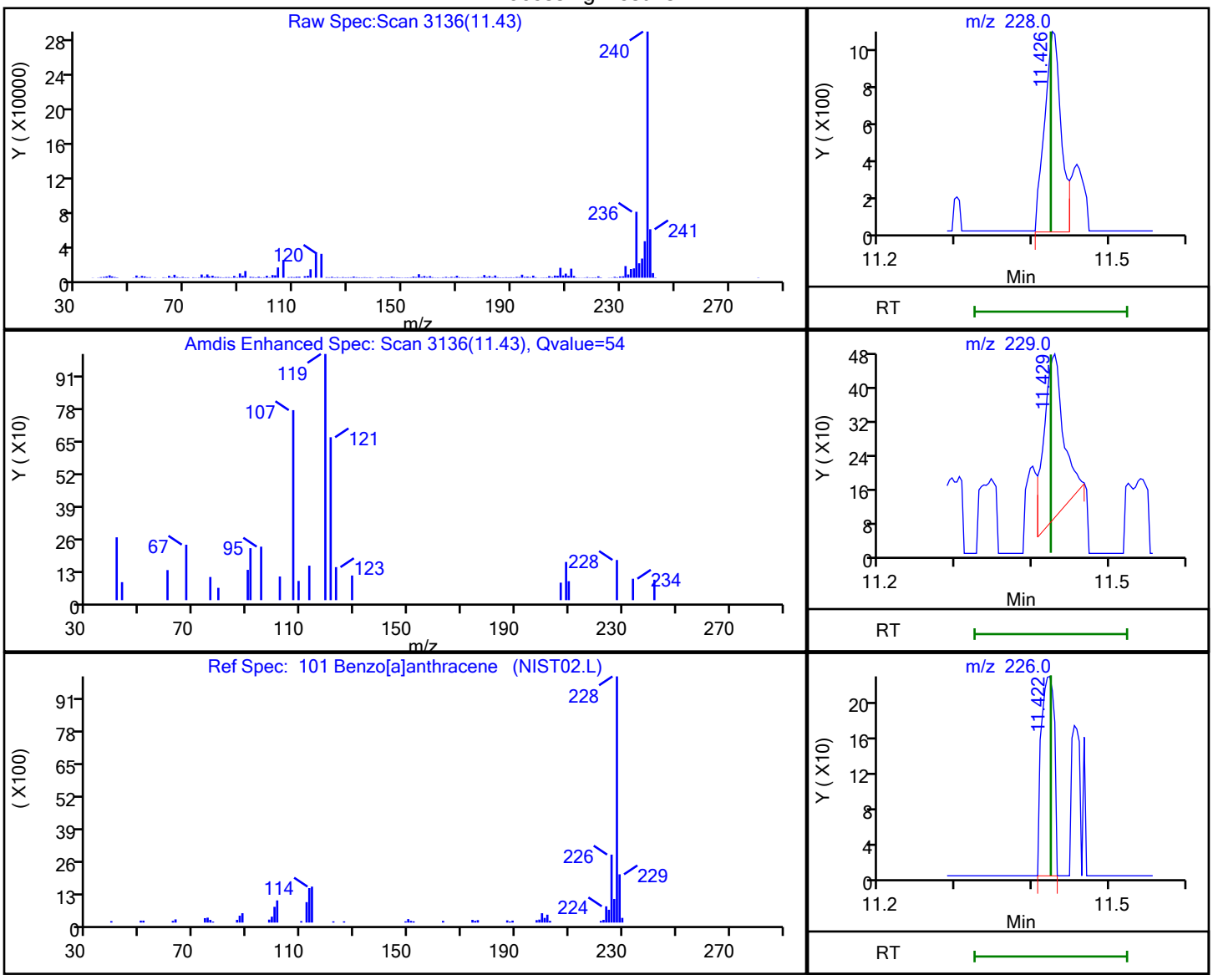
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
11.43	228.00	1510	0.030098
11.43	229.00	691	
11.42	226.00	263	

Reviewer: G4KC, 06-Feb-2023 09:27:23

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

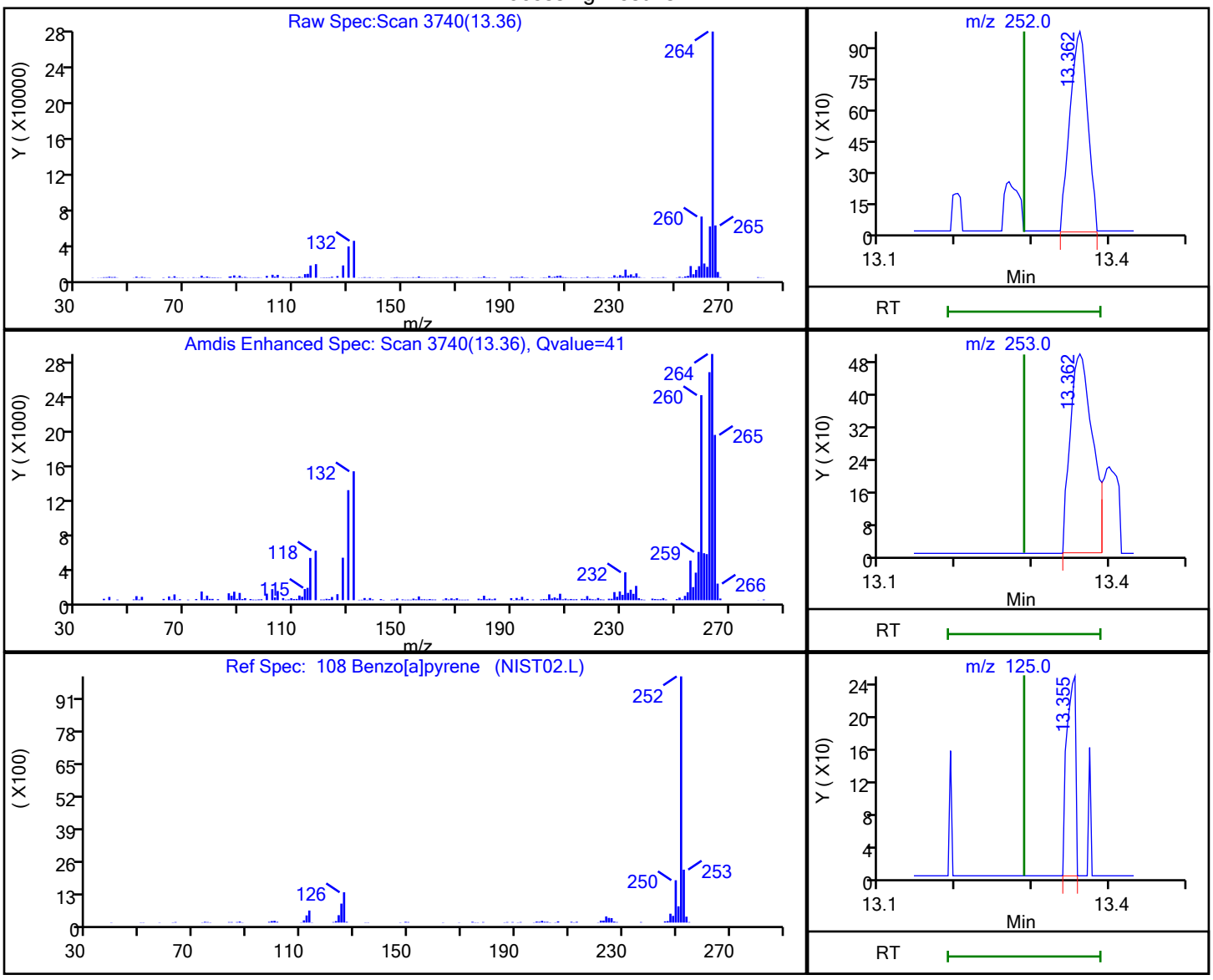
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.36	252.00	1567	0.028687
13.36	253.00	1008	
13.36	125.00	198	

Reviewer: G4KC, 06-Feb-2023 09:27:25

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

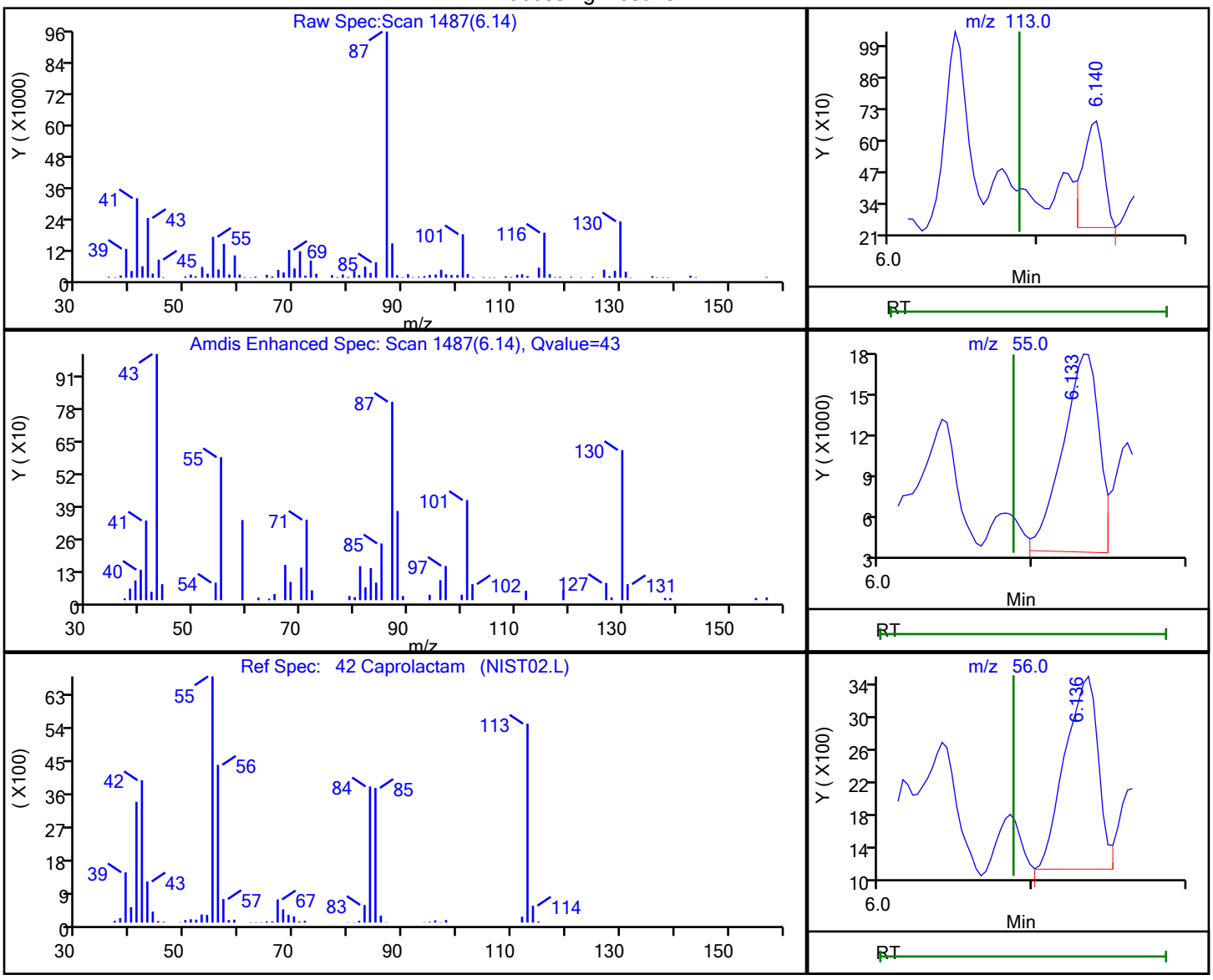
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Processing Results



RT	Mass	Response	Amount
6.14	113.00	429	0.179856
6.13	55.00	24202	
6.14	56.00	3522	

Reviewer: G4KC, 06-Feb-2023 09:27:03

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

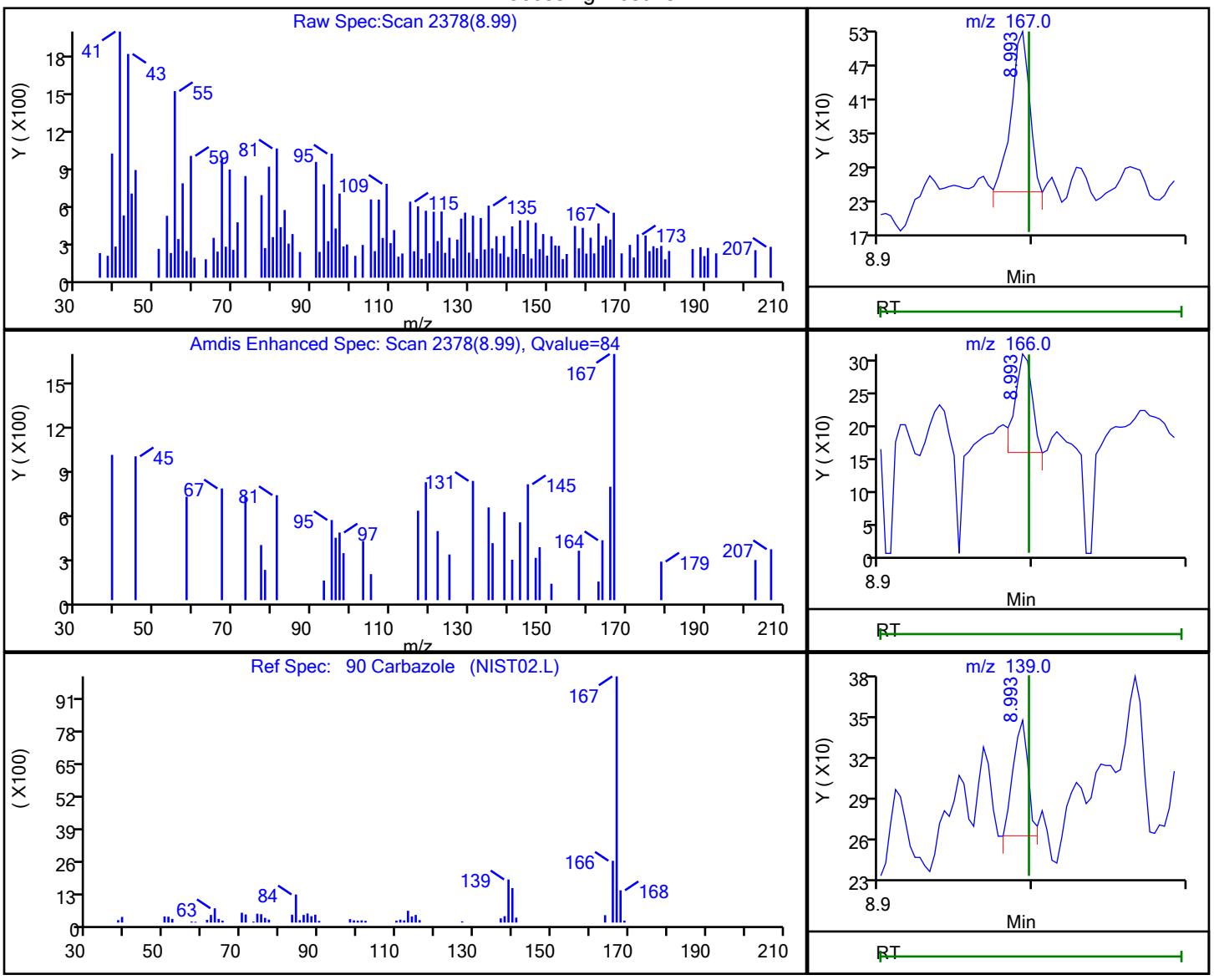
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.99	167.00	238	0.004583
8.99	166.00	119	
8.99	139.00	56	

Reviewer: G4KC, 06-Feb-2023 09:27:18

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

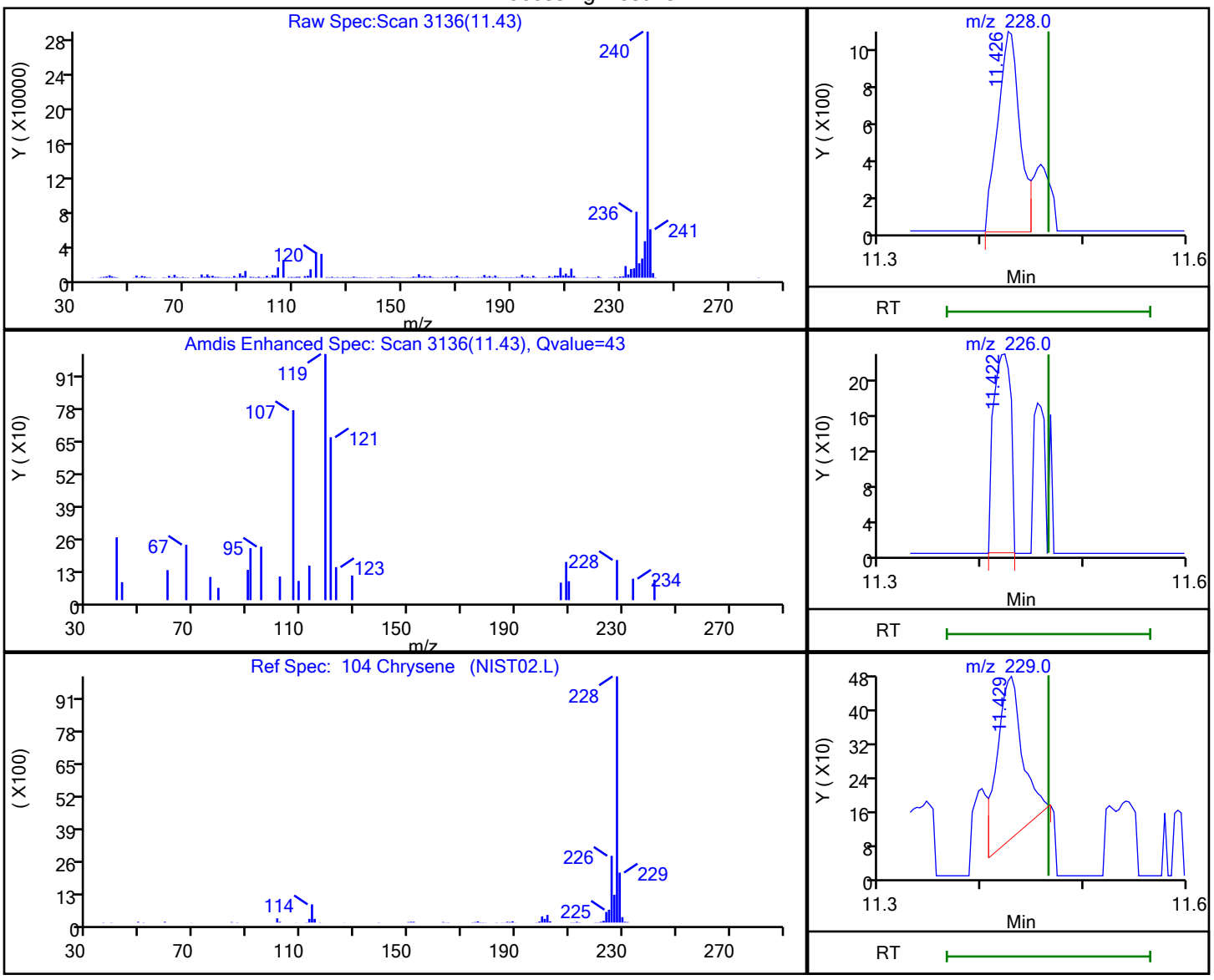
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.43	228.00	1510	0.031118
11.42	226.00	263	
11.43	229.00	691	

Reviewer: G4KC, 06-Feb-2023 09:27:24

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

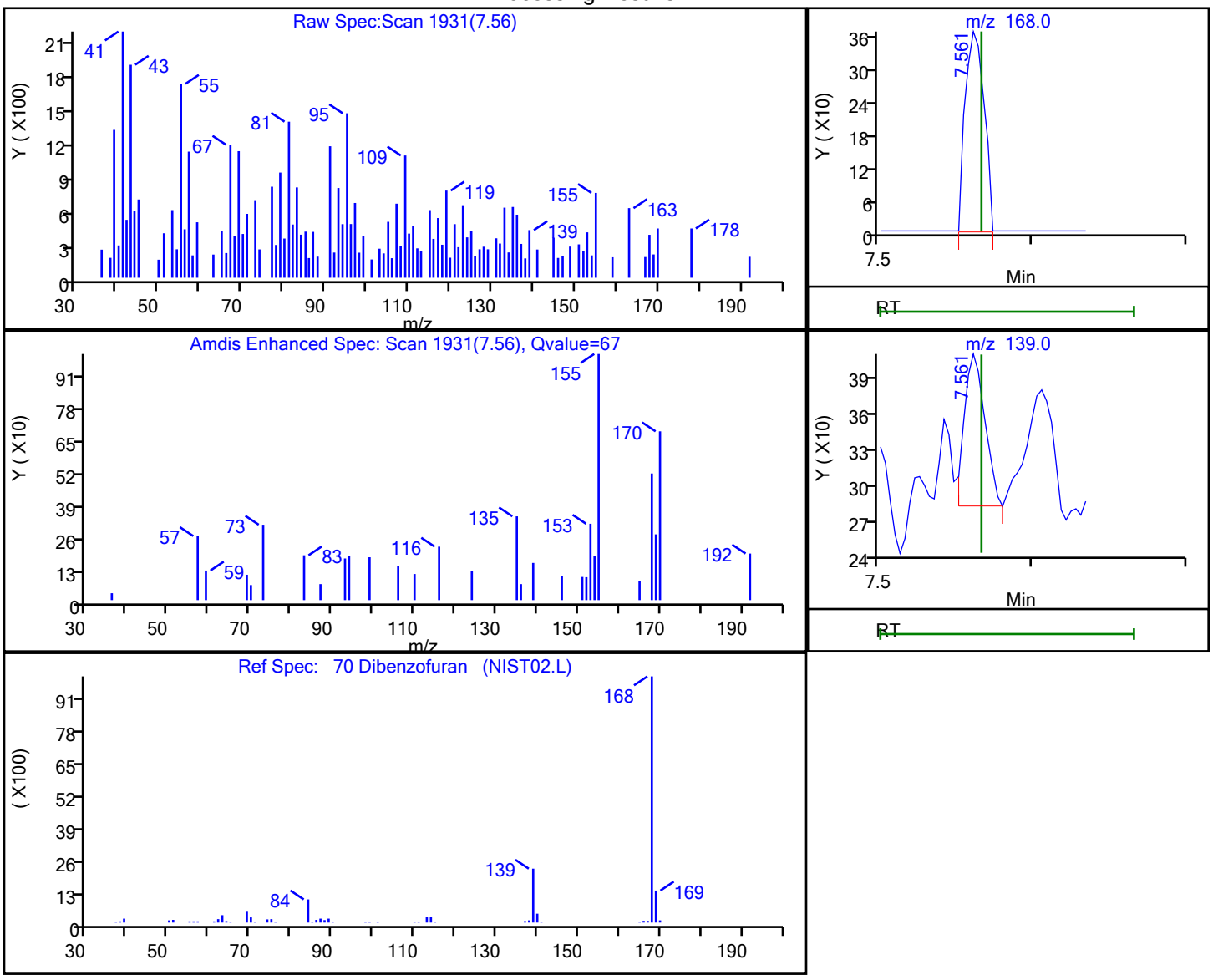
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

Processing Results



RT	Mass	Response	Amount
7.56	168.00	315	0.006130
7.56	139.00	115	

Reviewer: G4KC, 06-Feb-2023 09:27:13

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

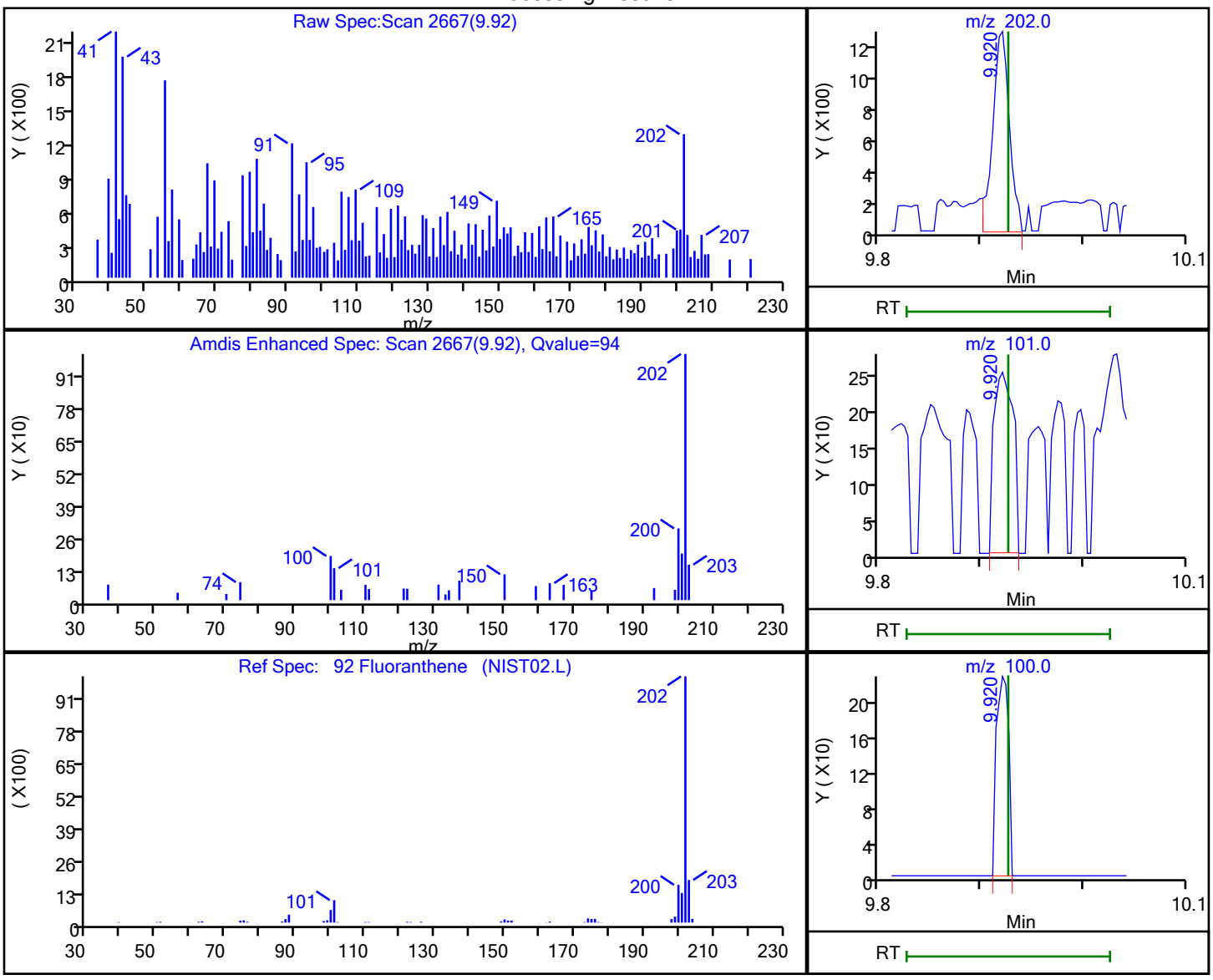
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.92	202.00	1415	0.023629
9.92	101.00	325	
9.92	100.00	186	

Reviewer: G4KC, 06-Feb-2023 09:27:21

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

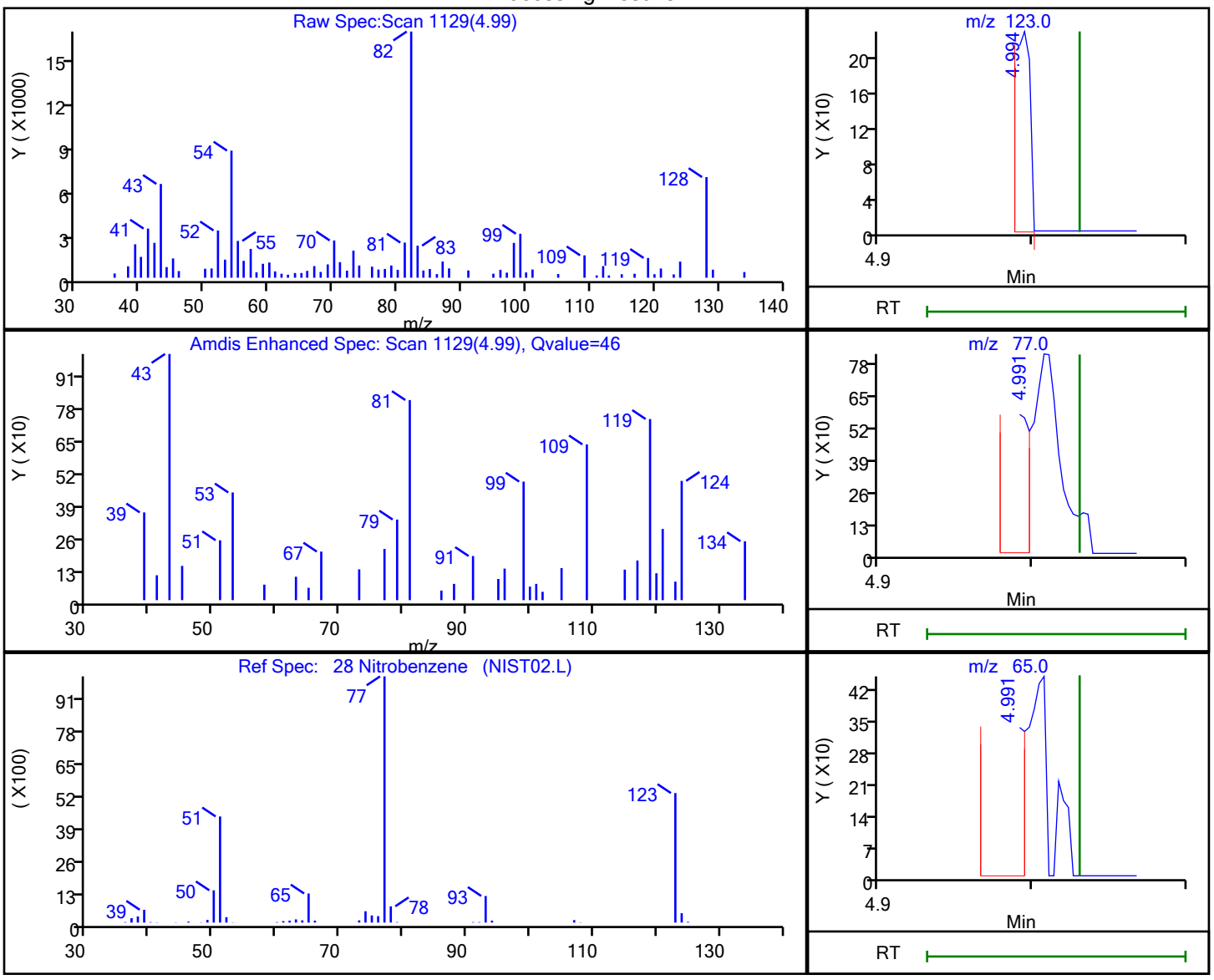
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

28 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.99	123.00	121	0.015323
4.99	77.00	502	
4.99	65.00	428	

Reviewer: G4KC, 06-Feb-2023 09:27:00

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

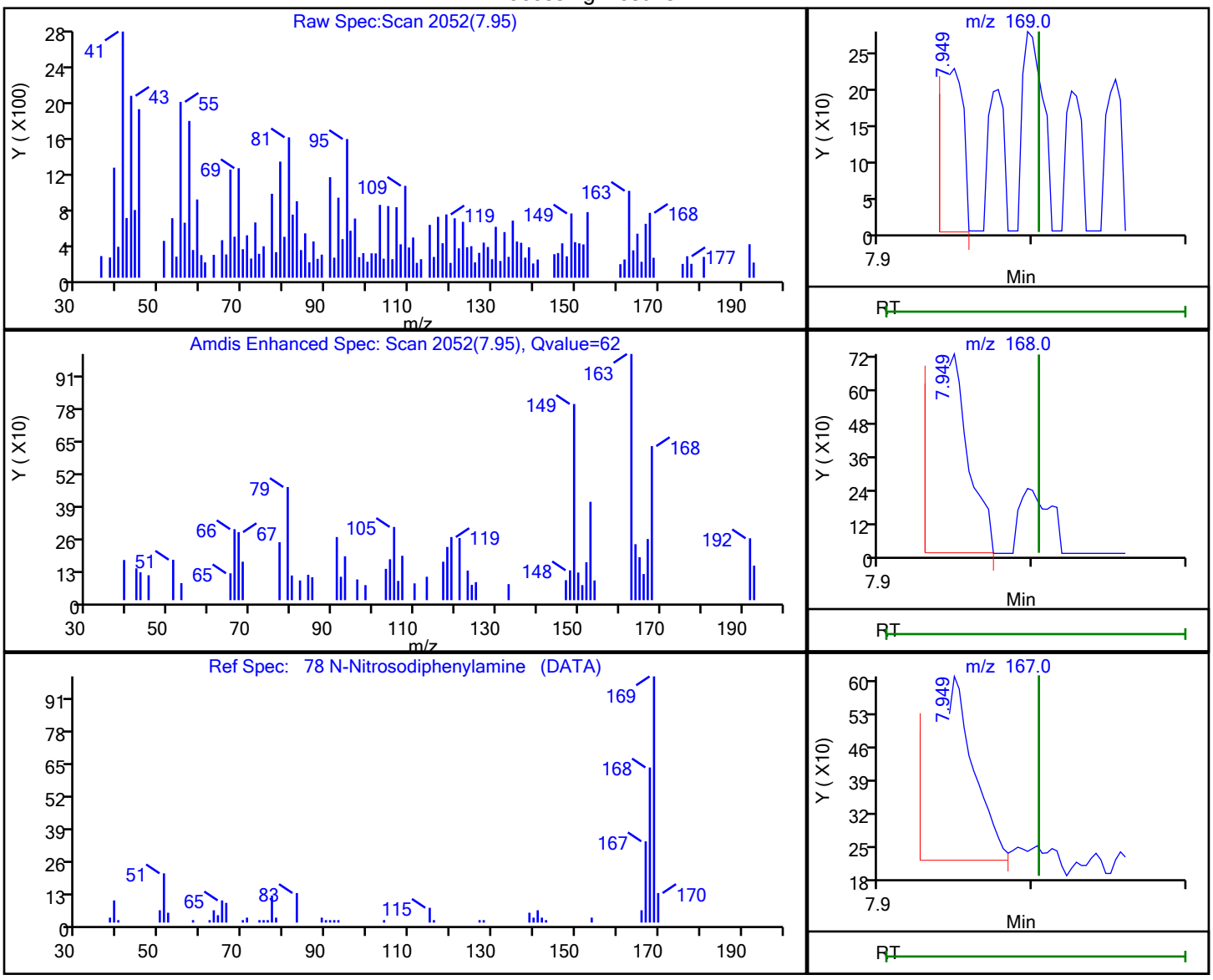
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

78 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.95	169.00	189	0.006287
7.95	168.00	938	
7.95	167.00	519	

Reviewer: G4KC, 06-Feb-2023 09:27:15

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

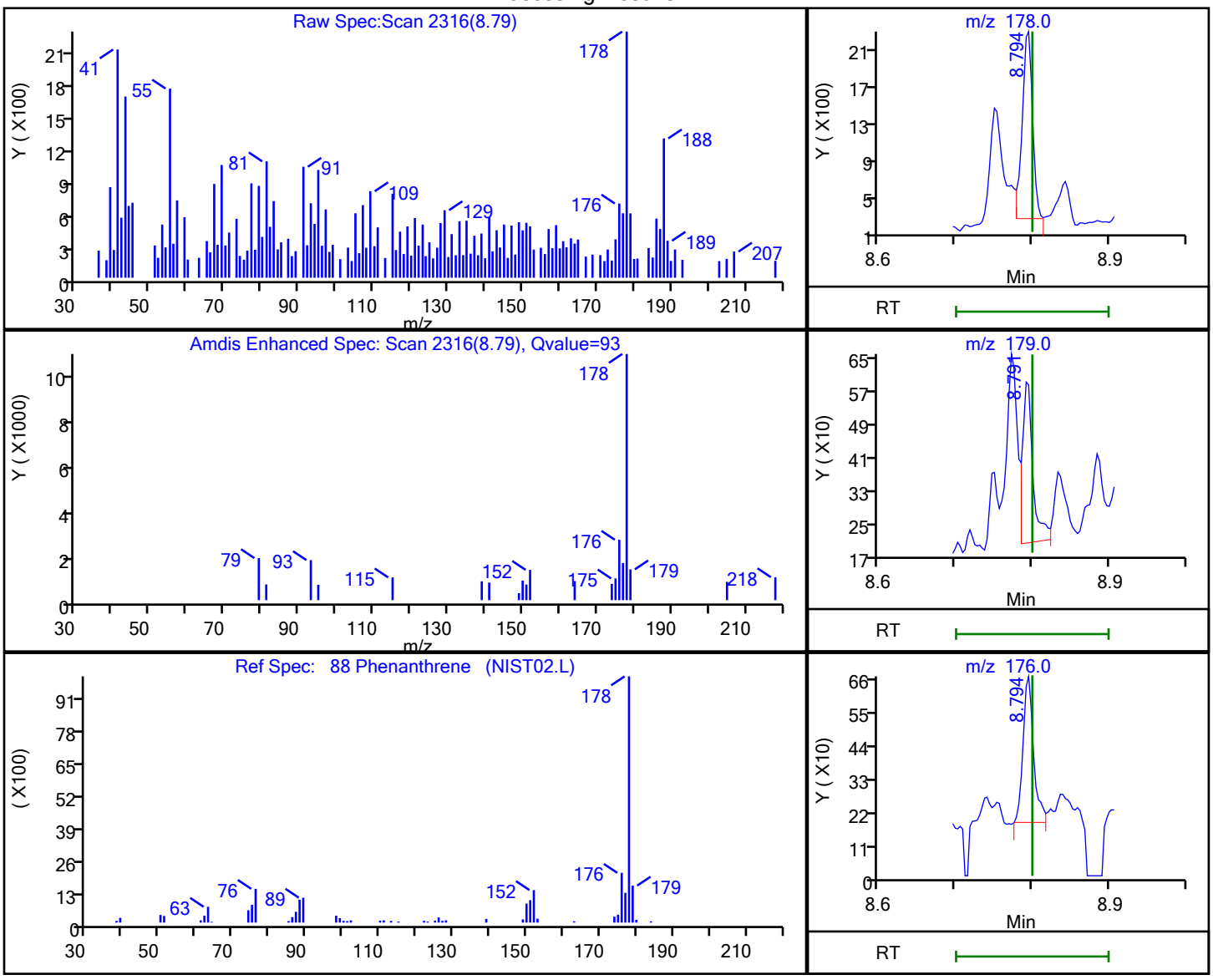
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.79	178.00	1793	0.029626
8.79	179.00	370	
8.79	176.00	474	

Reviewer: G4KC, 06-Feb-2023 09:27:16

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

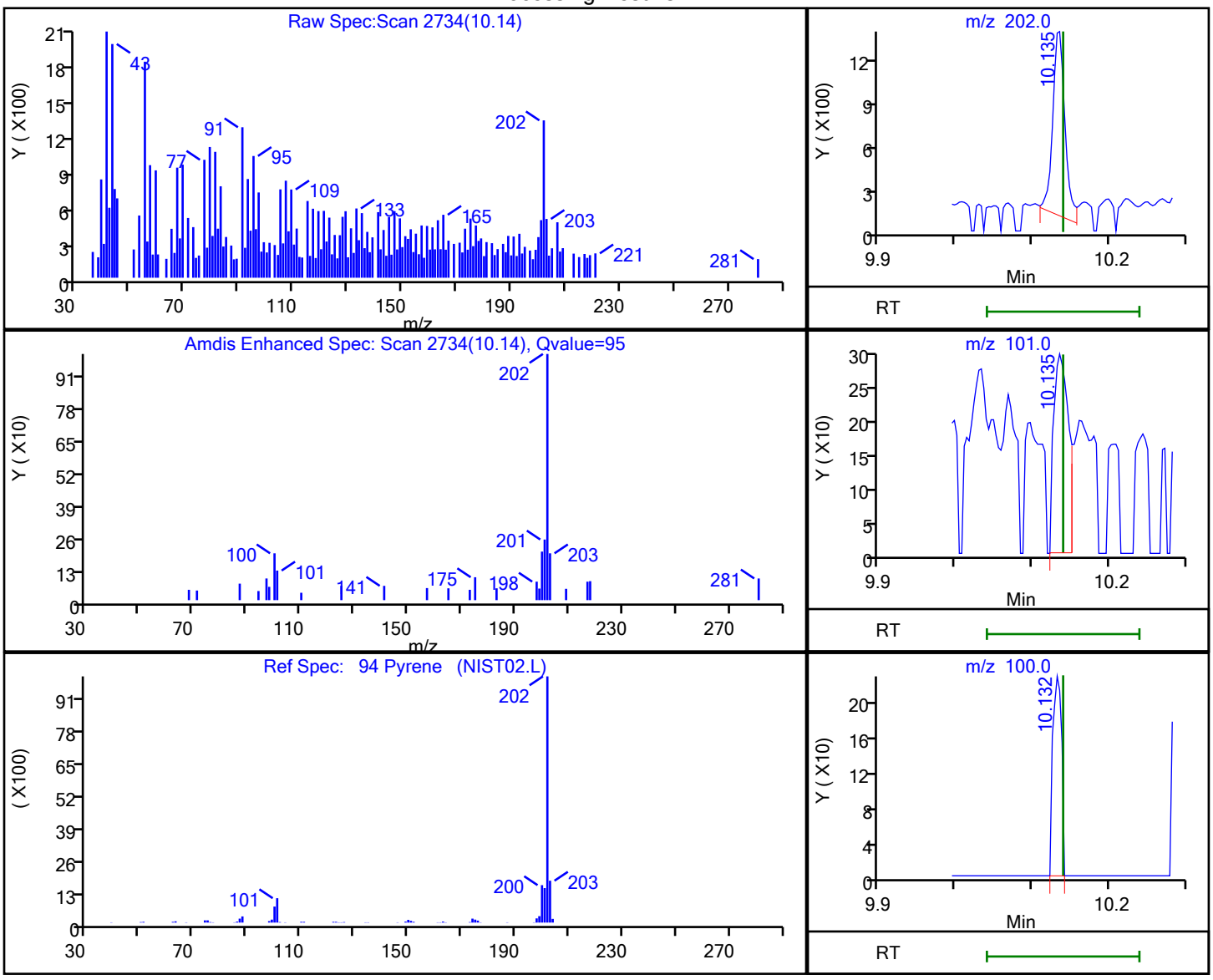
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41516.d				
Injection Date:	05-Feb-2023 22:05:30	Instrument ID:	CBNAMS14		
Lims ID:	460-273970-F-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
10.14	202.00	1374	0.023157
10.14	101.00	398	
10.13	100.00	184	

Reviewer: G4KC, 06-Feb-2023 09:27:22

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

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-889708/10	N41334.d
Level 2	STD02 460-889708/9	N41333.d
Level 3	STD04 460-889708/8	N41332.d
Level 4	STD1 460-889708/7	N41331.d
Level 5	STD2 460-889708/6	N41330.d
Level 6	STD4 460-889708/5	N41329.d
Level 7	ICIS 460-889708/2	N41326.d
Level 8	STD16 460-889708/4	N41328.d
Level 9	STD24 460-889708/3	N41327.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.3737	0.3801	0.3709	0.3834 0.3604	0.3825	Ave		0.3752			0.0100	2.3		20.0			
N-Nitrosodimethylamine	0.5397	0.5638	0.5502	0.5447 0.5355	0.5434	Ave		0.5462			0.0100	1.8		20.0			
Pyridine	0.6639 0.8845	0.8863 0.8706	0.9261	0.8916 0.8960	0.8929	Ave		0.8640			0.0100	9.5		20.0			
Benzaldehyde	0.8418	0.9430 +++++	0.8226 +++++	0.8382 +++++	0.7851	Ave		0.8461			0.0100	6.9		20.0			
Phenol	1.1286	1.1630	1.1675	1.2322 1.1208	1.1809	Ave		1.1655			0.8000	3.4		20.0			
Aniline	1.4420	1.4477	1.4874	1.5988 1.4350	1.5159	Ave		1.4878			0.0100	4.2		20.0			
Bis(2-chloroethyl)ether	0.8962 0.8888	0.8573 0.8869	0.9079	0.9639 0.8798	0.9207	Ave		0.9002			0.7000	3.5		20.0			
2-Chlorophenol	1.0979	1.1132	1.1551	1.2087 1.1318	1.1542	Ave		1.1435			0.8000	3.4		20.0			
n-Decane	1.0330	1.1038	1.0782	1.1173 1.0519	1.0839	Ave		1.0780			0.0100	2.9		20.0			
1,3-Dichlorobenzene	1.4358	1.4727	1.5387	1.5462 1.4888	1.4989	Ave		1.4968			0.0100	2.8		20.0			
1,4-Dichlorobenzene	1.4919	1.5186	1.5742	1.5658 1.5140	1.5655	Ave		1.5383			0.0100	2.2		20.0			
Benzyl alcohol	0.6298	0.6475	0.6701	0.6795 0.6348	0.6606	Ave		0.6537			0.0100	3.0		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4266	1.4446	1.4894	1.5064 1.4546	1.4602	Ave		1.4636			0.0100	2.0		20.0			
2-Methylphenol	0.9176	0.9407	0.9595	0.9558 0.9244	0.9576	Ave		0.9426			0.7000	1.9		20.0			
2,2'-oxybis[1-chloropropane]	1.0969	1.2161	1.1462	1.1839 1.1073	1.1603	Ave		1.1518			0.0100	3.9		20.0			
N-Methylaniline	1.6086 1.8003	1.7172 1.7313	1.9150	1.8111 1.8634	1.7209	Ave		1.7710			0.0100	5.4		20.0			
3 & 4 Methylphenol	1.0440	1.0832	1.1214	1.0932 1.0702	1.0719	Ave		1.0806			0.0100	2.4		20.0			
4-Methylphenol	1.0440	1.0832	1.1214	1.0932 1.0702	1.0719	Ave		1.0806			0.6000	2.4		20.0			
N-Nitrosodi-n-propylamine	0.6971 0.6570	0.5983 0.6731	0.6613	0.6930 0.6342	0.6749	Ave		0.6611			0.5000	4.9		20.0			
Acetophenone	1.5960	1.5963	1.6508	1.7034 1.5661	1.6493	Ave		1.6270			0.0100	3.1		20.0			
Hexachloroethane	0.4164 0.4684	0.4832 0.4783	0.4868	0.4701 0.4758	0.4811	Ave		0.4700			0.3000	4.8		20.0			
Nitrobenzene	0.3226 0.4805	0.3835 0.4885	0.5299	0.4643 0.5029	0.4923	Ave		0.4581			0.2000	15.2		20.0			
n,n'-Dimethylaniline	1.7163 1.7209	1.7575 1.7849	1.8314	1.6862 1.8079	1.6307	Ave		1.7420			0.0100	3.8		20.0			
Isophorone	0.5066	0.4782 0.5085	0.4961	0.5152 0.4970	0.5211	Ave		0.5032			0.4000	2.8		20.0			
2-Nitrophenol	0.1328	0.1289	0.1490	0.1104 0.1485	0.1304	Ave		0.1333			0.1000	10.8		20.0			
2,4-Dimethylphenol	0.2721	0.2756	0.2759	0.2710 0.2738	0.2841	Ave		0.2754			0.2000	1.7		20.0			
Benzoic acid	0.0833	0.1129	0.1420	0.0529 0.1265	0.0744	Lin1	-0.107	0.1336			0.0100	15.1					
Bis(2-chloroethoxy)methane	0.3099	0.3186	0.3159	0.3228 0.3227	0.3275	Ave		0.3196			0.3000	1.9		20.0			
2,4-Dichlorophenol	0.3225	0.3314	0.3352	0.3153 0.3342	0.3329	Ave		0.3286			0.2000	2.4		20.0			
1,2,4-Trichlorobenzene	0.3329 0.3808	0.3525 0.3979	0.3826	0.3749 0.3845	0.3861	Ave		0.3740			0.0100	5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	0.9999 0.9657	0.9845 0.9914	0.9967	0.9858 0.9997	1.0021	Ave		0.9907			0.7000	1.2		20.0			
4-Chloroaniline	0.3997 0.3886	0.4032 0.4001	0.3966	0.4108 0.3965	0.4029	Ave		0.3998			0.0100	1.6		20.0			
2,6-Dichlorophenol	0.3151	0.3257	0.3324	0.3355 0.3306	0.3262	Ave		0.3276				2.2		20.0			
Hexachlorobutadiene	0.1969 0.2149	0.2000 0.2177	0.2213	0.2099 0.2217	0.2275	Ave		0.2137			0.0100	5.1		20.0			
Caprolactam	0.0585	0.0452 0.0590	0.0469 0.0570	0.0523 0.0554	0.0530	Ave		0.0534			0.0100	9.6		20.0			
4-Chloro-3-methylphenol	0.2297	0.2324	0.2249	0.2270 0.2268	0.2293	Ave		0.2283			0.2000	1.2		20.0			
2-Methylnaphthalene	0.6972	0.6717 0.6880	0.6915	0.7269 0.6983	0.7178	Ave		0.6988			0.4000	2.7		20.0			
1-Methylnaphthalene	0.6259	0.6428 0.6355	0.6325	0.6641 0.6423	0.6556	Ave		0.6427			0.0100	2.1		20.0			
Hexachlorocyclopentadiene	0.3769	0.4437	0.4299	0.3861 0.4271	0.3846	Ave		0.4080			0.0500	7.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.5662	0.6265	0.6085	0.6041 0.5910	0.5743	Ave		0.5951			0.0100	3.8		20.0			
2-tertbutyl-4-methylphenol	0.4487	0.4540 0.4478	0.4509	0.4452 0.4594	0.4289	Ave		0.4478			0.0100	2.1		20.0			
2,4,6-Trichlorophenol	0.3561	0.3224 0.4074	0.3967	0.3542 0.3818	0.3847	Ave		0.3719			0.2000	7.9		20.0			
2,4,5-Trichlorophenol	0.3954	0.4293	0.4253	0.3905 0.4162	0.3954	Ave		0.4087			0.2000	4.2		20.0			
1,1'-Biphenyl	1.3931	1.5714	1.4855	1.4451 1.4533	1.4588	Ave		1.4679			0.0100	4.0		20.0			
2-Chloronaphthalene	1.1188	1.2467	1.1894	1.1623 1.1795	1.1527	Ave		1.1749			0.8000	3.6		20.0			
Phenyl ether	0.8280	0.8863	0.8813	0.8324 0.8812	0.7932	Ave		0.8504			0.0100	4.5		20.0			
2-Nitroaniline	0.2304	0.2531	0.2599	0.2048 0.2537	0.2196	Ave		0.2369			0.0100	9.3		20.0			
1,3-Dimethylnaphthalene	0.8744	0.9869	0.9286	0.8616 0.9212	0.8520	Ave		0.9041			0.0100	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.1880	1.2962	1.2336	1.2330 1.1910	1.1962	Ave		1.2230			0.0100	3.4		20.0			
Coumarin	0.2306	0.2265	0.2286	0.2225 0.2274	0.2160	Ave		0.2253			0.0100	2.4		20.0			
2,6-Dinitrotoluene	0.2179	0.1478 0.2390	0.2451	0.1769 0.2372	0.2133	Ave		0.2110			0.2000	17.1		20.0			
Acenaphthylene	1.7244	1.7763	1.8264	1.7920 1.7846	1.8017	Ave		1.7842			0.9000	1.9		20.0			
3-Nitroaniline	0.1941	0.2144	0.2191	0.1531 0.2136	0.1913	Ave		0.1976			0.0100	12.5		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9596	1.1051	1.0810	1.0349 1.0860	0.9229	Ave		1.0316			0.0100	7.2		20.0			
Acenaphthene	0.9929	1.0929	1.0224	1.0987 1.0054	1.0980	Ave		1.0517			0.9000	4.8		20.0			
2,4-Dinitrophenol	0.0660	0.0790	0.1021	0.0448 0.0978	0.0600	Lin1	-0.147	0.0990			0.0100	14.5					
4-Nitrophenol	0.1098	0.1245	0.1323	0.0817 0.1268	0.0990	Ave		0.1123			0.0100	17.3		20.0			
2,4-Dinitrotoluene	0.2618	0.1418 0.2802	0.2972	0.2020 0.2853	0.2490	Lin2	-0.028	0.2733			0.2000				0.9920		0.9900
Dibenzofuran	1.5517	1.6849	1.6075	1.6534 1.5612	1.6252	Ave		1.6140			0.8000	3.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2704	0.2901	0.2821	0.2535 0.2698	0.2682	Ave		0.2724			0.0100	4.6		20.0			
Diethyl phthalate	1.0946	1.1566	1.1000	1.1471 1.0756	1.1161	Ave		1.1150			0.0100	2.8		20.0			
Fluorene	1.2130	1.3303	1.2619	1.2499 1.2324	1.2773	Ave		1.2608			0.9000	3.2		20.0			
4-Chlorophenyl phenyl ether	0.5850	0.6416	0.5996	0.6156 0.5822	0.5977	Ave		0.6036			0.4000	3.7		20.0			
4-Nitroaniline	0.1843	0.2082	0.2164	0.1605 0.2049	0.1751	Ave		0.1916			0.0100	11.3		20.0			
4,6-Dinitro-2-methylphenol	0.0576	0.0673	0.0805	0.0408 0.0804	0.0555	Lin1	-0.102	0.0803			0.0100	11.0					
N-Nitrosodiphenylamine	0.4942	0.5273	0.5121	0.5119 0.5086	0.5129	Ave		0.5112			0.0100	2.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.4802	0.5291	0.5000	0.4921 0.5048	0.4914	Ave		0.4996			0.0100	3.3		20.0			
Azobenzene	0.4802	0.5293	0.5002	0.4921 0.5048	0.4910	Ave		0.4996				3.4		20.0			
4-Bromophenyl phenyl ether	0.1941	0.2063	0.2010	0.1960 0.1990	0.1995	Ave		0.1993			0.1000	2.1		20.0			
Hexachlorobenzene	0.2618 0.2640	0.2853 0.2800	0.2714	0.2836 0.2690	0.2736	Ave		0.2736			0.1000	3.2		20.0			
Atrazine	0.1768	0.1593 0.1961	0.1601 0.1943	0.1659 0.1799	0.1688	Ave		0.1751			0.0100	8.2		20.0			
Pentachlorophenol	0.1222	0.1400	0.1434	0.1157 0.1424	0.1133	Ave		0.1295			0.0500	10.8		20.0			
Pentachloronitrobenzene	0.0766	0.0848	0.0884	0.0632 0.0897	0.0711	Ave		0.0790			0.0100	13.3		20.0			
n-Octadecane	0.2524	0.2909	0.2695	0.2518 0.2752	0.2605	Ave		0.2667			0.0100	5.6		20.0			
Phenanthrene	1.0019	1.0659	1.0354	1.0297 1.0061	1.0262	Ave		1.0275			0.7000	2.2		20.0			
Anthracene	1.0158	1.0964	1.0507	1.0462 1.0429	1.0391	Ave		1.0485			0.7000	2.5		20.0			
Carbazole	0.8498	0.9066	0.9055	0.8604 0.8756	0.8691	Ave		0.8778			0.0100	2.7		20.0			
Di-n-butyl phthalate	0.9078	0.9960	1.0008	0.8803 0.9934	0.9101	Ave		0.9481			0.0100	5.7		20.0			
Fluoranthene	0.9436	0.8738 1.0080	0.9714	0.9635 0.9506	0.9418	Ave		0.9504			0.6000	4.3		20.0			
Benzidine	0.4764	0.4528	0.5385	0.4559 0.5404	0.4337	Ave		0.4829			0.0100	9.5		20.0			
Pyrene	1.3927	1.4023 1.5168	1.4264	1.4647 1.3695	1.5315	Ave		1.4434			0.6000	4.3		20.0			
Bisphenol-A	0.2289	0.3467	0.4004	0.1528 0.4121	0.2559	Lin1	-0.340	0.4103				16.2					
Butyl benzyl phthalate	0.4084	0.4681	0.4844	0.3239 0.4704	0.3998	Ave		0.4258			0.0100	14.3		20.0			
2,3,7,8-TCDD		0.2237				Ave		0.2237			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.3649	0.4174	0.4425	0.3130 0.4513	0.3367	Ave		0.3877			0.0100	14.9		20.0			
3,3'-Dichlorobenzidine	0.4523	0.3238 0.5142	0.4823	0.4243 0.4832	0.4351	Ave		0.4450			0.0100	13.9		20.0			
Benzo[a]anthracene	1.2030 1.1475	1.1485 1.2256	1.1843	1.2271 1.1556	1.2067	Ave		1.1873			0.8000	2.8		20.0			
Chrysene	1.1048	1.1279 1.2153	1.1377	1.1951 1.1131	1.1461	Ave		1.1486			0.7000	3.6		20.0			
Bis(2-ethylhexyl) phthalate	0.6602	0.4601 0.7649	0.7798	0.5509 0.7566	0.6693	Ave		0.6631			0.0100	18.1		20.0			
Di-n-octyl phthalate	1.0007	1.0943	1.0857	0.7978 0.9852	0.9883	Ave		0.9920			0.0100	10.8		20.0			
Benzo[b]fluoranthene	1.0425 1.1304	1.0466 1.1545	1.1233	1.1228 1.0564	1.1448	Ave		1.1027			0.7000	4.2		20.0			
Benzo[k]fluoranthene	1.0797 1.1406	0.9995 1.2172	1.1535	1.1470 1.0956	1.2000	Ave		1.1291			0.7000	6.2		20.0			
Benzo[a]pyrene	0.9955 1.0843	0.9846 1.1743	1.1264	1.0571 1.1040	1.0966	Ave		1.0778			0.7000	5.9		20.0			
Indeno[1,2,3-cd]pyrene	0.9027 1.1272	0.9447 1.3746	1.3486	1.0901 1.4166	1.1324	Ave		1.1671			0.5000	16.7		20.0			
Dibenz(a,h)anthracene	0.9920 1.2151	1.0628 1.4109	1.4599	1.2462 1.5297	1.2263	Ave		1.2678			0.4000	14.9		20.0			
Benzo[g,h,i]perylene	1.2415	1.4486	1.5065	1.2370 1.5960	1.2713	Ave		1.3835			0.5000	11.1		20.0			
2-Fluorophenol (Surr)	1.0671	1.1377 1.0334	1.0509	1.0657 1.0242	1.0030	Ave		1.0546			0.0100	4.1		20.0			
Phenol-d5 (Surr)	1.2966 1.2024	1.2889 1.1548	1.1763	1.1990 1.1407	1.0971	Ave		1.1945			0.0100	5.8		20.0			
Nitrobenzene-d5 (Surr)	0.2873 0.2855	0.2832 0.2763	0.2971	0.2646 0.3011	0.2569	Ave		0.2815			0.0100	5.4		20.0			
2-Fluorobiphenyl	1.5576 1.4861	1.5352 1.5841	1.5186	1.4336 1.5096	1.3559	Ave		1.4976			0.0100	4.9		20.0			
2,4,6-Tribromophenol (Surr)	0.2211	0.2098 0.2307	0.2338	0.2206 0.2276	0.2017	Ave		0.2208			0.0100	5.2		20.0			
Terphenyl-d14 (Surr)	1.2369 1.1507	1.2143 1.2152	1.1646	1.1404 1.1297	1.1103	Ave		1.1703			0.0100	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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-889708/10	N41334.d
Level 2	STD02 460-889708/9	N41333.d
Level 3	STD04 460-889708/8	N41332.d
Level 4	STD1 460-889708/7	N41331.d
Level 5	STD2 460-889708/6	N41330.d
Level 6	STD4 460-889708/5	N41329.d
Level 7	ICIS 460-889708/2	N41326.d
Level 8	STD16 460-889708/4	N41328.d
Level 9	STD24 460-889708/3	N41327.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave				26846	68968				1.00	2.00
			99941	273430	382832	549774		4.00	10.0	16.0	24.0	
N-Nitrosodimethylamine	DCBd 4	Ave				38144	97969				1.00	2.00
			144349	405496	567892	816783		4.00	10.0	16.0	24.0	
Pyridine	DCBd 4	Ave	8330	23190		124874	321947	0.200	0.400		2.00	4.00
			473123	1252385	1911860	2733414		8.00	20.0	32.0	48.0	
Benzaldehyde	DCBd 4	Ave		12336	21020	58694	141551		0.200	0.400	1.00	2.00
			180107	+++++	+++++	+++++		3.20	+++++	+++++	+++++	
Phenol	DCBd 4	Ave				86283	212908				1.00	2.00
			301845	836532	1205073	1709472		4.00	10.0	16.0	24.0	
Aniline	DCBd 4	Ave				111953	273293				1.00	2.00
			385664	1041285	1535273	2188775		4.00	10.0	16.0	24.0	
Bis(2-chloroethyl)ether	DCBd 4	Ave	5622	11215		67495	165986	0.100	0.200		1.00	2.00
			237714	637926	937091	1341958		4.00	10.0	16.0	24.0	
2-Chlorophenol	DCBd 4	Ave				84640	208088				1.00	2.00
			293638	800696	1192318	1726279		4.00	10.0	16.0	24.0	

FORM VI
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Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	276290	793903	1112931	78240 1604388	195408	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd 4	Ave	384005	1059277	1588201	108275 2270816	270246	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd 4	Ave	399004	1092266	1624872	109646 2309248	282243	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd 4	Ave	168443	465749	691676	47581 968234	119098	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd 4	Ave	381558	1039049	1537387	105483 2218639	263262	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd 4	Ave	245425	676647	990381	66933 1409907	172653	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	293384	874748	1183087	82902 1689007	209196	4.00	10.0	16.0	1.00 24.0	2.00
N-Methylaniline	DCBd 4	Ave	10091 481502	22465 1245282	1976658	126826 2842213	310262	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd 4	Ave	279224	779124	1157458	76553 1632320	193245	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd 4	Ave	279224	779124	1157458	76553 1632320	193245	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	4373 175717	7827 484118	682556	48527 967340	121684	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd 4	Ave	426857	1148148	1703999	119282 2388765	297344	4.00	10.0	16.0	1.00 24.0	2.00

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Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachloroethane	DCBd 4	Ave	2612 125281	6322 344005	 502475	32922 725676	86746	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Nitrobenzene	DCBd 4	Ave	2024 128502	5017 351370	 546981	32510 767012	88764	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd 4	Ave	10767 460268	22992 1283808	 1890340	118077 2757599	293992	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	 471436	21901 1251055	 1777369	129045 2494479	329037	 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	 123585	 317098	 533897	27648 745249	82361	 4.00	 10.0	 16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	 253208	 678018	 988598	67888 1373958	179403	 4.00	 10.0	 16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin1	 77501	 277876	 508770	13254 634867	46995	 4.00	 10.0	 16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	 288430	 783934	 1131875	80866 1619513	206796	 4.00	 10.0	 16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	 300124	 815401	 1200852	78986 1677096	210188	 4.00	 10.0	 16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	7107 354412	16144 978788	 1370668	93918 1929968	243791	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	21343 898732	45094 2439084	 3570868	246926 5017553	632726	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	8531 361686	18467 984210	 1420804	102901 1990205	254390	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	 293277	 801325	 1190884	84046 1659241	205976	 4.00	 10.0	 16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	4202 199979	9160 535553	 792765	52585 1112672	143654	0.100 4.00	0.200 10.0	 16.0	1.00 24.0	2.00
Caprolactam	NPT	Ave	 43561	2071 58054	4222 61308	13095 74200	33490	 3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
4-Chloro-3-methylphenol	NPT	Ave	 213762	 571703	 805612	56859 1138288	144802	 4.00	 10.0	 16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave		30763		182066	453206		0.200		1.00	2.00

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			648895	1692698	2477242	3504725		4.00	10.0	16.0	24.0	
1-Methylnaphthalene	NPT	Ave	582479	29440 1563486	2266056	166338 3223442	413929	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	225228	631843	930402	62614 1307084	157452	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	338380	892101	1316817	97967 1808744	235131	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	417624	20793 1101590	1615491	111521 2305859	270786	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	212813	9641 580124	858499	57431 1168634	157519	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	236314	611293	920488	63330 1273926	161868	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	832594	2237610	3214960	234332 4447832	597268	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	668625	1775301	2574005	188484 3609901	471938	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	494845	1262084	1907300	134979 2696934	324757	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	137718	360456	562464	33204 776479	89926	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	522581	1405284	2009602	139710 2819355	348824	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	710031	1845735	2669765	199949 3645163	489751	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	214656	557151	818998	55741 1141194	136352	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	130226	4420 340372	530342	28692 726053	87349	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	1030585	2529386	3952685	290596 5461686	737664	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	115991	305266	474104	24825 653599	78338	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	573525	1573649	2339449	167821 3323543	377853	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave				178161	449550				1.00	2.00

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SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			593423	1556215	2212701	3077127		4.00	10.0	16.0	24.0	
2,4-Dinitrophenol	ANT	Lin1				14524	49138				2.00	4.00
			78902	224947	441763	598340		8.00	20.0	32.0	48.0	
4-Nitrophenol	ANT	Ave				26501	81056				2.00	4.00
			131190	354648	572820	775979		8.00	20.0	32.0	48.0	
2,4-Dinitrotoluene	ANT	Lin2		4240		32761	101950		0.200		1.00	2.00
			156457	399024	643262	873231		4.00	10.0	16.0	24.0	
Dibenzofuran	ANT	Ave				268116	665392				1.00	2.00
			927340	2399287	3478938	4778135		4.00	10.0	16.0	24.0	
2,3,4,6-Tetrachlorophenol	ANT	Ave				41108	109828				1.00	2.00
			161585	413073	610585	825847		4.00	10.0	16.0	24.0	
Diethyl phthalate	ANT	Ave				186020	456952				1.00	2.00
			654202	1646999	2380596	3291763		4.00	10.0	16.0	24.0	
Fluorene	ANT	Ave				202674	522952				1.00	2.00
			724953	1894384	2730965	3771625		4.00	10.0	16.0	24.0	
4-Chlorophenyl phenyl ether	ANT	Ave				99817	244727				1.00	2.00
			349643	913649	1297548	1781902		4.00	10.0	16.0	24.0	
4-Nitroaniline	ANT	Ave				26033	71704				1.00	2.00
			110134	296474	468401	627165		4.00	10.0	16.0	24.0	
4,6-Dinitro-2-methylphenol	PHN	Lin1				22845	77591				2.00	4.00
			117978	325792	580908	801139		8.00	20.0	32.0	48.0	
N-Nitrosodiphenylamine	PHN	Ave				143313	358484				1.00	2.00
			506150	1276673	1847769	2535439		4.00	10.0	16.0	24.0	
1,2-Diphenylhydrazine	PHN	Ave				137766	343470				1.00	2.00
			491855	1281031	1803947	2516281		4.00	10.0	16.0	24.0	
Azobenzene	PHN	Ave				137766	343211				1.00	2.00
			491898	1281581	1804701	2516281		4.00	10.0	16.0	24.0	
4-Bromophenyl phenyl ether	PHN	Ave				54880	139431				1.00	2.00
			198804	499576	725363	991972		4.00	10.0	16.0	24.0	
Hexachlorobenzene	PHN	Ave	6324	14764		79391	191256	0.100	0.200		1.00	2.00
			270421	678013	979018	1340936		4.00	10.0	16.0	24.0	
Atrazine	PHN	Ave		8242	16620	46435	117991		0.200	0.400	1.00	2.00
			144862	189951	210268	239193		3.20	4.00	4.80	6.40	
Pentachlorophenol	PHN	Ave				64774	158460				2.00	4.00
			250379	677834	1035104	1419807		8.00	20.0	32.0	48.0	
Pentachloronitrobenzene	PHN	Ave				17685	49729				1.00	2.00

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			78440	205280	319001	447206		4.00	10.0	16.0	24.0	
n-Octadecane	PHN	Ave	258488	704243	972508	70500 1372109	182056	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	1026181	2580724	3735748	288248 5015351	717342	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	1040486	2654511	3790765	292862 5198959	726355	4.00	10.0	16.0	1.00 24.0	2.00
Carbazole	PHN	Ave	870379	2195146	3266847	240847 4365064	607521	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	929781	2411379	3610907	246422 4952041	636186	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	966476	45215 2440534	3504898	269720 4738907	658322	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	487907	1096195	1942870	127632 2693933	303174	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	958515	47468 2455663	3591553	267877 4927600	677286	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Lin1	157530	561346	1008165	27936 1482677	113157	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	281116	757828	1219757	59232 1692371	176798	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		3621					0.100			
Carbamazepine	CRY	Ave	251158	675830	1114162	57239 1623990	148907	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	311309	10961 832537	1214469	77596 1738583	192393	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	19111 789814	38875 1984254	2982001	224415 4157836	533621	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	760421	38178 1967577	2864737	218565 4005002	506836	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	454357	15573 1238432	1963397	100743 2722457	295972	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	679558	1931865	2998951	145023 4296236	428274	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	16642	35576		204098	496107	0.100	0.200		1.00	2.00

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			767688	2038159	3102919	4606602		4.00	10.0	16.0	24.0	
Benzo[k]fluoranthene	PRY	Ave	17236 774575	33977 2148901	3186255	208483 4777354	520028	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	15892 736362	33469 2073165	3111323	192145 4814037	475203	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	14410 765481	32114 2426800	3725282	198142 6177211	490729	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	15836 825167	36126 2490728	4032620	226524 6670541	531413	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	843149	2557321	4161454	224854 6959663	550933	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd 4	Ave	285397	14884 743270	1084738	74625 1562131	180837	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Phenol-d5 (Surr)	DCBd 4	Ave	8134 321599	16862 830623	1214219	83961 1739896	197801	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	6133 265666	12972 679813	1064432	66277 1511315	162233	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	21732 888176	45905 2255712	3286491	232478 4620158	555153	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	132111	6273 328529	506086	35767 696711	82582	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	19650 792006	41102 1967419	2932289	208555 4064775	490991	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 889708

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 09:46 Calibration End Date: 01/25/2023 12:34 Calibration ID: 92240

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-889708/10	N41334.d
Level 2	STD02 460-889708/9	N41333.d
Level 3	STD04 460-889708/8	N41332.d
Level 4	STD1 460-889708/7	N41331.d
Level 5	STD2 460-889708/6	N41330.d
Level 6	STD4 460-889708/5	N41329.d
Level 7	ICIS 460-889708/2	N41326.d
Level 8	STD16 460-889708/4	N41328.d
Level 9	STD24 460-889708/3	N41327.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzoic acid				19.9						30		
2,4-Dinitrophenol				19.8						30		
2,4-Dinitrotoluene		3.4						30				
4,6-Dinitro-2-methylphenol				14.4						30		
Bisphenol-A				20.2						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41326.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 25-Jan-2023 09:46:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-002
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:54:34 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 10:25:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.875	1.875	0.000	94	273430	10.0	10.1	
	2 N-Nitrosodimethylamine	74	2.083	2.083	0.000	78	405496	10.0	10.3	
	3 Pyridine	79	2.118	2.118	0.000	91	1252385	20.0	20.2	
$	4 2-Fluorophenol	112	3.176	3.176	0.000	95	743270	10.0	9.80	
	5 Benzaldehyde	77	4.017	4.017	0.000	93	127767	4.00	2.10	
$	6 Phenol-d5	99	4.059	4.059	0.000	97	830623	10.0	9.67	
	7 Phenol	94	4.072	4.072	0.000	99	836532	10.0	9.98	
	8 Aniline	93	4.120	4.120	0.000	99	1041285	10.0	9.73	
	9 Bis(2-chloroethyl)ether	93	4.180	4.180	0.000	97	637926	10.0	9.85	
	10 Benzonitrile	103	4.203	4.203	0.000	98	1468423	NC	NC	
	11 2-Chlorophenol	128	4.235	4.235	0.000	96	800696	10.0	9.74	
	12 n-Decane	43	4.283	4.283	0.000	94	793903	10.0	10.2	
	13 1,3-Dichlorobenzene	146	4.388	4.388	0.000	98	1059277	10.0	9.84	
*	14 1,4-Dichlorobenzene-d4	152	4.443	4.443	0.000	93	575422	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.462	4.462	0.000	96	1092266	10.0	9.87	
	16 Benzyl alcohol	108	4.571	4.571	0.000	94	465749	10.0	9.91	
	17 1,2-Dichlorobenzene	146	4.606	4.606	0.000	98	1039049	10.0	9.87	
	18 2-Methylphenol	108	4.670	4.670	0.000	87	676647	10.0	9.98	
	19 2,2'-oxybis[1-chloropropane]	45	4.708	4.708	0.000	93	874748	10.0	10.6	
	24 4-Methylphenol	108	4.827	4.827	0.000	84	779124	10.0	10.0	
	23 3 & 4 Methylphenol	108	4.827	4.827	0.000	97	779124	10.0	10.0	
	20 N-Methylaniline	106	4.827	4.827	0.000	78	1245282	10.0	9.78	
	22 N-Nitrosodi-n-propylamine	70	4.836	4.836	0.000	93	484118	10.0	10.2	
	21 Acetophenone	105	4.836	4.836	0.000	91	1148148	10.0	9.81	
	25 Hexachloroethane	117	4.942	4.942	0.000	85	344005	10.0	10.2	
$	27 Nitrobenzene-d5	82	4.984	4.984	0.000	88	679813	10.0	9.82	
	28 Nitrobenzene	123	5.003	5.003	0.000	91	351370	10.0	10.7	
	29 n,n'-Dimethylaniline	120	5.006	5.006	0.000	93	1283808	10.0	10.2	
	30 Isophorone	82	5.236	5.236	0.000	98	1251055	10.0	10.1	
	32 2-Nitrophenol	139	5.313	5.313	0.000	94	317098	10.0	9.67	
	33 2,4-Dimethylphenol	122	5.348	5.348	0.000	90	678018	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.441	5.441	0.000	92	277876	10.0	9.26	
34 Bis(2-chloroethoxy)methane	93	5.451	5.451	0.000	98	783934	10.0	9.97	
36 2,4-Dichlorophenol	162	5.544	5.544	0.000	94	815401	10.0	10.1	
37 1,2,4-Trichlorobenzene	180	5.633	5.633	0.000	93	978788	10.0	10.6	
* 38 Naphthalene-d8	136	5.691	5.691	0.000	98	1968146	8.00	8.00	
39 Naphthalene	128	5.713	5.713	0.000	98	2439084	10.0	10.0	
40 4-Chloroaniline	127	5.761	5.761	0.000	97	984210	10.0	10.0	
130 2,6-Dichlorophenol	162	5.768	5.768	0.000	97	801325	10.0	9.94	
41 Hexachlorobutadiene	225	5.835	5.835	0.000	96	535553	10.0	10.2	
42 Caprolactam	113	6.094	6.094	0.000	91	58054	4.00	4.42	M
43 4-Chloro-3-methylphenol	107	6.232	6.232	0.000	94	571703	10.0	10.2	
44 2-Methylnaphthalene	142	6.389	6.389	0.000	83	1692698	10.0	9.85	
45 1-Methylnaphthalene	142	6.485	6.485	0.000	92	1563486	10.0	9.89	
46 Hexachlorocyclopentadiene	237	6.545	6.545	0.000	97	631843	10.0	10.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.552	6.552	0.000	98	892101	10.0	10.5	
48 2-tertbutyl-4-methylphenol	149	6.581	6.581	0.000	93	1101590	10.0	10.0	
49 2,4,6-Trichlorophenol	196	6.661	6.661	0.000	94	580124	10.0	11.0	
50 2,4,5-Trichlorophenol	196	6.693	6.693	0.000	97	611293	10.0	10.5	
$ 51 2-Fluorobiphenyl	172	6.751	6.751	0.000	97	2255712	10.0	10.6	
52 1,1'-Biphenyl	154	6.847	6.847	0.000	94	2237610	10.0	10.7	
53 2-Chloronaphthalene	162	6.866	6.866	0.000	98	1775301	10.0	10.6	
54 Phenyl ether	170	6.952	6.952	0.000	86	1262084	10.0	10.4	
55 2-Nitroaniline	65	6.962	6.962	0.000	95	360456	10.0	10.7	
57 1,3-Dimethylnaphthalene	156	7.077	7.077	0.000	93	1405284	10.0	10.9	
59 Dimethyl phthalate	163	7.148	7.148	0.000	99	1845735	10.0	10.6	
60 Coumarin	146	7.167	7.167	0.000	81	557151	10.0	10.1	
61 2,6-Dinitrotoluene	165	7.202	7.202	0.000	94	340372	10.0	11.3	
62 Acenaphthylene	152	7.270	7.270	0.000	97	2529386	10.0	9.96	
63 3-Nitroaniline	138	7.359	7.359	0.000	97	305266	10.0	10.8	
* 64 Acenaphthene-d10	164	7.407	7.407	0.000	93	1139188	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.426	7.426	0.000	96	1573649	10.0	10.7	
66 Acenaphthene	154	7.436	7.436	0.000	95	1556215	10.0	10.4	
67 2,4-Dinitrophenol	184	7.462	7.462	0.000	93	224947	20.0	17.5	
68 4-Nitrophenol	65	7.513	7.513	0.000	88	354648	20.0	22.2	
69 2,4-Dinitrotoluene	165	7.587	7.587	0.000	97	399024	10.0	10.4	
70 Dibenzofuran	168	7.606	7.606	0.000	97	2399287	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.718	7.718	0.000	95	413073	10.0	10.7	
73 Diethyl phthalate	149	7.837	7.837	0.000	98	1646999	10.0	10.4	
75 Fluorene	166	7.936	7.936	0.000	92	1894384	10.0	10.6	
74 4-Chlorophenyl phenyl ether	204	7.939	7.939	0.000	90	913649	10.0	10.6	
76 4-Nitroaniline	138	7.952	7.952	0.000	86	296474	10.0	10.9	
77 4,6-Dinitro-2-methylphenol	198	7.981	7.981	0.000	91	325792	20.0	18.0	
78 N-Nitrosodiphenylamine	169	8.051	8.051	0.000	95	1276673	10.0	10.3	
79 1,2-Diphenylhydrazine	77	8.093	8.093	0.000	95	1281031	10.0	10.6	
131 Azobenzene	77	8.093	8.093	0.000	0	1281581	10.0	10.6	
$ 80 2,4,6-Tribromophenol	330	8.167	8.167	0.000	91	328529	10.0	10.5	
81 4-Bromophenyl phenyl ether	248	8.413	8.413	0.000	95	499576	10.0	10.4	
82 Hexachlorobenzene	284	8.465	8.465	0.000	94	678013	10.0	10.2	
83 Atrazine	200	8.570	8.570	0.000	93	189951	4.00	4.48	
84 Pentachlorophenol	266	8.654	8.654	0.000	93	677834	20.0	21.6	
85 Pentachloronitrobenzene	237	8.670	8.670	0.000	89	205280	10.0	10.7	
86 n-Octadecane	57	8.750	8.750	0.000	95	704243	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.843	8.843	0.000	97	1936944	8.00	8.00	
88 Phenanthrene	178	8.865	8.865	0.000	96	2580724	10.0	10.4	
89 Anthracene	178	8.917	8.917	0.000	99	2654511	10.0	10.5	
90 Carbazole	167	9.071	9.071	0.000	96	2195146	10.0	10.3	
91 Di-n-butyl phthalate	149	9.416	9.416	0.000	99	2411379	10.0	10.5	
92 Fluoranthene	202	10.015	10.015	0.000	98	2440534	10.0	10.6	
93 Benzidine	184	10.146	10.146	0.000	99	1096195	10.0	9.37	
94 Pyrene	202	10.236	10.236	0.000	98	2455663	10.0	10.5	
95 Bisphenol-A	213	10.287	10.287	0.000	97	561346	10.0	9.28	
$ 96 Terphenyl-d14	244	10.400	10.400	0.000	98	1967419	10.0	10.4	
97 Butyl benzyl phthalate	149	10.931	10.931	0.000	94	757828	10.0	11.0	
98 2,3,7,8-TCDD	320	11.015	11.015	0.000	92	3621	0.1000	0.1000	
99 Carbamazepine	193	11.040	11.040	0.000	92	675830	10.0	10.8	
100 3,3'-Dichlorobenzidine	252	11.537	11.537	0.000	98	832537	10.0	11.6	
101 Benzo[a]anthracene	228	11.560	11.560	0.000	97	1984254	10.0	10.3	
* 102 Chrysene-d12	240	11.572	11.572	0.000	99	1295179	8.00	8.00	
104 Chrysene	228	11.605	11.605	0.000	98	1967577	10.0	10.6	
103 Bis(2-ethylhexyl) phthalate	149	11.627	11.627	0.000	84	1238432	10.0	11.5	
105 Di-n-octyl phthalate	149	12.486	12.486	0.000	96	1931865	10.0	11.0	
106 Benzo[b]fluoranthene	252	12.950	12.950	0.000	97	2038159	10.0	10.5	
107 Benzo[k]fluoranthene	252	12.989	12.989	0.000	97	2148901	10.0	10.8	
108 Benzo[a]pyrene	252	13.386	13.386	0.000	98	2073165	10.0	10.9	
* 109 Perylene-d12	264	13.460	13.460	0.000	100	1412327	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.986	14.986	0.000	97	2426800	10.0	11.8	
111 Dibenz(a,h)anthracene	278	15.031	15.031	0.000	99	2490728	10.0	11.1	
112 Benzo[g,h,i]perylene	276	15.422	15.422	0.000	97	2557321	10.0	10.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNAL7_LVI_00007 Amount Added: 1.00 Units: mL

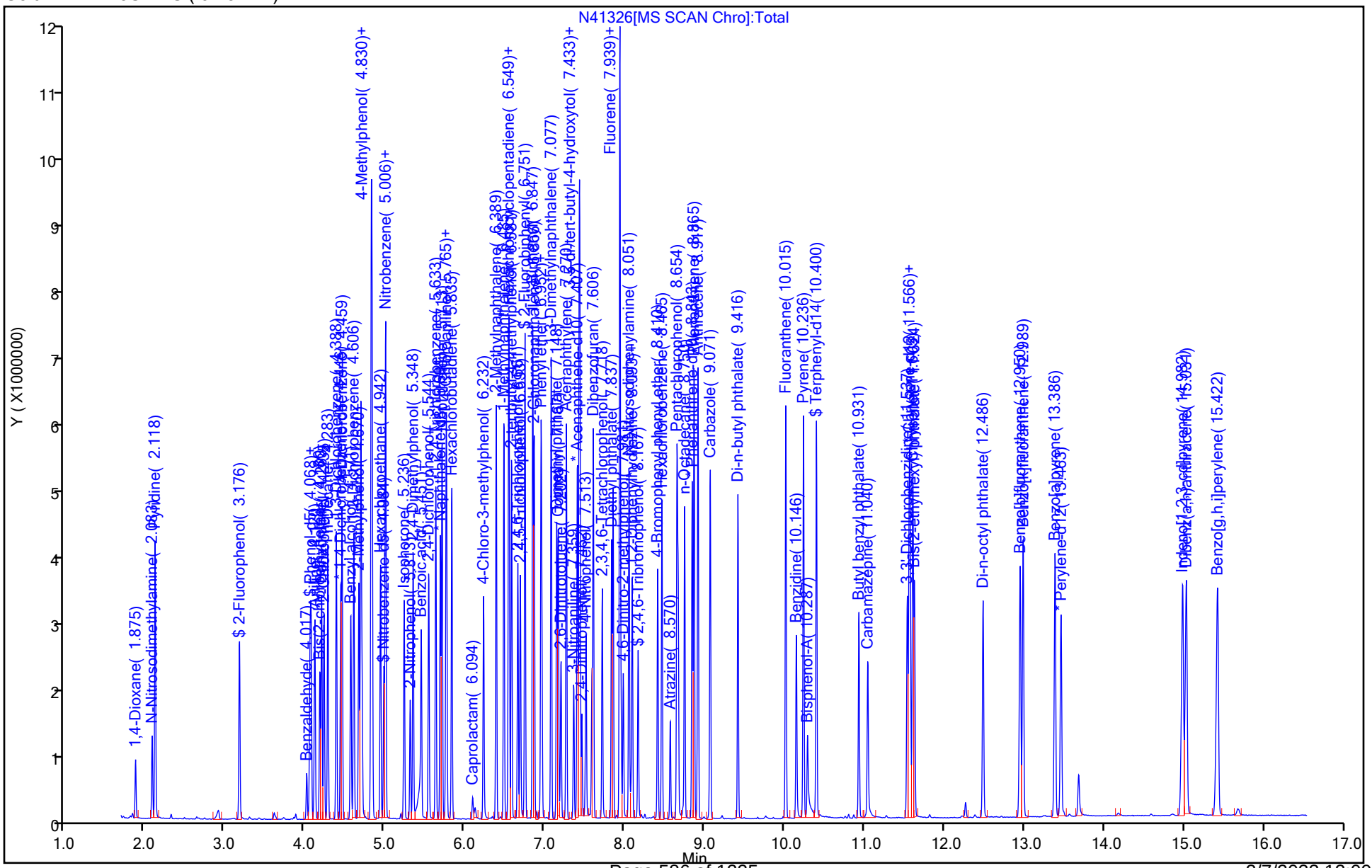
Report Date: 25-Jan-2023 13:54:36 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41326.d

Injection Date:	25-Jan-2023 09:46:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

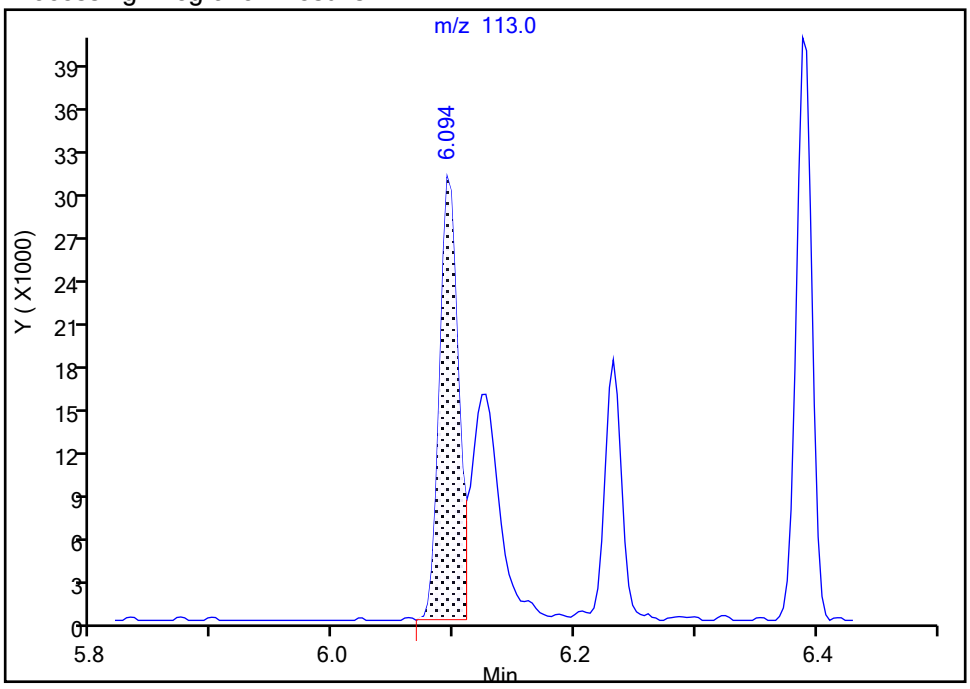
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41326.d
Injection Date: 25-Jan-2023 09:46:30 Instrument ID: CBNAMS14
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

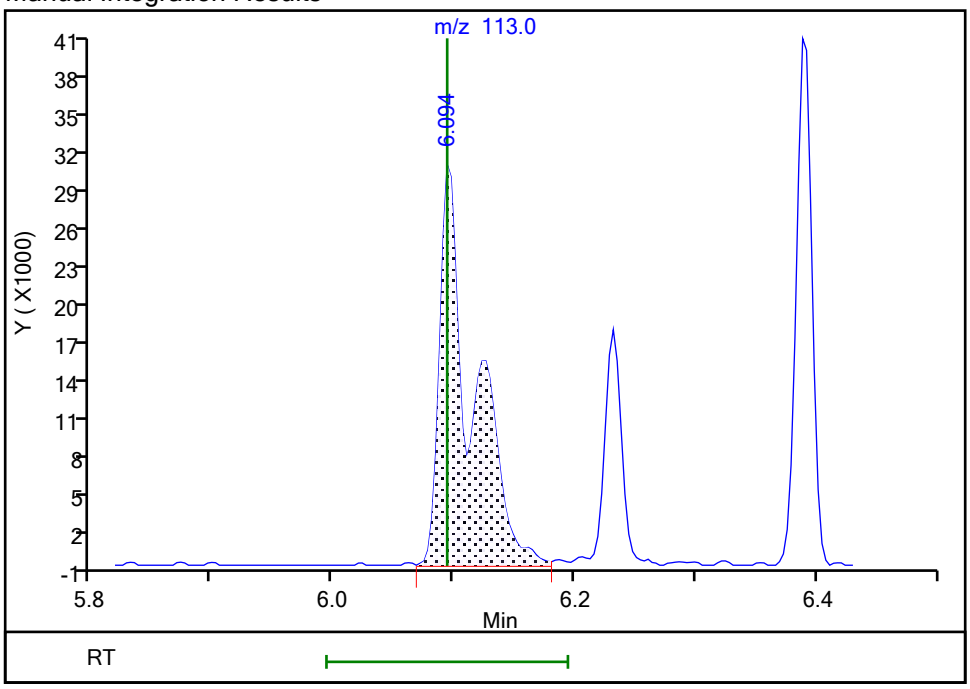
Processing Integration Results

RT: 6.09
Area: 33517
Amount: 4.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 58054
Amount: 4.416248
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 10:24:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41327.d
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 25-Jan-2023 10:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-003
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:54:39 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 10:31:25

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.875	1.875	0.000	94	549774	24.0	23.1	
	2 N-Nitrosodimethylamine	74	2.089	2.083	0.006	77	816783	24.0	23.5	
	3 Pyridine	79	2.124	2.118	0.006	92	2733414	48.0	49.8	
$	4 2-Fluorophenol	112	3.180	3.176	0.004	95	1562131	24.0	23.3	
	5 Benzaldehyde	77	4.021	4.017	0.003	92	240941	6.40	4.48	
$	6 Phenol-d5	99	4.068	4.059	0.009	97	1739896	24.0	22.9	
	7 Phenol	94	4.081	4.072	0.009	98	1709472	24.0	23.1	
	8 Aniline	93	4.123	4.120	0.003	98	2188775	24.0	23.1	
	9 Bis(2-chloroethyl)ether	93	4.190	4.180	0.010	97	1341958	24.0	23.5	
	10 Benzonitrile	103	4.216	4.203	0.013	97	3122860	NC	NC	
	11 2-Chlorophenol	128	4.238	4.235	0.003	97	1726279	24.0	23.8	
	12 n-Decane	43	4.286	4.283	0.003	93	1604388	24.0	23.4	
	13 1,3-Dichlorobenzene	146	4.392	4.388	0.004	98	2270816	24.0	23.9	
*	14 1,4-Dichlorobenzene-d4	152	4.446	4.443	0.003	93	508426	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.462	4.462	0.000	96	2309248	24.0	23.6	
	16 Benzyl alcohol	108	4.577	4.571	0.006	94	968234	24.0	23.3	
	17 1,2-Dichlorobenzene	146	4.609	4.606	0.003	98	2218639	24.0	23.9	
	18 2-Methylphenol	108	4.677	4.670	0.007	88	1409907	24.0	23.5	
	19 2,2'-oxybis[1-chloropropane]	45	4.712	4.708	0.004	93	1689007	24.0	23.1	
	24 4-Methylphenol	108	4.837	4.827	0.010	83	1632320	24.0	23.8	
	23 3 & 4 Methylphenol	108	4.837	4.827	0.010	92	1632320	24.0	23.8	
	20 N-Methylaniline	106	4.830	4.827	0.003	91	2842213	24.0	25.3	a
	22 N-Nitrosodi-n-propylamine	70	4.846	4.836	0.010	93	967340	24.0	23.0	
	21 Acetophenone	105	4.843	4.836	0.007	94	2388765	24.0	23.1	
	25 Hexachloroethane	117	4.942	4.942	0.000	86	725676	24.0	24.3	
$	27 Nitrobenzene-d5	82	4.990	4.984	0.006	87	1511315	24.0	25.7	
	28 Nitrobenzene	123	5.013	5.003	0.010	90	767012	24.0	26.3	
	29 n,n'-Dimethylaniline	120	5.013	5.006	0.007	90	2757599	24.0	24.9	
	30 Isophorone	82	5.246	5.236	0.010	98	2494479	24.0	23.7	
	32 2-Nitrophenol	139	5.317	5.313	0.004	94	745249	24.0	26.7	
	33 2,4-Dimethylphenol	122	5.355	5.348	0.007	90	1373958	24.0	23.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.483	5.441	0.042	91	634867	24.0	23.5	
34 Bis(2-chloroethoxy)methane	93	5.458	5.451	0.007	97	1619513	24.0	24.2	
36 2,4-Dichlorophenol	162	5.550	5.544	0.006	94	1677096	24.0	24.4	
37 1,2,4-Trichlorobenzene	180	5.637	5.633	0.004	94	1929968	24.0	24.7	
* 38 Naphthalene-d8	136	5.695	5.691	0.004	99	1672978	8.00	8.00	
39 Naphthalene	128	5.717	5.713	0.004	99	5017553	24.0	24.2	
40 4-Chloroaniline	127	5.768	5.761	0.007	97	1990205	24.0	23.8	
130 2,6-Dichlorophenol	162	5.775	5.768	0.007	96	1659241	24.0	24.2	
41 Hexachlorobutadiene	225	5.836	5.835	0.001	97	1112672	24.0	24.9	
42 Caprolactam	113	6.124	6.094	0.030	91	74200	6.40	6.64	M
43 4-Chloro-3-methylphenol	107	6.236	6.232	0.004	93	1138288	24.0	23.8	
44 2-Methylnaphthalene	142	6.392	6.389	0.003	83	3504725	24.0	24.0	
45 1-Methylnaphthalene	142	6.489	6.485	0.004	91	3223442	24.0	24.0	
46 Hexachlorocyclopentadiene	237	6.546	6.545	0.001	98	1307084	24.0	25.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.556	6.552	0.004	98	1808744	24.0	23.8	
48 2-tertbutyl-4-methylphenol	149	6.585	6.581	0.004	93	2305859	24.0	24.6	
49 2,4,6-Trichlorophenol	196	6.665	6.661	0.004	94	1168634	24.0	24.6	
50 2,4,5-Trichlorophenol	196	6.694	6.693	0.001	97	1273926	24.0	24.4	
$ 51 2-Fluorobiphenyl	172	6.755	6.751	0.004	97	4620158	24.0	24.2	
52 1,1'-Biphenyl	154	6.851	6.847	0.004	94	4447832	24.0	23.8	
53 2-Chloronaphthalene	162	6.870	6.866	0.004	98	3609901	24.0	24.1	
54 Phenyl ether	170	6.953	6.952	0.001	85	2696934	24.0	24.9	
55 2-Nitroaniline	65	6.969	6.962	0.007	95	776479	24.0	25.7	
57 1,3-Dimethylnaphthalene	156	7.081	7.077	0.004	93	2819355	24.0	24.5	
59 Dimethyl phthalate	163	7.155	7.148	0.007	98	3645163	24.0	23.4	
60 Coumarin	146	7.171	7.167	0.004	81	1141194	24.0	24.2	
61 2,6-Dinitrotoluene	165	7.206	7.202	0.004	92	726053	24.0	27.0	
62 Acenaphthylene	152	7.274	7.270	0.004	97	5461686	24.0	24.0	
63 3-Nitroaniline	138	7.367	7.359	0.008	96	653599	24.0	25.9	
* 64 Acenaphthene-d10	164	7.408	7.407	0.001	96	1020164	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.431	7.426	0.005	96	3323543	24.0	25.3	
66 Acenaphthene	154	7.440	7.436	0.004	95	3077127	24.0	22.9	
67 2,4-Dinitrophenol	184	7.469	7.462	0.007	92	598340	48.0	48.9	
68 4-Nitrophenol	65	7.524	7.513	0.011	88	775979	48.0	54.2	
69 2,4-Dinitrotoluene	165	7.594	7.587	0.007	97	873231	24.0	25.2	
70 Dibenzofuran	168	7.610	7.606	0.004	97	4778135	24.0	23.2	
72 2,3,4,6-Tetrachlorophenol	232	7.722	7.718	0.004	94	825847	24.0	23.8	
73 Diethyl phthalate	149	7.841	7.837	0.004	98	3291763	24.0	23.2	
75 Fluorene	166	7.940	7.936	0.004	94	3771625	24.0	23.5	
74 4-Chlorophenyl phenyl ether	204	7.940	7.939	0.001	90	1781902	24.0	23.1	
76 4-Nitroaniline	138	7.966	7.952	0.014	87	627165	24.0	25.7	
77 4,6-Dinitro-2-methylphenol	198	7.989	7.981	0.008	93	801139	48.0	49.3	
78 N-Nitrosodiphenylamine	169	8.059	8.051	0.008	95	2535439	24.0	23.9	
79 1,2-Diphenylhydrazine	77	8.098	8.093	0.005	95	2516281	24.0	24.2	
131 Azobenzene	77	8.098	8.093	0.005	0	2516281	24.0	24.2	
$ 80 2,4,6-Tribromophenol	330	8.171	8.167	0.004	90	696711	24.0	24.7	
81 4-Bromophenyl phenyl ether	248	8.415	8.413	0.002	95	991972	24.0	24.0	
82 Hexachlorobenzene	284	8.466	8.465	0.001	94	1340936	24.0	23.6	
83 Atrazine	200	8.572	8.570	0.002	93	239193	6.40	6.57	
84 Pentachlorophenol	266	8.659	8.654	0.005	93	1419807	48.0	52.8	
85 Pentachloronitrobenzene	237	8.672	8.670	0.002	91	447206	24.0	27.3	
86 n-Octadecane	57	8.752	8.750	0.002	95	1372109	24.0	24.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.845	8.843	0.002	97	1661720	8.00	8.00	
88 Phenanthrene	178	8.871	8.865	0.005	96	5015351	24.0	23.5	
89 Anthracene	178	8.919	8.917	0.002	99	5198959	24.0	23.9	
90 Carbazole	167	9.072	9.071	0.001	96	4365064	24.0	23.9	
91 Di-n-butyl phthalate	149	9.418	9.416	0.002	99	4952041	24.0	25.1	
92 Fluoranthene	202	10.017	10.015	0.002	98	4738907	24.0	24.0	
93 Benzidine	184	10.152	10.146	0.006	99	2693933	24.0	26.9	
94 Pyrene	202	10.241	10.236	0.005	98	4927600	24.0	22.8	
95 Bisphenol-A	213	10.290	10.287	0.003	97	1482677	24.0	24.9	
$ 96 Terphenyl-d14	244	10.402	10.400	0.002	98	4064775	24.0	23.2	
97 Butyl benzyl phthalate	149	10.934	10.931	0.003	94	1692371	24.0	26.5	
99 Carbamazepine	193	11.049	11.040	0.009	92	1623990	24.0	27.9	
100 3,3'-Dichlorobenzidine	252	11.540	11.537	0.003	98	1738583	24.0	26.1	
101 Benzo[a]anthracene	228	11.565	11.560	0.005	97	4157836	24.0	23.4	
* 102 Chrysene-d12	240	11.578	11.572	0.006	98	1199366	8.00	8.00	
104 Chrysene	228	11.610	11.605	0.005	98	4005002	24.0	23.3	
103 Bis(2-ethylhexyl) phthalate	149	11.626	11.627	-0.001	83	2722457	24.0	27.4	
105 Di-n-octyl phthalate	149	12.488	12.486	0.002	96	4296236	24.0	23.8	
106 Benzo[b]fluoranthene	252	12.956	12.950	0.006	97	4606602	24.0	23.0	
107 Benzo[k]fluoranthene	252	12.995	12.989	0.006	97	4777354	24.0	23.3	
108 Benzo[a]pyrene	252	13.396	13.386	0.010	98	4814037	24.0	24.6	
* 109 Perylene-d12	264	13.463	13.460	0.003	100	1453542	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.002	14.986	0.016	97	6177211	24.0	29.1	
111 Dibenz(a,h)anthracene	278	15.050	15.031	0.019	98	6670541	24.0	29.0	
112 Benzo[g,h,i]perylene	276	15.444	15.422	0.022	97	6959663	24.0	27.7	
S 119 Total Cresols	1				0			47.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00005 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:54:41 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41327.d

Injection Date: 25-Jan-2023 10:07:30 Instrument ID: CBNAMS14 Operator ID:

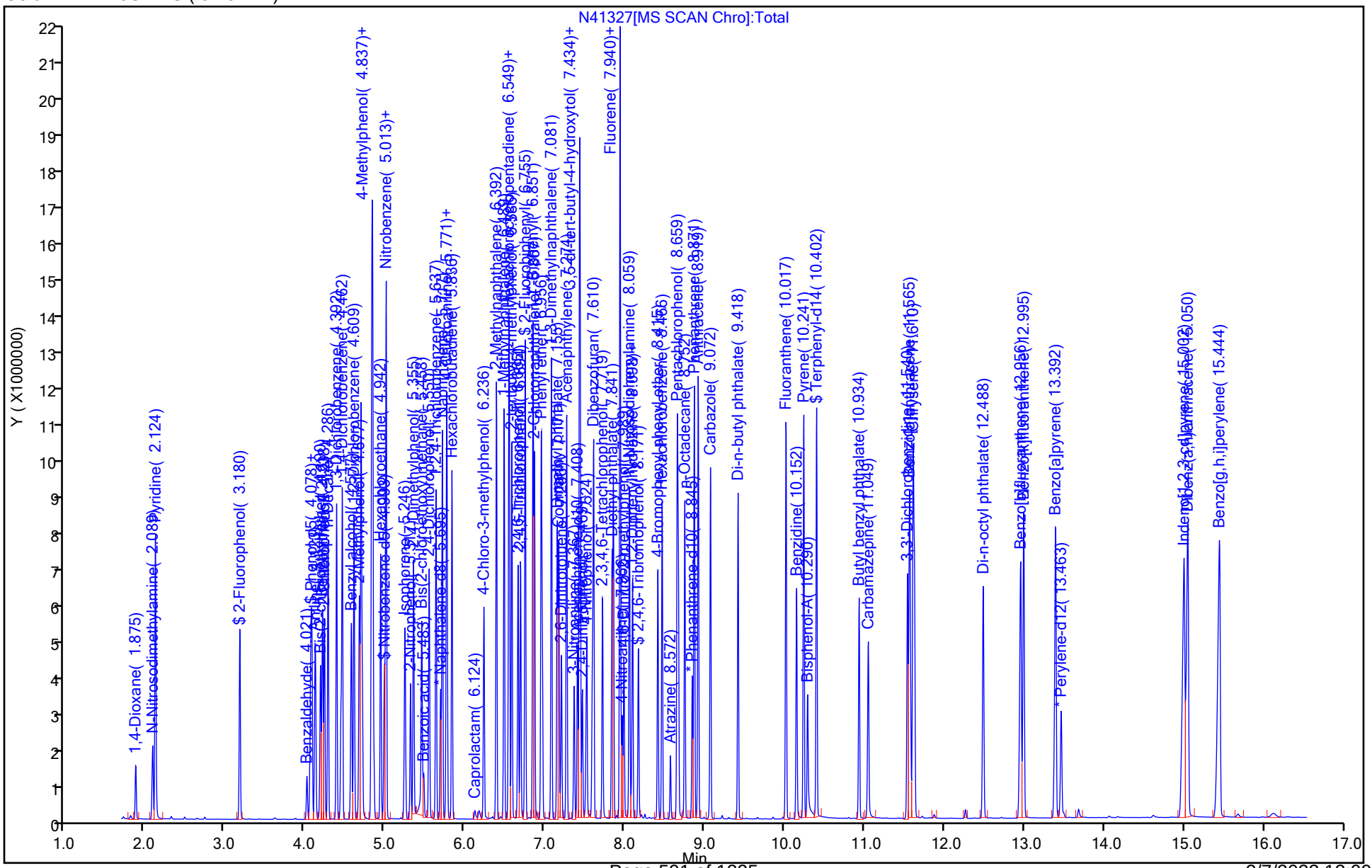
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

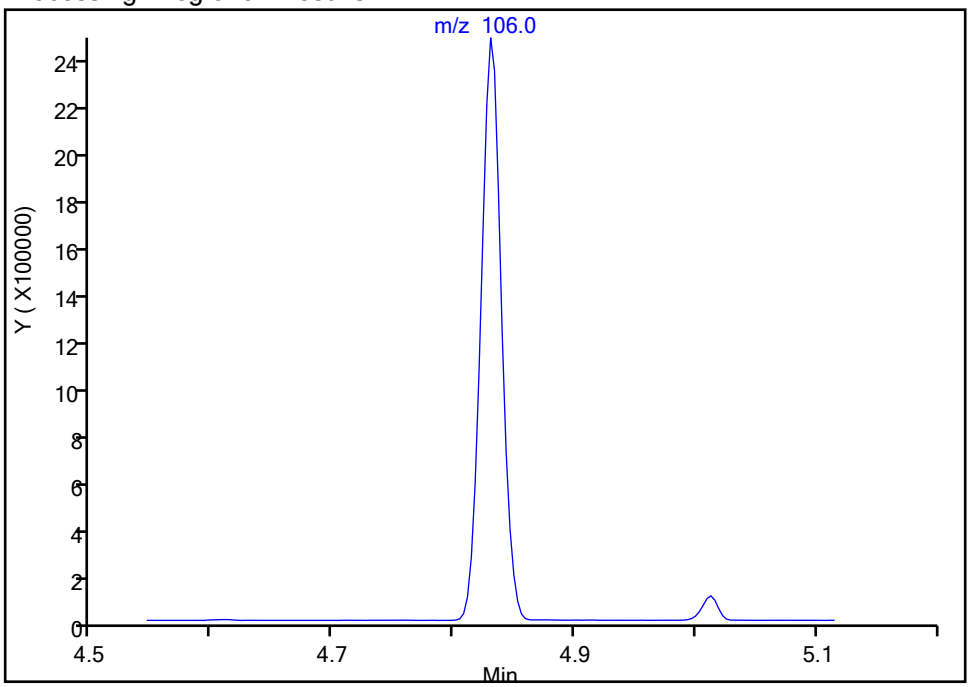
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41327.d
Injection Date: 25-Jan-2023 10:07:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

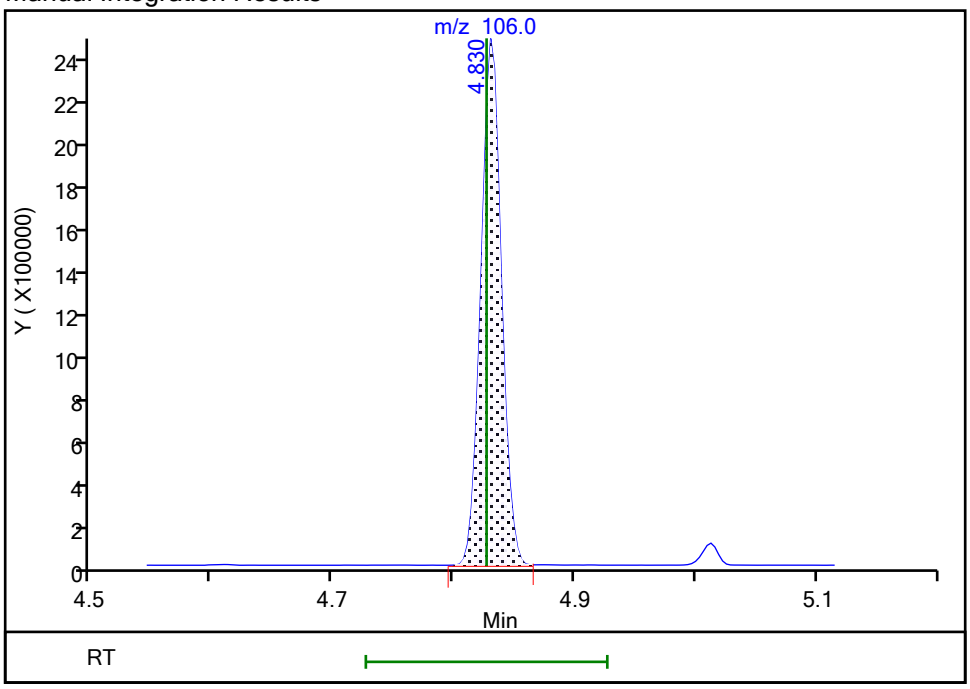
Not Detected
Expected RT: 4.83

Processing Integration Results



Manual Integration Results

RT: 4.83
Area: 2842213
Amount: 25.252577
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 10:30:50
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

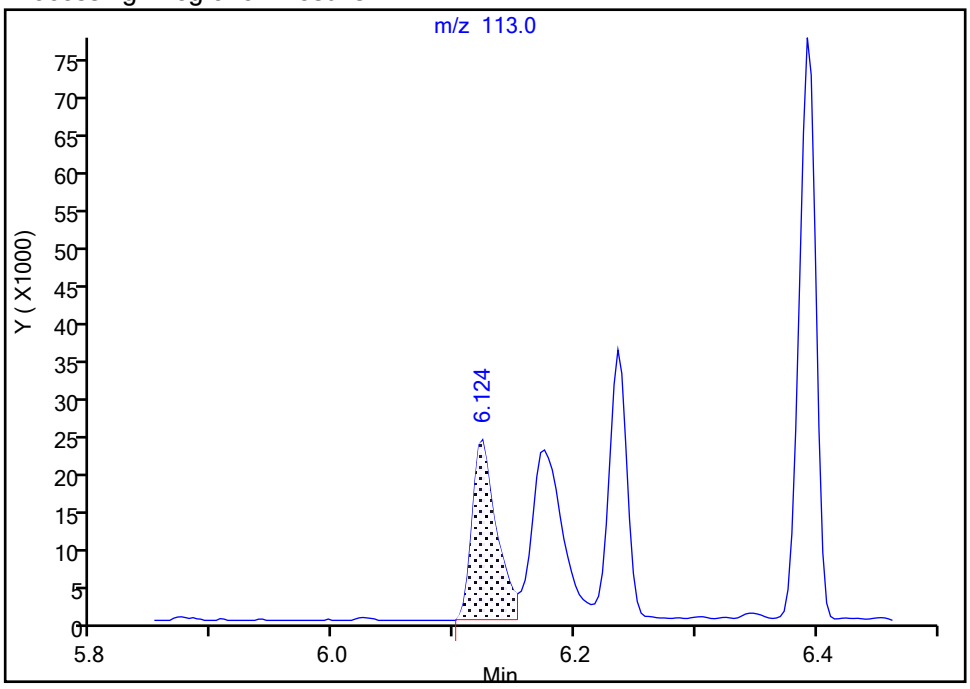
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41327.d
Injection Date: 25-Jan-2023 10:07:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

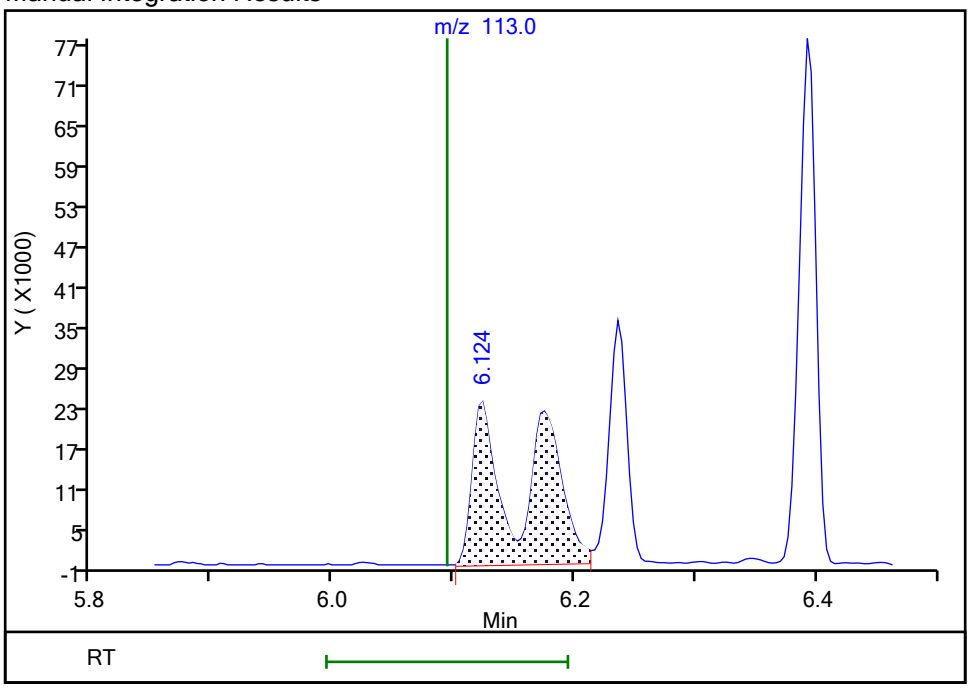
Processing Integration Results

RT: 6.12
Area: 33888
Amount: 6.400000
Amount Units: ug/ml



Manual Integration Results

RT: 6.12
Area: 74200
Amount: 6.640371
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 10:30:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41328.d
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jan-2023 10:28:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-004
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:54:44 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 10:57:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.881	1.875	0.006	93	382832	16.0	15.8	
	2 N-Nitrosodimethylamine	74	2.089	2.083	0.006	78	567892	16.0	16.1	
	3 Pyridine	79	2.124	2.118	0.006	92	1911860	32.0	34.3	
$	4 2-Fluorophenol	112	3.180	3.176	0.004	95	1084738	16.0	15.9	
	5 Benzaldehyde	77	4.020	4.017	0.003	92	220308	4.80	4.04	
$	6 Phenol-d5	99	4.065	4.059	0.006	97	1214219	16.0	15.8	
	7 Phenol	94	4.078	4.072	0.006	98	1205073	16.0	16.0	
	8 Aniline	93	4.123	4.120	0.003	98	1535273	16.0	16.0	
	9 Bis(2-chloroethyl)ether	93	4.187	4.180	0.007	98	937091	16.0	16.1	
	10 Benzonitrile	103	4.209	4.203	0.006	97	2130039	NC	NC	
	11 2-Chlorophenol	128	4.238	4.235	0.003	96	1192318	16.0	16.2	
	12 n-Decane	43	4.283	4.283	0.000	93	1112931	16.0	16.0	
	13 1,3-Dichlorobenzene	146	4.391	4.388	0.003	98	1588201	16.0	16.4	
*	14 1,4-Dichlorobenzene-d4	152	4.446	4.443	0.003	93	516099	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.462	4.462	0.000	96	1624872	16.0	16.4	
	16 Benzyl alcohol	108	4.574	4.571	0.003	94	691676	16.0	16.4	
	17 1,2-Dichlorobenzene	146	4.609	4.606	0.003	98	1537387	16.0	16.3	
	18 2-Methylphenol	108	4.673	4.670	0.003	88	990381	16.0	16.3	
	19 2,2'-oxybis[1-chloropropane]	45	4.708	4.708	0.000	91	1183087	16.0	15.9	
	24 4-Methylphenol	108	4.830	4.827	0.003	82	1157458	16.0	16.6	
	23 3 & 4 Methylphenol	108	4.830	4.827	0.003	96	1157458	16.0	16.6	
	20 N-Methylaniline	106	4.827	4.827	0.000	91	1976658	16.0	17.3	a
	22 N-Nitrosodi-n-propylamine	70	4.843	4.836	0.007	88	682556	16.0	16.0	
	21 Acetophenone	105	4.839	4.836	0.003	93	1703999	16.0	16.2	
	25 Hexachloroethane	117	4.942	4.942	0.000	85	502475	16.0	16.6	
$	27 Nitrobenzene-d5	82	4.987	4.984	0.003	93	1064432	16.0	16.9	
	28 Nitrobenzene	123	5.009	5.003	0.006	78	546981	16.0	18.5	
	29 n,n'-Dimethylaniline	120	5.009	5.006	0.003	89	1890340	16.0	16.8	
	30 Isophorone	82	5.243	5.236	0.007	98	1777369	16.0	15.8	
	32 2-Nitrophenol	139	5.316	5.313	0.003	94	533897	16.0	17.9	
	33 2,4-Dimethylphenol	122	5.352	5.348	0.004	91	988598	16.0	16.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.464	5.441	0.023	87	508770	16.0	17.8	
34 Bis(2-chloroethoxy)methane	93	5.454	5.451	0.003	98	1131875	16.0	15.8	
36 2,4-Dichlorophenol	162	5.547	5.544	0.003	95	1200852	16.0	16.3	
37 1,2,4-Trichlorobenzene	180	5.637	5.633	0.004	94	1370668	16.0	16.4	
* 38 Naphthalene-d8	136	5.691	5.691	0.000	99	1791282	8.00	8.00	
39 Naphthalene	128	5.713	5.713	0.000	99	3570868	16.0	16.1	
40 4-Chloroaniline	127	5.765	5.761	0.004	97	1420804	16.0	15.9	
130 2,6-Dichlorophenol	162	5.771	5.768	0.003	96	1190884	16.0	16.2	
41 Hexachlorobutadiene	225	5.835	5.835	0.000	97	792765	16.0	16.6	
42 Caprolactam	113	6.107	6.094	0.013	89	61308	4.80	5.12	M
43 4-Chloro-3-methylphenol	107	6.235	6.232	0.003	93	805612	16.0	15.8	
44 2-Methylnaphthalene	142	6.392	6.389	0.003	83	2477242	16.0	15.8	
45 1-Methylnaphthalene	142	6.488	6.485	0.003	91	2266056	16.0	15.7	
46 Hexachlorocyclopentadiene	237	6.546	6.545	0.001	98	930402	16.0	16.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.555	6.552	0.003	98	1316817	16.0	16.4	
48 2-tertbutyl-4-methylphenol	149	6.584	6.581	0.003	93	1615491	16.0	16.1	
49 2,4,6-Trichlorophenol	196	6.661	6.661	0.000	95	858499	16.0	17.1	
50 2,4,5-Trichlorophenol	196	6.693	6.693	0.000	97	920488	16.0	16.7	
$ 51 2-Fluorobiphenyl	172	6.751	6.751	0.000	97	3286491	16.0	16.2	
52 1,1'-Biphenyl	154	6.850	6.847	0.003	94	3214960	16.0	16.2	
53 2-Chloronaphthalene	162	6.866	6.866	0.000	98	2574005	16.0	16.2	
54 Phenyl ether	170	6.953	6.952	0.001	86	1907300	16.0	16.6	
55 2-Nitroaniline	65	6.965	6.962	0.003	95	562464	16.0	17.6	
57 1,3-Dimethylnaphthalene	156	7.081	7.077	0.004	93	2009602	16.0	16.4	
59 Dimethyl phthalate	163	7.151	7.148	0.003	98	2669765	16.0	16.1	
60 Coumarin	146	7.167	7.167	0.000	82	818998	16.0	16.2	
61 2,6-Dinitrotoluene	165	7.202	7.202	0.000	93	530342	16.0	18.6	
62 Acenaphthylene	152	7.270	7.270	0.000	97	3952685	16.0	16.4	
63 3-Nitroaniline	138	7.363	7.359	0.004	96	474104	16.0	17.7	
* 64 Acenaphthene-d10	164	7.407	7.407	0.000	96	1082078	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.430	7.426	0.004	96	2339449	16.0	16.8	
66 Acenaphthene	154	7.440	7.436	0.004	95	2212701	16.0	15.6	
67 2,4-Dinitrophenol	184	7.465	7.462	0.003	91	441763	32.0	34.5	
68 4-Nitrophenol	65	7.520	7.513	0.007	88	572820	32.0	37.7	
69 2,4-Dinitrotoluene	165	7.590	7.587	0.003	98	643262	16.0	17.5	
70 Dibenzofuran	168	7.606	7.606	0.000	97	3478938	16.0	15.9	
72 2,3,4,6-Tetrachlorophenol	232	7.718	7.718	0.000	94	610585	16.0	16.6	
73 Diethyl phthalate	149	7.837	7.837	0.000	98	2380596	16.0	15.8	
75 Fluorene	166	7.940	7.936	0.004	92	2730965	16.0	16.0	
74 4-Chlorophenyl phenyl ether	204	7.940	7.939	0.001	91	1297548	16.0	15.9	
76 4-Nitroaniline	138	7.959	7.952	0.007	87	468401	16.0	18.1	
77 4,6-Dinitro-2-methylphenol	198	7.984	7.981	0.003	93	580908	32.0	33.3	
78 N-Nitrosodiphenylamine	169	8.055	8.051	0.004	94	1847769	16.0	16.0	
79 1,2-Diphenylhydrazine	77	8.093	8.093	0.000	95	1803947	16.0	16.0	
131 Azobenzene	77	8.093	8.093	0.000	0	1804701	16.0	16.0	
$ 80 2,4,6-Tribromophenol	330	8.170	8.167	0.003	91	506086	16.0	16.9	
81 4-Bromophenyl phenyl ether	248	8.414	8.413	0.001	95	725363	16.0	16.1	
82 Hexachlorobenzene	284	8.465	8.465	0.000	95	979018	16.0	15.9	
83 Atrazine	200	8.571	8.570	0.001	92	210268	4.80	5.32	
84 Pentachlorophenol	266	8.657	8.654	0.003	93	1035104	32.0	35.4	
85 Pentachloronitrobenzene	237	8.670	8.670	0.000	91	319001	16.0	17.9	
86 n-Octadecane	57	8.751	8.750	0.001	95	972508	16.0	16.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.844	8.843	0.001	97	1803967	8.00	8.00	
88 Phenanthrene	178	8.869	8.865	0.004	96	3735748	16.0	16.1	
89 Anthracene	178	8.917	8.917	0.000	99	3790765	16.0	16.0	
90 Carbazole	167	9.071	9.071	0.000	96	3266847	16.0	16.5	
91 Di-n-butyl phthalate	149	9.417	9.416	0.001	99	3610907	16.0	16.9	
92 Fluoranthene	202	10.019	10.015	0.004	98	3504898	16.0	16.4	
93 Benzidine	184	10.150	10.146	0.004	98	1942870	16.0	17.8	
94 Pyrene	202	10.240	10.236	0.004	97	3591553	16.0	15.8	
95 Bisphenol-A	213	10.288	10.287	0.001	97	1008165	16.0	16.4	
$ 96 Terphenyl-d14	244	10.400	10.400	0.000	98	2932289	16.0	15.9	
97 Butyl benzyl phthalate	149	10.932	10.931	0.001	93	1219757	16.0	18.2	
99 Carbamazepine	193	11.044	11.040	0.004	92	1114162	16.0	18.3	
100 3,3'-Dichlorobenzidine	252	11.537	11.537	0.000	98	1214469	16.0	17.3	
101 Benzo[a]anthracene	228	11.563	11.560	0.003	97	2982001	16.0	16.0	
* 102 Chrysene-d12	240	11.576	11.572	0.004	98	1258968	8.00	8.00	
104 Chrysene	228	11.608	11.605	0.003	98	2864737	16.0	15.8	
103 Bis(2-ethylhexyl) phthalate	149	11.627	11.627	0.000	84	1963397	16.0	18.8	
105 Di-n-octyl phthalate	149	12.486	12.486	0.000	96	2998951	16.0	17.5	
106 Benzo[b]fluoranthene	252	12.954	12.950	0.004	97	3102919	16.0	16.3	
107 Benzo[k]fluoranthene	252	12.989	12.989	0.000	97	3186255	16.0	16.3	
108 Benzo[a]pyrene	252	13.390	13.386	0.004	98	3111323	16.0	16.7	
* 109 Perylene-d12	264	13.463	13.460	0.003	100	1381147	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.989	14.986	0.003	97	3725282	16.0	18.5	
111 Dibenz(a,h)anthracene	278	15.037	15.031	0.006	99	4032620	16.0	18.4	
112 Benzo[g,h,i]perylene	276	15.431	15.422	0.009	96	4161454	16.0	17.4	
S 119 Total Cresols	1				0			32.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:54:46 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41328.d

Injection Date: 25-Jan-2023 10:28:30 Instrument ID: CBNAMS14 Operator ID:

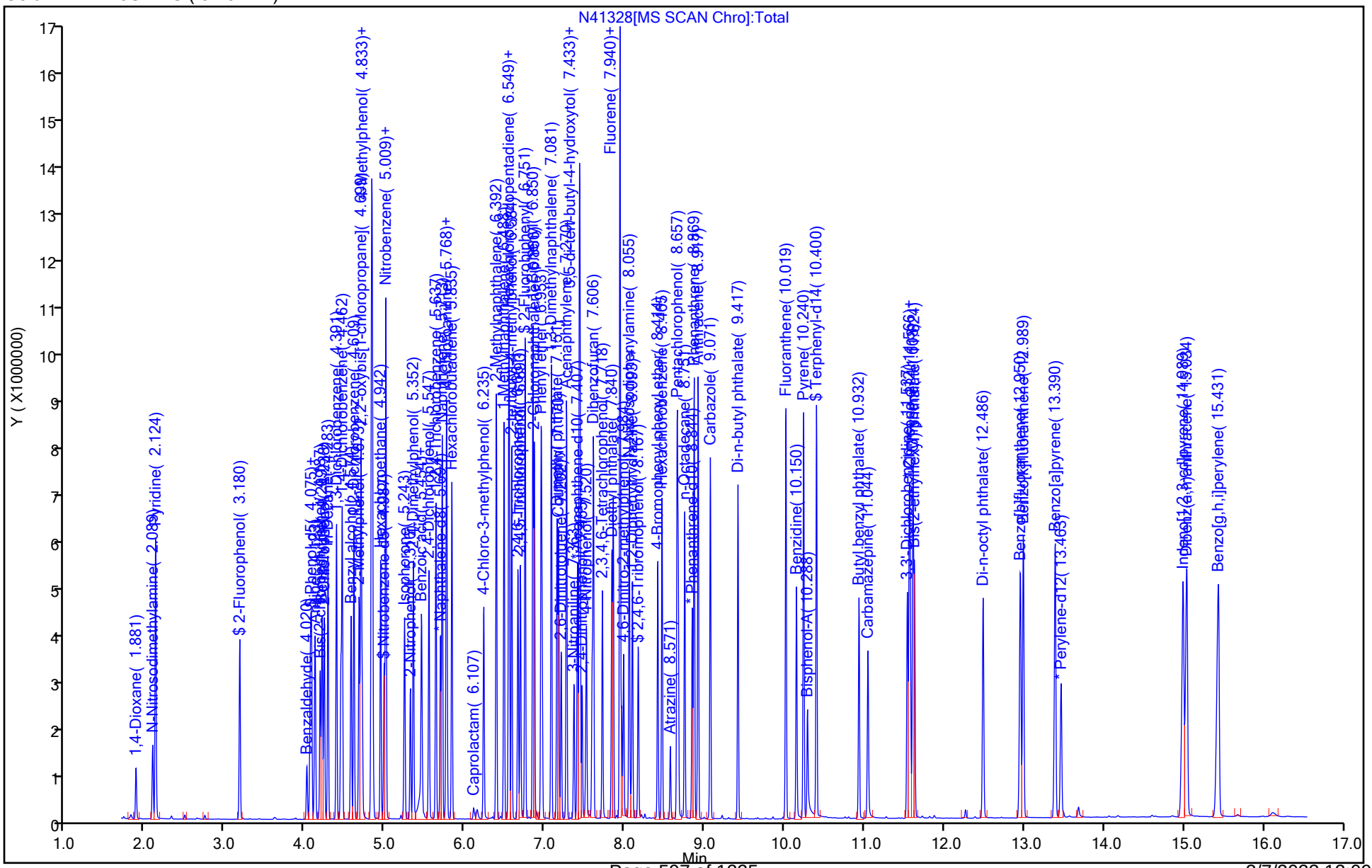
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

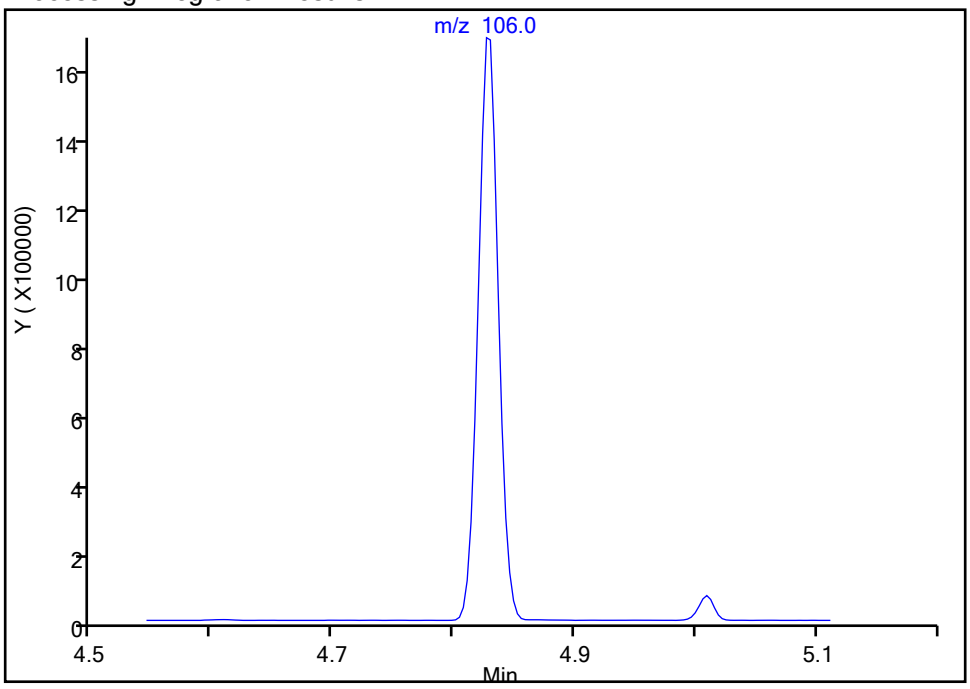
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41328.d				
Injection Date:	25-Jan-2023 10:28:30	Instrument ID:	CBNAMS14		
Lims ID:	STD16				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

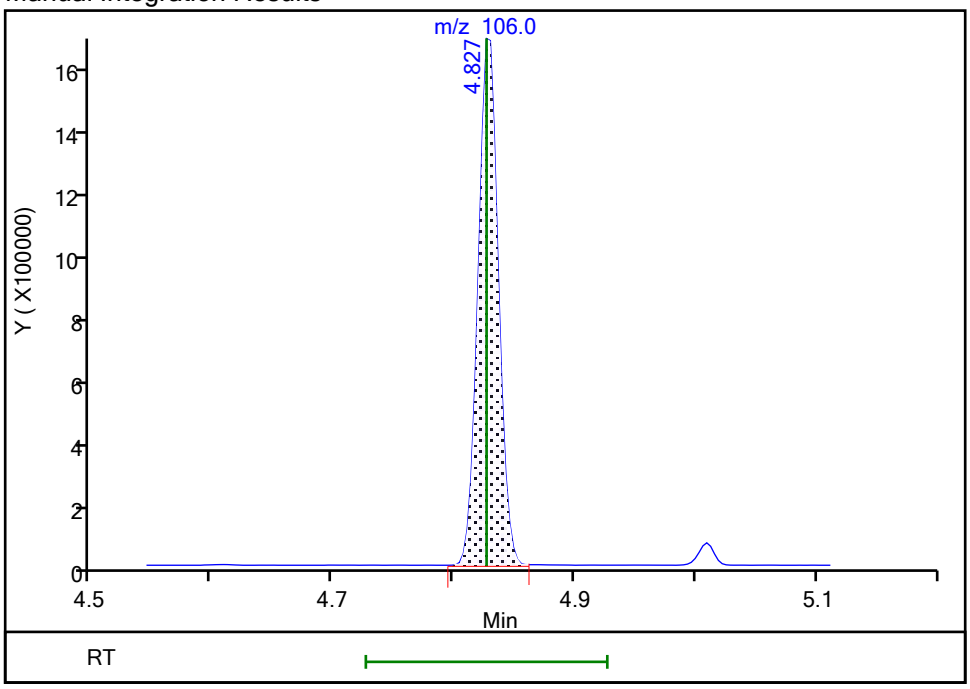
Not Detected
Expected RT: 4.83

Processing Integration Results



Manual Integration Results

RT: 4.83
Area: 1976658
Amount: 17.301165
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 10:57:02
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

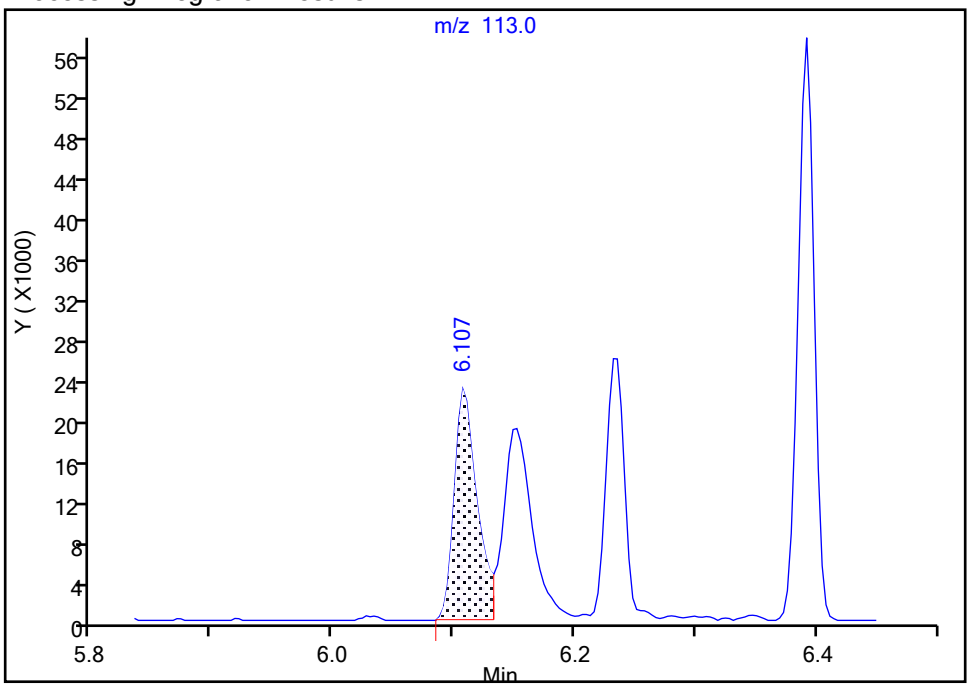
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41328.d
Injection Date: 25-Jan-2023 10:28:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

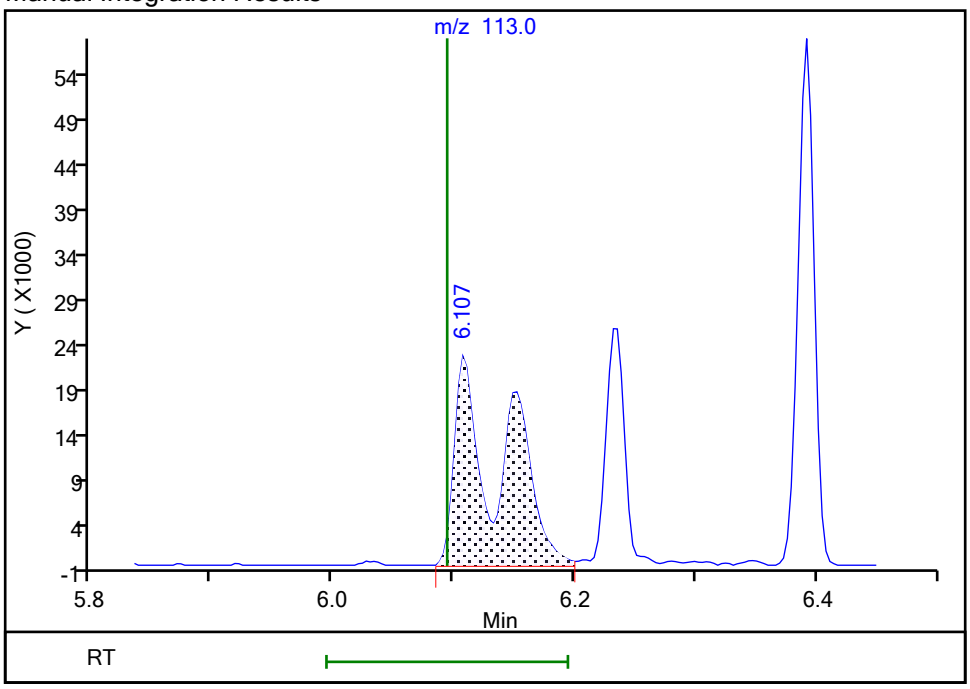
Processing Integration Results

RT: 6.11
Area: 30449
Amount: 2.857593
Amount Units: ug/ml



Manual Integration Results

RT: 6.11
Area: 61308
Amount: 5.124268
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 10:56:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41329.d
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 10:49:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-005
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:54:49 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 11:12:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.875	1.875	0.000	92	99941	4.00	3.98	
	2 N-Nitrosodimethylamine	74	2.083	2.083	0.000	77	144349	4.00	3.95	
	3 Pyridine	79	2.121	2.121	0.000	92	473123	8.00	8.19	
$	4 2-Fluorophenol	112	3.176	3.176	0.000	96	285397	4.00	4.05	
	5 Benzaldehyde	77	4.017	4.017	0.000	92	180107	3.20	3.18	
$	6 Phenol-d5	99	4.055	4.055	0.000	97	321599	4.00	4.03	
	7 Phenol	94	4.068	4.068	0.000	98	301845	4.00	3.87	
	8 Aniline	93	4.116	4.116	0.000	98	385664	4.00	3.88	
	9 Bis(2-chloroethyl)ether	93	4.177	4.177	0.000	98	237714	4.00	3.95	
	10 Benzonitrile	103	4.199	4.199	0.000	98	530496	NC	NC	
	11 2-Chlorophenol	128	4.231	4.231	0.000	96	293638	4.00	3.84	
	12 n-Decane	43	4.282	4.282	0.000	92	276290	4.00	3.83	
	13 1,3-Dichlorobenzene	146	4.388	4.388	0.000	97	384005	4.00	3.84	
*	14 1,4-Dichlorobenzene-d4	152	4.442	4.442	0.000	93	534910	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.458	4.458	0.000	97	399004	4.00	3.88	
	16 Benzyl alcohol	108	4.567	4.567	0.000	94	168443	4.00	3.85	
	17 1,2-Dichlorobenzene	146	4.605	4.605	0.000	98	381558	4.00	3.90	
	18 2-Methylphenol	108	4.666	4.666	0.000	87	245425	4.00	3.89	
	19 2,2'-oxybis[1-chloropropane]	45	4.704	4.704	0.000	90	293384	4.00	3.81	
	24 4-Methylphenol	108	4.820	4.820	0.000	91	279224	4.00	3.86	
	23 3 & 4 Methylphenol	108	4.820	4.820	0.000	94	279224	4.00	3.86	
	20 N-Methylaniline	106	4.823	4.823	0.000	89	481502	4.00	4.07	
	22 N-Nitrosodi-n-propylamine	70	4.832	4.832	0.000	95	175717	4.00	3.98	
	21 Acetophenone	105	4.832	4.832	0.000	89	426857	4.00	3.92	
	25 Hexachloroethane	117	4.941	4.941	0.000	85	125281	4.00	3.99	
$	27 Nitrobenzene-d5	82	4.980	4.980	0.000	88	265666	4.00	4.06	
	28 Nitrobenzene	123	4.999	4.999	0.000	97	128502	4.00	4.20	
	29 n,n'-Dimethylaniline	120	5.002	5.002	0.000	98	460268	4.00	3.95	
	30 Isophorone	82	5.232	5.232	0.000	98	471436	4.00	4.03	
	32 2-Nitrophenol	139	5.312	5.312	0.000	94	123585	4.00	3.98	
	33 2,4-Dimethylphenol	122	5.347	5.347	0.000	90	253208	4.00	3.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.405	5.405	0.000	90	77501	4.00	3.30	
34 Bis(2-chloroethoxy)methane	93	5.450	5.450	0.000	97	288430	4.00	3.88	
36 2,4-Dichlorophenol	162	5.543	5.543	0.000	94	300124	4.00	3.93	
37 1,2,4-Trichlorobenzene	180	5.632	5.632	0.000	94	354412	4.00	4.07	
* 38 Naphthalene-d8	136	5.690	5.690	0.000	99	1861324	8.00	8.00	
39 Naphthalene	128	5.712	5.712	0.000	98	898732	4.00	3.90	
40 4-Chloroaniline	127	5.760	5.760	0.000	98	361686	4.00	3.89	
130 2,6-Dichlorophenol	162	5.767	5.767	0.000	96	293277	4.00	3.85	
41 Hexachlorobutadiene	225	5.834	5.834	0.000	96	199979	4.00	4.02	
42 Caprolactam	113	6.080	6.080	0.000	90	43561	3.20	3.50	
43 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	93	213762	4.00	4.02	
44 2-Methylnaphthalene	142	6.390	6.390	0.000	83	648895	4.00	3.99	
45 1-Methylnaphthalene	142	6.486	6.486	0.000	91	582479	4.00	3.90	
46 Hexachlorocyclopentadiene	237	6.544	6.544	0.000	97	225228	4.00	3.69	
47 1,2,4,5-Tetrachlorobenzene	216	6.550	6.550	0.000	97	338380	4.00	3.81	
48 2-tertbutyl-4-methylphenol	149	6.579	6.579	0.000	93	417624	4.00	4.01	
49 2,4,6-Trichlorophenol	196	6.659	6.659	0.000	93	212813	4.00	3.83	
50 2,4,5-Trichlorophenol	196	6.691	6.691	0.000	97	236314	4.00	3.87	
$ 51 2-Fluorobiphenyl	172	6.749	6.749	0.000	97	888176	4.00	3.97	
52 1,1'-Biphenyl	154	6.845	6.845	0.000	94	832594	4.00	3.80	
53 2-Chloronaphthalene	162	6.864	6.864	0.000	98	668625	4.00	3.81	
54 Phenyl ether	170	6.950	6.950	0.000	86	494845	4.00	3.89	
55 2-Nitroaniline	65	6.957	6.957	0.000	97	137718	4.00	3.89	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	93	522581	4.00	3.87	
59 Dimethyl phthalate	163	7.142	7.142	0.000	98	710031	4.00	3.89	
60 Coumarin	146	7.162	7.162	0.000	82	214656	4.00	4.10	
61 2,6-Dinitrotoluene	165	7.197	7.197	0.000	94	130226	4.00	4.13	
62 Acenaphthylene	152	7.267	7.267	0.000	97	1030585	4.00	3.87	
63 3-Nitroaniline	138	7.357	7.357	0.000	95	115991	4.00	3.93	
* 64 Acenaphthene-d10	164	7.405	7.405	0.000	96	1195289	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.424	7.424	0.000	96	573525	4.00	3.72	
66 Acenaphthene	154	7.434	7.434	0.000	95	593423	4.00	3.78	
67 2,4-Dinitrophenol	184	7.456	7.456	0.000	91	78902	8.00	6.83	a
68 4-Nitrophenol	65	7.507	7.507	0.000	87	131190	8.00	7.82	
69 2,4-Dinitrotoluene	165	7.584	7.584	0.000	97	156457	4.00	3.93	
70 Dibenzofuran	168	7.604	7.604	0.000	97	927340	4.00	3.85	
72 2,3,4,6-Tetrachlorophenol	232	7.716	7.716	0.000	95	161585	4.00	3.97	
73 Diethyl phthalate	149	7.831	7.831	0.000	99	654202	4.00	3.93	
75 Fluorene	166	7.933	7.933	0.000	93	724953	4.00	3.85	
74 4-Chlorophenyl phenyl ether	204	7.940	7.940	0.000	91	349643	4.00	3.88	
76 4-Nitroaniline	138	7.946	7.946	0.000	85	110134	4.00	3.85	
77 4,6-Dinitro-2-methylphenol	198	7.975	7.975	0.000	91	117978	8.00	7.01	
78 N-Nitrosodiphenylamine	169	8.049	8.049	0.000	95	506150	4.00	3.87	
79 1,2-Diphenylhydrazine	77	8.090	8.090	0.000	94	491855	4.00	3.84	
131 Azobenzene	77	8.090	8.090	0.000	0	491898	4.00	3.84	
$ 80 2,4,6-Tribromophenol	330	8.164	8.164	0.000	90	132111	4.00	4.01	
81 4-Bromophenyl phenyl ether	248	8.410	8.410	0.000	95	198804	4.00	3.89	
82 Hexachlorobenzene	284	8.462	8.462	0.000	94	270421	4.00	3.86	
83 Atrazine	200	8.567	8.567	0.000	93	144862	3.20	3.23	
84 Pentachlorophenol	266	8.650	8.650	0.000	93	250379	8.00	7.55	
85 Pentachloronitrobenzene	237	8.666	8.666	0.000	88	78440	4.00	3.88	
86 n-Octadecane	57	8.747	8.747	0.000	94	258488	4.00	3.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.843	8.843	0.000	97	2048509	8.00	8.00	
88 Phenanthrene	178	8.865	8.865	0.000	96	1026181	4.00	3.90	
89 Anthracene	178	8.913	8.913	0.000	99	1040486	4.00	3.88	
90 Carbazole	167	9.067	9.067	0.000	96	870379	4.00	3.87	
91 Di-n-butyl phthalate	149	9.415	9.415	0.000	99	929781	4.00	3.83	
92 Fluoranthene	202	10.014	10.014	0.000	98	966476	4.00	3.97	
93 Benzidine	184	10.145	10.145	0.000	98	487907	4.00	3.95	
94 Pyrene	202	10.234	10.234	0.000	97	958515	4.00	3.86	
95 Bisphenol-A	213	10.286	10.286	0.000	98	157530	4.00	3.06	
$ 96 Terphenyl-d14	244	10.398	10.398	0.000	98	792006	4.00	3.93	
97 Butyl benzyl phthalate	149	10.929	10.929	0.000	94	281116	4.00	3.84	
99 Carbamazepine	193	11.038	11.038	0.000	92	251158	4.00	3.77	
100 3,3'-Dichlorobenzidine	252	11.531	11.531	0.000	98	311309	4.00	4.07	
101 Benzo[a]anthracene	228	11.557	11.557	0.000	97	789814	4.00	3.87	
* 102 Chrysene-d12	240	11.570	11.570	0.000	98	1376524	8.00	8.00	
104 Chrysene	228	11.602	11.602	0.000	98	760421	4.00	3.85	
103 Bis(2-ethylhexyl) phthalate	149	11.624	11.624	0.000	84	454357	4.00	3.98	
105 Di-n-octyl phthalate	149	12.482	12.482	0.000	96	679558	4.00	4.03	
106 Benzo[b]fluoranthene	252	12.943	12.943	0.000	97	767688	4.00	4.10	
107 Benzo[k]fluoranthene	252	12.981	12.981	0.000	97	774575	4.00	4.04	
108 Benzo[a]pyrene	252	13.378	13.378	0.000	97	736362	4.00	4.02	
* 109 Perylene-d12	264	13.459	13.459	0.000	100	1358230	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.974	14.974	0.000	96	765481	4.00	3.86	
111 Dibenz(a,h)anthracene	278	15.022	15.022	0.000	98	825167	4.00	3.83	
112 Benzo[g,h,i]perylene	276	15.406	15.406	0.000	97	843149	4.00	3.59	
S 119 Total Cresols	1				0			7.76	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:54:52 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41329.d

Injection Date: 25-Jan-2023 10:49:30 Instrument ID: CBNAMS14 Operator ID:

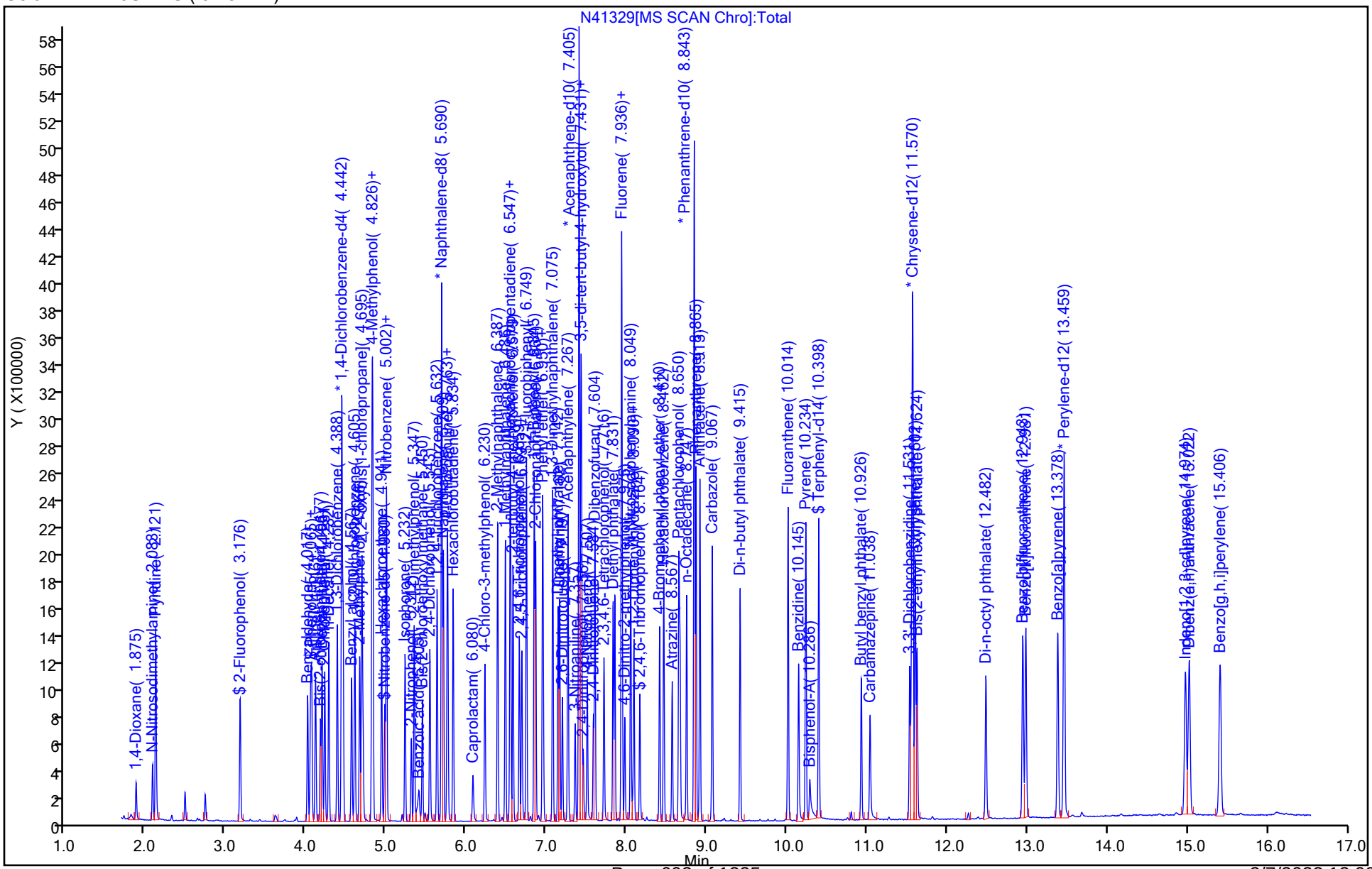
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

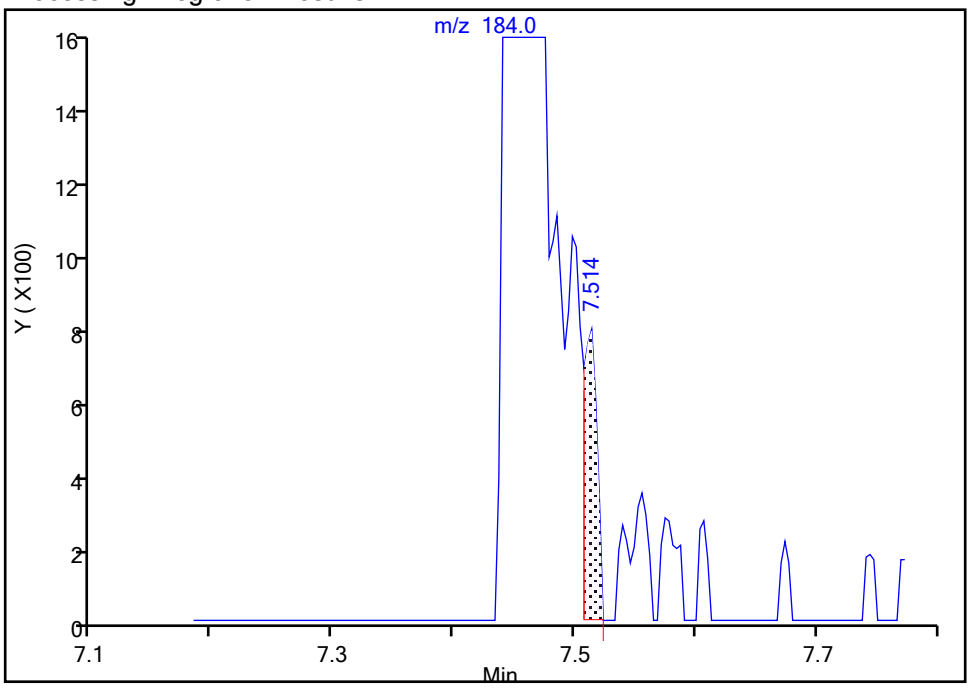
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41329.d
Injection Date: 25-Jan-2023 10:49:30 Instrument ID: CBNAMS14
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

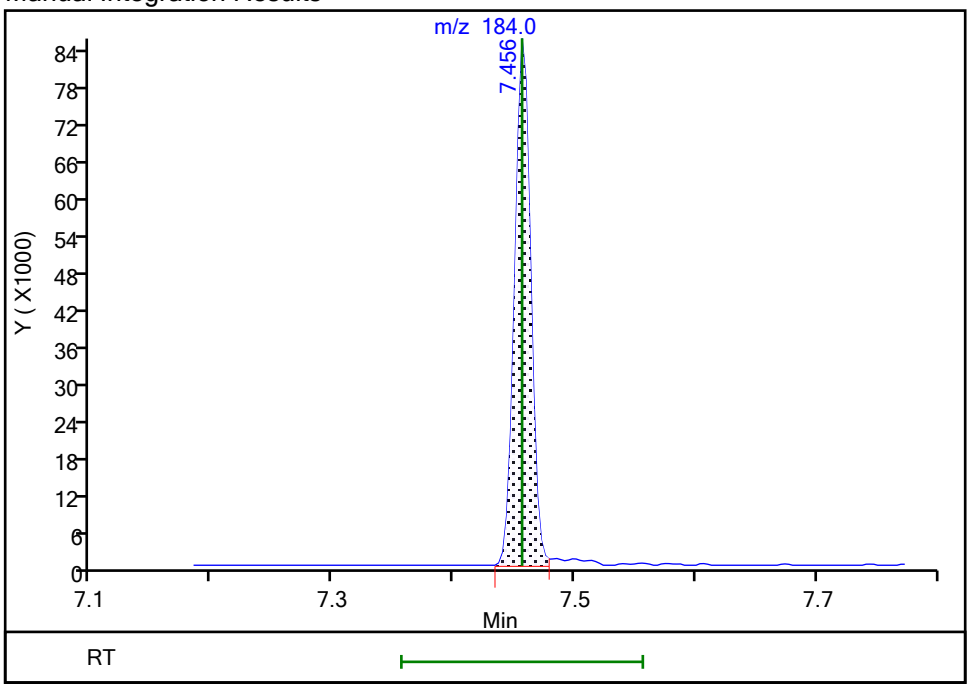
Processing Integration Results

RT: 7.51
Area: 604
Amount: 7.914069
Amount Units: ug/ml



Manual Integration Results

RT: 7.46
Area: 78902
Amount: 6.827309
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 11:12:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41330.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 11:10:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-006
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:54:55 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 11:33:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.878	1.875	0.003	94	68968	2.00	2.04	
2 N-Nitrosodimethylamine	74	2.083	2.083	0.000	78	97969	2.00	1.99	
3 Pyridine	79	2.124	2.121	0.003	92	321947	4.00	4.13	
$ 4 2-Fluorophenol	112	3.176	3.176	0.000	95	180837	2.00	1.90	
5 Benzaldehyde	77	4.017	4.017	0.000	92	141551	2.00	1.86	
$ 6 Phenol-d5	99	4.052	4.055	-0.003	97	197801	2.00	1.84	
7 Phenol	94	4.065	4.068	-0.003	98	212908	2.00	2.03	
8 Aniline	93	4.116	4.116	0.000	98	273293	2.00	2.04	
9 Bis(2-chloroethyl)ether	93	4.177	4.177	0.000	98	165986	2.00	2.05	
10 Benzonitrile	103	4.196	4.199	-0.003	98	344653	NC	NC	
11 2-Chlorophenol	128	4.231	4.231	0.000	96	208088	2.00	2.02	
12 n-Decane	43	4.282	4.282	0.000	94	195408	2.00	2.01	
13 1,3-Dichlorobenzene	146	4.388	4.388	0.000	98	270246	2.00	2.00	
* 14 1,4-Dichlorobenzene-d4	152	4.442	4.442	0.000	93	721161	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.458	4.458	0.000	97	282243	2.00	2.04	
16 Benzyl alcohol	108	4.563	4.567	-0.004	94	119098	2.00	2.02	
17 1,2-Dichlorobenzene	146	4.605	4.605	0.000	98	263262	2.00	2.00	
18 2-Methylphenol	108	4.666	4.666	0.000	90	172653	2.00	2.03	
19 2,2'-oxybis[1-chloropropane]	45	4.704	4.704	0.000	90	209196	2.00	2.01	
24 4-Methylphenol	108	4.819	4.820	-0.001	92	193245	2.00	1.98	
23 3 & 4 Methylphenol	108	4.819	4.820	-0.001	93	193245	2.00	1.98	
20 N-Methylaniline	106	4.823	4.823	0.000	83	310262	2.00	1.94	
22 N-Nitrosodi-n-propylamine	70	4.829	4.832	-0.003	79	121684	2.00	2.04	
21 Acetophenone	105	4.829	4.832	-0.003	90	297344	2.00	2.03	
25 Hexachloroethane	117	4.941	4.941	0.000	86	86746	2.00	2.05	
$ 27 Nitrobenzene-d5	82	4.979	4.980	-0.001	87	162233	2.00	1.83	
28 Nitrobenzene	123	4.998	4.999	-0.001	98	88764	2.00	2.15	
29 n,n'-Dimethylaniline	120	5.002	5.002	0.000	99	293992	2.00	1.87	
30 Isophorone	82	5.232	5.232	0.000	98	329037	2.00	2.07	
32 2-Nitrophenol	139	5.312	5.312	0.000	94	82361	2.00	1.96	
33 2,4-Dimethylphenol	122	5.347	5.347	0.000	91	179403	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.392	5.405	-0.013	84	46995	2.00	1.92	
34 Bis(2-chloroethoxy)methane	93	5.449	5.450	-0.001	97	206796	2.00	2.05	
36 2,4-Dichlorophenol	162	5.542	5.543	-0.001	94	210188	2.00	2.03	
37 1,2,4-Trichlorobenzene	180	5.632	5.632	0.000	94	243791	2.00	2.06	
* 38 Naphthalene-d8	136	5.689	5.690	-0.001	99	2525532	8.00	8.00	
39 Naphthalene	128	5.712	5.712	0.000	99	632726	2.00	2.02	
40 4-Chloroaniline	127	5.760	5.760	0.000	97	254390	2.00	2.02	
130 2,6-Dichlorophenol	162	5.766	5.767	-0.001	96	205976	2.00	1.99	
41 Hexachlorobutadiene	225	5.833	5.834	-0.001	96	143654	2.00	2.13	
42 Caprolactam	113	6.076	6.080	-0.004	90	33490	2.00	1.99	
43 4-Chloro-3-methylphenol	107	6.230	6.230	0.000	93	144802	2.00	2.01	
44 2-Methylnaphthalene	142	6.390	6.390	0.000	87	453206	2.00	2.05	
45 1-Methylnaphthalene	142	6.486	6.486	0.000	91	413929	2.00	2.04	
46 Hexachlorocyclopentadiene	237	6.543	6.544	-0.001	97	157452	2.00	1.88	
47 1,2,4,5-Tetrachlorobenzene	216	6.550	6.550	0.000	97	235131	2.00	1.93	
48 2-tertbutyl-4-methylphenol	149	6.579	6.579	0.000	93	270786	2.00	1.92	
49 2,4,6-Trichlorophenol	196	6.659	6.659	0.000	95	157519	2.00	2.07	
50 2,4,5-Trichlorophenol	196	6.691	6.691	0.000	97	161868	2.00	1.93	
$ 51 2-Fluorobiphenyl	172	6.748	6.749	-0.001	97	555153	2.00	1.81	
52 1,1'-Biphenyl	154	6.844	6.845	-0.001	94	597268	2.00	1.99	
53 2-Chloronaphthalene	162	6.863	6.864	-0.001	98	471938	2.00	1.96	
54 Phenyl ether	170	6.950	6.950	0.000	86	324757	2.00	1.87	
55 2-Nitroaniline	65	6.956	6.957	-0.001	98	89926	2.00	1.85	
57 1,3-Dimethylnaphthalene	156	7.075	7.075	0.000	94	348824	2.00	1.88	
59 Dimethyl phthalate	163	7.142	7.142	0.000	99	489751	2.00	1.96	
60 Coumarin	146	7.161	7.162	-0.001	82	136352	2.00	1.92	
61 2,6-Dinitrotoluene	165	7.196	7.197	-0.001	93	87349	2.00	2.02	
62 Acenaphthylene	152	7.267	7.267	0.000	97	737664	2.00	2.02	
63 3-Nitroaniline	138	7.356	7.357	-0.001	96	78338	2.00	1.94	
* 64 Acenaphthene-d10	164	7.404	7.405	-0.001	96	1637710	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.424	7.424	0.000	95	377853	2.00	1.79	
66 Acenaphthene	154	7.436	7.434	0.002	95	449550	2.00	2.09	
67 2,4-Dinitrophenol	184	7.456	7.456	0.000	92	49138	4.00	3.92	a
68 4-Nitrophenol	65	7.507	7.507	0.000	86	81056	4.00	3.52	
69 2,4-Dinitrotoluene	165	7.584	7.584	0.000	98	101950	2.00	1.93	
70 Dibenzofuran	168	7.603	7.604	-0.001	97	665392	2.00	2.01	
72 2,3,4,6-Tetrachlorophenol	232	7.715	7.716	-0.001	95	109828	2.00	1.97	
73 Diethyl phthalate	149	7.827	7.831	-0.004	99	456952	2.00	2.00	
75 Fluorene	166	7.936	7.933	0.003	94	522952	2.00	2.03	
74 4-Chlorophenyl phenyl ether	204	7.939	7.940	-0.001	90	244727	2.00	1.98	
76 4-Nitroaniline	138	7.942	7.946	-0.004	88	71704	2.00	1.83	
77 4,6-Dinitro-2-methylphenol	198	7.974	7.975	-0.001	92	77591	4.00	4.04	
78 N-Nitrosodiphenylamine	169	8.048	8.049	-0.001	95	358484	2.00	2.01	
79 1,2-Diphenylhydrazine	77	8.089	8.090	-0.001	94	343470	2.00	1.97	
131 Azobenzene	77	8.089	8.090	-0.001	0	343211	2.00	1.97	
$ 80 2,4,6-Tribromophenol	330	8.163	8.164	-0.001	89	82582	2.00	1.83	
81 4-Bromophenyl phenyl ether	248	8.409	8.410	-0.001	95	139431	2.00	2.00	
82 Hexachlorobenzene	284	8.464	8.462	0.002	94	191256	2.00	2.00	
83 Atrazine	200	8.566	8.567	-0.001	92	117991	2.00	1.93	
84 Pentachlorophenol	266	8.649	8.650	-0.001	93	158460	4.00	3.50	
85 Pentachloronitrobenzene	237	8.665	8.666	-0.001	90	49729	2.00	1.80	
86 n-Octadecane	57	8.746	8.747	-0.001	95	182056	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.842	8.843	-0.001	97	2795994	8.00	8.00	
88 Phenanthrene	178	8.864	8.865	-0.001	96	717342	2.00	2.00	
89 Anthracene	178	8.912	8.913	-0.001	98	726355	2.00	1.98	
90 Carbazole	167	9.066	9.067	-0.001	96	607521	2.00	1.98	
91 Di-n-butyl phthalate	149	9.414	9.415	-0.001	99	636186	2.00	1.92	
92 Fluoranthene	202	10.012	10.014	-0.002	98	658322	2.00	1.98	
93 Benzidine	184	10.143	10.145	-0.002	98	303174	2.00	1.80	
94 Pyrene	202	10.236	10.234	0.002	98	677286	2.00	2.12	
95 Bisphenol-A	213	10.291	10.286	0.005	97	113157	2.00	2.08	
$ 96 Terphenyl-d14	244	10.397	10.398	-0.001	98	490991	2.00	1.90	
97 Butyl benzyl phthalate	149	10.928	10.929	-0.001	94	176798	2.00	1.88	
99 Carbamazepine	193	11.037	11.038	-0.001	92	148907	2.00	1.74	
100 3,3'-Dichlorobenzidine	252	11.533	11.531	0.002	98	192393	2.00	1.96	
101 Benzo[a]anthracene	228	11.558	11.557	0.001	97	533621	2.00	2.03	
* 102 Chrysene-d12	240	11.571	11.570	0.001	98	1768893	8.00	8.00	
104 Chrysene	228	11.600	11.602	-0.002	99	506836	2.00	2.00	
103 Bis(2-ethylhexyl) phthalate	149	11.622	11.624	-0.002	84	295972	2.00	2.02	
105 Di-n-octyl phthalate	149	12.483	12.482	0.001	96	428274	2.00	1.99	
106 Benzo[b]fluoranthene	252	12.941	12.943	-0.002	97	496107	2.00	2.08	
107 Benzo[k]fluoranthene	252	12.979	12.981	-0.002	97	520028	2.00	2.13	
108 Benzo[a]pyrene	252	13.380	13.378	0.002	97	475203	2.00	2.03	
* 109 Perylene-d12	264	13.460	13.459	0.001	99	1733407	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.971	14.974	-0.003	97	490729	2.00	1.94	
111 Dibenz(a,h)anthracene	278	15.020	15.022	-0.002	98	531413	2.00	1.93	
112 Benzo[g,h,i]perylene	276	15.404	15.406	-0.002	97	550933	2.00	1.84	
S 119 Total Cresols	1				0			4.02	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:54:57 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41330.d

Injection Date: 25-Jan-2023 11:10:30 Instrument ID: CBNAMS14 Operator ID:

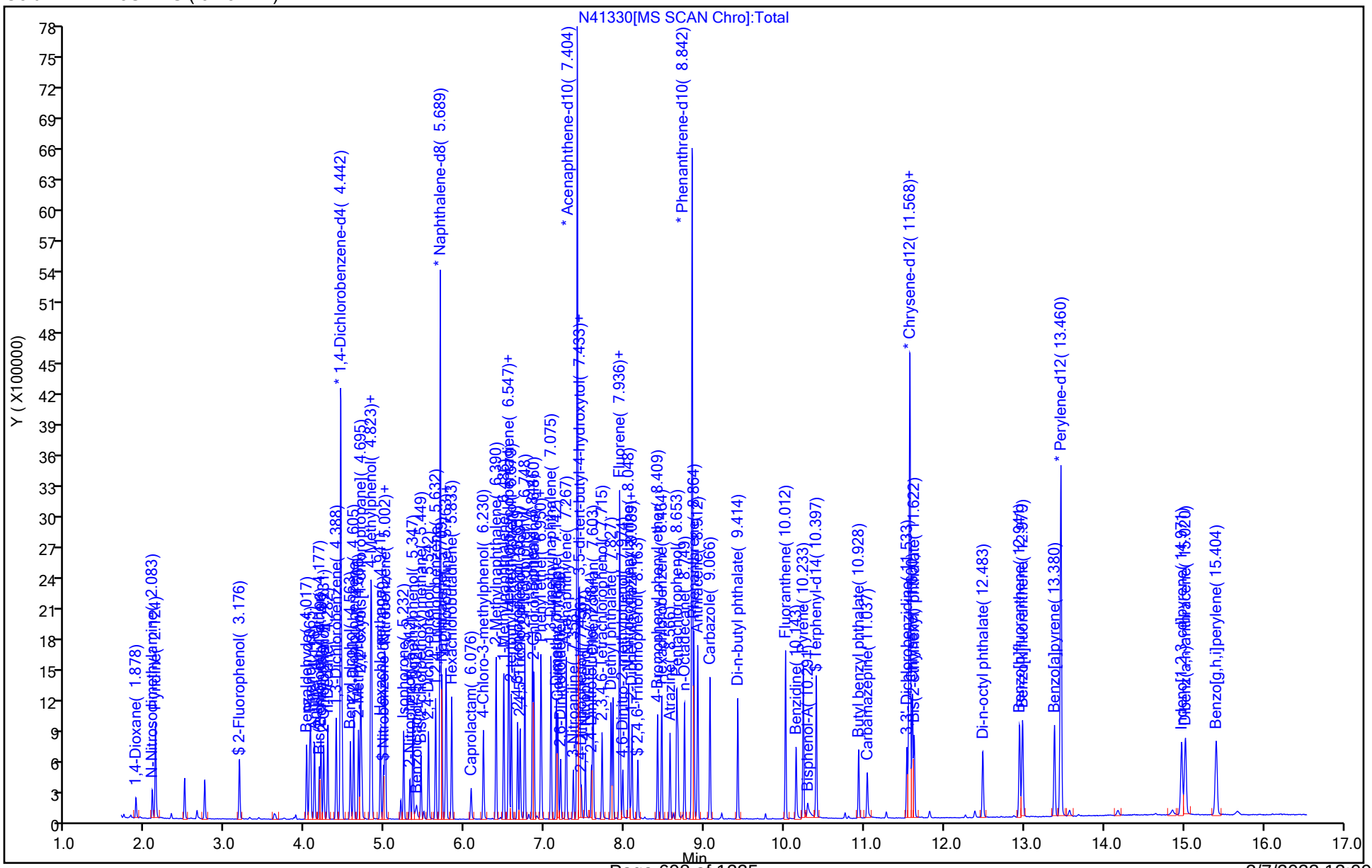
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

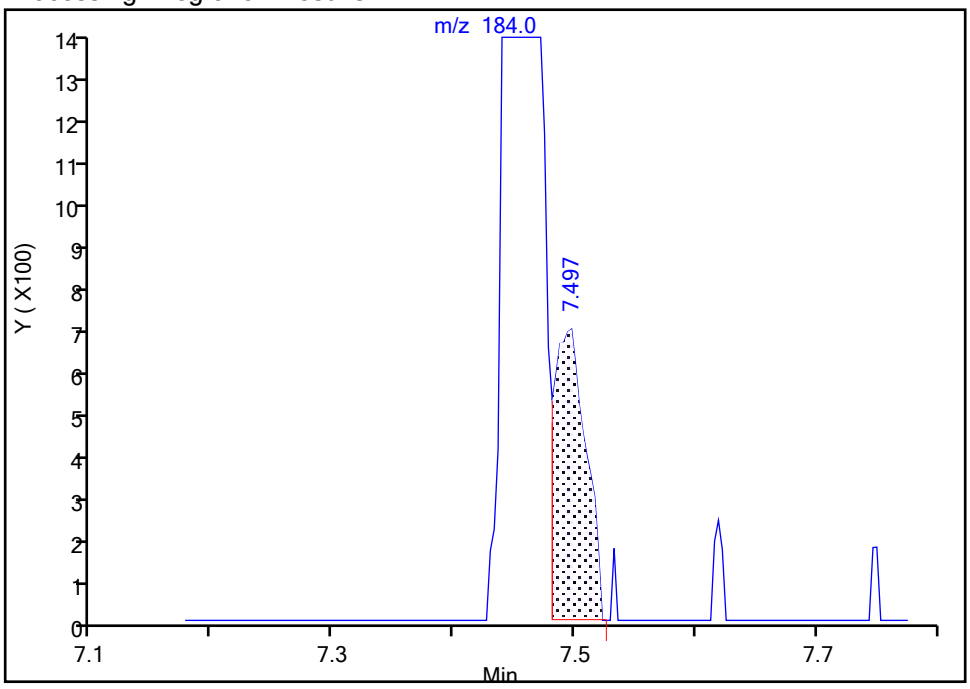
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41330.d
Injection Date: 25-Jan-2023 11:10:30 Instrument ID: CBNAMS14
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

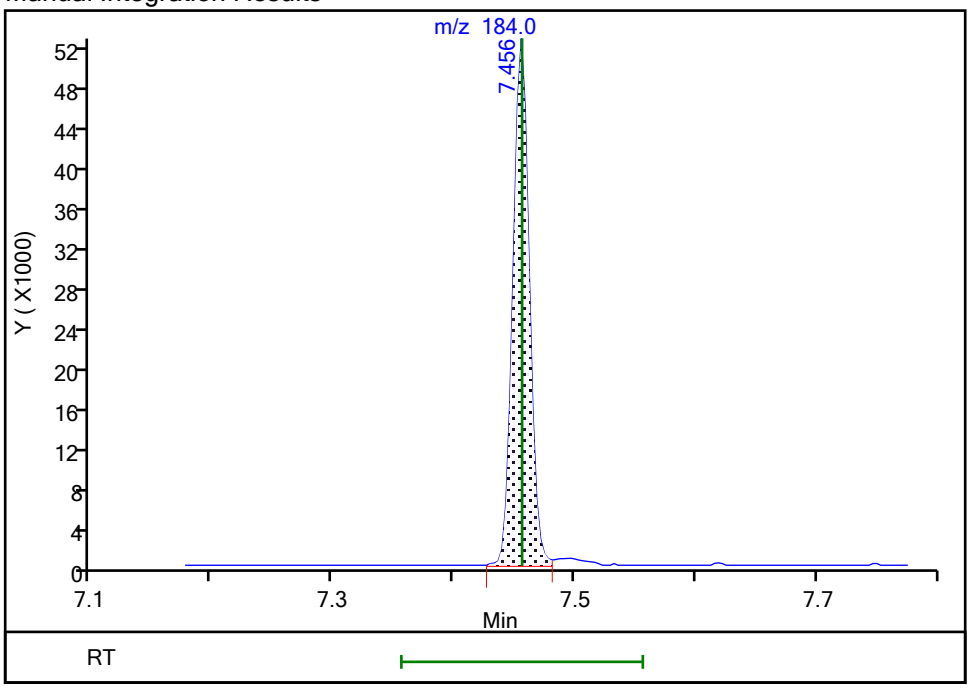
Processing Integration Results

RT: 7.50
Area: 1244
Amount: 3.881547
Amount Units: ug/ml



Manual Integration Results

RT: 7.46
Area: 49138
Amount: 3.916238
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 11:33:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41331.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 25-Jan-2023 11:31:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-007
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:55:00 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 11:52:47

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.888	1.875	0.013	94	26846	1.00	1.02	
	2 N-Nitrosodimethylamine	74	2.089	2.083	0.006	77	38144	1.00	1.00	
	3 Pyridine	79	2.131	2.121	0.010	94	124874	2.00	2.06	
$	4 2-Fluorophenol	112	3.176	3.176	0.000	96	74625	1.00	1.01	
	5 Benzaldehyde	77	4.016	4.017	-0.001	92	58694	1.00	0.99	
$	6 Phenol-d5	99	4.051	4.055	-0.004	96	83961	1.00	1.00	
	7 Phenol	94	4.064	4.068	-0.004	98	86283	1.00	1.06	
	8 Aniline	93	4.115	4.116	-0.001	98	111953	1.00	1.07	
	9 Bis(2-chloroethyl)ether	93	4.176	4.177	-0.001	98	67495	1.00	1.07	
	10 Benzonitrile	103	4.195	4.199	-0.004	97	144987	NC	NC	
	11 2-Chlorophenol	128	4.230	4.231	-0.001	96	84640	1.00	1.06	
	12 n-Decane	43	4.282	4.282	0.000	94	78240	1.00	1.04	
	13 1,3-Dichlorobenzene	146	4.387	4.388	-0.001	98	108275	1.00	1.03	
*	14 1,4-Dichlorobenzene-d4	152	4.441	4.442	-0.001	93	560202	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.457	4.458	-0.001	93	109646	1.00	1.02	
	16 Benzyl alcohol	108	4.563	4.567	-0.004	94	47581	1.00	1.04	
	17 1,2-Dichlorobenzene	146	4.604	4.605	-0.001	98	105483	1.00	1.03	
	18 2-Methylphenol	108	4.665	4.666	-0.001	87	66933	1.00	1.01	
	19 2,2'-oxybis[1-chloropropane]	45	4.704	4.704	0.000	91	82902	1.00	1.03	
	24 4-Methylphenol	108	4.815	4.820	-0.005	92	76553	1.00	1.01	
	23 3 & 4 Methylphenol	108	4.815	4.820	-0.005	89	76553	1.00	1.01	
	20 N-Methylaniline	106	4.819	4.823	-0.004	82	126826	1.00	1.02	
	22 N-Nitrosodi-n-propylamine	70	4.828	4.832	-0.004	92	48527	1.00	1.05	
	21 Acetophenone	105	4.828	4.832	-0.004	87	119282	1.00	1.05	
	25 Hexachloroethane	117	4.940	4.941	-0.001	84	32922	1.00	1.00	
$	27 Nitrobenzene-d5	82	4.978	4.980	-0.002	87	66277	1.00	0.9399	
	28 Nitrobenzene	123	4.998	4.999	-0.001	96	32510	1.00	1.01	
	29 n,n'-Dimethylaniline	120	5.001	5.002	-0.001	98	118077	1.00	0.9680	
	30 Isophorone	82	5.231	5.232	-0.001	98	129045	1.00	1.02	
	32 2-Nitrophenol	139	5.311	5.312	-0.001	92	27648	1.00	0.8278	
	33 2,4-Dimethylphenol	122	5.346	5.347	-0.001	90	67888	1.00	0.9840	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.375	5.405	-0.030	91	13254	1.00	1.20	
34 Bis(2-chloroethoxy)methane	93	5.448	5.450	-0.002	98	80866	1.00	1.01	
36 2,4-Dichlorophenol	162	5.541	5.543	-0.002	94	78986	1.00	0.9597	
37 1,2,4-Trichlorobenzene	180	5.631	5.632	-0.001	94	93918	1.00	1.00	
* 38 Naphthalene-d8	136	5.688	5.690	-0.002	99	2003872	8.00	8.00	
39 Naphthalene	128	5.711	5.712	-0.001	98	246926	1.00	1.00	
40 4-Chloroaniline	127	5.759	5.760	-0.001	98	102901	1.00	1.03	
130 2,6-Dichlorophenol	162	5.765	5.767	-0.002	95	84046	1.00	1.02	
41 Hexachlorobutadiene	225	5.832	5.834	-0.002	95	52585	1.00	0.9822	
42 Caprolactam	113	6.069	6.080	-0.011	90	13095	1.00	0.9784	
43 4-Chloro-3-methylphenol	107	6.225	6.230	-0.005	92	56859	1.00	0.99	
44 2-Methylnaphthalene	142	6.388	6.390	-0.002	83	182066	1.00	1.04	
45 1-Methylnaphthalene	142	6.484	6.486	-0.002	90	166338	1.00	1.03	
46 Hexachlorocyclopentadiene	237	6.542	6.544	-0.002	97	62614	1.00	0.9463	
47 1,2,4,5-Tetrachlorobenzene	216	6.548	6.550	-0.002	97	97967	1.00	1.02	
48 2-tertbutyl-4-methylphenol	149	6.580	6.579	0.001	93	111521	1.00	0.99	
49 2,4,6-Trichlorophenol	196	6.657	6.659	-0.002	94	57431	1.00	0.9523	
50 2,4,5-Trichlorophenol	196	6.689	6.691	-0.002	97	63330	1.00	0.9556	
$ 51 2-Fluorobiphenyl	172	6.747	6.749	-0.002	96	232478	1.00	0.9573	
52 1,1'-Biphenyl	154	6.843	6.845	-0.002	95	234332	1.00	0.9845	
53 2-Chloronaphthalene	162	6.862	6.864	-0.002	99	188484	1.00	0.9893	
54 Phenyl ether	170	6.948	6.950	-0.002	86	134979	1.00	0.9788	
55 2-Nitroaniline	65	6.955	6.957	-0.002	96	33204	1.00	0.8642	
57 1,3-Dimethylnaphthalene	156	7.076	7.075	0.001	92	139710	1.00	0.9530	
59 Dimethyl phthalate	163	7.140	7.142	-0.002	98	199949	1.00	1.01	
60 Coumarin	146	7.159	7.162	-0.003	82	55741	1.00	0.9879	
61 2,6-Dinitrotoluene	165	7.195	7.197	-0.003	95	28692	1.00	0.8384	
62 Acenaphthylene	152	7.265	7.267	-0.002	97	290596	1.00	1.00	
63 3-Nitroaniline	138	7.354	7.357	-0.003	96	24825	1.00	0.7748	
* 64 Acenaphthene-d10	164	7.402	7.405	-0.003	96	1297268	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.425	7.424	0.001	95	167821	1.00	1.00	
66 Acenaphthene	154	7.434	7.434	0.000	94	178161	1.00	1.04	
67 2,4-Dinitrophenol	184	7.454	7.456	-0.002	90	14524	2.00	2.40	a
68 4-Nitrophenol	65	7.505	7.507	-0.002	86	26501	2.00	1.45	
69 2,4-Dinitrotoluene	165	7.582	7.584	-0.002	96	32761	1.00	0.8422	
70 Dibenzofuran	168	7.601	7.604	-0.003	97	268116	1.00	1.02	
72 2,3,4,6-Tetrachlorophenol	232	7.716	7.716	0.000	94	41108	1.00	0.9308	
73 Diethyl phthalate	149	7.825	7.831	-0.006	99	186020	1.00	1.03	
75 Fluorene	166	7.933	7.933	0.000	92	202674	1.00	0.99	
74 4-Chlorophenyl phenyl ether	204	7.937	7.940	-0.003	90	99817	1.00	1.02	
76 4-Nitroaniline	138	7.940	7.946	-0.006	85	26033	1.00	0.8380	
77 4,6-Dinitro-2-methylphenol	198	7.972	7.975	-0.003	91	22845	2.00	2.29	
78 N-Nitrosodiphenylamine	169	8.049	8.049	0.000	95	143313	1.00	1.00	
79 1,2-Diphenylhydrazine	77	8.087	8.090	-0.003	95	137766	1.00	0.9851	
131 Azobenzene	77	8.087	8.090	-0.003	0	137766	1.00	0.9850	
$ 80 2,4,6-Tribromophenol	330	8.164	8.164	0.000	89	35767	1.00	1.00	
81 4-Bromophenyl phenyl ether	248	8.410	8.410	0.000	94	54880	1.00	0.9835	
82 Hexachlorobenzene	284	8.461	8.462	-0.001	93	79391	1.00	1.04	
83 Atrazine	200	8.564	8.567	-0.003	93	46435	1.00	0.9471	
84 Pentachlorophenol	266	8.650	8.650	0.000	93	64774	2.00	1.79	
85 Pentachloronitrobenzene	237	8.663	8.666	-0.003	88	17685	1.00	0.8000	
86 n-Octadecane	57	8.746	8.747	-0.001	96	70500	1.00	0.9442	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.842	8.843	-0.001	97	2239494	8.00	8.00	
88 Phenanthrene	178	8.861	8.865	-0.004	96	288248	1.00	1.00	
89 Anthracene	178	8.912	8.913	-0.001	98	292862	1.00	1.00	
90 Carbazole	167	9.066	9.067	-0.001	96	240847	1.00	0.9801	
91 Di-n-butyl phthalate	149	9.414	9.415	-0.001	99	246422	1.00	0.9285	
92 Fluoranthene	202	10.012	10.014	-0.002	97	269720	1.00	1.01	
93 Benzidine	184	10.143	10.145	-0.002	98	127632	1.00	0.9441	
94 Pyrene	202	10.233	10.234	-0.001	97	267877	1.00	1.01	
95 Bisphenol-A	213	10.294	10.286	0.008	97	27936	1.00	1.20	
$ 96 Terphenyl-d14	244	10.396	10.398	-0.002	98	208555	1.00	0.9745	
97 Butyl benzyl phthalate	149	10.927	10.929	-0.002	96	59232	1.00	0.7606	
99 Carbamazepine	193	11.036	11.038	-0.002	93	57239	1.00	0.8074	
100 3,3'-Dichlorobenzidine	252	11.532	11.531	0.001	98	77596	1.00	0.9534	
101 Benzo[a]anthracene	228	11.557	11.557	0.000	98	224415	1.00	1.03	
* 102 Chrysene-d12	240	11.570	11.570	0.000	98	1463069	8.00	8.00	
104 Chrysene	228	11.599	11.602	-0.003	98	218565	1.00	1.04	
103 Bis(2-ethylhexyl) phthalate	149	11.621	11.624	-0.003	85	100743	1.00	0.8307	
105 Di-n-octyl phthalate	149	12.482	12.482	0.000	96	145023	1.00	0.8043	
106 Benzo[b]fluoranthene	252	12.943	12.943	0.000	97	204098	1.00	1.02	
107 Benzo[k]fluoranthene	252	12.978	12.981	-0.003	96	208483	1.00	1.02	
108 Benzo[a]pyrene	252	13.378	13.378	0.000	97	192145	1.00	0.9807	
* 109 Perylene-d12	264	13.458	13.459	-0.001	100	1454161	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.969	14.974	-0.005	97	198142	1.00	0.9340	
111 Dibenz(a,h)anthracene	278	15.017	15.022	-0.005	98	226524	1.00	0.9829	
112 Benzo[g,h,i]perylene	276	15.401	15.406	-0.005	96	224854	1.00	0.8941	
S 119 Total Cresols	1				0			2.03	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:55:02 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41331.d

Injection Date: 25-Jan-2023 11:31:30 Instrument ID: CBNAMS14 Operator ID:

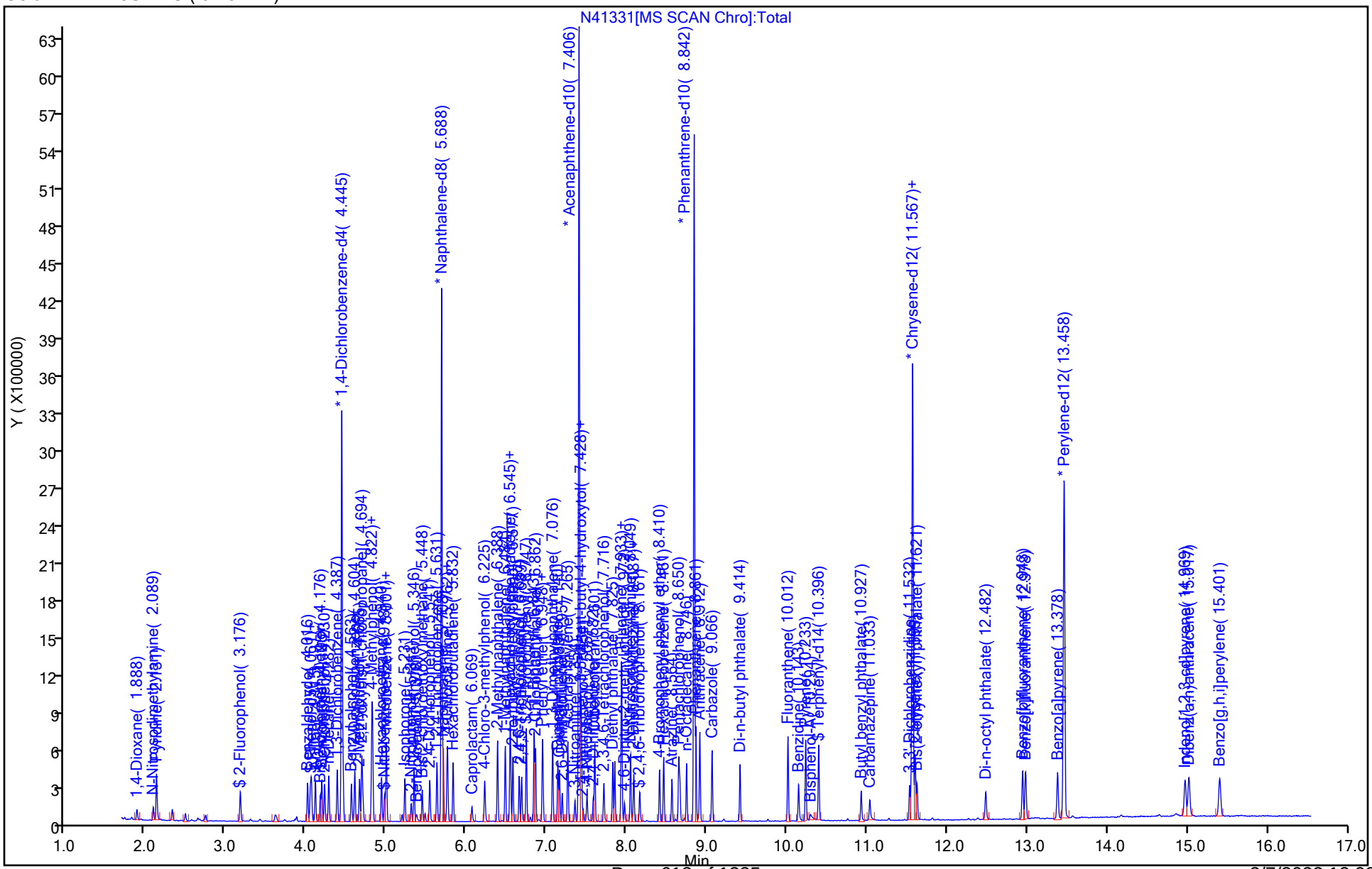
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

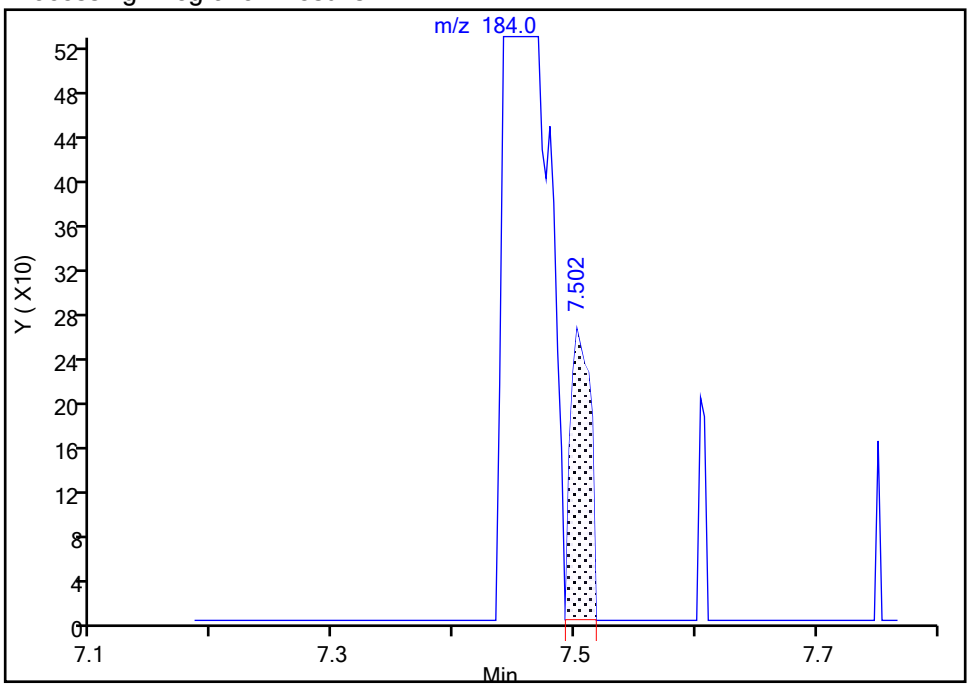
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41331.d
Injection Date: 25-Jan-2023 11:31:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

67 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

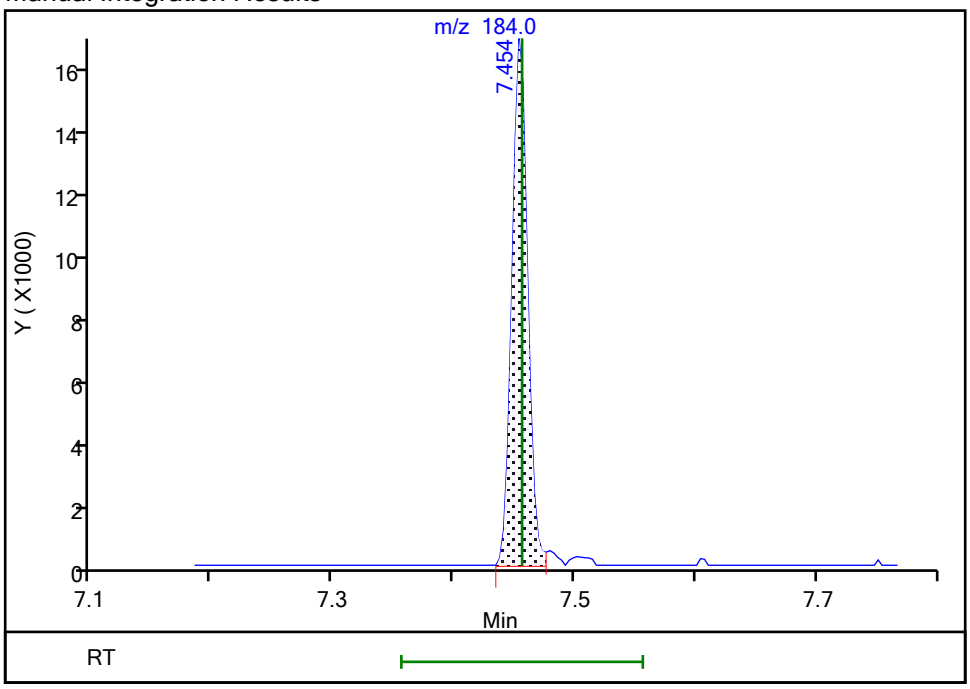
Processing Integration Results

RT: 7.50
Area: 294
Amount: 2.059725
Amount Units: ug/ml



Manual Integration Results

RT: 7.45
Area: 14524
Amount: 2.395628
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 11:52:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41332.d
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 11:52:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-008
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:55:05 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 12:14:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.016	4.017	-0.001	93	21020	0.4000	0.3889	
* 14 1,4-Dichlorobenzene-d4	152	4.441	4.442	-0.001	93	511060	8.00	8.00	
* 38 Naphthalene-d8	136	5.688	5.690	-0.002	99	1798749	8.00	8.00	
42 Caprolactam	113	6.062	6.080	-0.018	85	4222	0.4000	0.3514	
* 64 Acenaphthene-d10	164	7.405	7.405	0.000	96	1183294	8.00	8.00	
83 Atrazine	200	8.565	8.567	-0.002	92	16620	0.4000	0.3656	
* 87 Phenanthrene-d10	188	8.840	8.843	-0.003	97	2076542	8.00	8.00	
* 102 Chrysene-d12	240	11.568	11.570	-0.002	98	1355385	8.00	8.00	
* 109 Perylene-d12	264	13.458	13.459	-0.001	100	1365804	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00005 Amount Added: 1.00 Units: mL

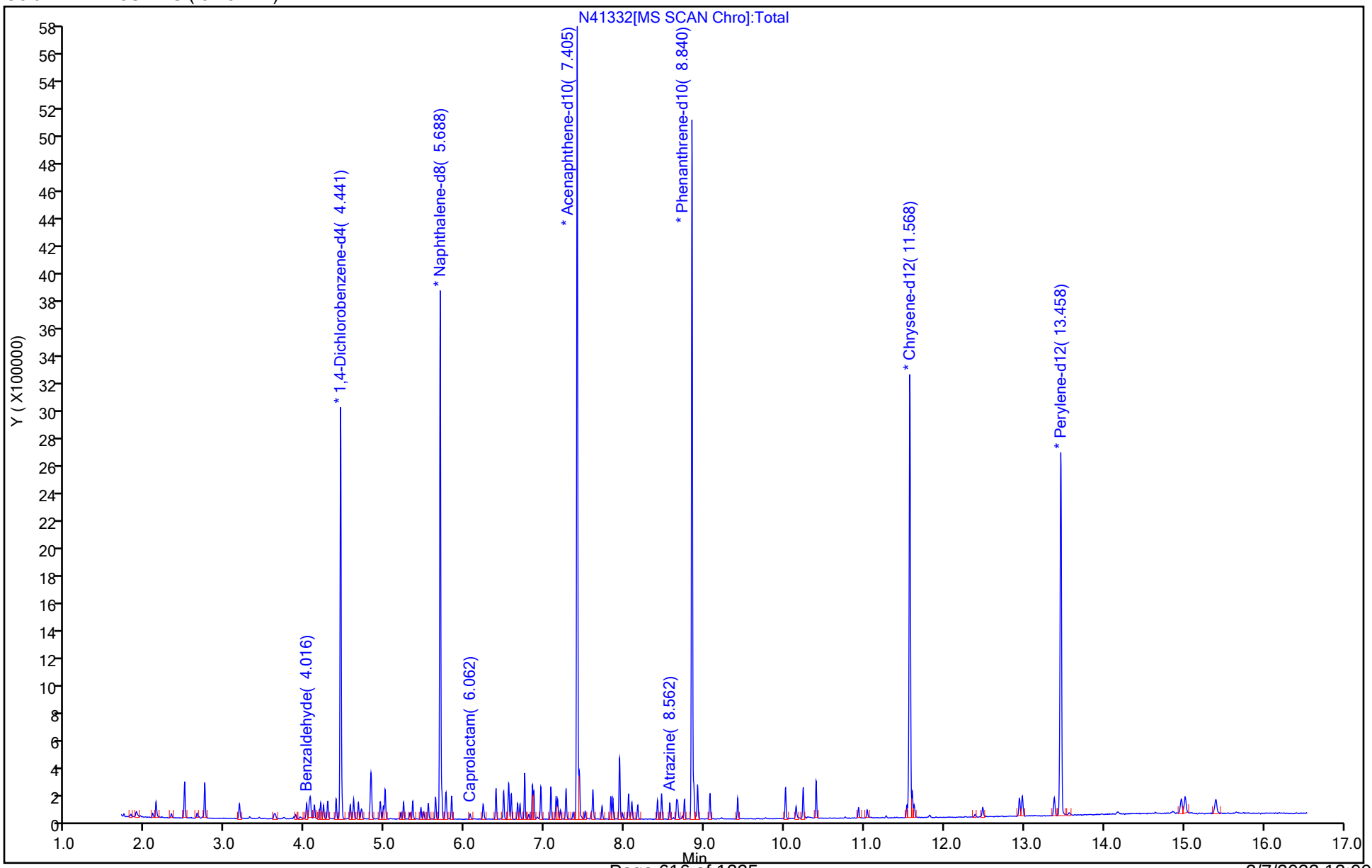
Report Date: 25-Jan-2023 13:55:06 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41332.d

Injection Date:	25-Jan-2023 11:52:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41333.d
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 12:13:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-009
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:55:07 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 12:37:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.137	2.121	0.016	96	23190	0.4000	0.4103	
$ 4 2-Fluorophenol	112	3.176	3.176	0.000	94	14884	0.2000	0.2158	
5 Benzaldehyde	77	4.016	4.017	-0.001	92	12336	0.2000	0.2229	
$ 6 Phenol-d5	99	4.051	4.055	-0.004	96	16862	0.2000	0.2158	
9 Bis(2-chloroethyl)ether	93	4.176	4.177	-0.001	96	11215	0.2000	0.1905	
* 14 1,4-Dichlorobenzene-d4	152	4.441	4.442	-0.001	93	523293	8.00	8.00	
20 N-Methylaniline	106	4.818	4.823	-0.005	83	22465	0.2000	0.1939	
22 N-Nitrosodi-n-propylamine	70	4.828	4.832	-0.004	81	7827	0.2000	0.1810	
25 Hexachloroethane	117	4.940	4.941	-0.001	88	6322	0.2000	0.2056	
$ 27 Nitrobenzene-d5	82	4.978	4.980	-0.002	88	12972	0.2000	0.2012	
28 Nitrobenzene	123	4.997	4.999	-0.002	91	5017	0.2000	0.1674	
29 n,n'-Dimethylaniline	120	5.000	5.002	-0.002	92	22992	0.2000	0.2018	
30 Isophorone	82	5.230	5.232	-0.002	97	21901	0.2000	0.1900	
37 1,2,4-Trichlorobenzene	180	5.630	5.632	-0.002	93	16144	0.2000	0.1885	
* 38 Naphthalene-d8	136	5.687	5.690	-0.003	99	1832085	8.00	8.00	
39 Naphthalene	128	5.710	5.712	-0.002	97	45094	0.2000	0.1987	
40 4-Chloroaniline	127	5.758	5.760	-0.002	97	18467	0.2000	0.2017	
41 Hexachlorobutadiene	225	5.831	5.834	-0.003	94	9160	0.2000	0.1871	
42 Caprolactam	113	6.061	6.080	-0.019	89	2071	0.2000	0.1692	
44 2-Methylnaphthalene	142	6.387	6.390	-0.003	82	30763	0.2000	0.1922	
45 1-Methylnaphthalene	142	6.483	6.486	-0.003	90	29440	0.2000	0.2000	
48 2-tertbutyl-4-methylphenol	149	6.579	6.579	0.000	94	20793	0.2000	0.2027	
49 2,4,6-Trichlorophenol	196	6.659	6.659	0.000	92	9641	0.2000	0.1734	
$ 51 2-Fluorobiphenyl	172	6.745	6.749	-0.004	98	45905	0.2000	0.2050	
61 2,6-Dinitrotoluene	165	7.193	7.197	-0.004	93	4420	0.2000	0.1401	
* 64 Acenaphthene-d10	164	7.404	7.405	-0.001	96	1196070	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.580	7.584	-0.004	96	4240	0.2000	0.2068	a
$ 80 2,4,6-Tribromophenol	330	8.161	8.164	-0.003	88	6273	0.2000	0.1901	
82 Hexachlorobenzene	284	8.462	8.462	0.000	94	14764	0.2000	0.2086	
83 Atrazine	200	8.564	8.567	-0.003	93	8242	0.2000	0.1819	
* 87 Phenanthrene-d10	188	8.842	8.843	-0.001	97	2069882	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	10.012	10.014	-0.002	97	45215	0.2000	0.1839	
94 Pyrene	202	10.232	10.234	-0.002	97	47468	0.2000	0.1943	
$ 96 Terphenyl-d14	244	10.395	10.398	-0.003	98	41102	0.2000	0.2075	
100 3,3'-Dichlorobenzidine	252	11.530	11.531	-0.001	95	10961	0.2000	0.1455	
101 Benzo[a]anthracene	228	11.556	11.557	-0.001	97	38875	0.2000	0.1935	
* 102 Chrysene-d12	240	11.569	11.570	-0.001	98	1353988	8.00	8.00	
104 Chrysene	228	11.598	11.602	-0.004	97	38178	0.2000	0.1964	
103 Bis(2-ethylhexyl) phthalate	149	11.623	11.624	-0.001	86	15573	0.2000	0.1388	
106 Benzo[b]fluoranthene	252	12.941	12.943	-0.002	97	35576	0.2000	0.1898	
107 Benzo[k]fluoranthene	252	12.976	12.981	-0.005	98	33977	0.2000	0.1770	
108 Benzo[a]pyrene	252	13.376	13.378	-0.002	97	33469	0.2000	0.1827	
* 109 Perylene-d12	264	13.459	13.459	0.000	100	1359703	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.969	14.974	-0.005	96	32114	0.2000	0.1619	
111 Dibenz(a,h)anthracene	278	15.014	15.022	-0.008	98	36126	0.2000	0.1676	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00004 Amount Added: 1.00 Units: mL

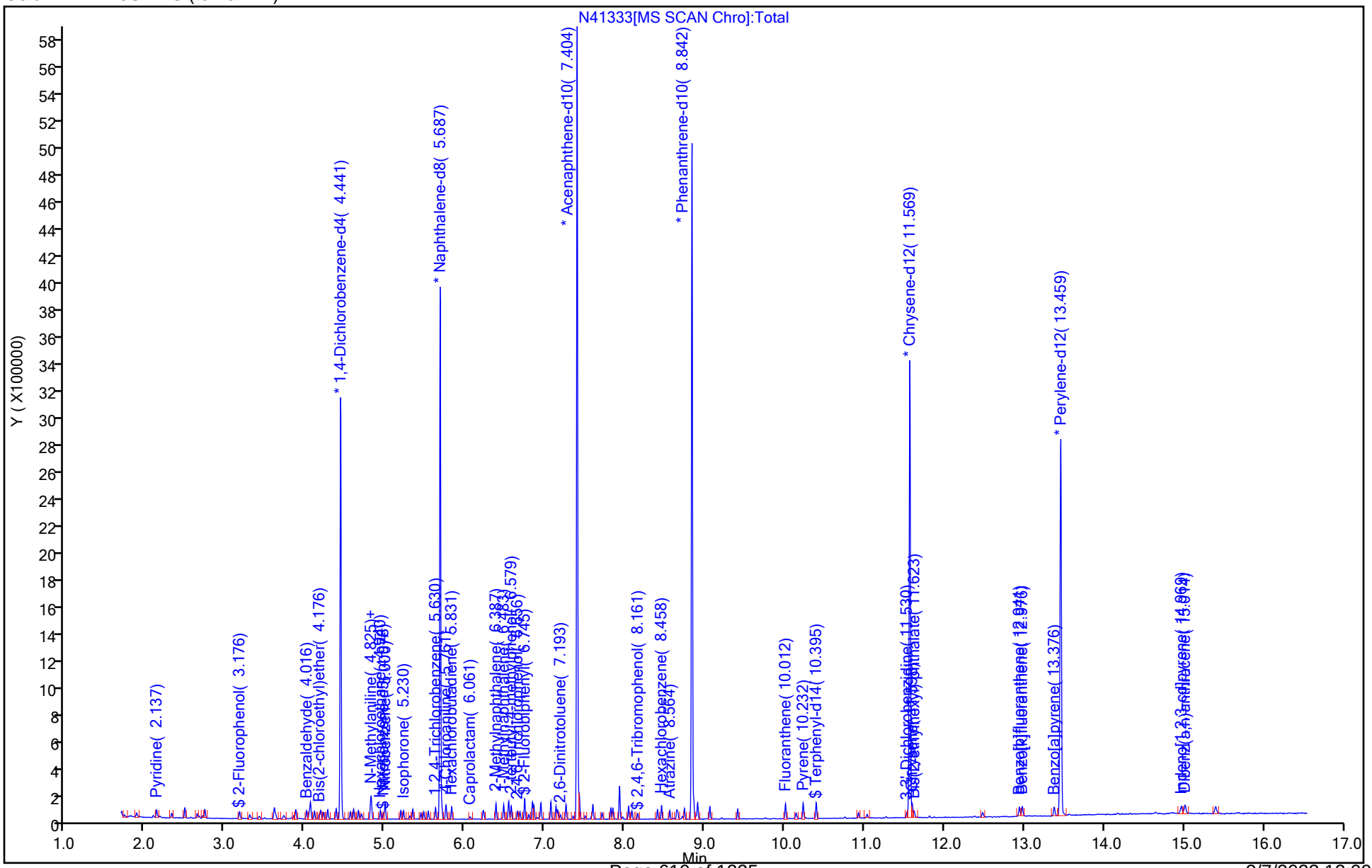
Report Date: 25-Jan-2023 13:55:09 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41333.d

Injection Date:	25-Jan-2023 12:13:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

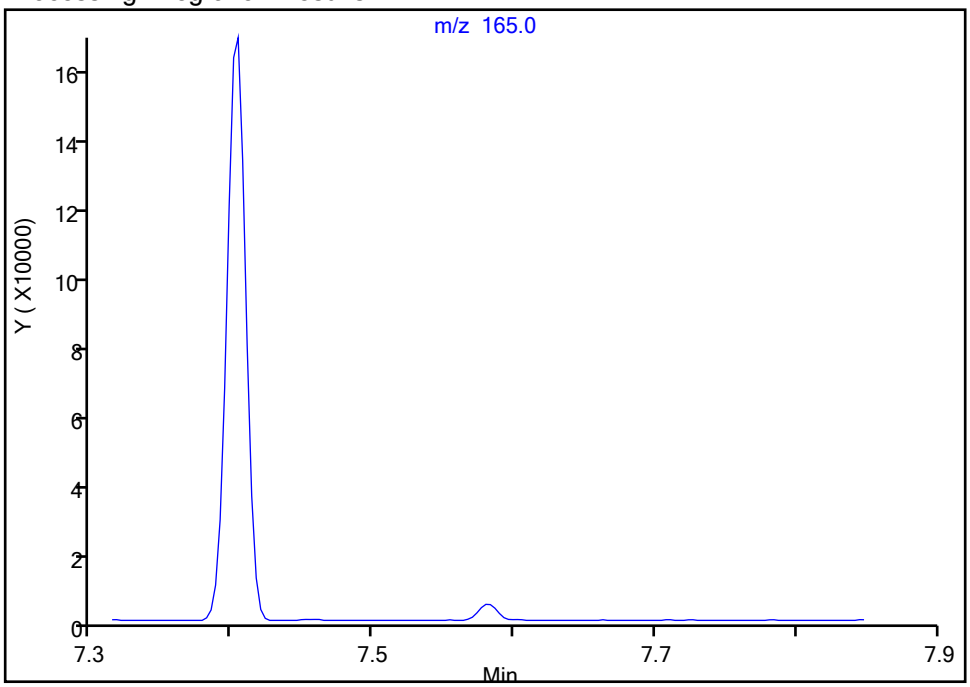
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41333.d
Injection Date: 25-Jan-2023 12:13:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

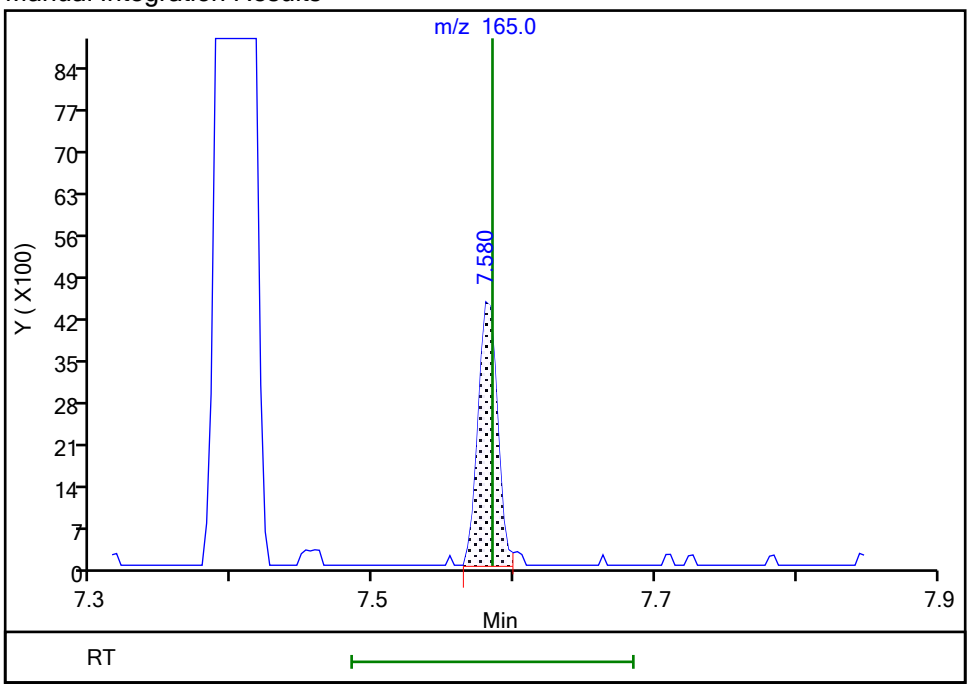
Not Detected
Expected RT: 7.58

Processing Integration Results



Manual Integration Results

RT: 7.58
Area: 4240
Amount: 0.206767
Amount Units: ug/ml



Reviewer: G4KC, 25-Jan-2023 12:37:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 12:34:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155999-010
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Jan-2023 13:55:11 Calib Date: 25-Jan-2023 12:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1620

First Level Reviewer: G4KC Date: 25-Jan-2023 13:17:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.140	2.121	0.019	92	8330	0.2000	0.1537	
$ 6 Phenol-d5	99	4.051	4.055	-0.004	98	8134	0.1000	0.1085	
9 Bis(2-chloroethyl)ether	93	4.176	4.177	-0.001	96	5622	0.1000	0.0996	
* 14 1,4-Dichlorobenzene-d4	152	4.441	4.442	-0.001	93	501865	8.00	8.00	
20 N-Methylaniline	106	4.818	4.823	-0.005	82	10091	0.1000	0.0908	
22 N-Nitrosodi-n-propylamine	70	4.828	4.832	-0.004	67	4373	0.1000	0.1054	
25 Hexachloroethane	117	4.940	4.941	-0.001	81	2612	0.1000	0.0886	
$ 27 Nitrobenzene-d5	82	4.978	4.980	-0.002	87	6133	0.1000	0.1021	
28 Nitrobenzene	123	4.997	4.999	-0.002	70	2024	0.1000	0.0704	
29 n,n'-Dimethylaniline	120	5.000	5.002	-0.002	91	10767	0.1000	0.0985	
37 1,2,4-Trichlorobenzene	180	5.630	5.632	-0.002	93	7107	0.1000	0.0890	
* 38 Naphthalene-d8	136	5.687	5.690	-0.003	99	1707651	8.00	8.00	
39 Naphthalene	128	5.710	5.712	-0.002	97	21343	0.1000	0.1009	
40 4-Chloroaniline	127	5.758	5.760	-0.002	98	8531	0.1000	0.1000	
41 Hexachlorobutadiene	225	5.831	5.834	-0.003	94	4202	0.1000	0.0921	
$ 51 2-Fluorobiphenyl	172	6.748	6.749	-0.001	97	21732	0.1000	0.1040	
* 64 Acenaphthene-d10	164	7.403	7.405	-0.002	96	1116206	8.00	8.00	
82 Hexachlorobenzene	284	8.461	8.462	-0.001	92	6324	0.1000	0.0957	
* 87 Phenanthrene-d10	188	8.841	8.843	-0.002	97	1932310	8.00	8.00	
$ 96 Terphenyl-d14	244	10.394	10.398	-0.004	98	19650	0.1000	0.1057	
101 Benzo[a]anthracene	228	11.558	11.557	0.001	97	19111	0.1000	0.1013	
* 102 Chrysene-d12	240	11.568	11.570	-0.002	98	1270921	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.943	12.943	0.000	96	16642	0.1000	0.0945	
107 Benzo[k]fluoranthene	252	12.978	12.981	-0.003	97	17236	0.1000	0.0956	
108 Benzo[a]pyrene	252	13.378	13.378	0.000	97	15892	0.1000	0.0924	
* 109 Perylene-d12	264	13.461	13.459	0.002	100	1277088	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.968	14.974	-0.006	97	14410	0.1000	0.0773	
111 Dibenz(a,h)anthracene	278	15.019	15.022	-0.003	97	15836	0.1000	0.0782	

QC Flag Legend

Processing Flags

Reagents:

SV_BNAL1_LVI_00004 Amount Added: 1.00 Units: mL

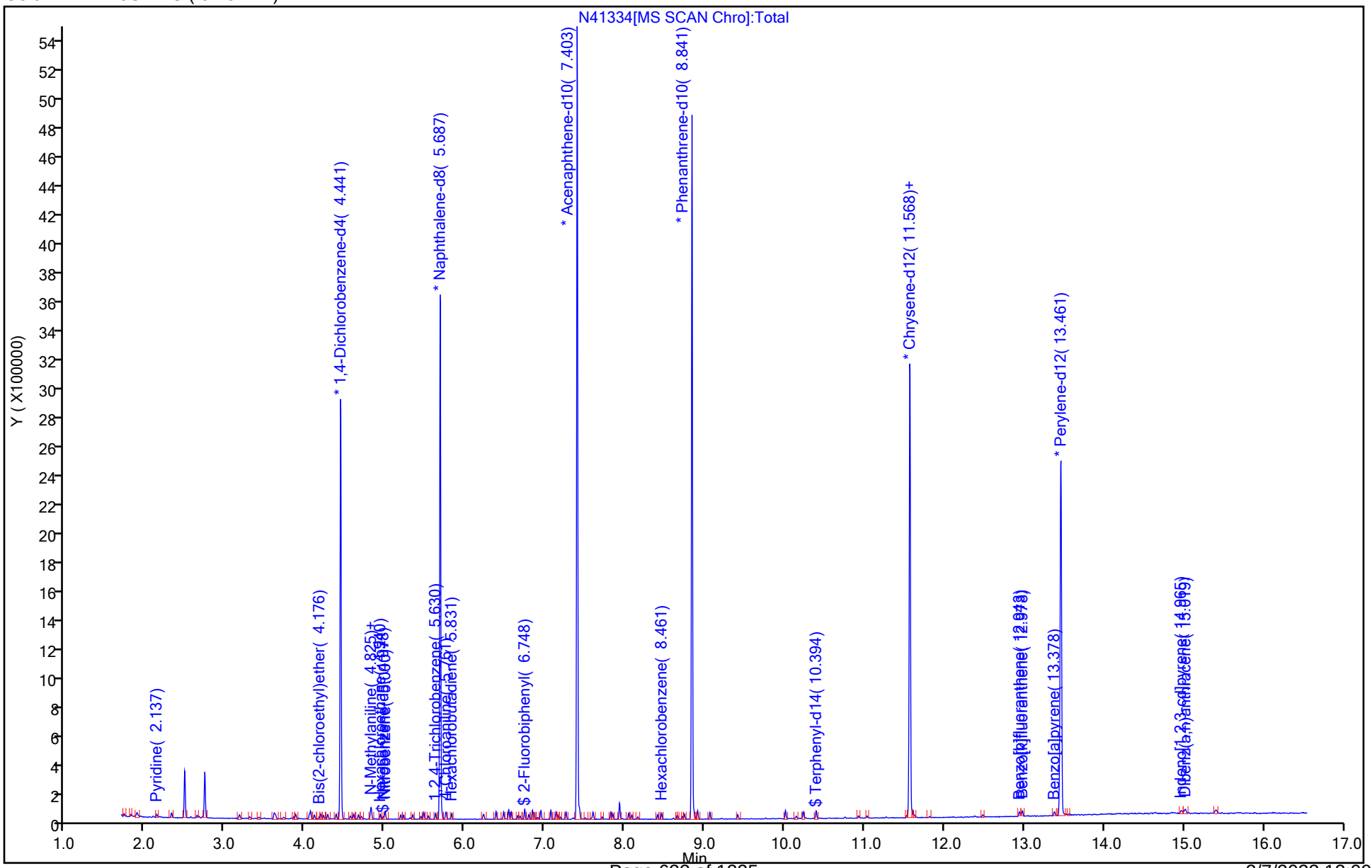
Report Date: 25-Jan-2023 13:55:12 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230125-155999.b\N41334.d

Injection Date:	25-Jan-2023 12:34:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

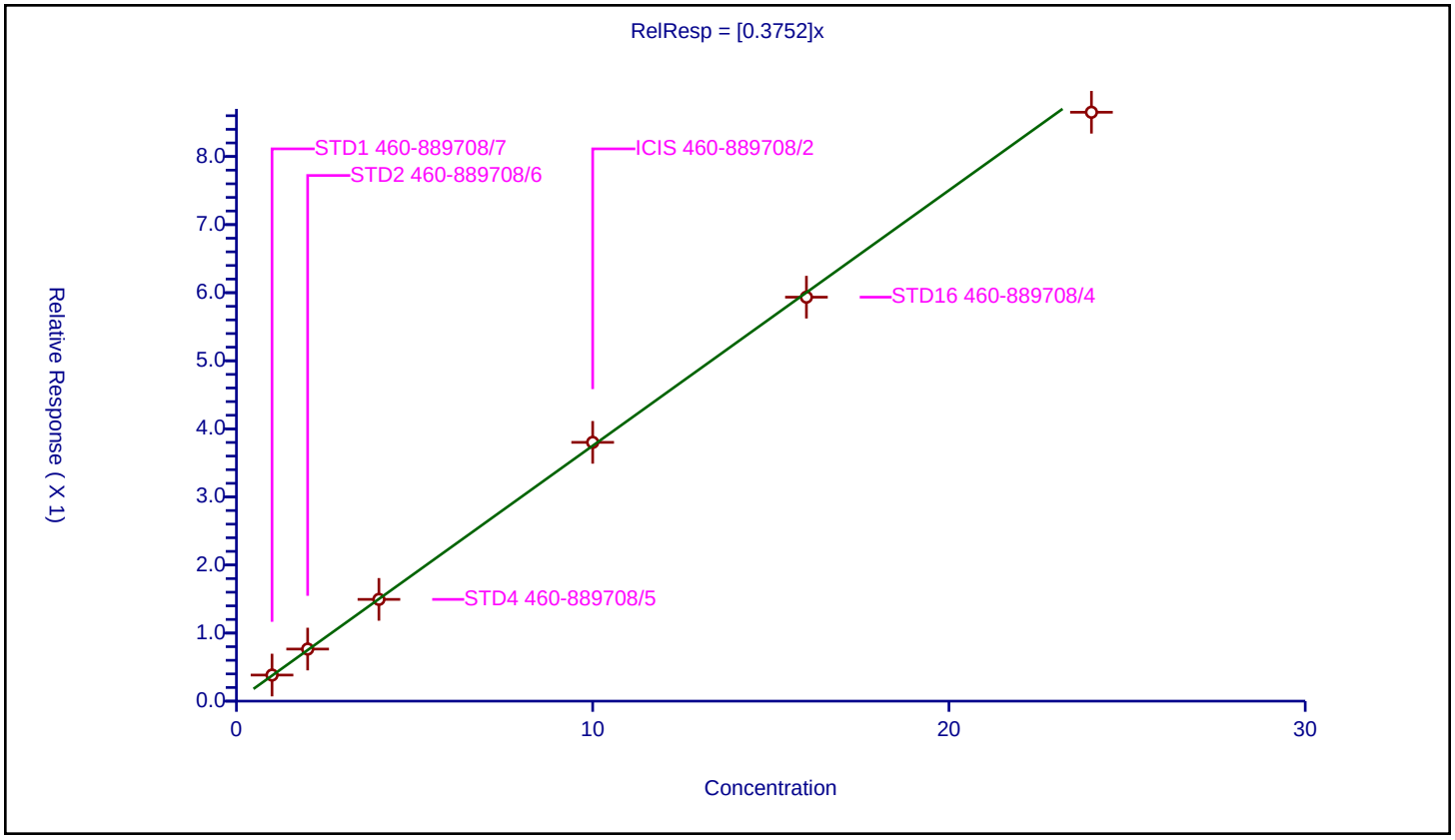
Curve Coefficients

Intercept:	0
Slope:	0.3752

Error Coefficients

Standard Error:	328000
Relative Standard Error:	2.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.383376	8.0	560202.0	0.383376	Y
2	STD2 460-889708/6	2.0	0.765077	8.0	721161.0	0.382539	Y
3	STD4 460-889708/5	4.0	1.494696	8.0	534910.0	0.373674	Y
4	ICIS 460-889708/2	10.0	3.801454	8.0	575422.0	0.380145	Y
5	STD16 460-889708/4	16.0	5.934241	8.0	516099.0	0.37089	Y
6	STD24 460-889708/3	24.0	8.650604	8.0	508426.0	0.360442	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

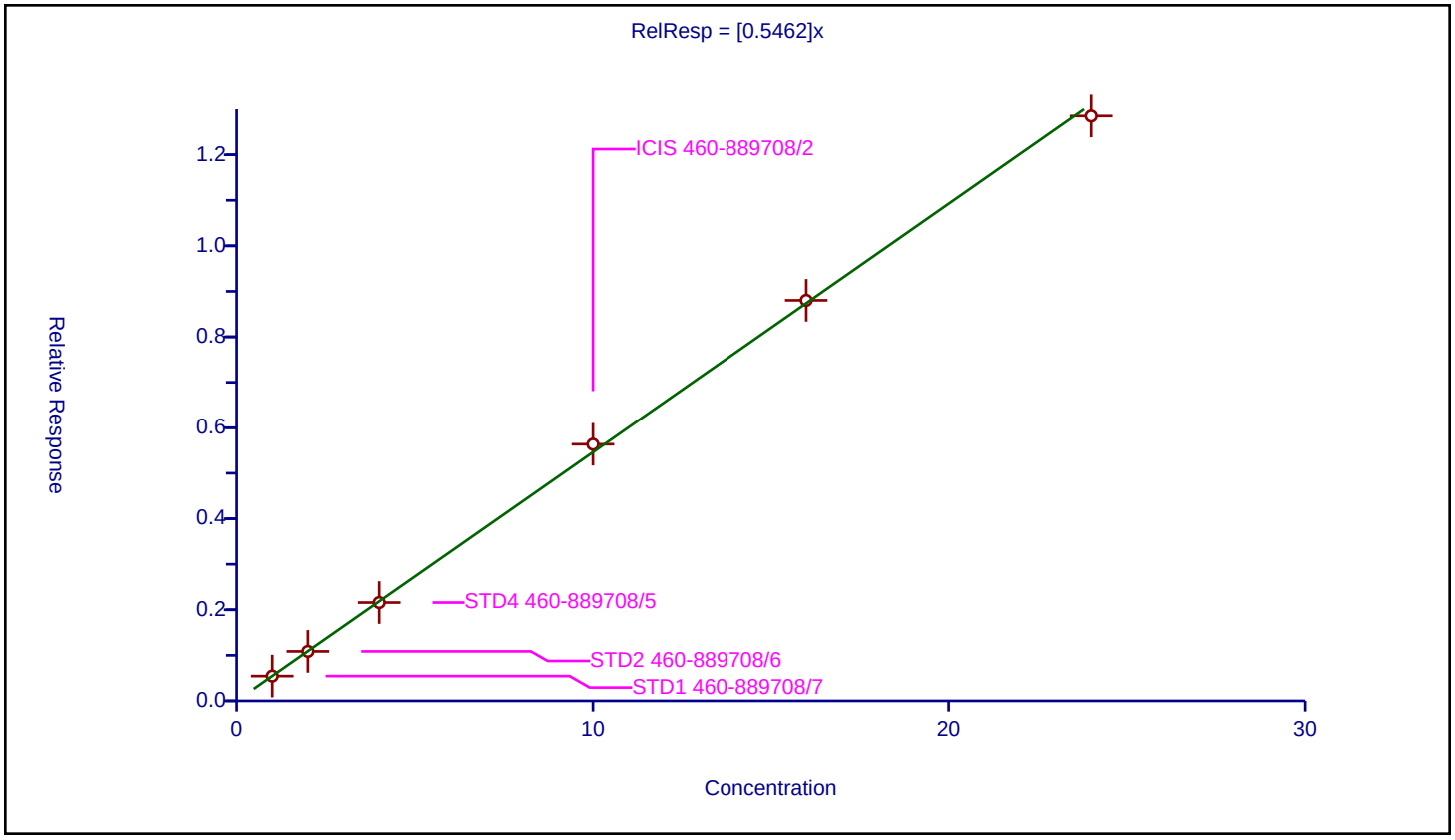
Curve Coefficients

Intercept:	0
Slope:	0.5462

Error Coefficients

Standard Error:	487000
Relative Standard Error:	1.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.544718	8.0	560202.0	0.544718	Y
2	STD2 460-889708/6	2.0	1.086792	8.0	721161.0	0.543396	Y
3	STD4 460-889708/5	4.0	2.158853	8.0	534910.0	0.539713	Y
4	ICIS 460-889708/2	10.0	5.637546	8.0	575422.0	0.563755	Y
5	STD16 460-889708/4	16.0	8.802838	8.0	516099.0	0.550177	Y
6	STD24 460-889708/3	24.0	12.851947	8.0	508426.0	0.535498	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

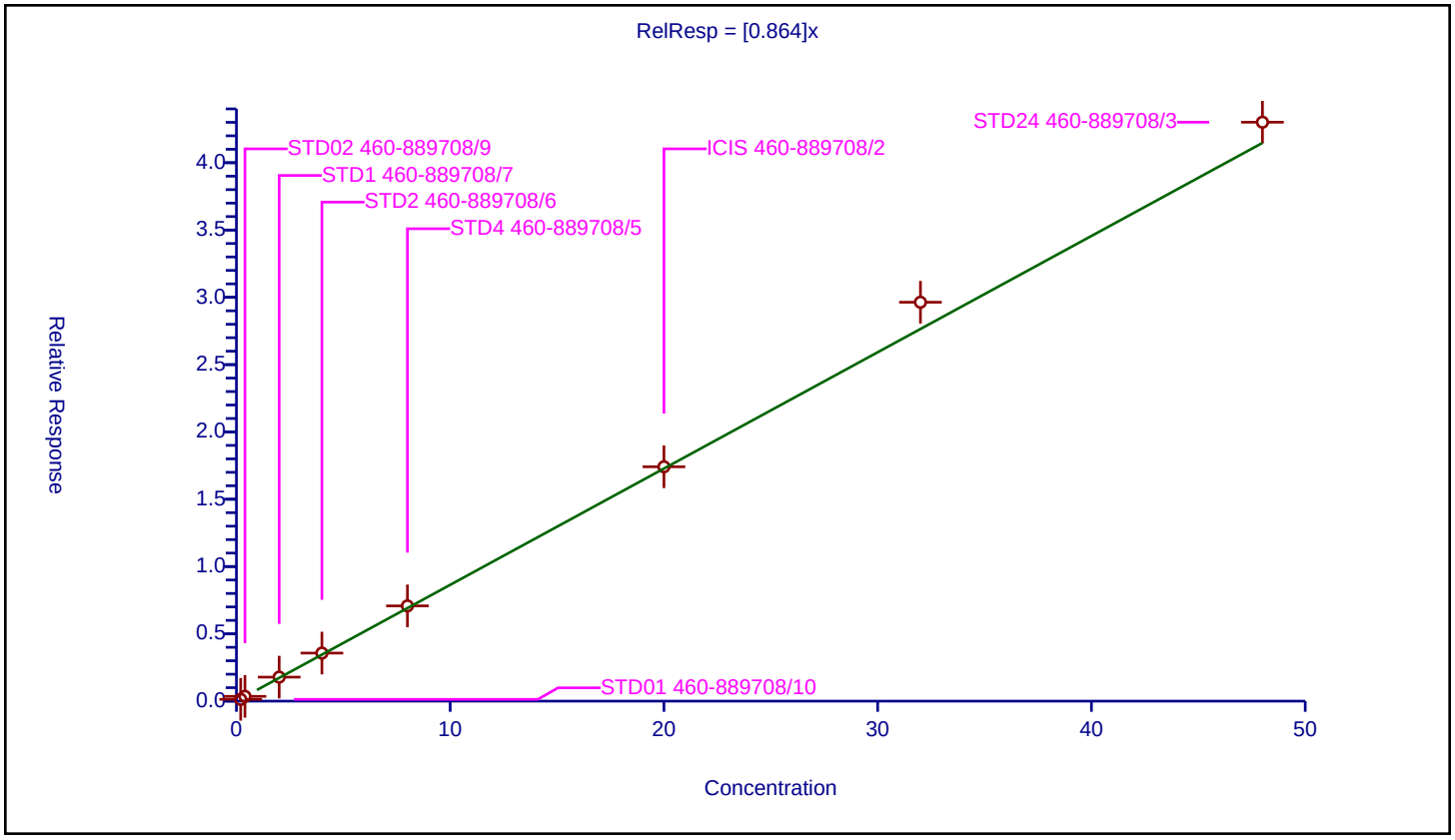
Curve Coefficients

Intercept:	0
Slope:	0.864

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.2	0.132785	8.0	501865.0	0.663924	Y
2	STD02 460-889708/9	0.4	0.354524	8.0	523293.0	0.88631	Y
3	STD1 460-889708/7	2.0	1.783271	8.0	560202.0	0.891636	Y
4	STD2 460-889708/6	4.0	3.57143	8.0	721161.0	0.892857	Y
5	STD4 460-889708/5	8.0	7.075927	8.0	534910.0	0.884491	Y
6	ICIS 460-889708/2	20.0	17.411708	8.0	575422.0	0.870585	Y
7	STD16 460-889708/4	32.0	29.635554	8.0	516099.0	0.926111	Y
8	STD24 460-889708/3	48.0	43.009822	8.0	508426.0	0.896038	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

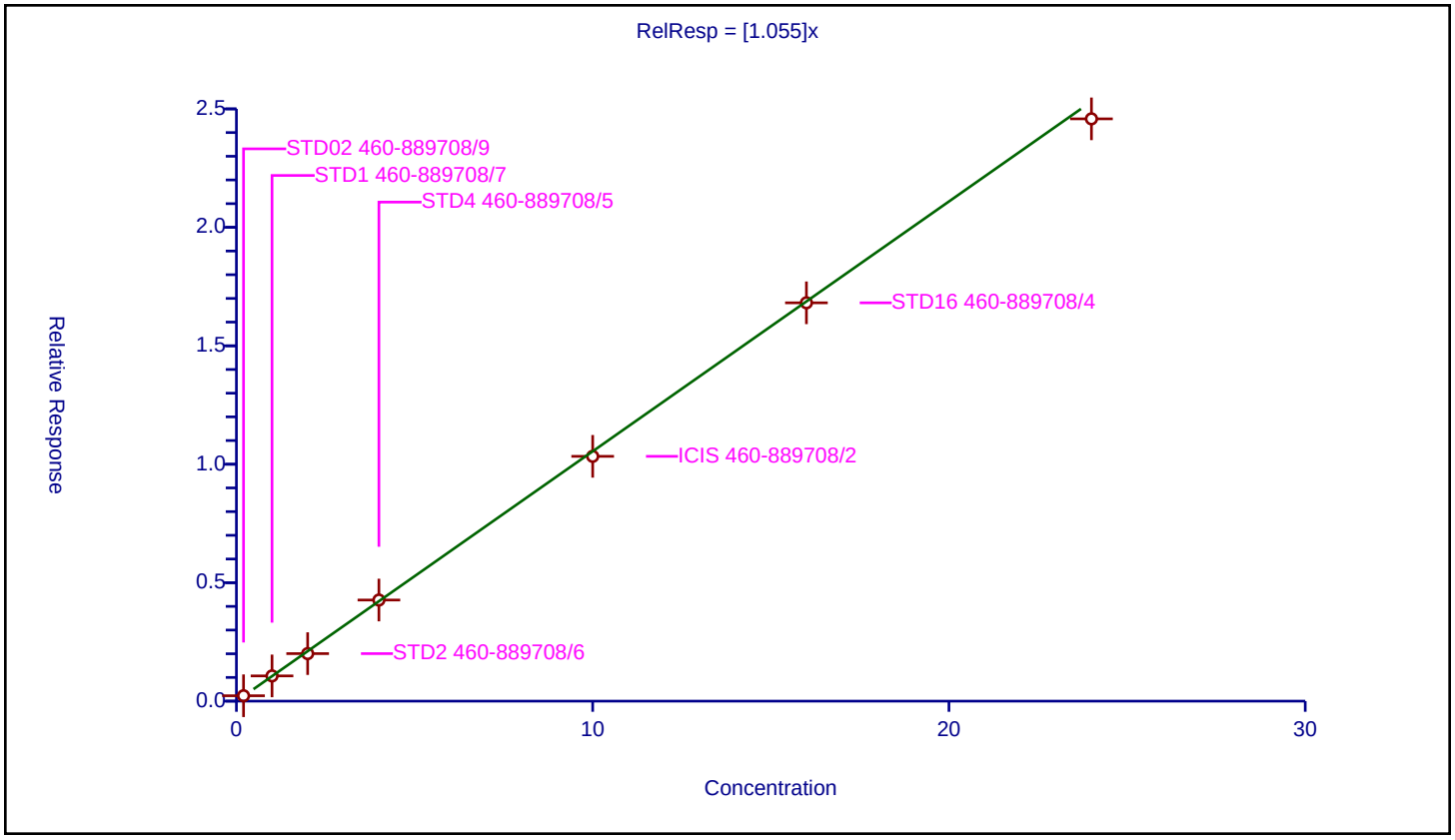
Curve Coefficients

Intercept:	0
Slope:	1.055

Error Coefficients

Standard Error:	845000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.227544	8.0	523293.0	1.137718	Y
2	STD1 460-889708/7	1.0	1.065687	8.0	560202.0	1.065687	Y
3	STD2 460-889708/6	2.0	2.006065	8.0	721161.0	1.003033	Y
4	STD4 460-889708/5	4.0	4.268337	8.0	534910.0	1.067084	Y
5	ICIS 460-889708/2	10.0	10.333564	8.0	575422.0	1.033356	Y
6	STD16 460-889708/4	16.0	16.814417	8.0	516099.0	1.050901	Y
7	STD24 460-889708/3	24.0	24.579876	8.0	508426.0	1.024161	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

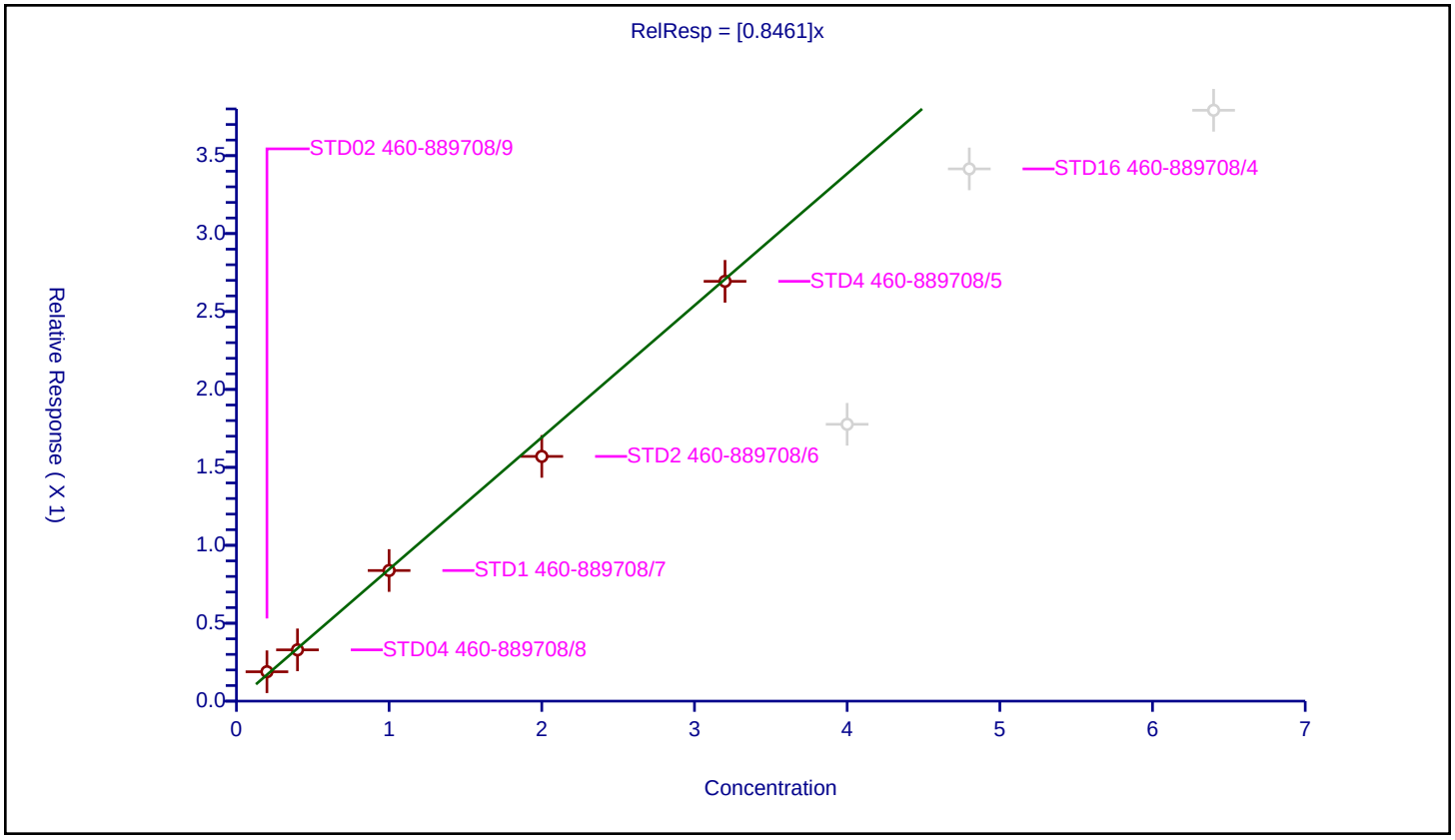
Curve Coefficients

Intercept:	0
Slope:	0.8461

Error Coefficients

Standard Error:	119000
Relative Standard Error:	6.9
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.18859	8.0	523293.0	0.942952	Y
2	STD04 460-889708/8	0.4	0.329042	8.0	511060.0	0.822604	Y
3	STD1 460-889708/7	1.0	0.838183	8.0	560202.0	0.838183	Y
4	STD2 460-889708/6	2.0	1.570257	8.0	721161.0	0.785128	Y
5	STD4 460-889708/5	3.2	2.693642	8.0	534910.0	0.841763	Y
6	ICIS 460-889708/2	4.0	1.776324	8.0	575422.0	0.444081	N
7	STD16 460-889708/4	4.8	3.414973	8.0	516099.0	0.711453	N
8	STD24 460-889708/3	6.4	3.791167	8.0	508426.0	0.59237	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

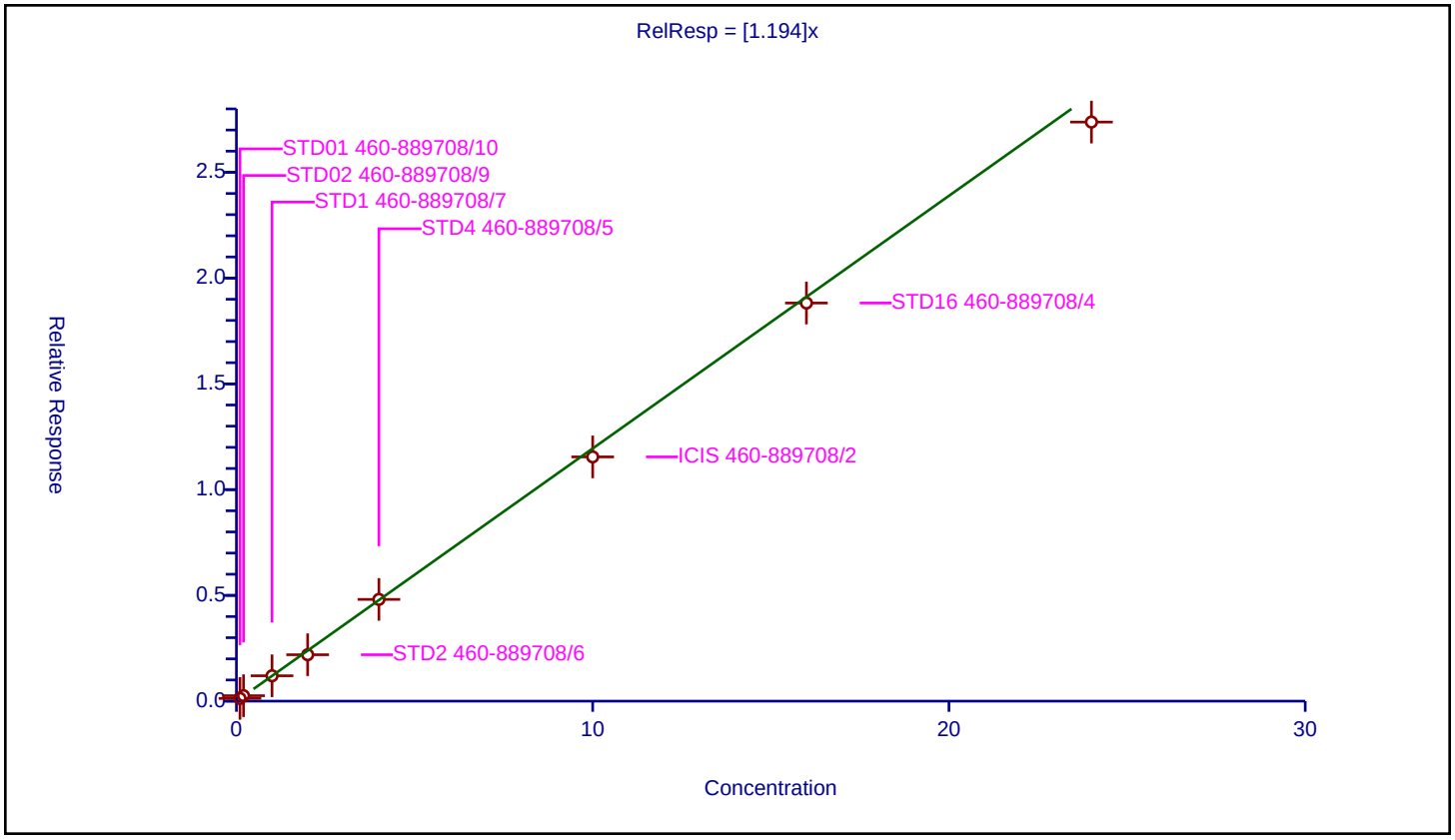
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Standard Error:	874000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.12966	8.0	501865.0	1.296604	Y
2	STD02 460-889708/9	0.2	0.257783	8.0	523293.0	1.288915	Y
3	STD1 460-889708/7	1.0	1.19901	8.0	560202.0	1.19901	Y
4	STD2 460-889708/6	2.0	2.194251	8.0	721161.0	1.097125	Y
5	STD4 460-889708/5	4.0	4.809766	8.0	534910.0	1.202442	Y
6	ICIS 460-889708/2	10.0	11.548019	8.0	575422.0	1.154802	Y
7	STD16 460-889708/4	16.0	18.82149	8.0	516099.0	1.176343	Y
8	STD24 460-889708/3	24.0	27.376979	8.0	508426.0	1.140707	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

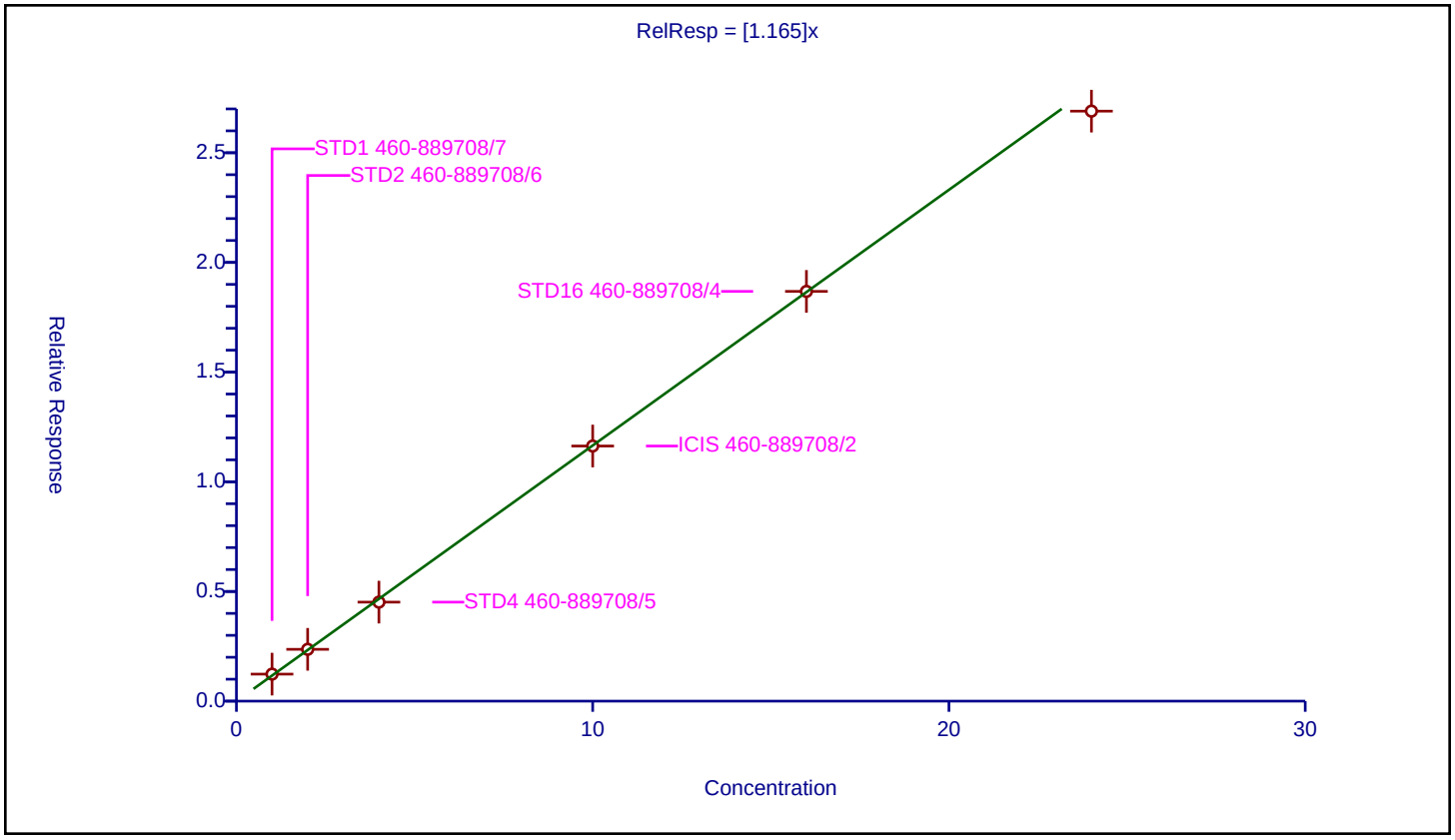
Curve Coefficients

Intercept:	0
Slope:	1.165

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	3.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.23217	8.0	560202.0	1.23217	Y
2	STD2 460-889708/6	2.0	2.361836	8.0	721161.0	1.180918	Y
3	STD4 460-889708/5	4.0	4.51433	8.0	534910.0	1.128582	Y
4	ICIS 460-889708/2	10.0	11.630171	8.0	575422.0	1.163017	Y
5	STD16 460-889708/4	16.0	18.679718	8.0	516099.0	1.167482	Y
6	STD24 460-889708/3	24.0	26.898262	8.0	508426.0	1.120761	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

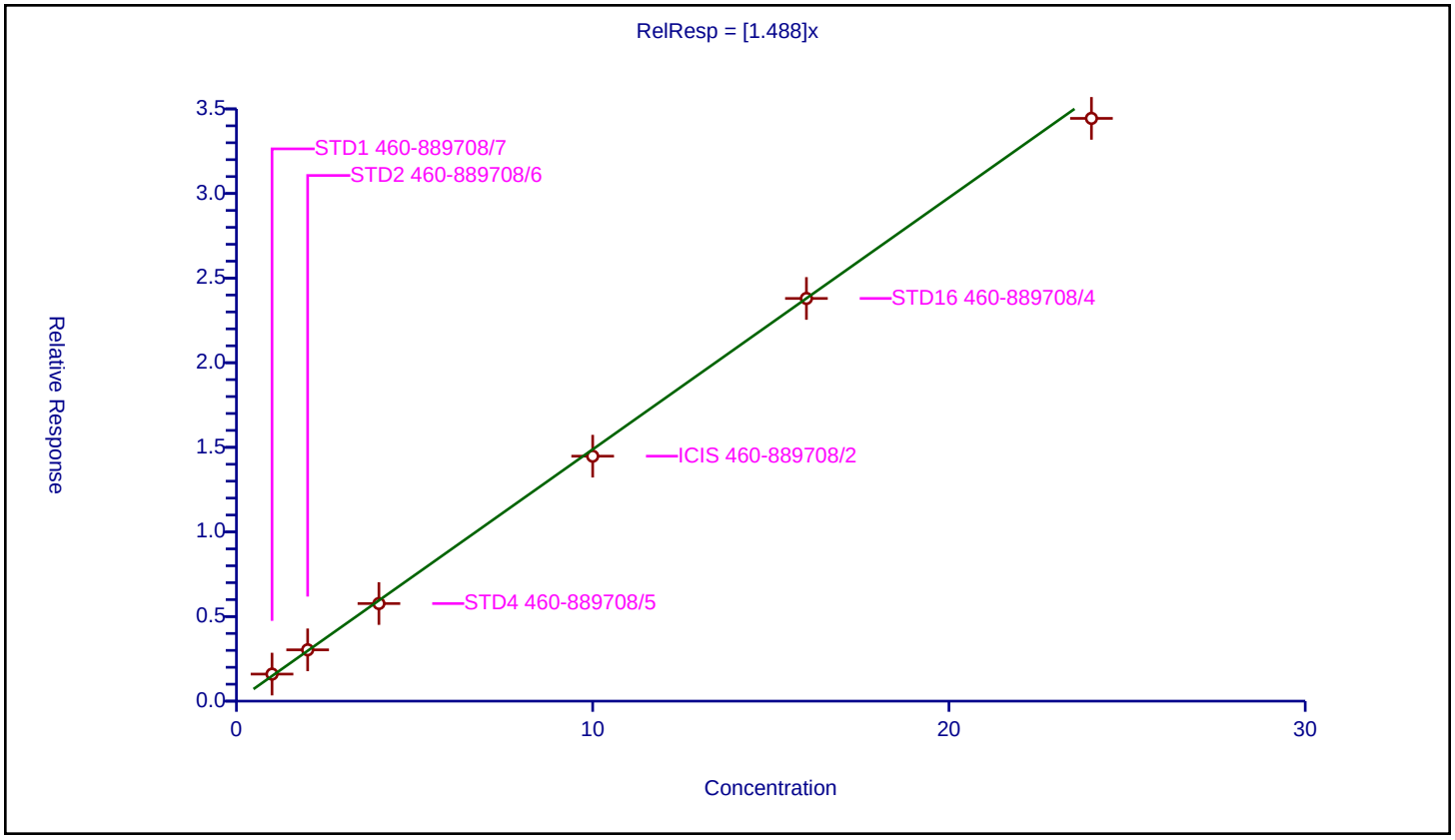
Curve Coefficients

Intercept:	0
Slope:	1.488

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	4.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.598752	8.0	560202.0	1.598752	Y
2	STD2 460-889708/6	2.0	3.0317	8.0	721161.0	1.51585	Y
3	STD4 460-889708/5	4.0	5.767909	8.0	534910.0	1.441977	Y
4	ICIS 460-889708/2	10.0	14.476819	8.0	575422.0	1.447682	Y
5	STD16 460-889708/4	16.0	23.798116	8.0	516099.0	1.487382	Y
6	STD24 460-889708/3	24.0	34.440017	8.0	508426.0	1.435001	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

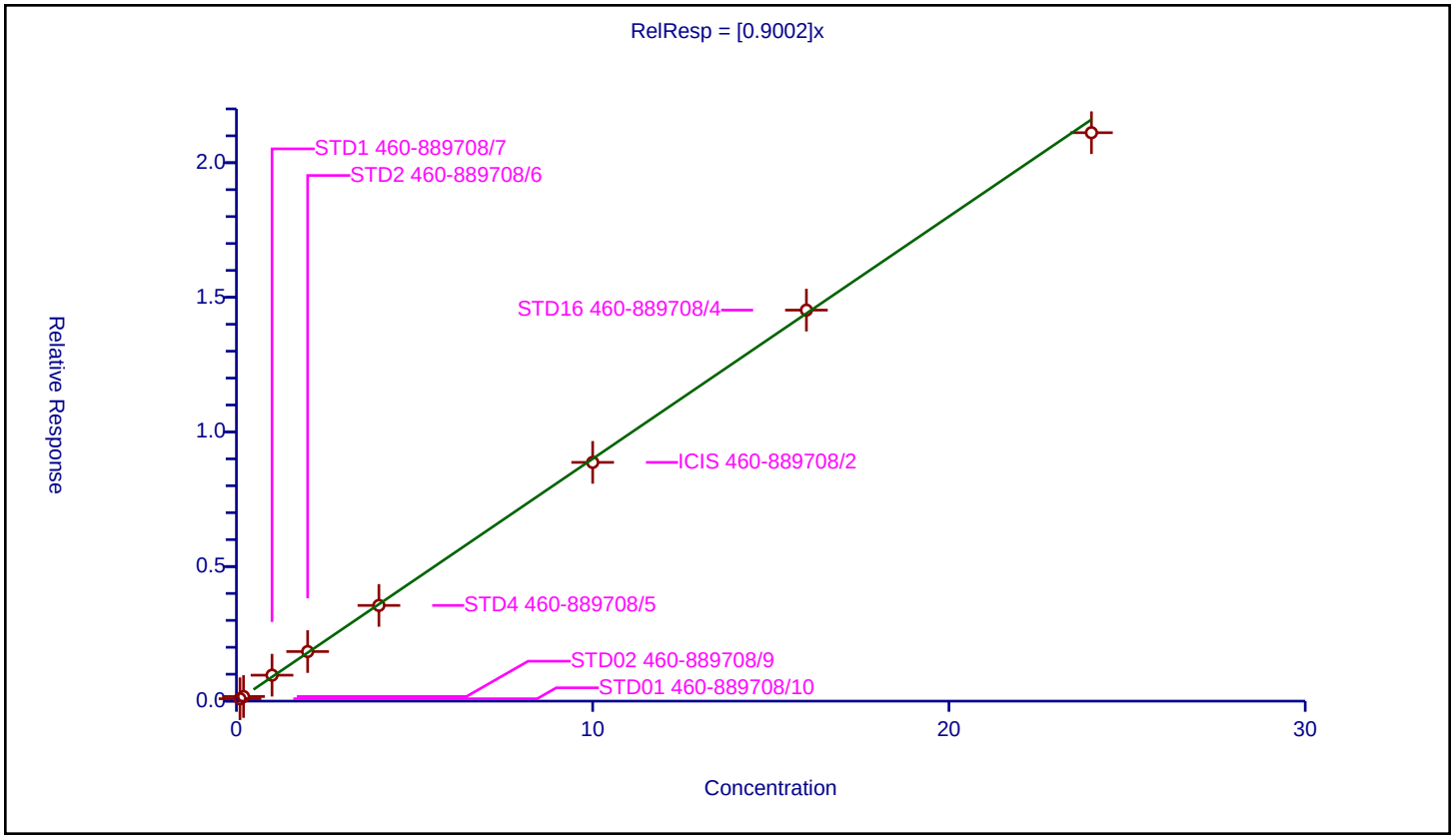
Curve Coefficients

Intercept:	0
Slope:	0.9002

Error Coefficients

Standard Error:	673000
Relative Standard Error:	3.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.089618	8.0	501865.0	0.896177	Y
2	STD02 460-889708/9	0.2	0.171453	8.0	523293.0	0.857264	Y
3	STD1 460-889708/7	1.0	0.963867	8.0	560202.0	0.963867	Y
4	STD2 460-889708/6	2.0	1.84132	8.0	721161.0	0.92066	Y
5	STD4 460-889708/5	4.0	3.5552	8.0	534910.0	0.8888	Y
6	ICIS 460-889708/2	10.0	8.868983	8.0	575422.0	0.886898	Y
7	STD16 460-889708/4	16.0	14.525756	8.0	516099.0	0.90786	Y
8	STD24 460-889708/3	24.0	21.11549	8.0	508426.0	0.879812	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

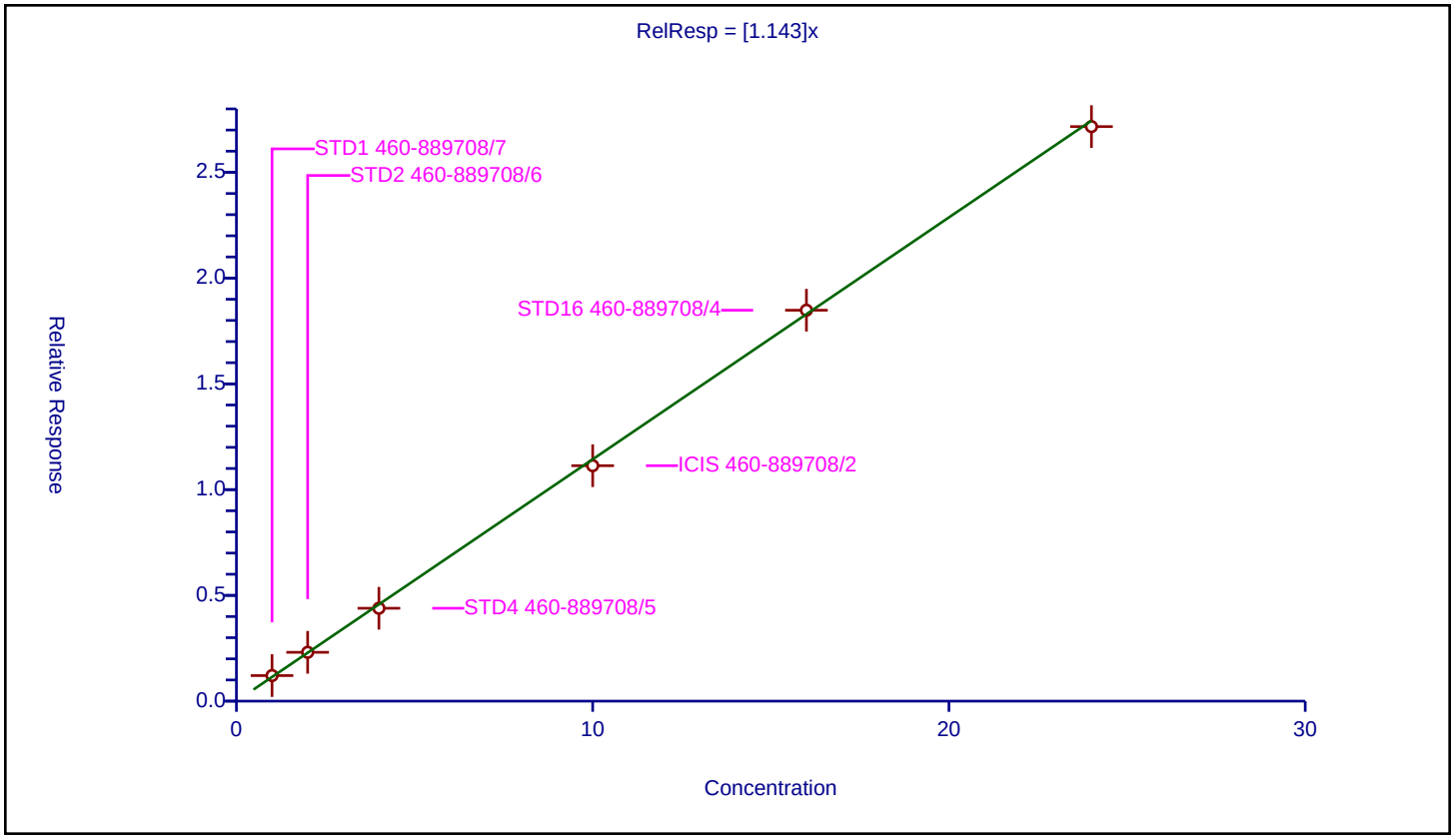
Curve Coefficients

Intercept:	0
Slope:	1.143

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	3.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.208707	8.0	560202.0	1.208707	Y
2	STD2 460-889708/6	2.0	2.308367	8.0	721161.0	1.154183	Y
3	STD4 460-889708/5	4.0	4.391587	8.0	534910.0	1.097897	Y
4	ICIS 460-889708/2	10.0	11.131948	8.0	575422.0	1.113195	Y
5	STD16 460-889708/4	16.0	18.482004	8.0	516099.0	1.155125	Y
6	STD24 460-889708/3	24.0	27.162718	8.0	508426.0	1.13178	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

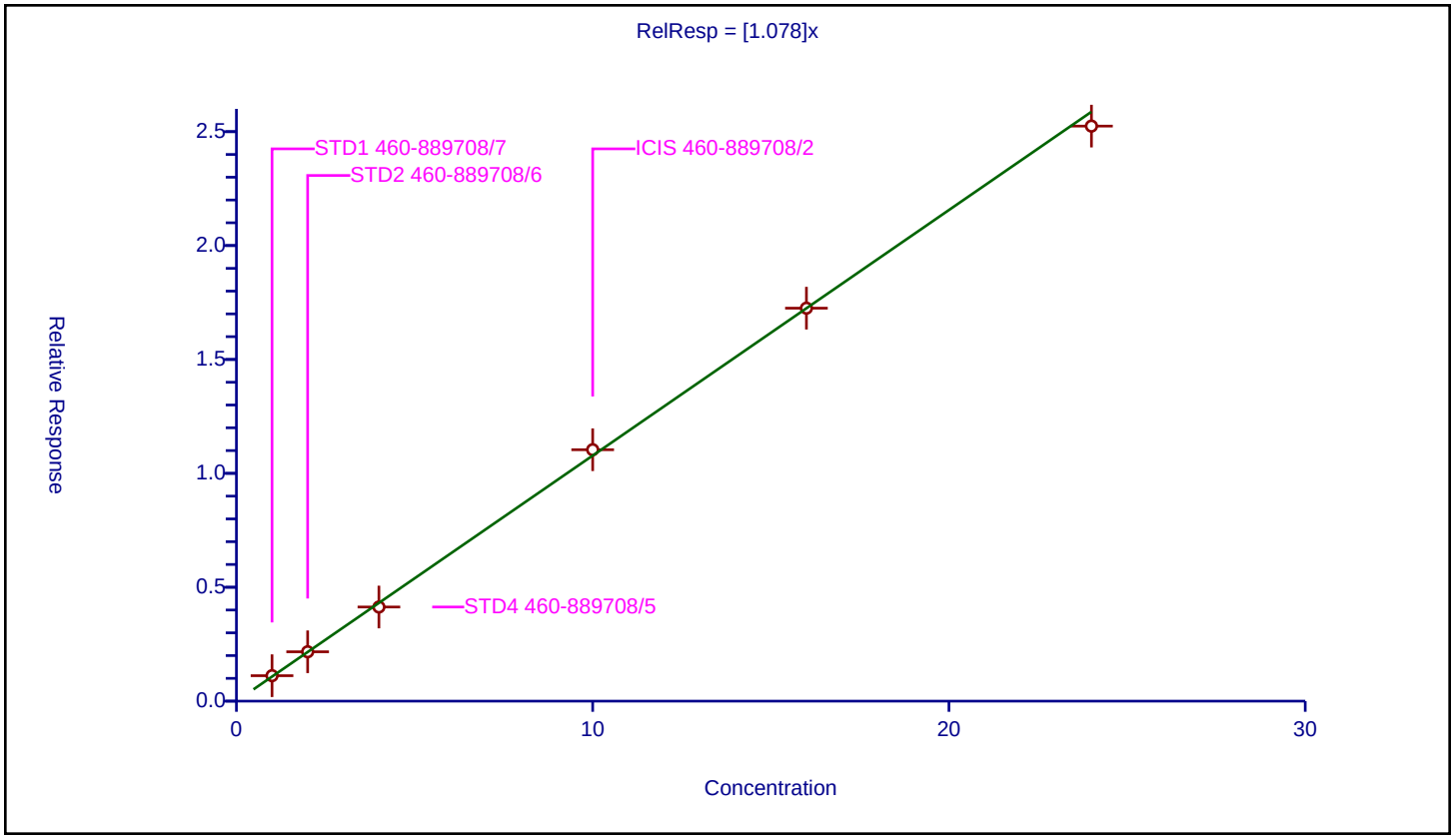
Curve Coefficients

Intercept:	0
Slope:	1.078

Error Coefficients

Standard Error:	955000
Relative Standard Error:	2.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.117311	8.0	560202.0	1.117311	Y
2	STD2 460-889708/6	2.0	2.167705	8.0	721161.0	1.083852	Y
3	STD4 460-889708/5	4.0	4.132134	8.0	534910.0	1.033034	Y
4	ICIS 460-889708/2	10.0	11.037506	8.0	575422.0	1.103751	Y
5	STD16 460-889708/4	16.0	17.251434	8.0	516099.0	1.078215	Y
6	STD24 460-889708/3	24.0	25.244783	8.0	508426.0	1.051866	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

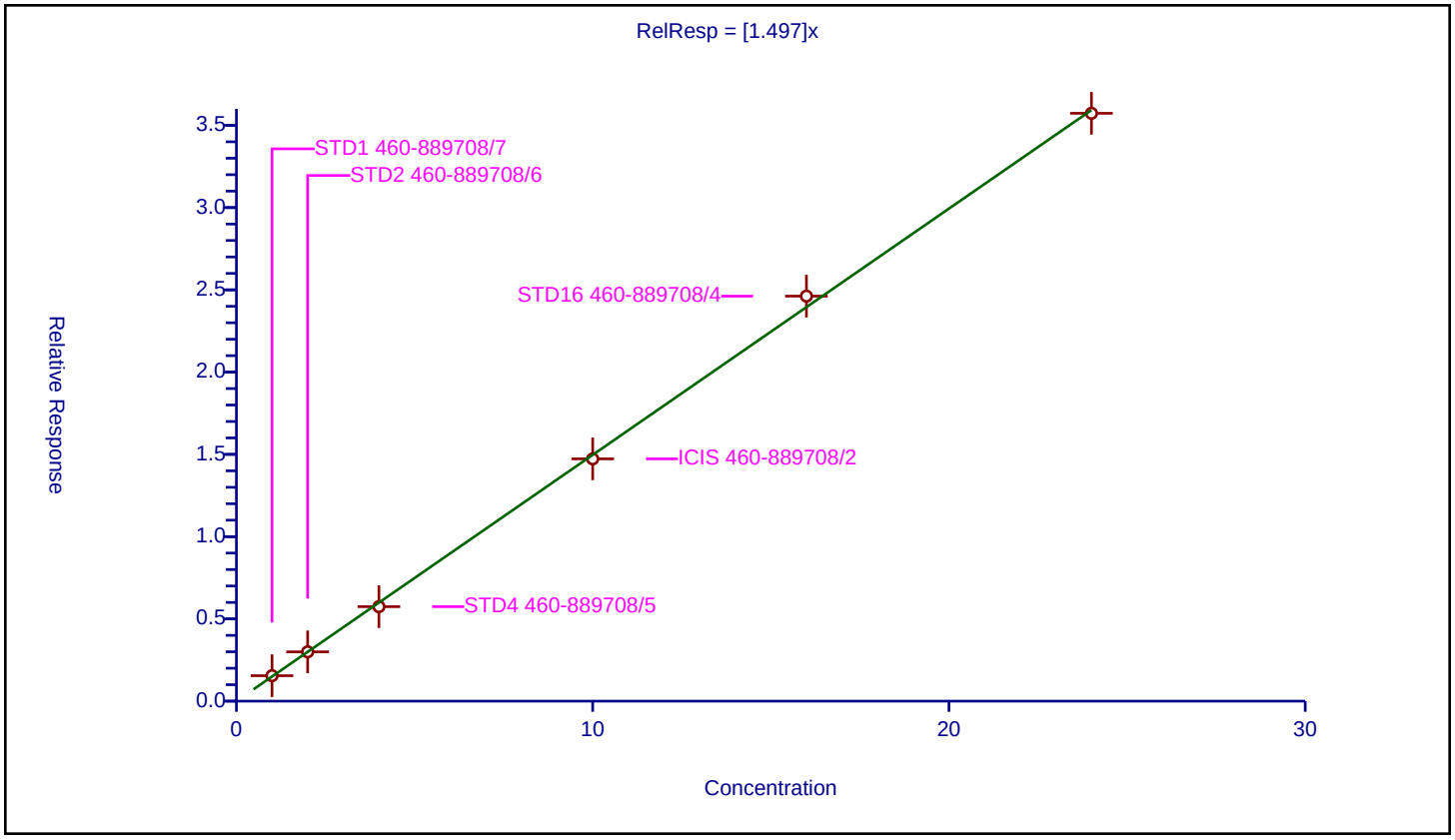
Curve Coefficients

Intercept:	0
Slope:	1.497

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	2.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.546228	8.0	560202.0	1.546228	Y
2	STD2 460-889708/6	2.0	2.997899	8.0	721161.0	1.49895	Y
3	STD4 460-889708/5	4.0	5.743097	8.0	534910.0	1.435774	Y
4	ICIS 460-889708/2	10.0	14.726959	8.0	575422.0	1.472696	Y
5	STD16 460-889708/4	16.0	24.618548	8.0	516099.0	1.538659	Y
6	STD24 460-889708/3	24.0	35.730919	8.0	508426.0	1.488788	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

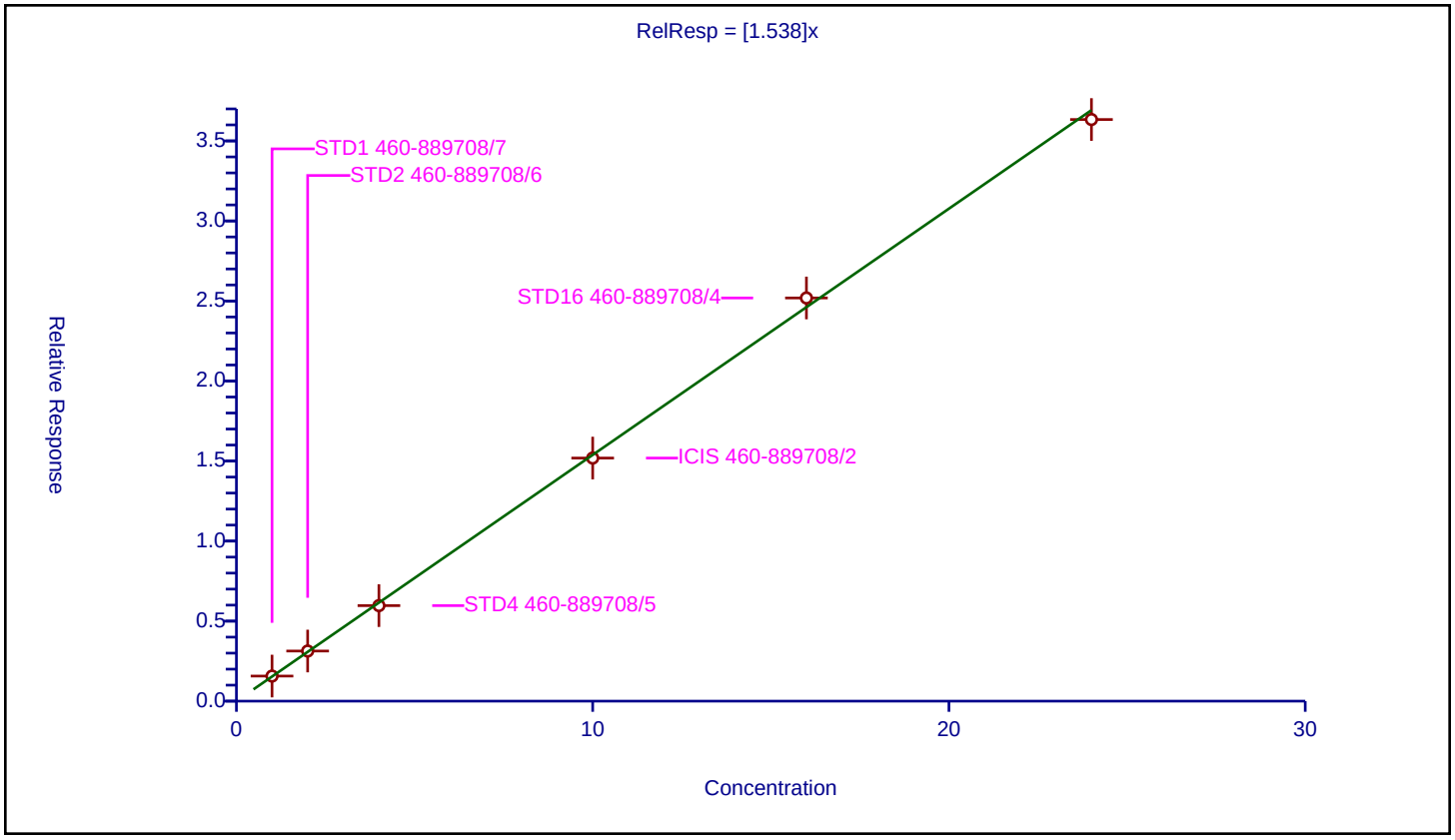
Curve Coefficients

Intercept:	0
Slope:	1.538

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	2.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.565807	8.0	560202.0	1.565807	Y
2	STD2 460-889708/6	2.0	3.130985	8.0	721161.0	1.565492	Y
3	STD4 460-889708/5	4.0	5.967419	8.0	534910.0	1.491855	Y
4	ICIS 460-889708/2	10.0	15.185599	8.0	575422.0	1.51856	Y
5	STD16 460-889708/4	16.0	25.186982	8.0	516099.0	1.574186	Y
6	STD24 460-889708/3	24.0	36.33564	8.0	508426.0	1.513985	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

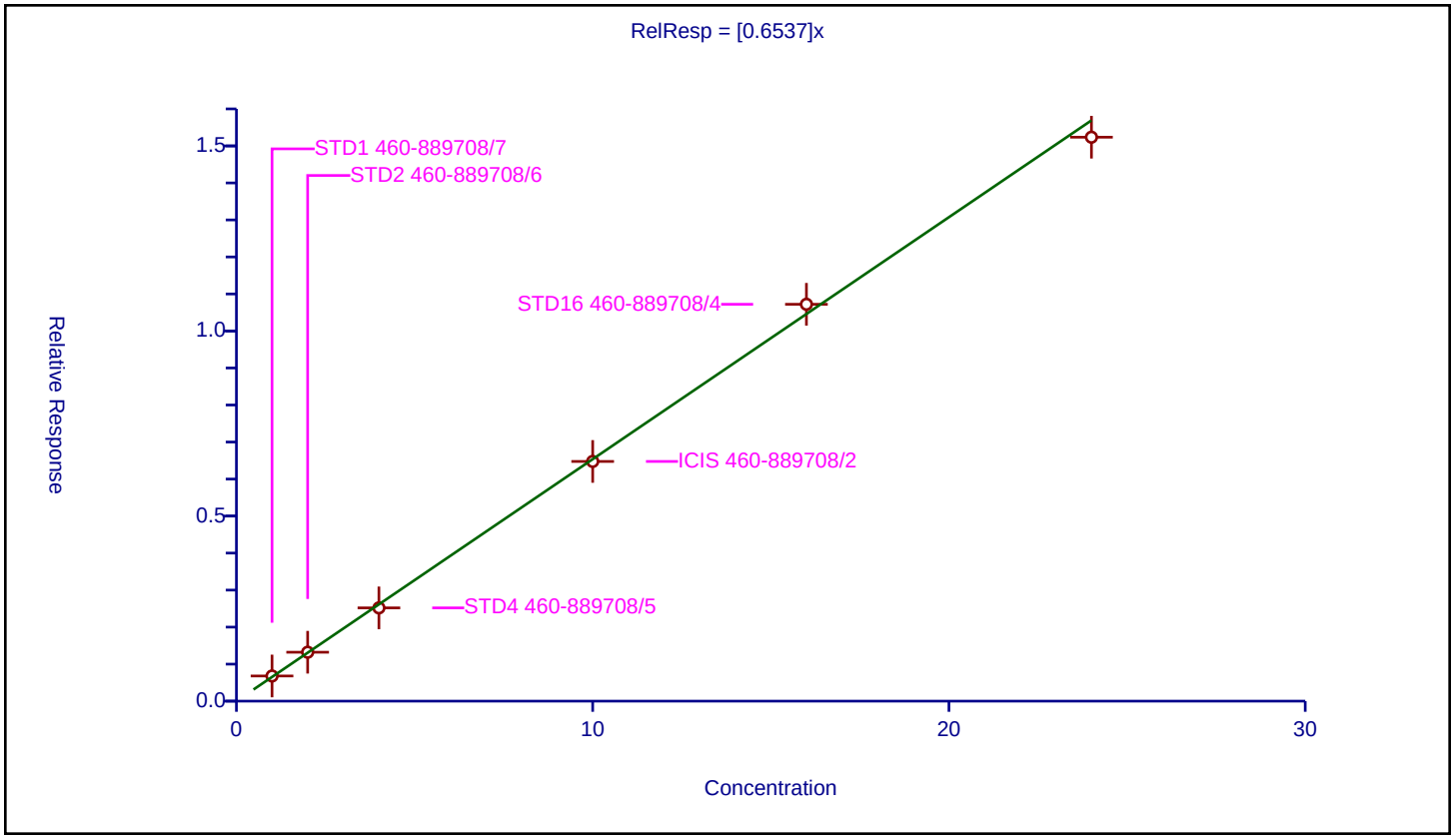
Curve Coefficients

Intercept:	0
Slope:	0.6537

Error Coefficients

Standard Error:	579000
Relative Standard Error:	3.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.679483	8.0	560202.0	0.679483	Y
2	STD2 460-889708/6	2.0	1.321181	8.0	721161.0	0.66059	Y
3	STD4 460-889708/5	4.0	2.519198	8.0	534910.0	0.629799	Y
4	ICIS 460-889708/2	10.0	6.475234	8.0	575422.0	0.647523	Y
5	STD16 460-889708/4	16.0	10.721602	8.0	516099.0	0.6701	Y
6	STD24 460-889708/3	24.0	15.235004	8.0	508426.0	0.634792	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

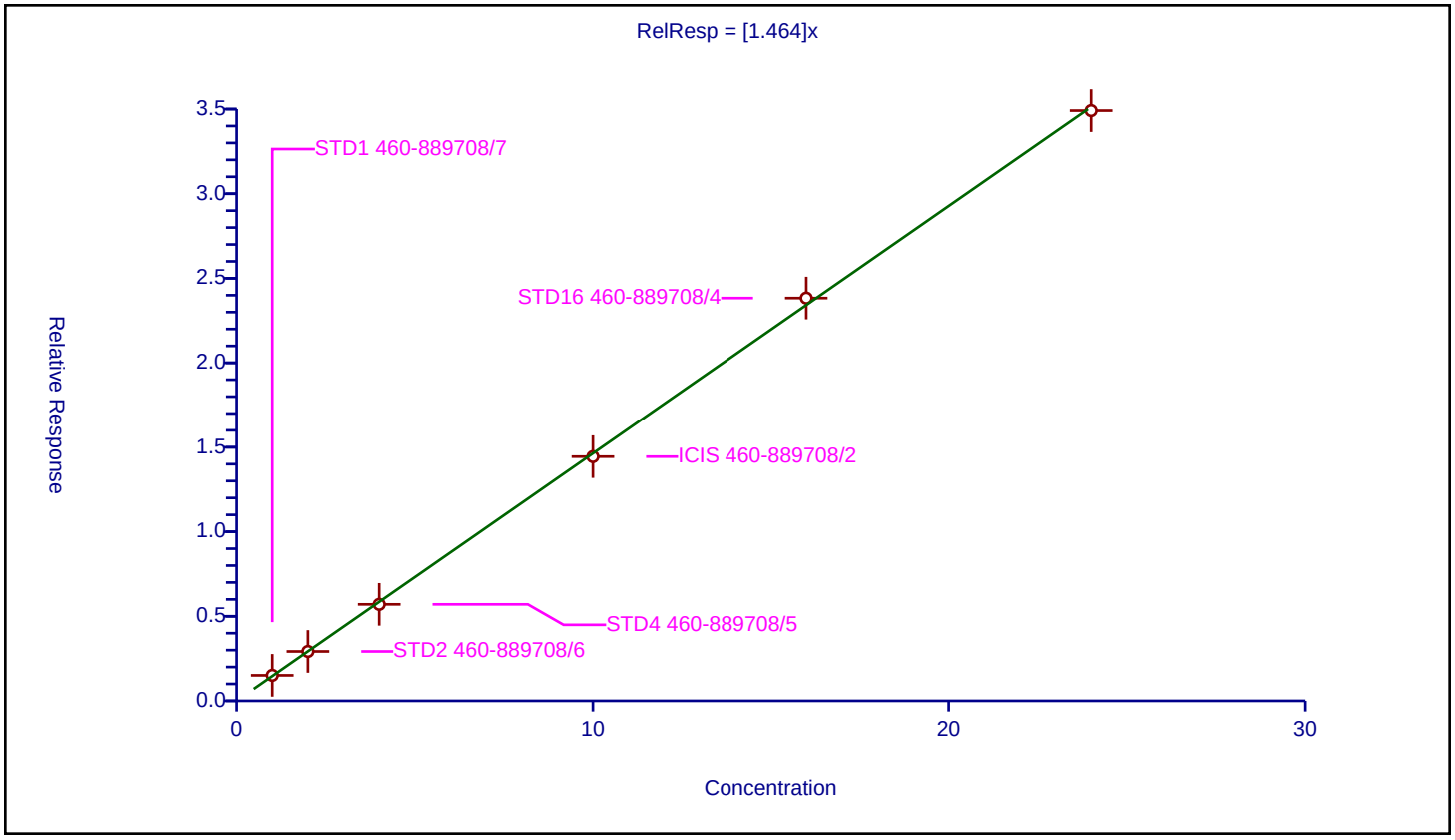
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	2.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.506357	8.0	560202.0	1.506357	Y
2	STD2 460-889708/6	2.0	2.920424	8.0	721161.0	1.460212	Y
3	STD4 460-889708/5	4.0	5.7065	8.0	534910.0	1.426625	Y
4	ICIS 460-889708/2	10.0	14.445732	8.0	575422.0	1.444573	Y
5	STD16 460-889708/4	16.0	23.830885	8.0	516099.0	1.48943	Y
6	STD24 460-889708/3	24.0	34.909922	8.0	508426.0	1.45458	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

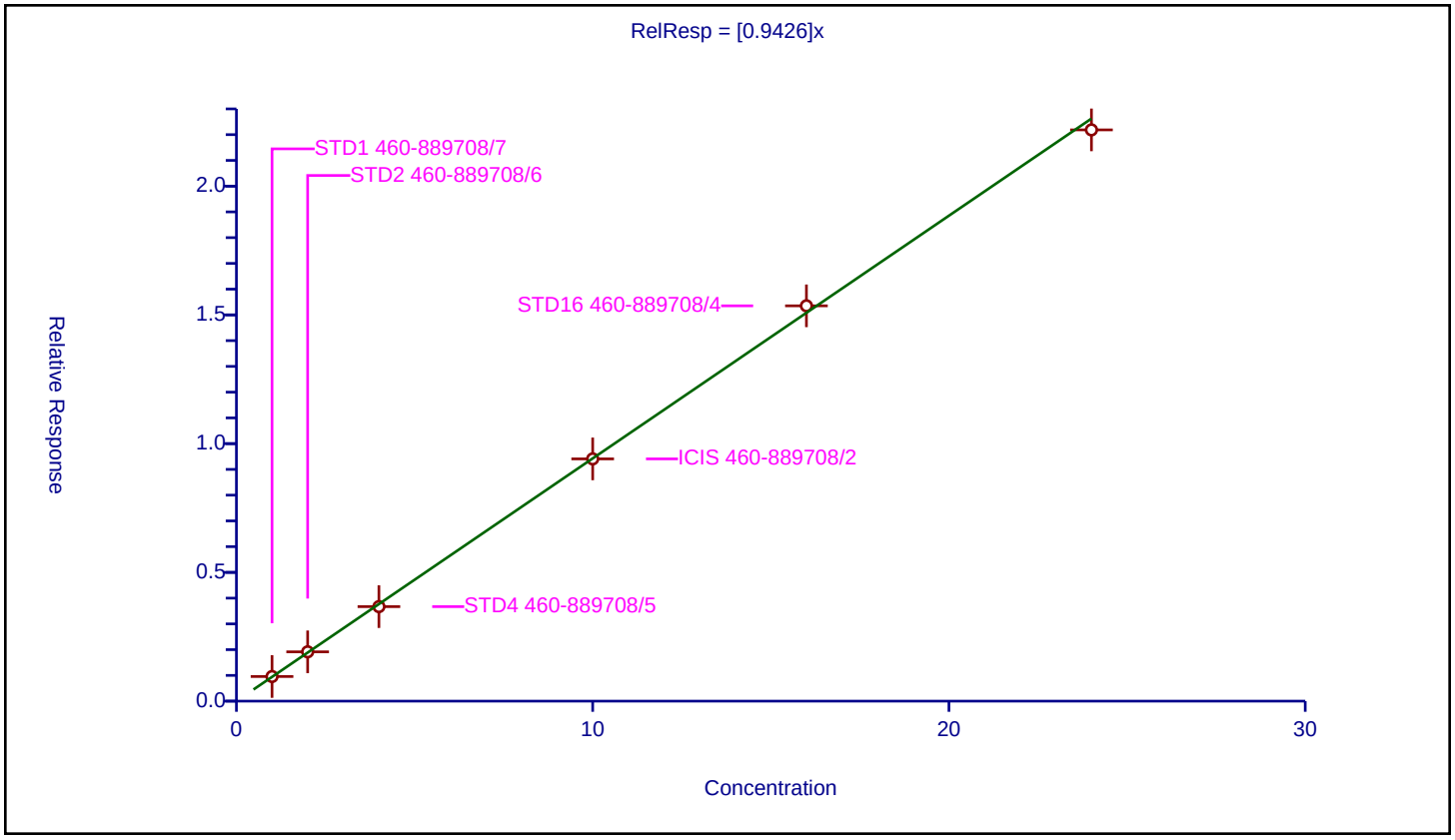
Curve Coefficients

Intercept:	0
Slope:	0.9426

Error Coefficients

Standard Error:	839000
Relative Standard Error:	1.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.955841	8.0	560202.0	0.955841	Y
2	STD2 460-889708/6	2.0	1.915278	8.0	721161.0	0.957639	Y
3	STD4 460-889708/5	4.0	3.670524	8.0	534910.0	0.917631	Y
4	ICIS 460-889708/2	10.0	9.407315	8.0	575422.0	0.940731	Y
5	STD16 460-889708/4	16.0	15.351799	8.0	516099.0	0.959487	Y
6	STD24 460-889708/3	24.0	22.184656	8.0	508426.0	0.924361	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

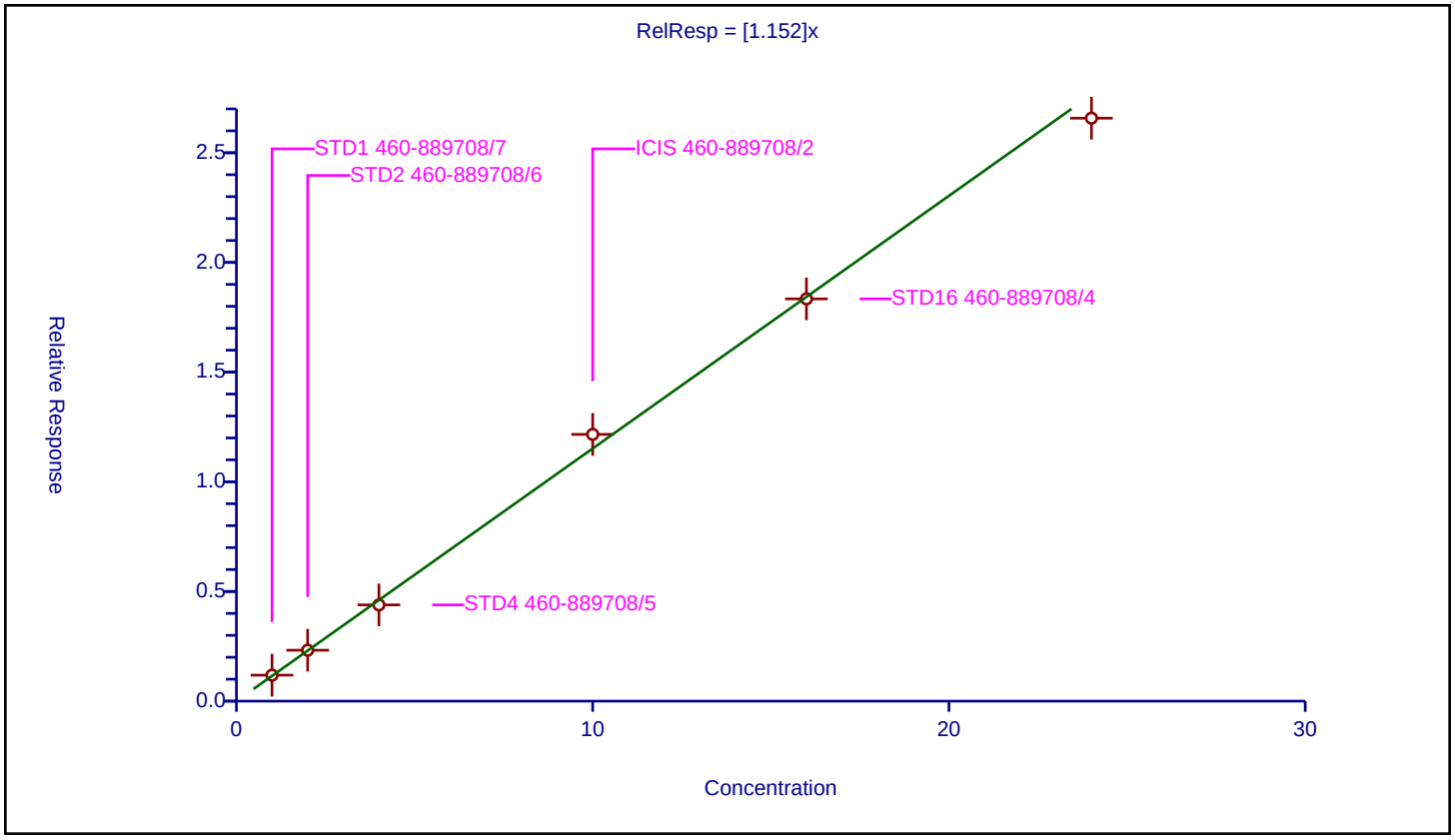
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	3.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.183887	8.0	560202.0	1.183887	Y
2	STD2 460-889708/6	2.0	2.320658	8.0	721161.0	1.160329	Y
3	STD4 460-889708/5	4.0	4.387789	8.0	534910.0	1.096947	Y
4	ICIS 460-889708/2	10.0	12.161481	8.0	575422.0	1.216148	Y
5	STD16 460-889708/4	16.0	18.338916	8.0	516099.0	1.146182	Y
6	STD24 460-889708/3	24.0	26.576249	8.0	508426.0	1.107344	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

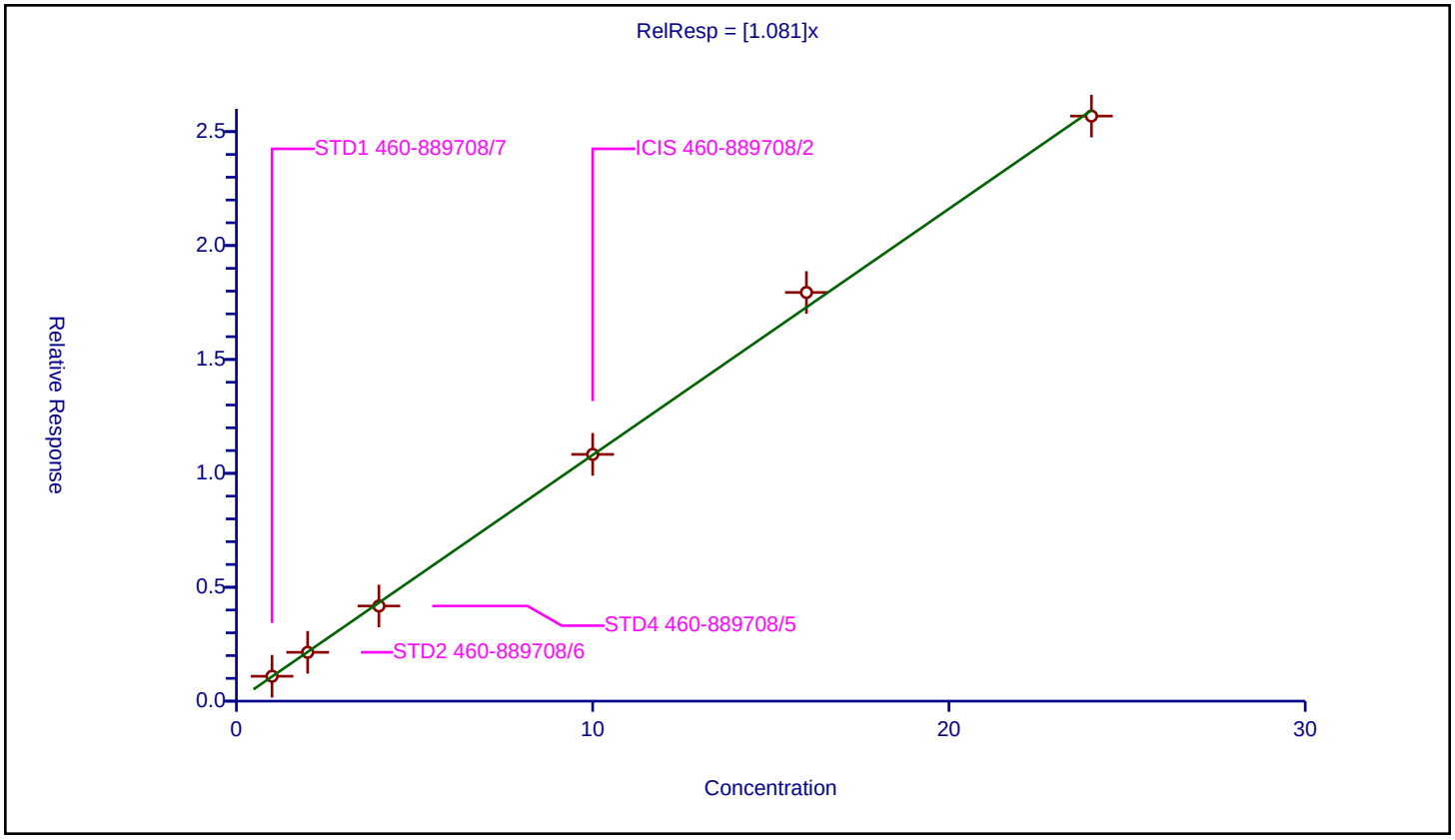
Curve Coefficients

Intercept:	0
Slope:	1.081

Error Coefficients

Standard Error:	973000
Relative Standard Error:	2.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.09322	8.0	560202.0	1.09322	Y
2	STD2 460-889708/6	2.0	2.14371	8.0	721161.0	1.071855	Y
3	STD4 460-889708/5	4.0	4.176015	8.0	534910.0	1.044004	Y
4	ICIS 460-889708/2	10.0	10.832036	8.0	575422.0	1.083204	Y
5	STD16 460-889708/4	16.0	17.941643	8.0	516099.0	1.121353	Y
6	STD24 460-889708/3	24.0	25.684288	8.0	508426.0	1.070179	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

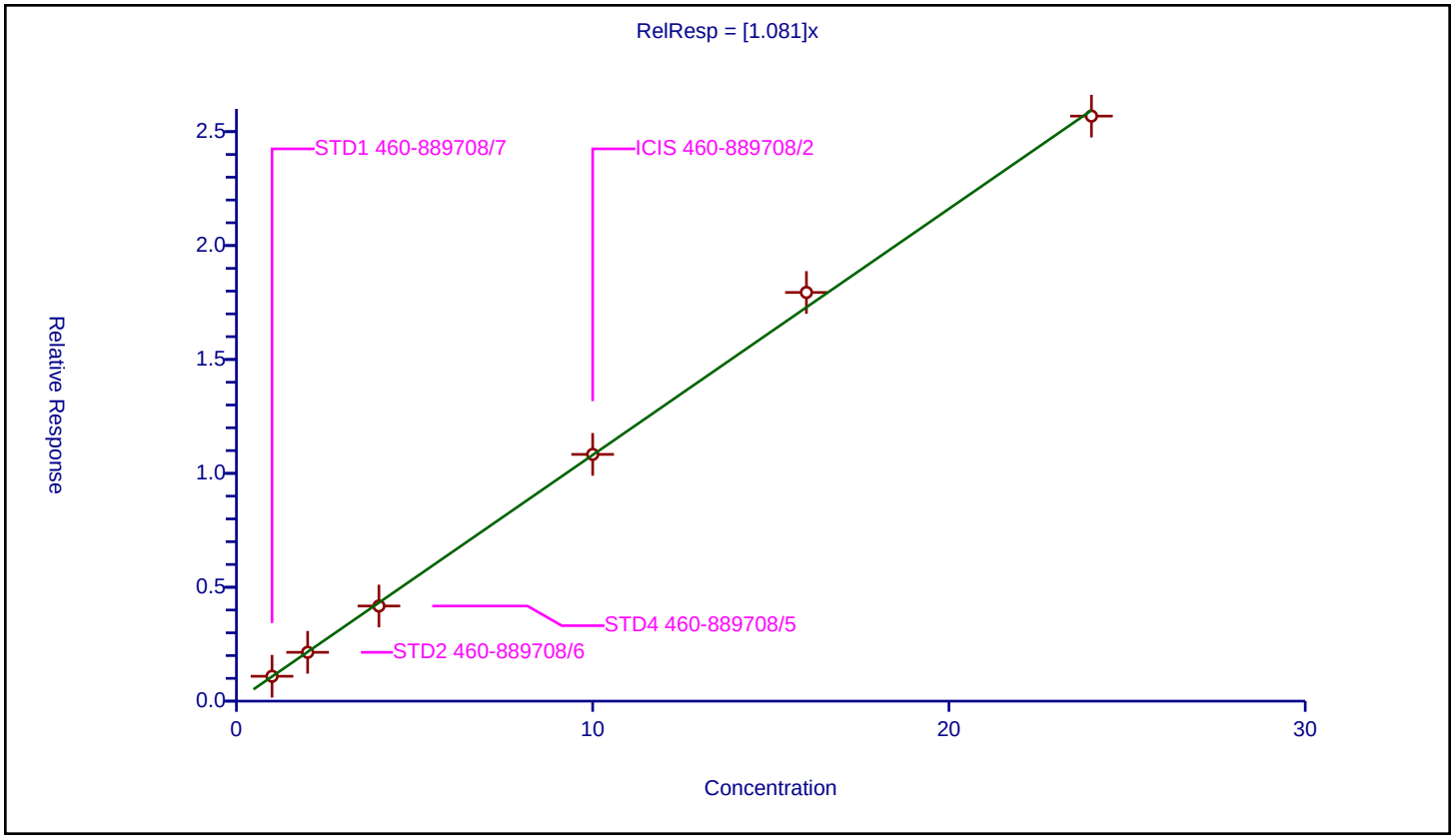
Curve Coefficients

Intercept:	0
Slope:	1.081

Error Coefficients

Standard Error:	973000
Relative Standard Error:	2.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.09322	8.0	560202.0	1.09322	Y
2	STD2 460-889708/6	2.0	2.14371	8.0	721161.0	1.071855	Y
3	STD4 460-889708/5	4.0	4.176015	8.0	534910.0	1.044004	Y
4	ICIS 460-889708/2	10.0	10.832036	8.0	575422.0	1.083204	Y
5	STD16 460-889708/4	16.0	17.941643	8.0	516099.0	1.121353	Y
6	STD24 460-889708/3	24.0	25.684288	8.0	508426.0	1.070179	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

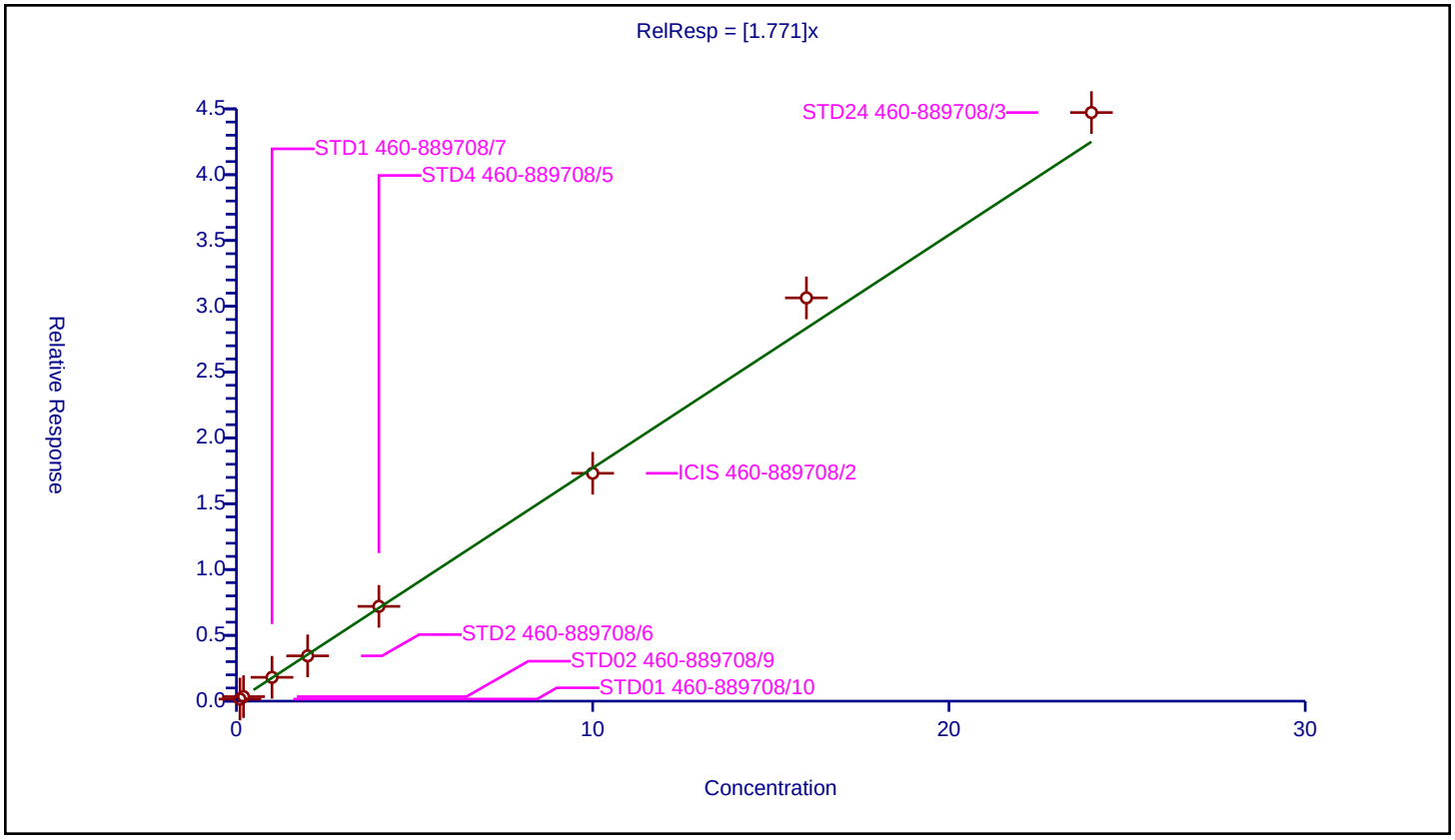
Curve Coefficients

Intercept:	0
Slope:	1.771

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.160856	8.0	501865.0	1.60856	Y
2	STD02 460-889708/9	0.2	0.34344	8.0	523293.0	1.717202	Y
3	STD1 460-889708/7	1.0	1.811147	8.0	560202.0	1.811147	Y
4	STD2 460-889708/6	2.0	3.441806	8.0	721161.0	1.720903	Y
5	STD4 460-889708/5	4.0	7.201241	8.0	534910.0	1.80031	Y
6	ICIS 460-889708/2	10.0	17.312956	8.0	575422.0	1.731296	Y
7	STD16 460-889708/4	16.0	30.639982	8.0	516099.0	1.914999	Y
8	STD24 460-889708/3	24.0	44.721757	8.0	508426.0	1.863407	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

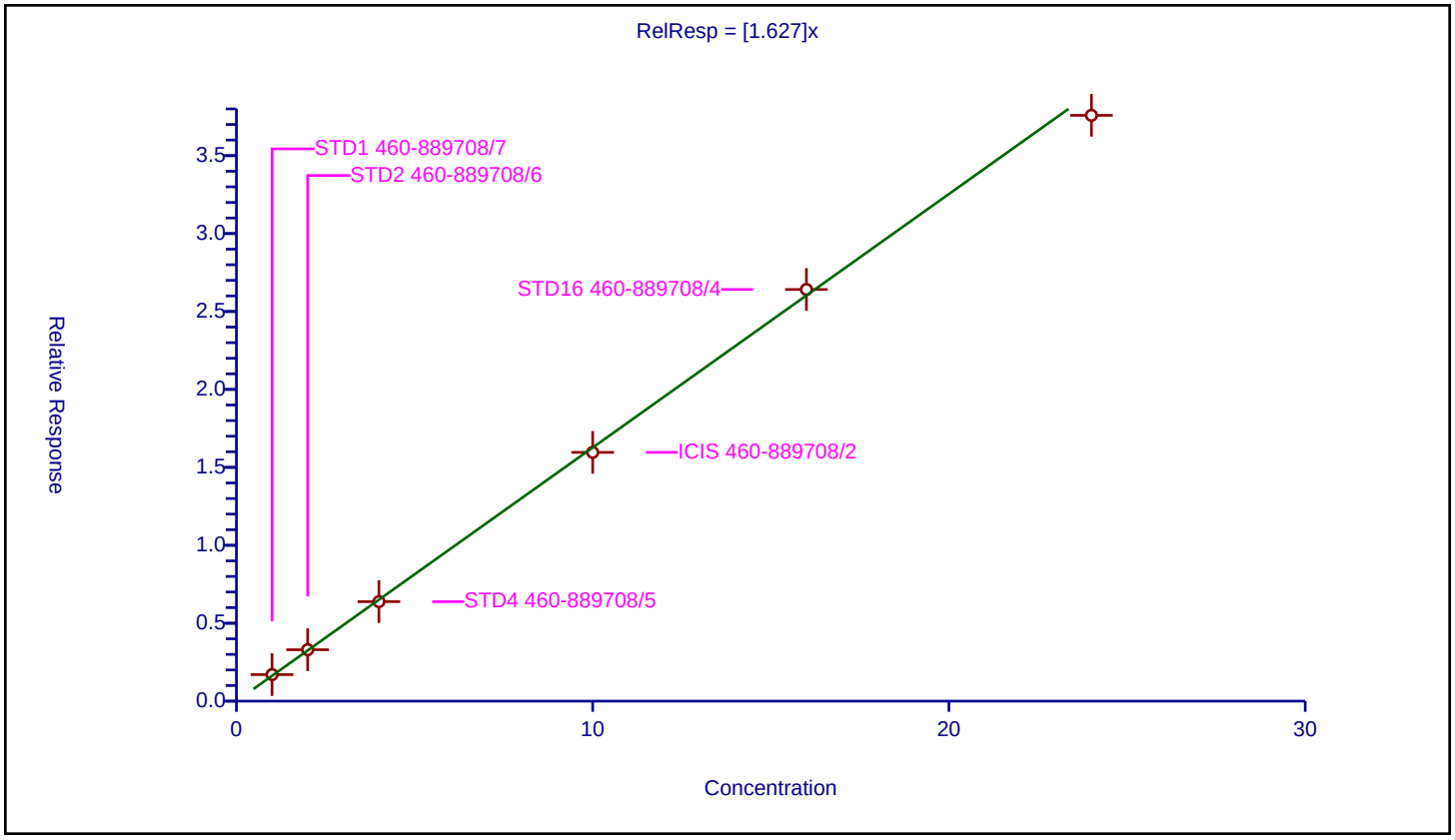
Curve Coefficients

Intercept:	0
Slope:	1.627

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	3.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.703414	8.0	560202.0	1.703414	Y
2	STD2 460-889708/6	2.0	3.298503	8.0	721161.0	1.649252	Y
3	STD4 460-889708/5	4.0	6.383982	8.0	534910.0	1.595996	Y
4	ICIS 460-889708/2	10.0	15.962518	8.0	575422.0	1.596252	Y
5	STD16 460-889708/4	16.0	26.413521	8.0	516099.0	1.650845	Y
6	STD24 460-889708/3	24.0	37.586827	8.0	508426.0	1.566118	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

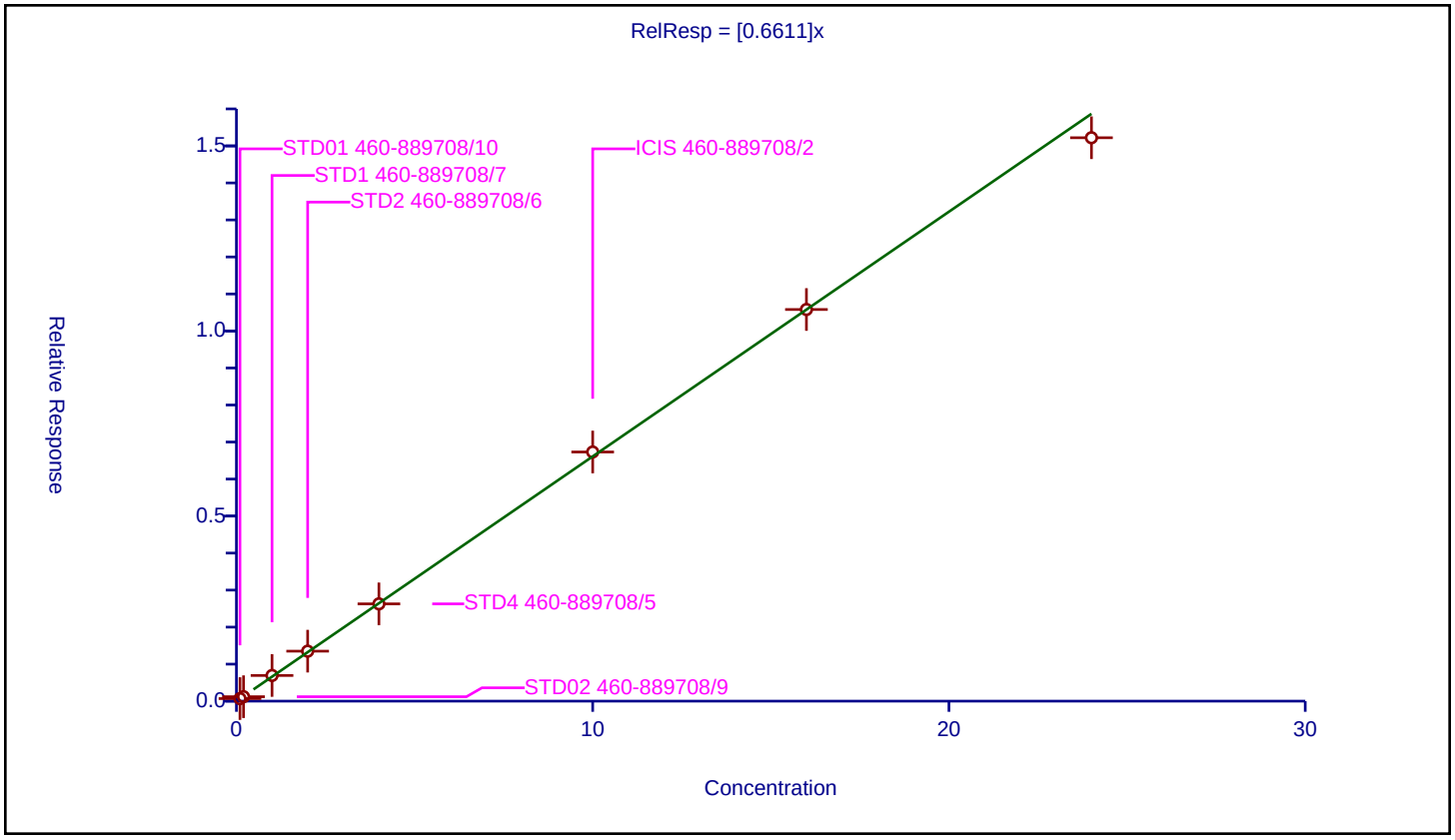
Curve Coefficients

Intercept:	0
Slope:	0.6611

Error Coefficients

Standard Error:	490000
Relative Standard Error:	4.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.069708	8.0	501865.0	0.69708	Y
2	STD02 460-889708/9	0.2	0.119658	8.0	523293.0	0.598288	Y
3	STD1 460-889708/7	1.0	0.692993	8.0	560202.0	0.692993	Y
4	STD2 460-889708/6	2.0	1.349868	8.0	721161.0	0.674934	Y
5	STD4 460-889708/5	4.0	2.627986	8.0	534910.0	0.656997	Y
6	ICIS 460-889708/2	10.0	6.730615	8.0	575422.0	0.673062	Y
7	STD16 460-889708/4	16.0	10.580234	8.0	516099.0	0.661265	Y
8	STD24 460-889708/3	24.0	15.220937	8.0	508426.0	0.634206	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

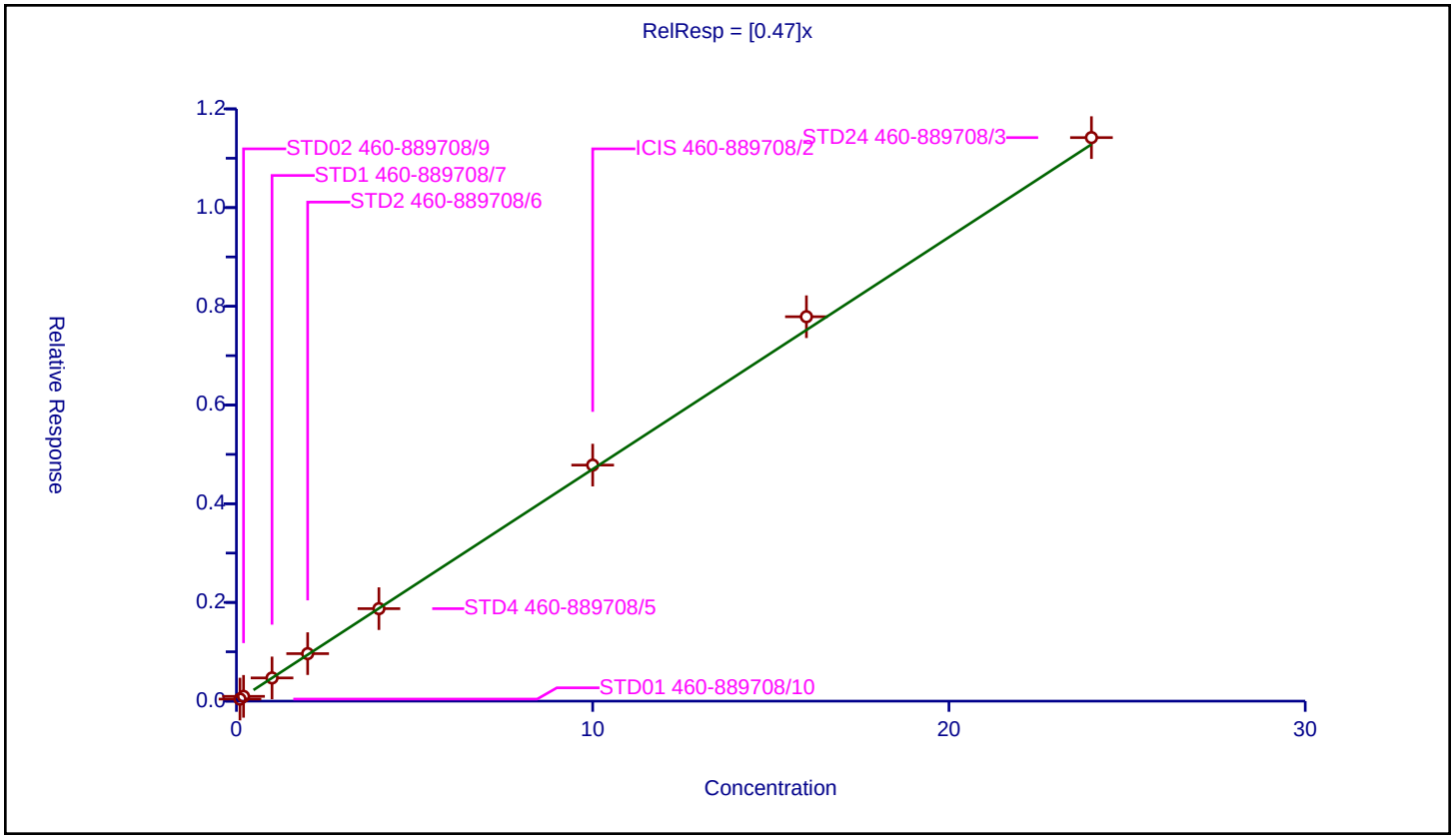
Curve Coefficients

Intercept:	0
Slope:	0.47

Error Coefficients

Standard Error:	363000
Relative Standard Error:	4.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.041637	8.0	501865.0	0.416367	Y
2	STD02 460-889708/9	0.2	0.096649	8.0	523293.0	0.483247	Y
3	STD1 460-889708/7	1.0	0.470145	8.0	560202.0	0.470145	Y
4	STD2 460-889708/6	2.0	0.962293	8.0	721161.0	0.481146	Y
5	STD4 460-889708/5	4.0	1.873676	8.0	534910.0	0.468419	Y
6	ICIS 460-889708/2	10.0	4.782646	8.0	575422.0	0.478265	Y
7	STD16 460-889708/4	16.0	7.788816	8.0	516099.0	0.486801	Y
8	STD24 460-889708/3	24.0	11.418393	8.0	508426.0	0.475766	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

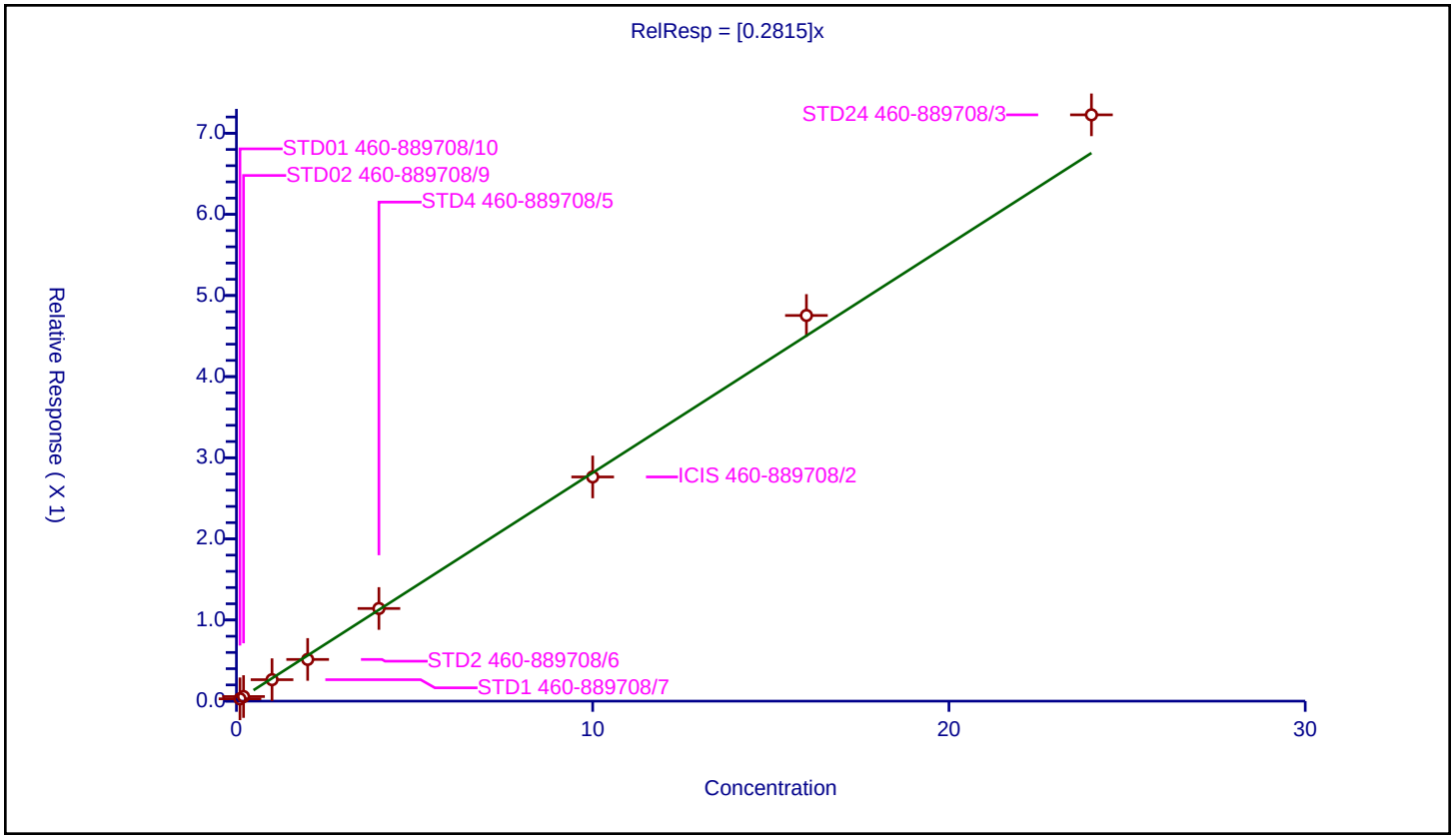
Curve Coefficients

Intercept:	0
Slope:	0.2815

Error Coefficients

Standard Error:	754000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.028732	8.0	1707651.0	0.287319	Y
2	STD02 460-889708/9	0.2	0.056644	8.0	1832085.0	0.283218	Y
3	STD1 460-889708/7	1.0	0.264596	8.0	2003872.0	0.264596	Y
4	STD2 460-889708/6	2.0	0.513897	8.0	2525532.0	0.256949	Y
5	STD4 460-889708/5	4.0	1.141837	8.0	1861324.0	0.285459	Y
6	ICIS 460-889708/2	10.0	2.763262	8.0	1968146.0	0.276326	Y
7	STD16 460-889708/4	16.0	4.753833	8.0	1791282.0	0.297115	Y
8	STD24 460-889708/3	24.0	7.226945	8.0	1672978.0	0.301123	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

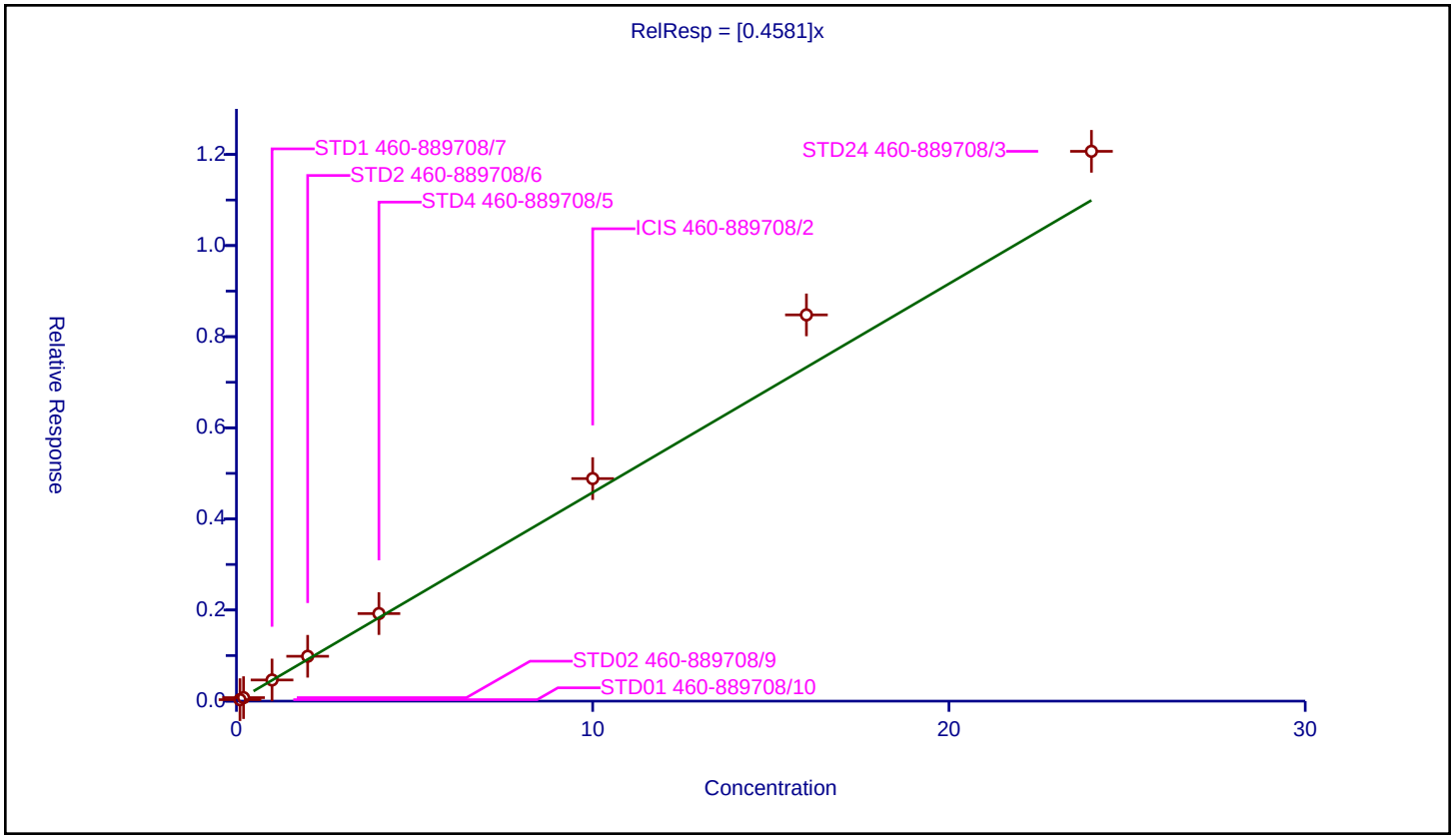
Curve Coefficients

Intercept:	0
Slope:	0.4581

Error Coefficients

Standard Error:	385000
Relative Standard Error:	15.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.032264	8.0	501865.0	0.322637	Y
2	STD02 460-889708/9	0.2	0.076699	8.0	523293.0	0.383495	Y
3	STD1 460-889708/7	1.0	0.464261	8.0	560202.0	0.464261	Y
4	STD2 460-889708/6	2.0	0.984679	8.0	721161.0	0.492339	Y
5	STD4 460-889708/5	4.0	1.921849	8.0	534910.0	0.480462	Y
6	ICIS 460-889708/2	10.0	4.885041	8.0	575422.0	0.488504	Y
7	STD16 460-889708/4	16.0	8.478699	8.0	516099.0	0.529919	Y
8	STD24 460-889708/3	24.0	12.068808	8.0	508426.0	0.502867	Y



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Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

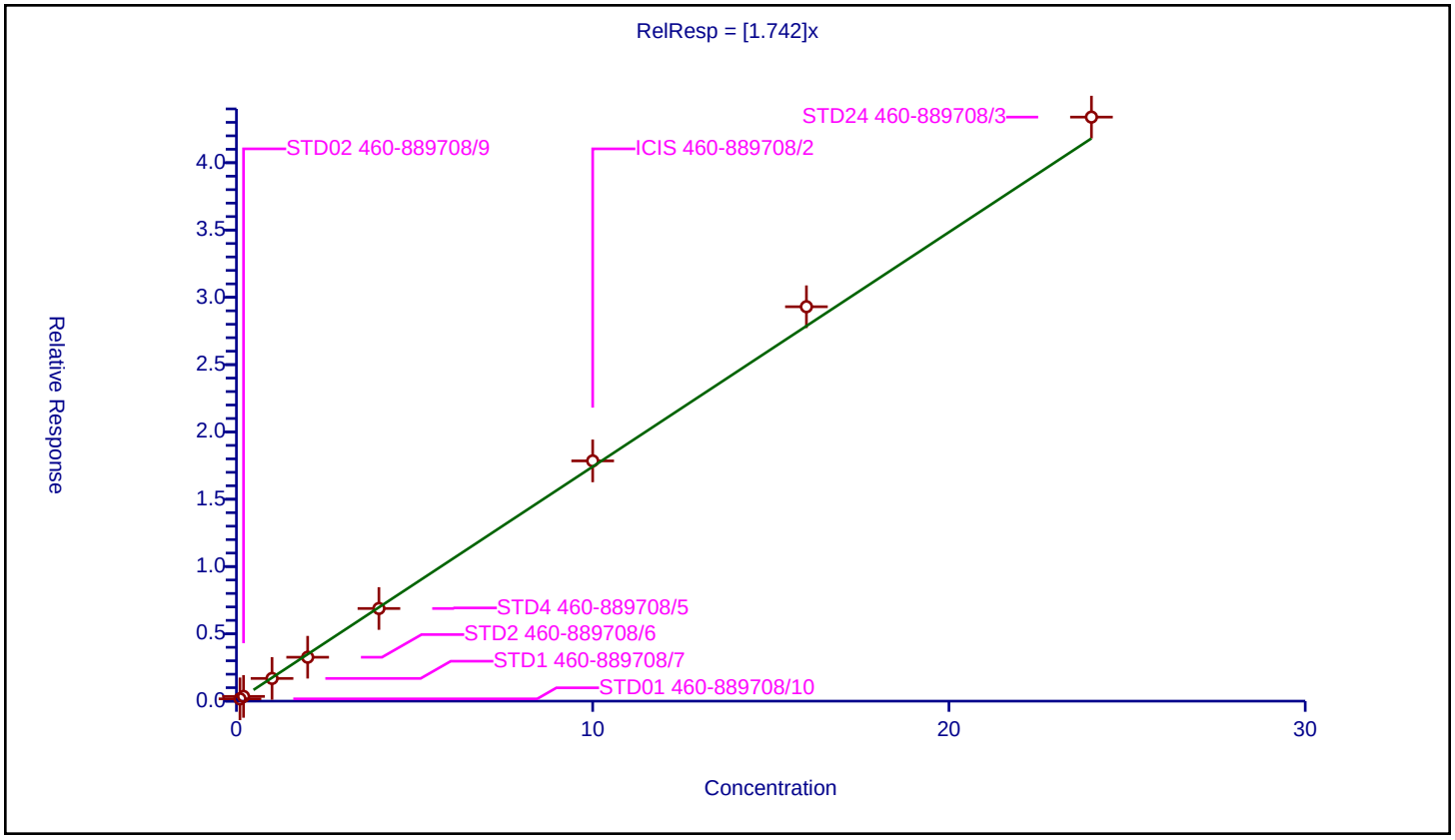
Curve Coefficients

Intercept:	0
Slope:	1.742

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.171632	8.0	501865.0	1.716318	Y
2	STD02 460-889708/9	0.2	0.351497	8.0	523293.0	1.757486	Y
3	STD1 460-889708/7	1.0	1.686206	8.0	560202.0	1.686206	Y
4	STD2 460-889708/6	2.0	3.261319	8.0	721161.0	1.630659	Y
5	STD4 460-889708/5	4.0	6.88367	8.0	534910.0	1.720918	Y
6	ICIS 460-889708/2	10.0	17.848577	8.0	575422.0	1.784858	Y
7	STD16 460-889708/4	16.0	29.301975	8.0	516099.0	1.831373	Y
8	STD24 460-889708/3	24.0	43.390369	8.0	508426.0	1.807932	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

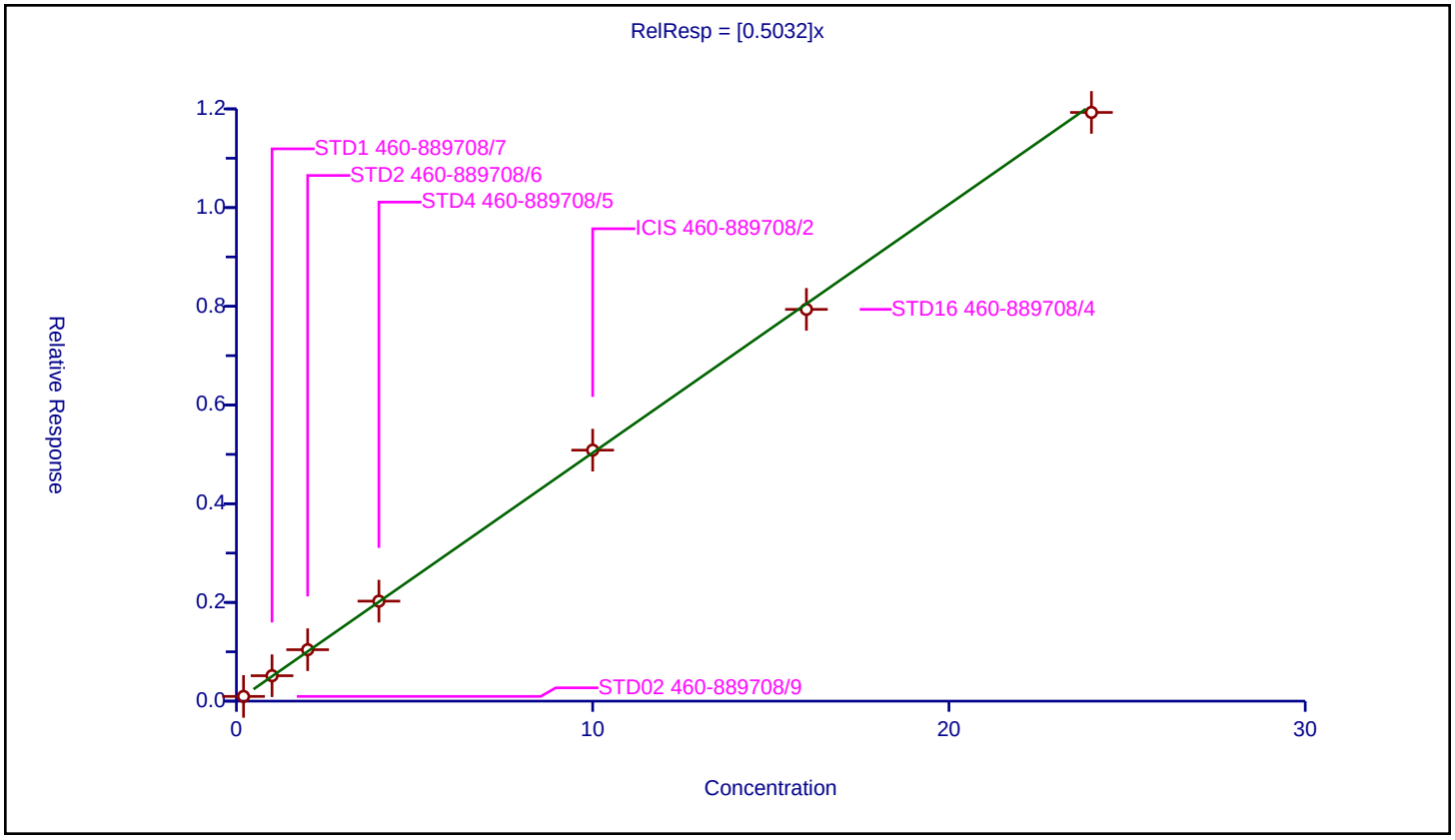
Curve Coefficients

Intercept:	0
Slope:	0.5032

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	2.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.095633	8.0	1832085.0	0.478166	Y
2	STD1 460-889708/7	1.0	0.515183	8.0	2003872.0	0.515183	Y
3	STD2 460-889708/6	2.0	1.042274	8.0	2525532.0	0.521137	Y
4	STD4 460-889708/5	4.0	2.026239	8.0	1861324.0	0.50656	Y
5	ICIS 460-889708/2	10.0	5.085212	8.0	1968146.0	0.508521	Y
6	STD16 460-889708/4	16.0	7.937863	8.0	1791282.0	0.496116	Y
7	STD24 460-889708/3	24.0	11.928329	8.0	1672978.0	0.497014	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

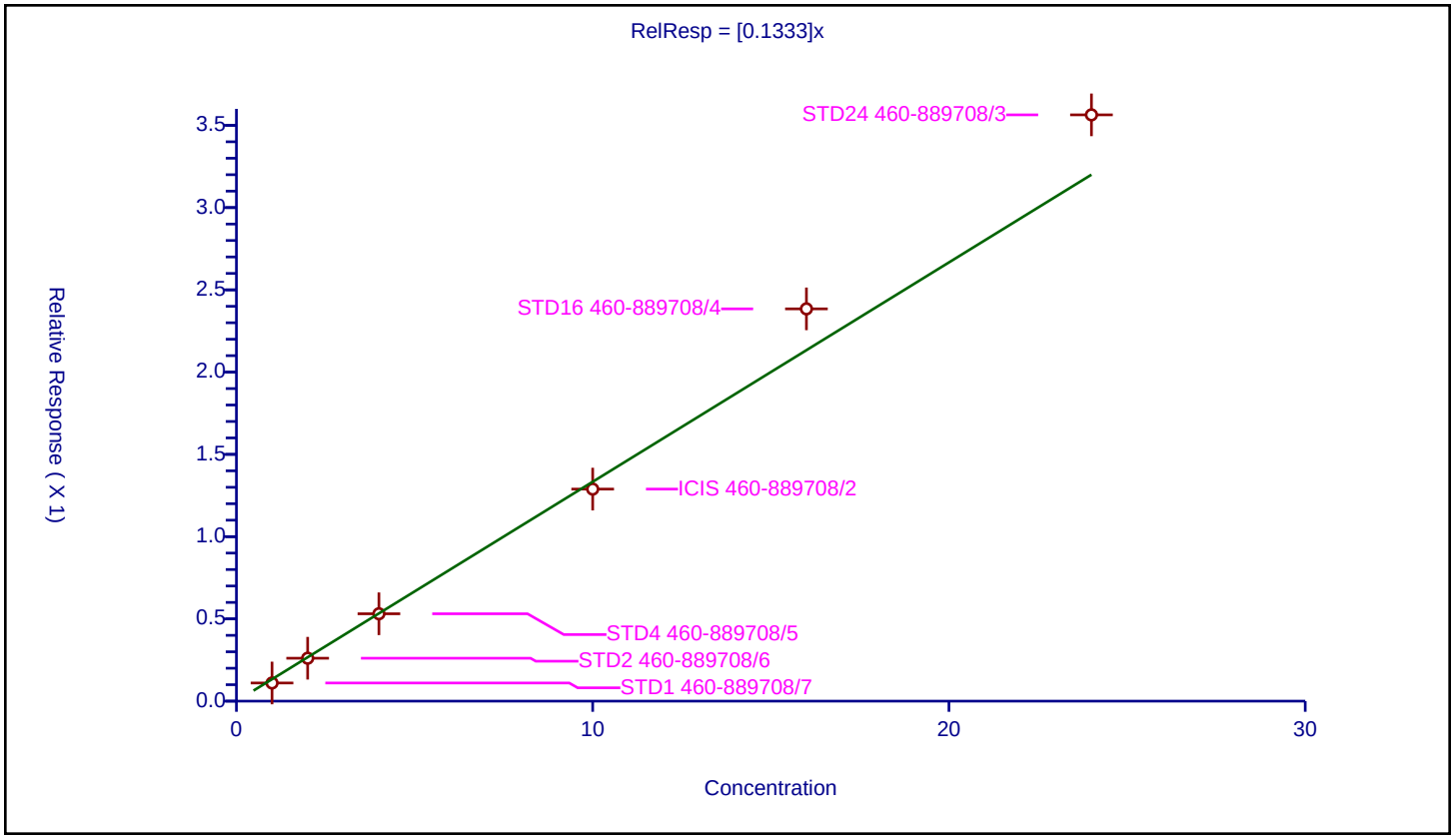
Curve Coefficients

Intercept:	0
Slope:	0.1333

Error Coefficients

Standard Error:	439000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.110378	8.0	2003872.0	0.110378	Y
2	STD2 460-889708/6	2.0	0.260891	8.0	2525532.0	0.130445	Y
3	STD4 460-889708/5	4.0	0.53117	8.0	1861324.0	0.132793	Y
4	ICIS 460-889708/2	10.0	1.288921	8.0	1968146.0	0.128892	Y
5	STD16 460-889708/4	16.0	2.384424	8.0	1791282.0	0.149027	Y
6	STD24 460-889708/3	24.0	3.5637	8.0	1672978.0	0.148488	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

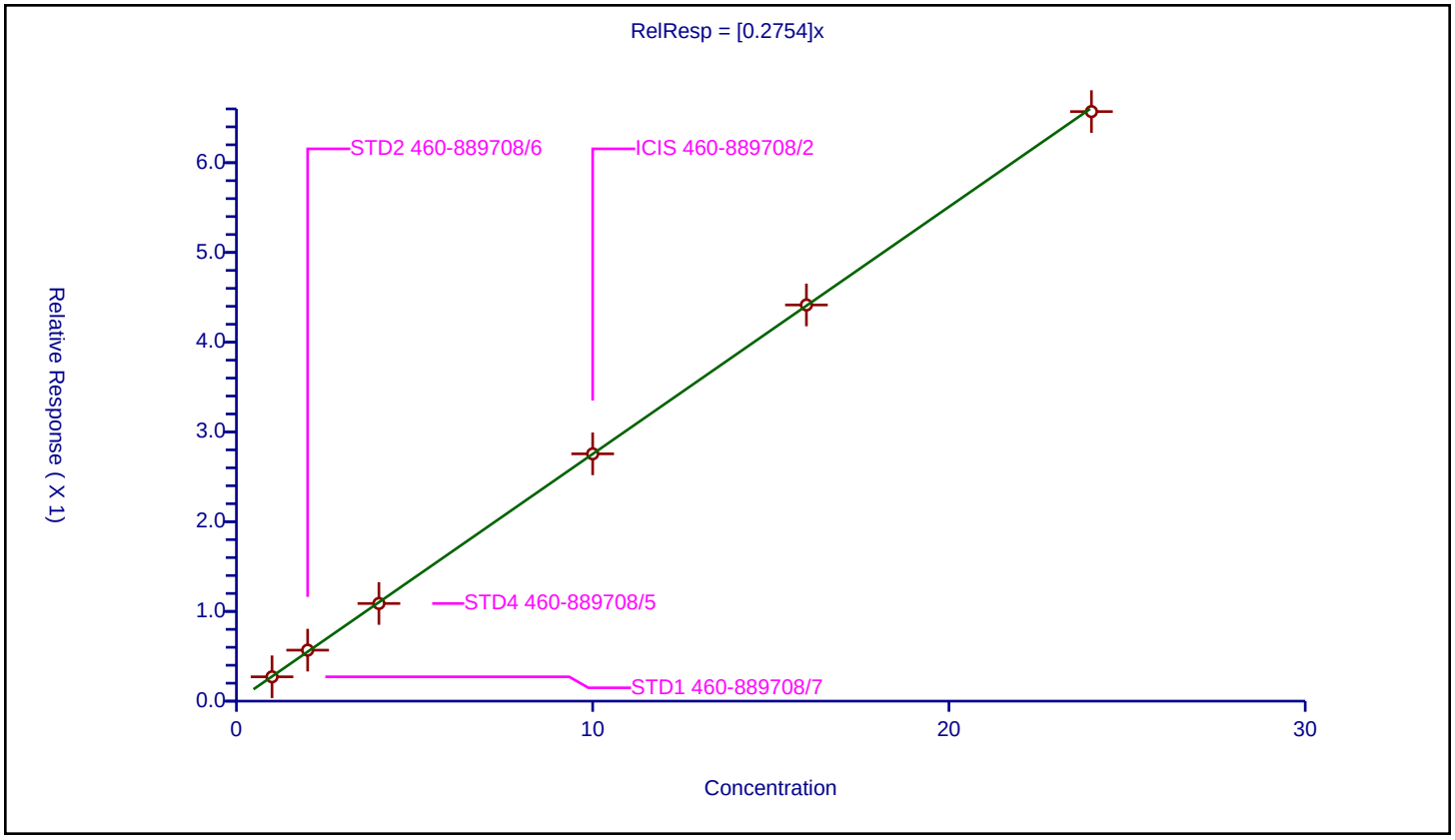
Curve Coefficients

Intercept:	0
Slope:	0.2754

Error Coefficients

Standard Error:	828000
Relative Standard Error:	1.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.271027	8.0	2003872.0	0.271027	Y
2	STD2 460-889708/6	2.0	0.568286	8.0	2525532.0	0.284143	Y
3	STD4 460-889708/5	4.0	1.088292	8.0	1861324.0	0.272073	Y
4	ICIS 460-889708/2	10.0	2.755966	8.0	1968146.0	0.275597	Y
5	STD16 460-889708/4	16.0	4.415153	8.0	1791282.0	0.275947	Y
6	STD24 460-889708/3	24.0	6.570119	8.0	1672978.0	0.273755	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

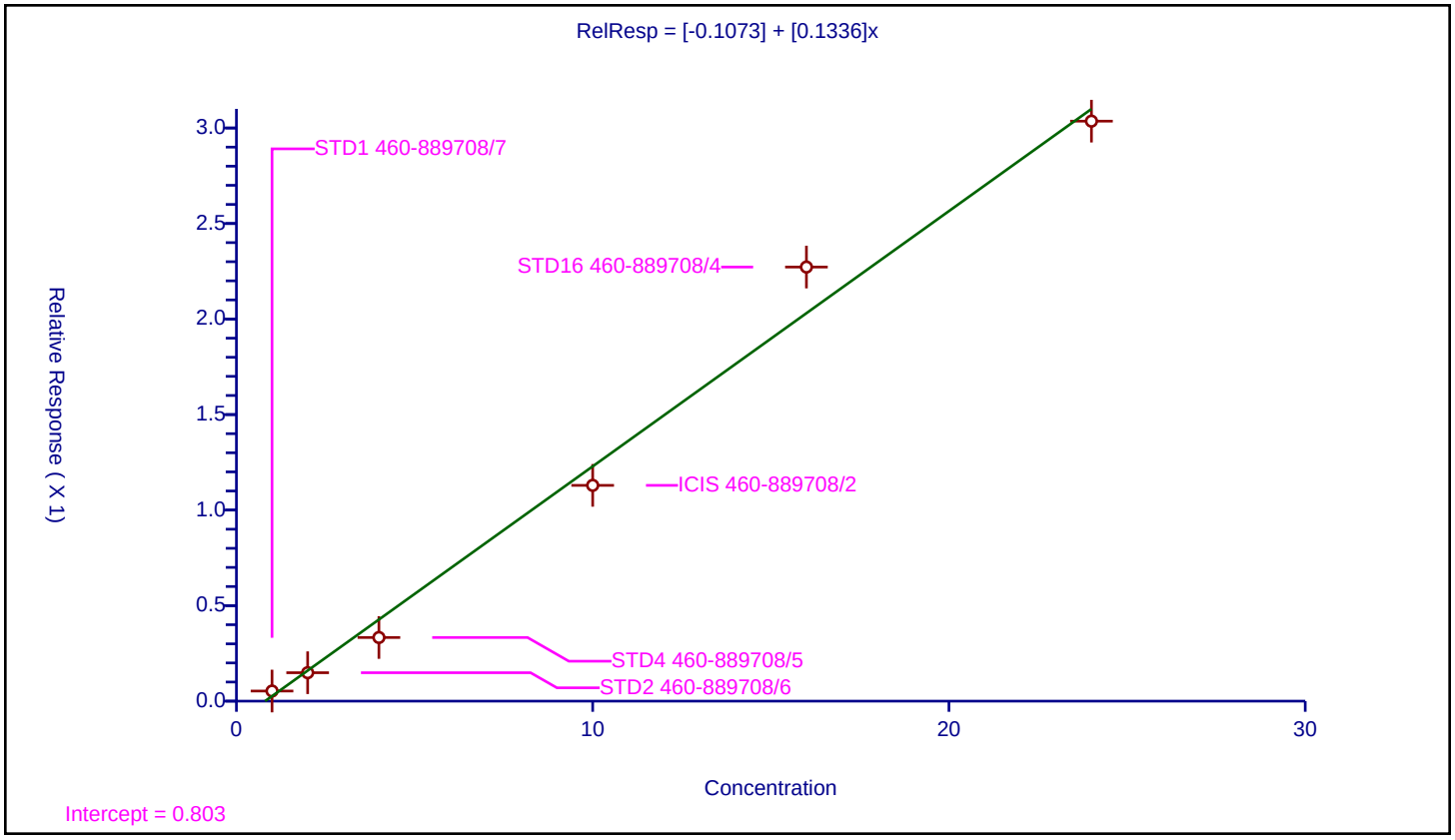
Curve Coefficients

Intercept:	-0.1073
Slope:	0.1336

Error Coefficients

Standard Error:	432000
Relative Standard Error:	15.1
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.052914	8.0	2003872.0	0.052914	Y
2	STD2 460-889708/6	2.0	0.148864	8.0	2525532.0	0.074432	Y
3	STD4 460-889708/5	4.0	0.333101	8.0	1861324.0	0.083275	Y
4	ICIS 460-889708/2	10.0	1.129493	8.0	1968146.0	0.112949	Y
5	STD16 460-889708/4	16.0	2.272205	8.0	1791282.0	0.142013	Y
6	STD24 460-889708/3	24.0	3.035865	8.0	1672978.0	0.126494	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

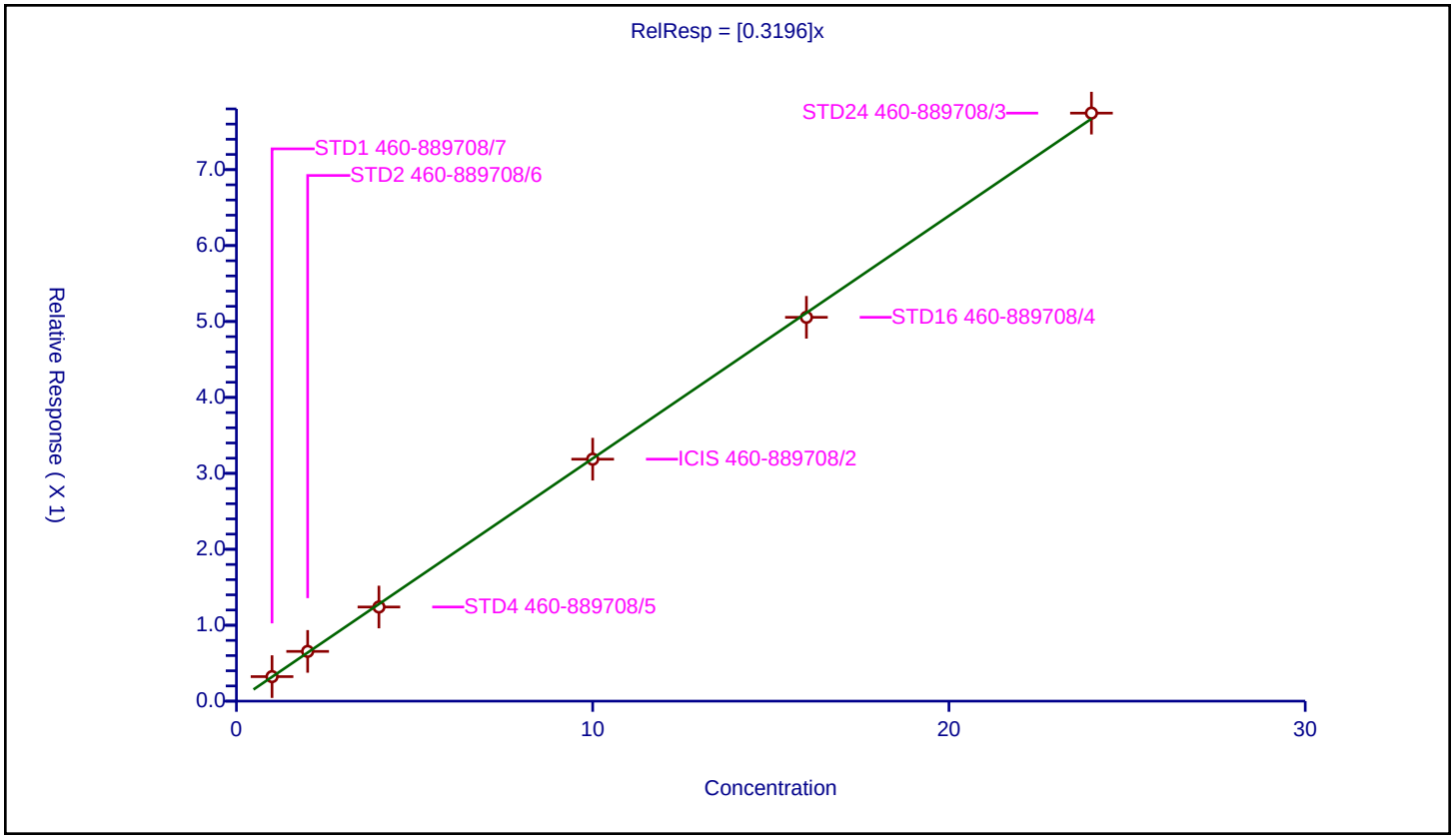
Curve Coefficients

Intercept:	0
Slope:	0.3196

Error Coefficients

Standard Error:	964000
Relative Standard Error:	1.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.322839	8.0	2003872.0	0.322839	Y
2	STD2 460-889708/6	2.0	0.655057	8.0	2525532.0	0.327529	Y
3	STD4 460-889708/5	4.0	1.239677	8.0	1861324.0	0.309919	Y
4	ICIS 460-889708/2	10.0	3.186487	8.0	1968146.0	0.318649	Y
5	STD16 460-889708/4	16.0	5.055039	8.0	1791282.0	0.31594	Y
6	STD24 460-889708/3	24.0	7.744336	8.0	1672978.0	0.322681	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

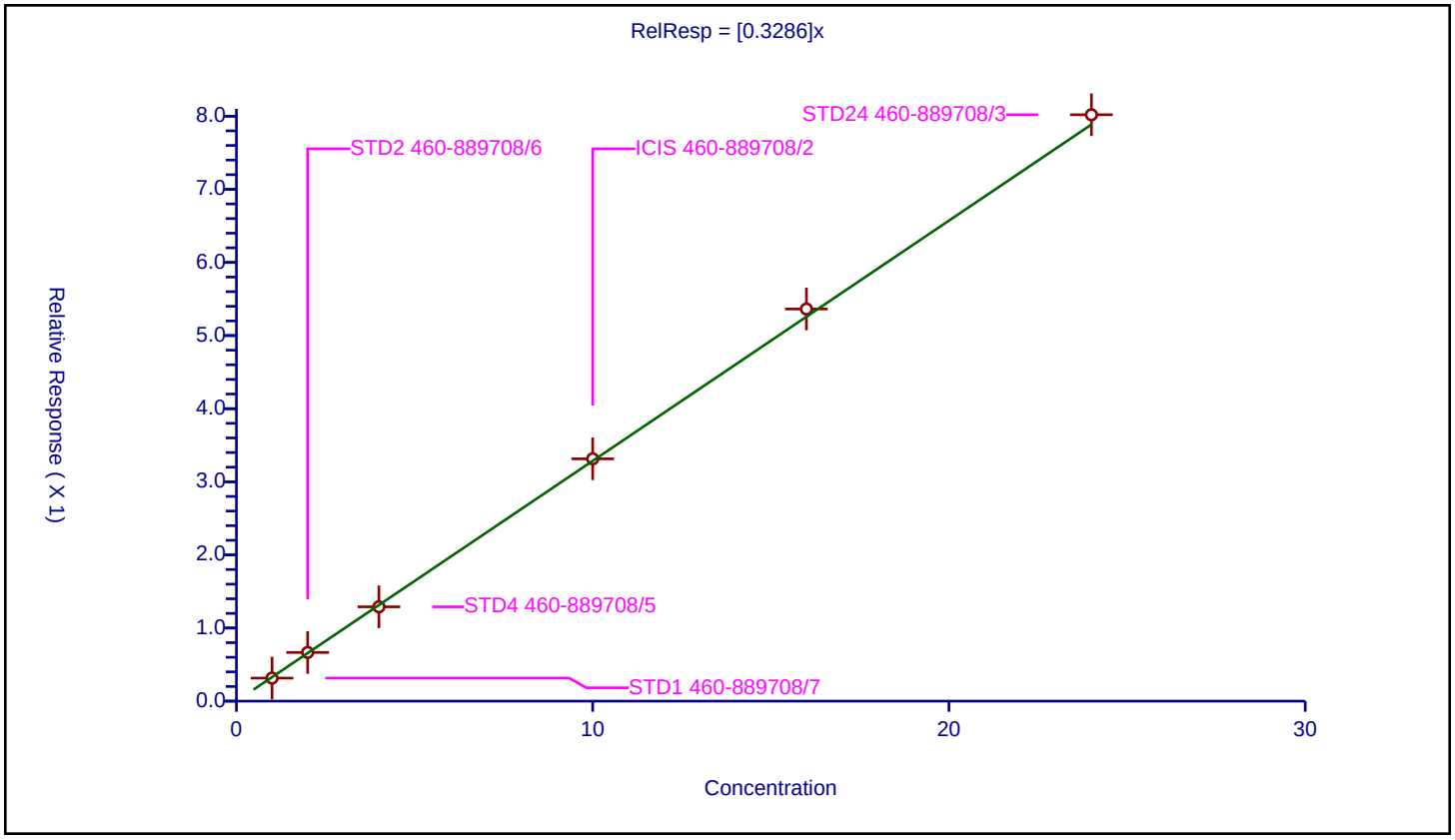
Curve Coefficients

Intercept:	0
Slope:	0.3286

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	2.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.315334	8.0	2003872.0	0.315334	Y
2	STD2 460-889708/6	2.0	0.665802	8.0	2525532.0	0.332901	Y
3	STD4 460-889708/5	4.0	1.289938	8.0	1861324.0	0.322484	Y
4	ICIS 460-889708/2	10.0	3.314392	8.0	1968146.0	0.331439	Y
5	STD16 460-889708/4	16.0	5.363095	8.0	1791282.0	0.335193	Y
6	STD24 460-889708/3	24.0	8.019692	8.0	1672978.0	0.334154	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

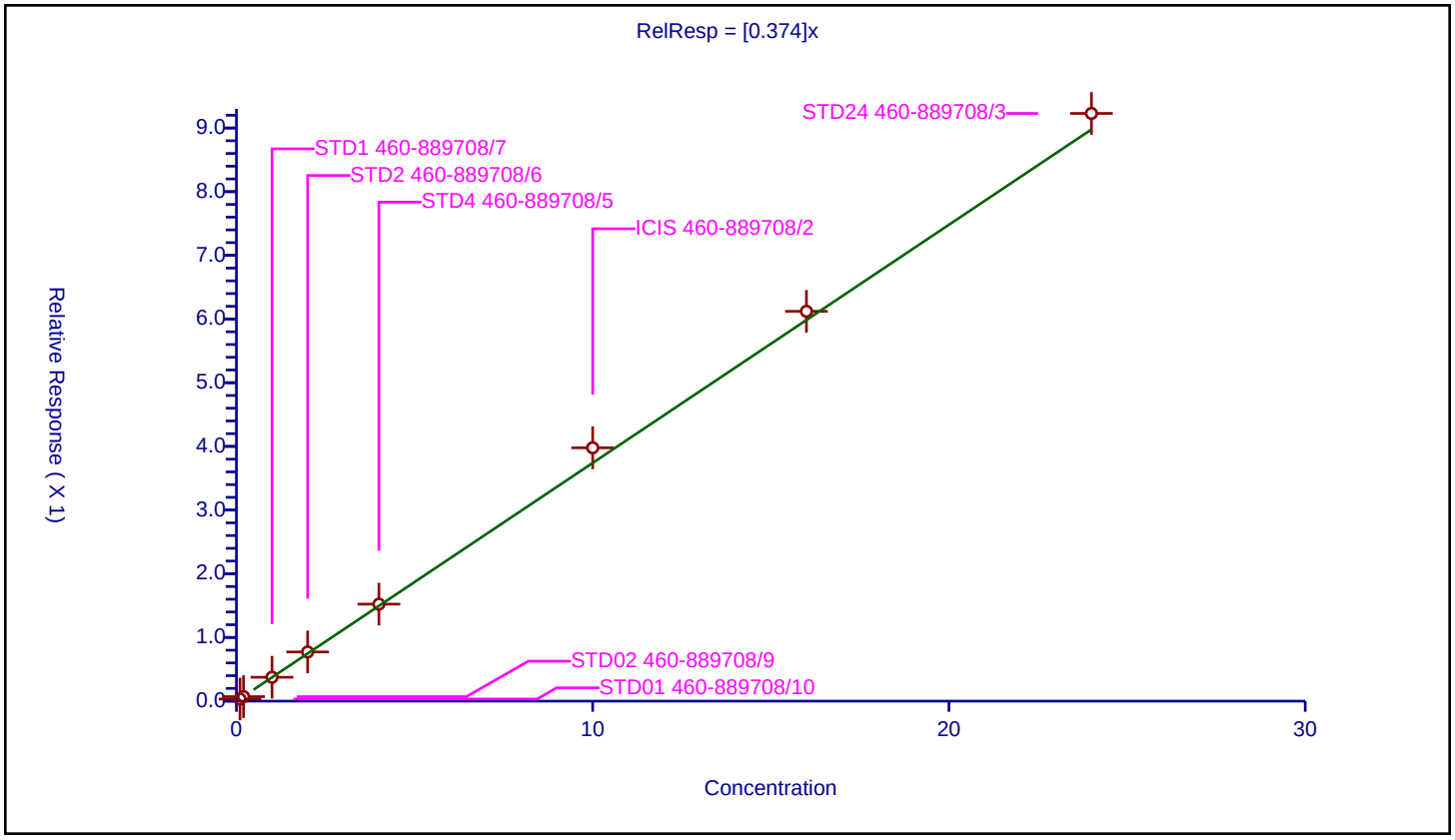
Curve Coefficients

Intercept:	0
Slope:	0.374

Error Coefficients

Standard Error:	982000
Relative Standard Error:	5.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.033295	8.0	1707651.0	0.332949	Y
2	STD02 460-889708/9	0.2	0.070495	8.0	1832085.0	0.352473	Y
3	STD1 460-889708/7	1.0	0.374946	8.0	2003872.0	0.374946	Y
4	STD2 460-889708/6	2.0	0.772244	8.0	2525532.0	0.386122	Y
5	STD4 460-889708/5	4.0	1.523268	8.0	1861324.0	0.380817	Y
6	ICIS 460-889708/2	10.0	3.978518	8.0	1968146.0	0.397852	Y
7	STD16 460-889708/4	16.0	6.121506	8.0	1791282.0	0.382594	Y
8	STD24 460-889708/3	24.0	9.228898	8.0	1672978.0	0.384537	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

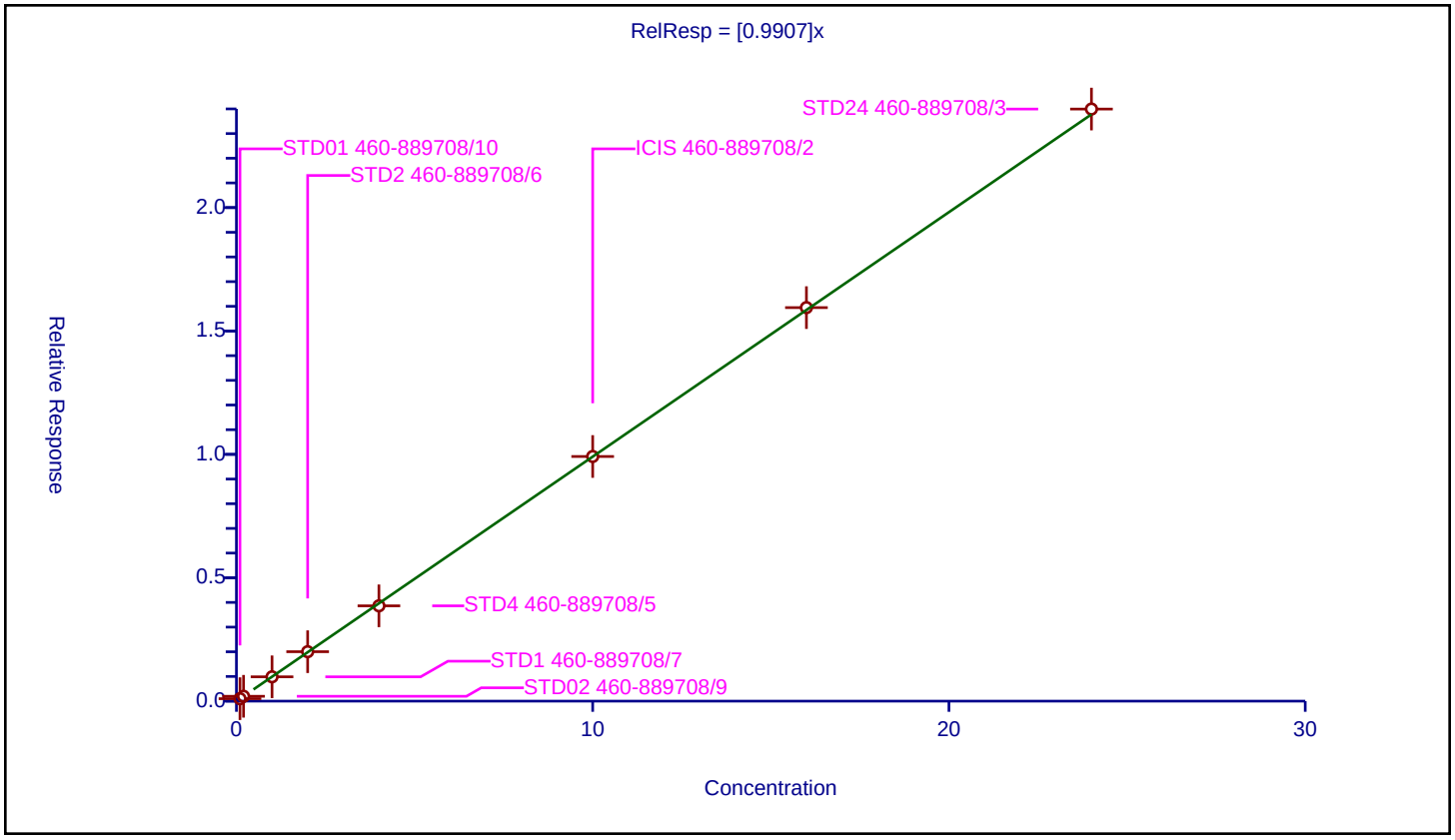
Curve Coefficients

Intercept:	0
Slope:	0.9907

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	1.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.099988	8.0	1707651.0	0.999876	Y
2	STD02 460-889708/9	0.2	0.196908	8.0	1832085.0	0.984539	Y
3	STD1 460-889708/7	1.0	0.985795	8.0	2003872.0	0.985795	Y
4	STD2 460-889708/6	2.0	2.004254	8.0	2525532.0	1.002127	Y
5	STD4 460-889708/5	4.0	3.862764	8.0	1861324.0	0.965691	Y
6	ICIS 460-889708/2	10.0	9.91424	8.0	1968146.0	0.991424	Y
7	STD16 460-889708/4	16.0	15.947765	8.0	1791282.0	0.996735	Y
8	STD24 460-889708/3	24.0	23.993396	8.0	1672978.0	0.999725	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

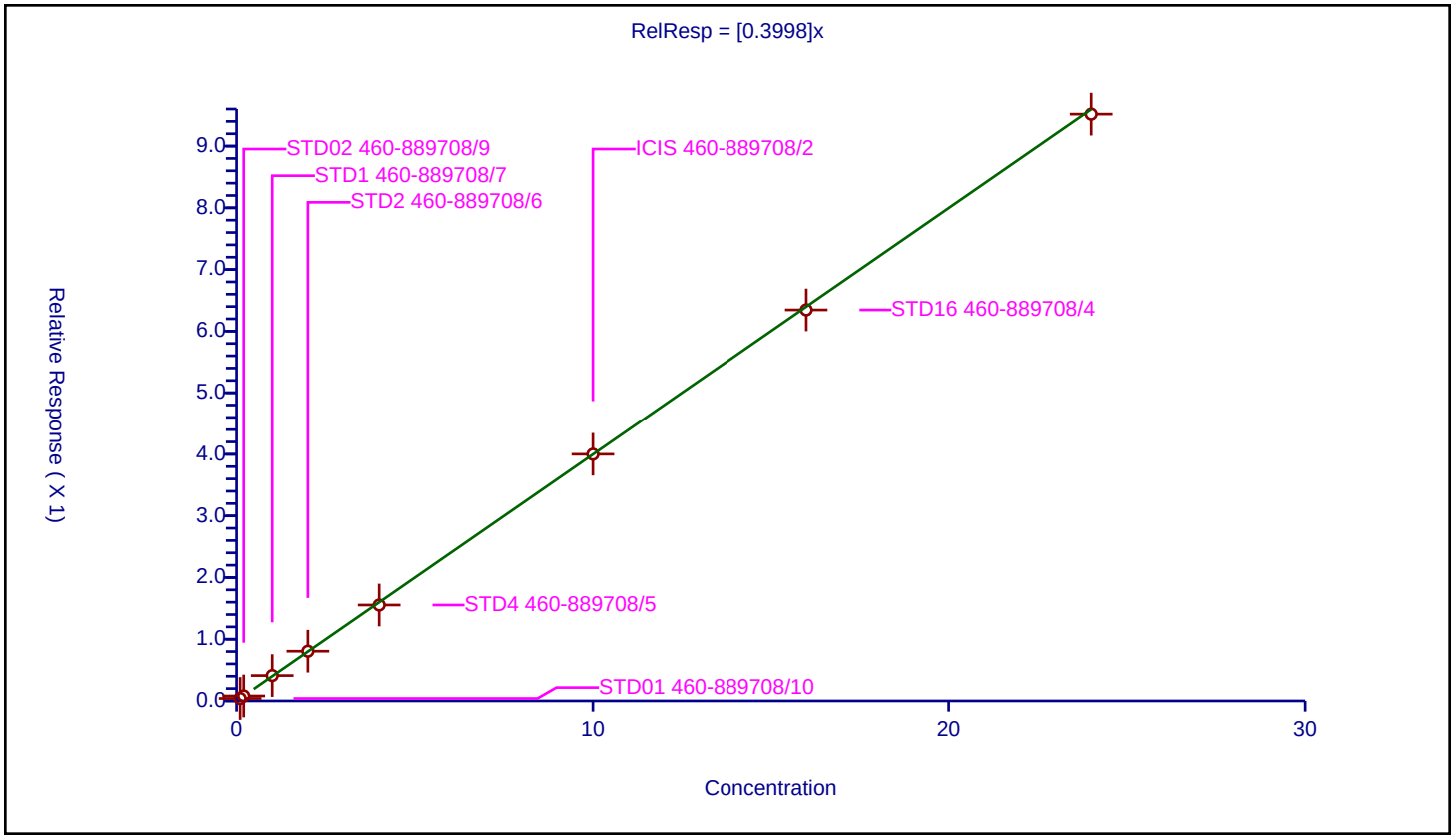
Curve Coefficients

Intercept:	0
Slope:	0.3998

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	1.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.039966	8.0	1707651.0	0.39966	Y
2	STD02 460-889708/9	0.2	0.080638	8.0	1832085.0	0.403191	Y
3	STD1 460-889708/7	1.0	0.410809	8.0	2003872.0	0.410809	Y
4	STD2 460-889708/6	2.0	0.805818	8.0	2525532.0	0.402909	Y
5	STD4 460-889708/5	4.0	1.554532	8.0	1861324.0	0.388633	Y
6	ICIS 460-889708/2	10.0	4.000557	8.0	1968146.0	0.400056	Y
7	STD16 460-889708/4	16.0	6.345417	8.0	1791282.0	0.396589	Y
8	STD24 460-889708/3	24.0	9.516945	8.0	1672978.0	0.396539	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

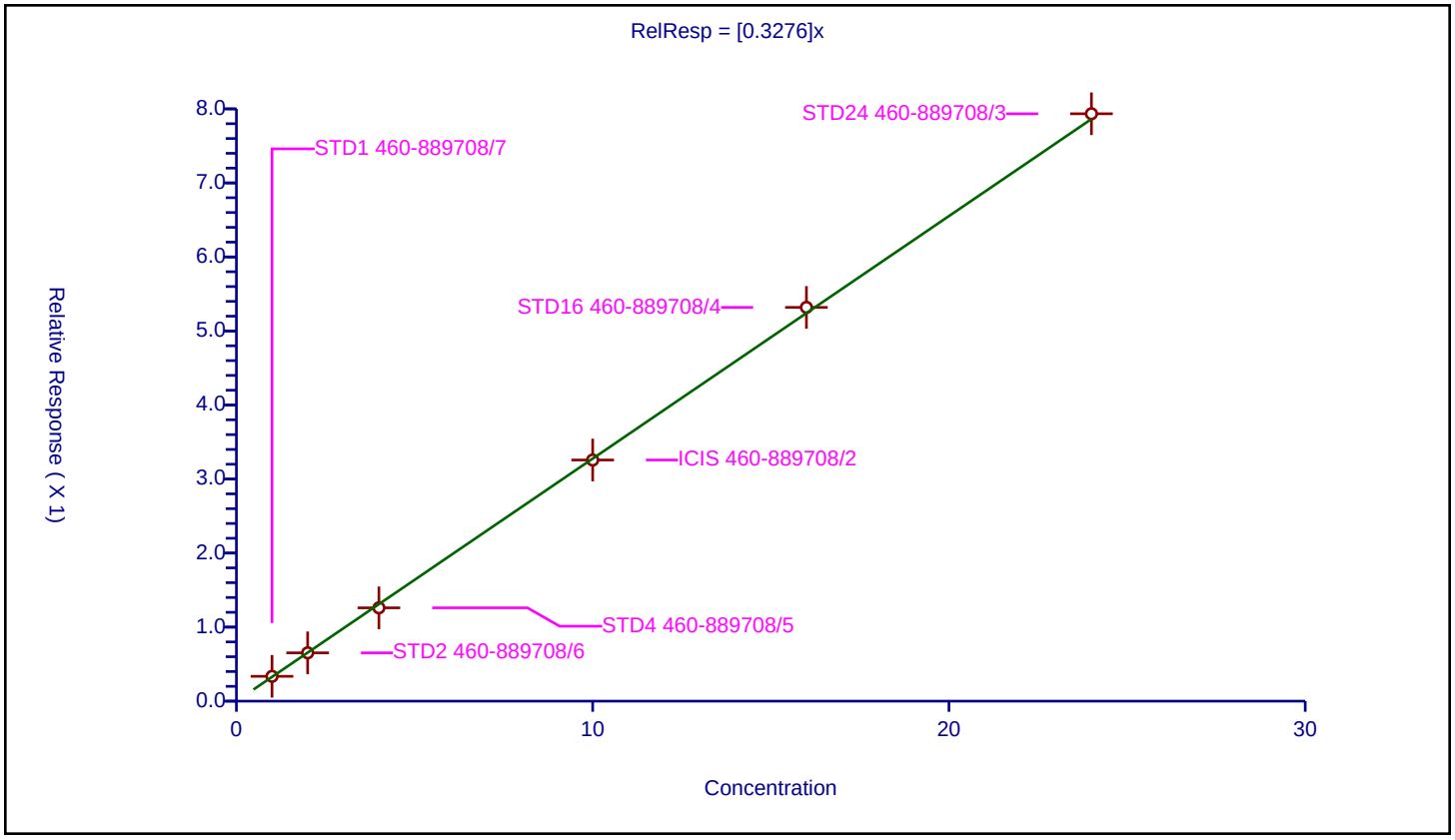
Curve Coefficients

Intercept:	0
Slope:	0.3276

Error Coefficients

Standard Error:	995000
Relative Standard Error:	2.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.335534	8.0	2003872.0	0.335534	Y
2	STD2 460-889708/6	2.0	0.65246	8.0	2525532.0	0.32623	Y
3	STD4 460-889708/5	4.0	1.260509	8.0	1861324.0	0.315127	Y
4	ICIS 460-889708/2	10.0	3.257177	8.0	1968146.0	0.325718	Y
5	STD16 460-889708/4	16.0	5.318577	8.0	1791282.0	0.332411	Y
6	STD24 460-889708/3	24.0	7.934311	8.0	1672978.0	0.330596	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

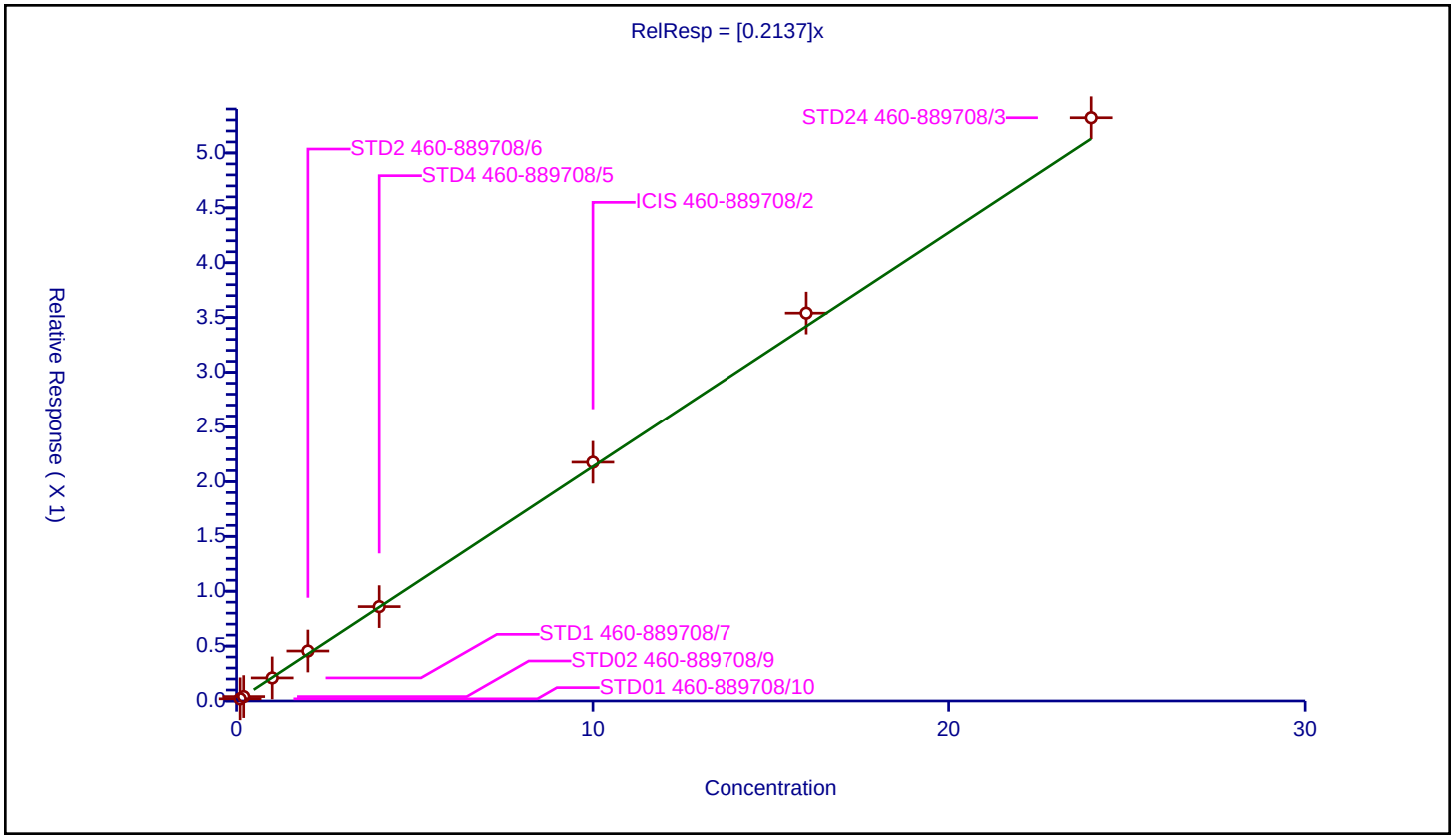
Curve Coefficients

Intercept:	0
Slope:	0.2137

Error Coefficients

Standard Error:	563000
Relative Standard Error:	5.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.019686	8.0	1707651.0	0.196855	Y
2	STD02 460-889708/9	0.2	0.039998	8.0	1832085.0	0.199991	Y
3	STD1 460-889708/7	1.0	0.209934	8.0	2003872.0	0.209934	Y
4	STD2 460-889708/6	2.0	0.455046	8.0	2525532.0	0.227523	Y
5	STD4 460-889708/5	4.0	0.859513	8.0	1861324.0	0.214878	Y
6	ICIS 460-889708/2	10.0	2.176883	8.0	1968146.0	0.217688	Y
7	STD16 460-889708/4	16.0	3.540548	8.0	1791282.0	0.221284	Y
8	STD24 460-889708/3	24.0	5.320677	8.0	1672978.0	0.221695	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

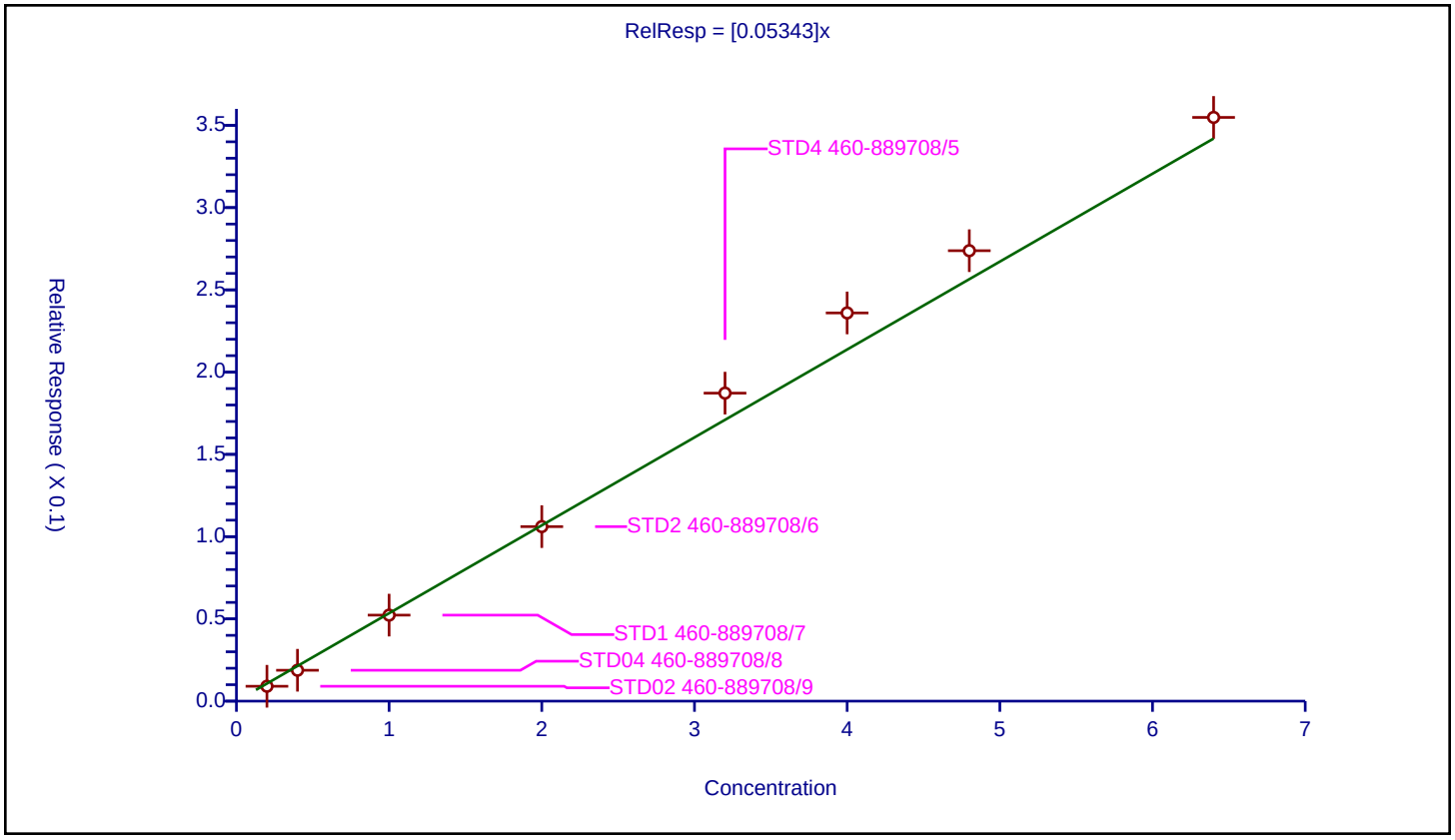
Curve Coefficients

Intercept:	0
Slope:	0.05343

Error Coefficients

Standard Error:	47600
Relative Standard Error:	9.6
Correlation Coefficient:	0.971
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.009043	8.0	1832085.0	0.045216	Y
2	STD04 460-889708/8	0.4	0.018777	8.0	1798749.0	0.046944	Y
3	STD1 460-889708/7	1.0	0.052279	8.0	2003872.0	0.052279	Y
4	STD2 460-889708/6	2.0	0.106085	8.0	2525532.0	0.053042	Y
5	STD4 460-889708/5	3.2	0.187226	8.0	1861324.0	0.058508	Y
6	ICIS 460-889708/2	4.0	0.235974	8.0	1968146.0	0.058994	Y
7	STD16 460-889708/4	4.8	0.273806	8.0	1791282.0	0.057043	Y
8	STD24 460-889708/3	6.4	0.354816	8.0	1672978.0	0.05544	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

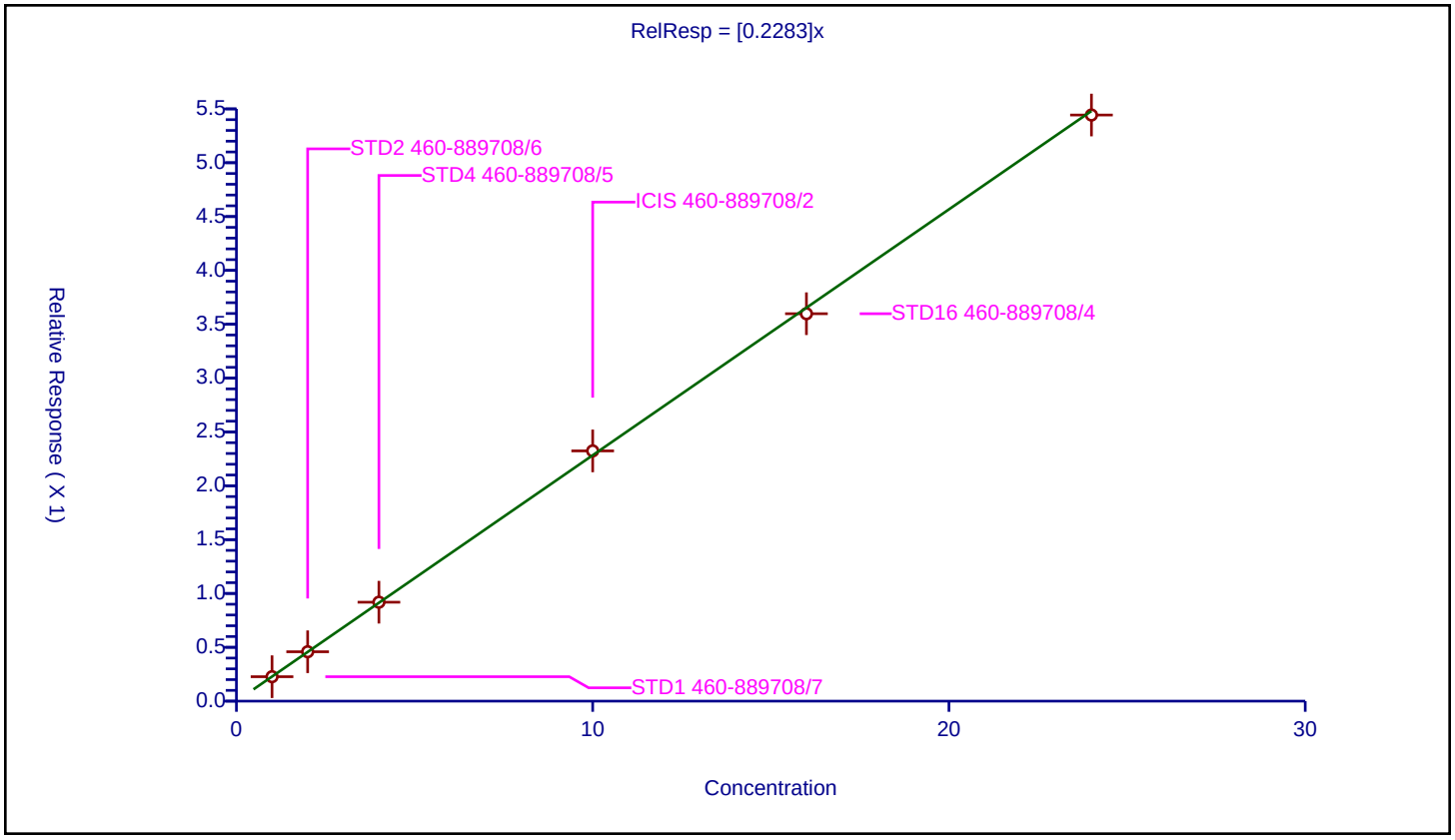
Curve Coefficients

Intercept:	0
Slope:	0.2283

Error Coefficients

Standard Error:	684000
Relative Standard Error:	1.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.226997	8.0	2003872.0	0.226997	Y
2	STD2 460-889708/6	2.0	0.458682	8.0	2525532.0	0.229341	Y
3	STD4 460-889708/5	4.0	0.918752	8.0	1861324.0	0.229688	Y
4	ICIS 460-889708/2	10.0	2.323824	8.0	1968146.0	0.232382	Y
5	STD16 460-889708/4	16.0	3.597924	8.0	1791282.0	0.22487	Y
6	STD24 460-889708/3	24.0	5.44317	8.0	1672978.0	0.226799	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

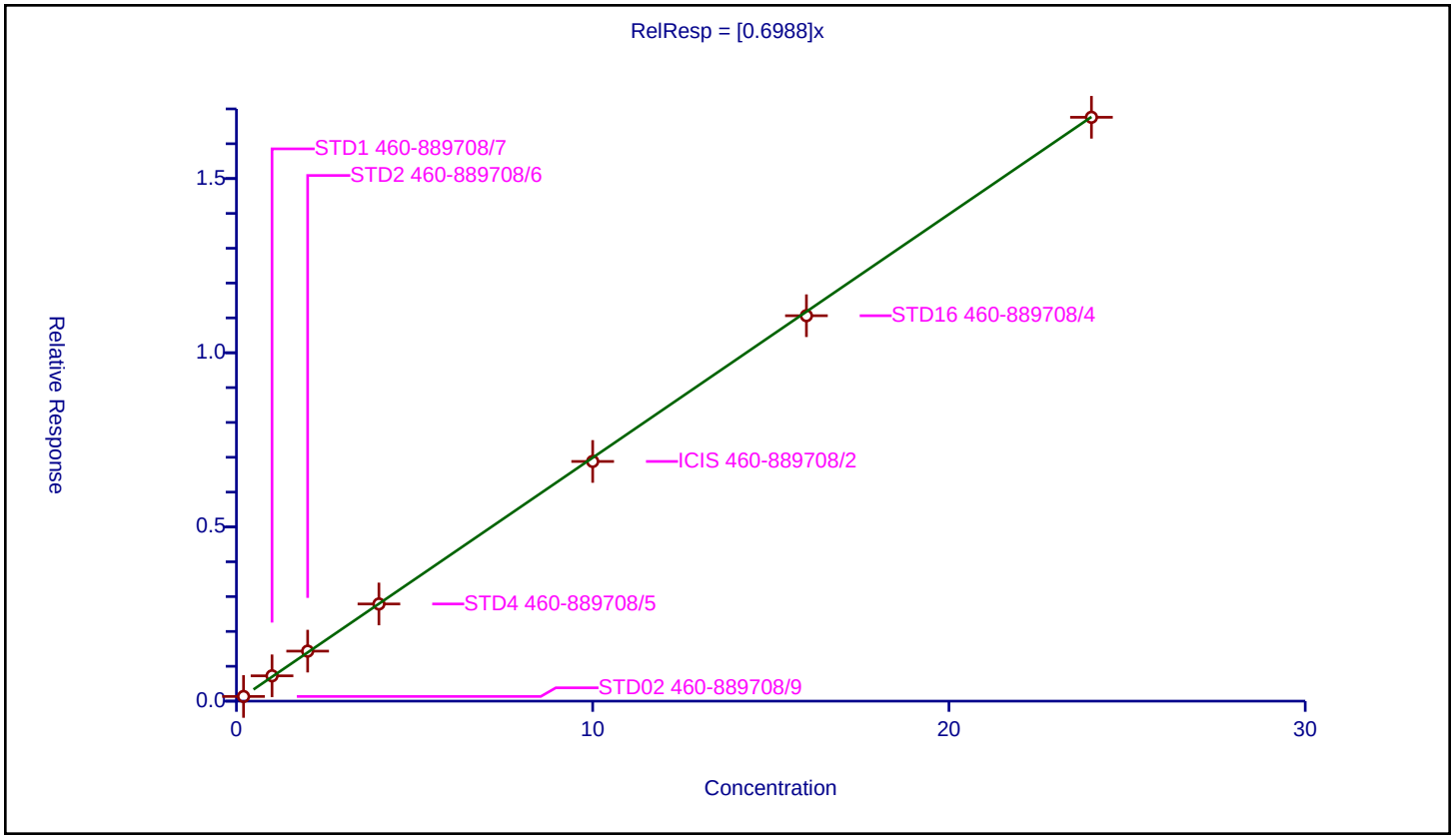
Curve Coefficients

Intercept:	0
Slope:	0.6988

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	2.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.13433	8.0	1832085.0	0.67165	Y
2	STD1 460-889708/7	1.0	0.726857	8.0	2003872.0	0.726857	Y
3	STD2 460-889708/6	2.0	1.435598	8.0	2525532.0	0.717799	Y
4	STD4 460-889708/5	4.0	2.788961	8.0	1861324.0	0.69724	Y
5	ICIS 460-889708/2	10.0	6.880376	8.0	1968146.0	0.688038	Y
6	STD16 460-889708/4	16.0	11.063549	8.0	1791282.0	0.691472	Y
7	STD24 460-889708/3	24.0	16.759216	8.0	1672978.0	0.698301	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

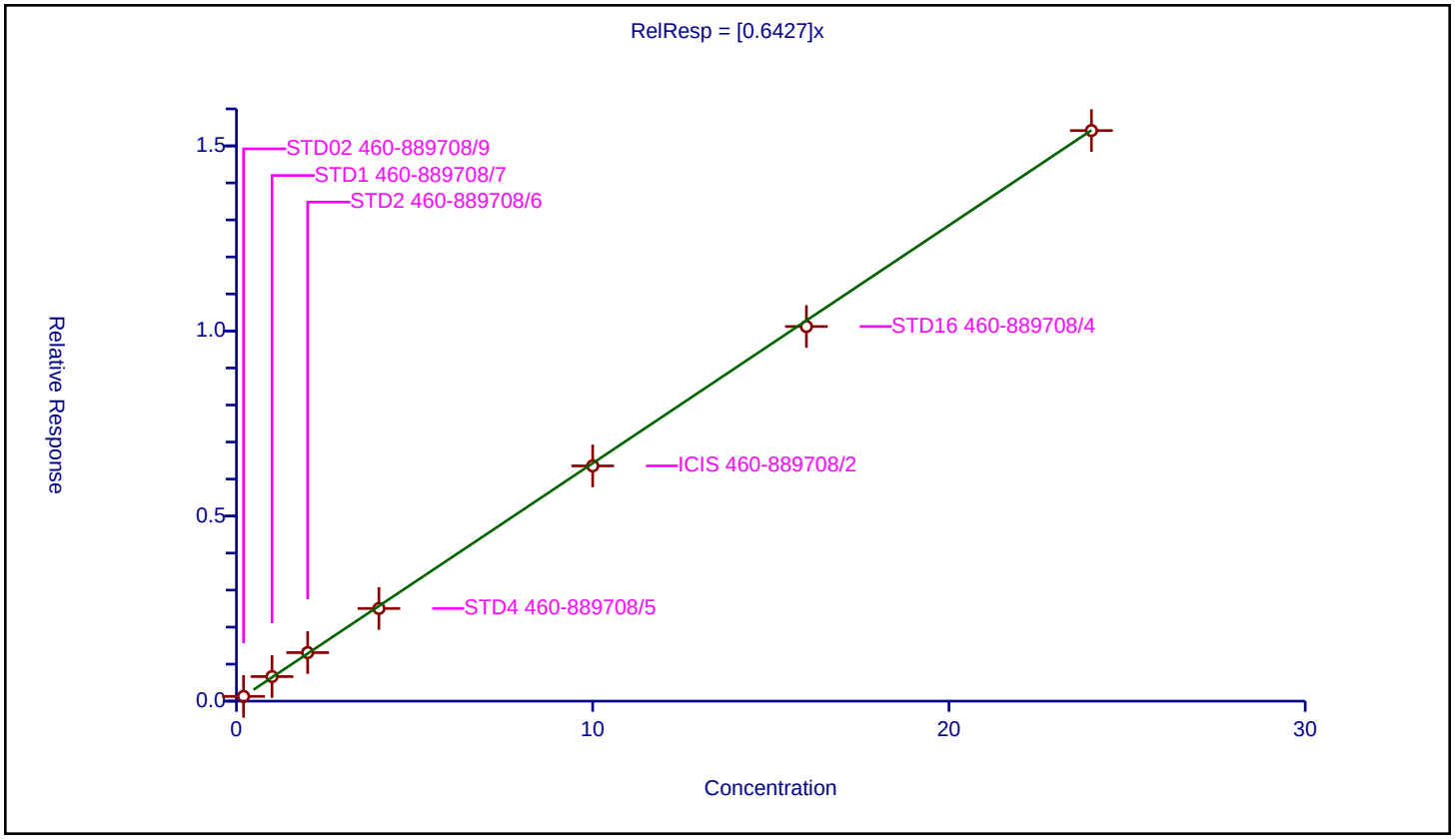
Curve Coefficients

Intercept:	0
Slope:	0.6427

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	2.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.128553	8.0	1832085.0	0.642765	Y
2	STD1 460-889708/7	1.0	0.664066	8.0	2003872.0	0.664066	Y
3	STD2 460-889708/6	2.0	1.311182	8.0	2525532.0	0.655591	Y
4	STD4 460-889708/5	4.0	2.503504	8.0	1861324.0	0.625876	Y
5	ICIS 460-889708/2	10.0	6.355163	8.0	1968146.0	0.635516	Y
6	STD16 460-889708/4	16.0	10.120376	8.0	1791282.0	0.632524	Y
7	STD24 460-889708/3	24.0	15.414151	8.0	1672978.0	0.642256	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

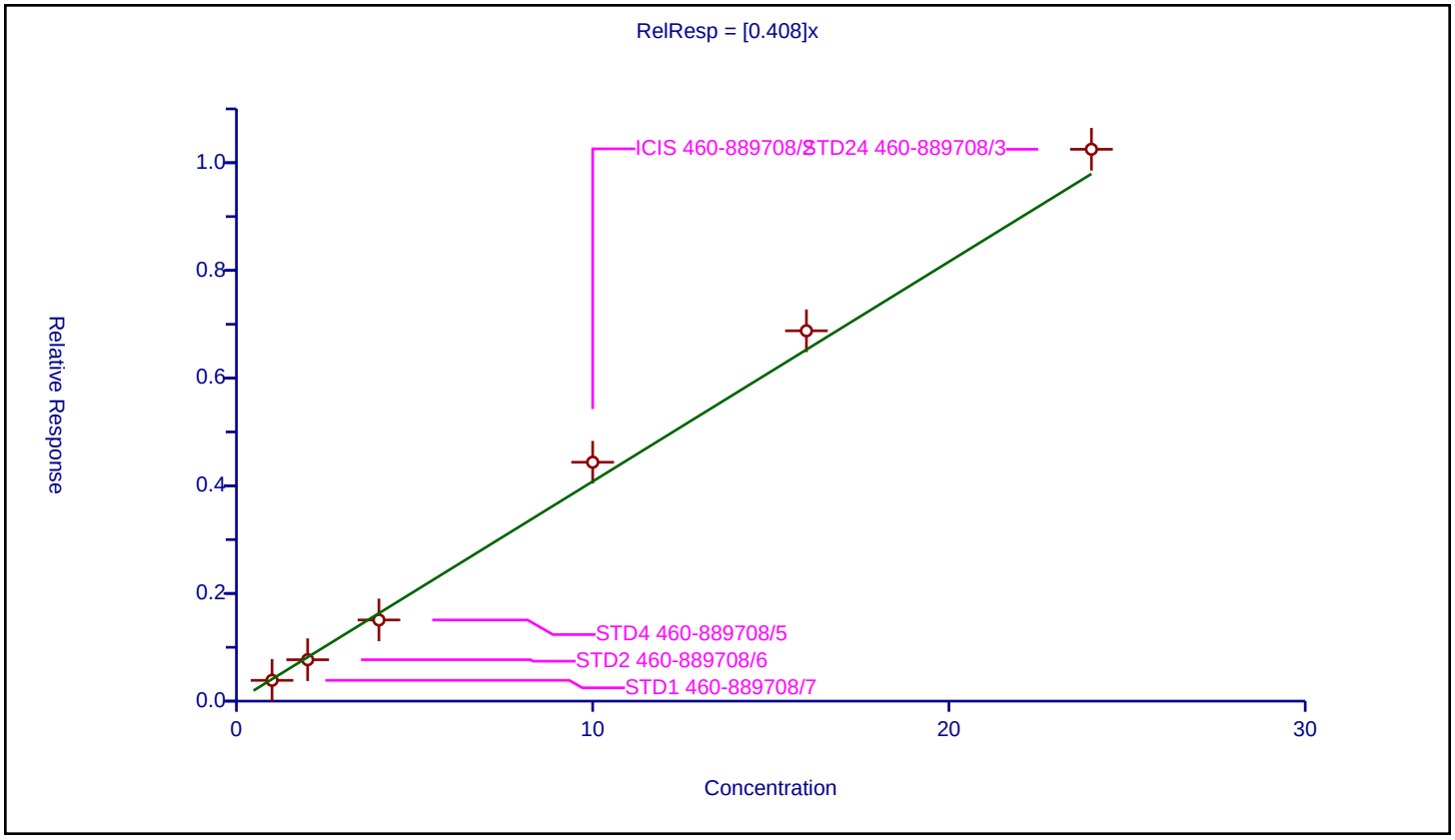
Curve Coefficients

Intercept:	0
Slope:	0.408

Error Coefficients

Standard Error:	781000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.386128	8.0	1297268.0	0.386128	Y
2	STD2 460-889708/6	2.0	0.769133	8.0	1637710.0	0.384566	Y
3	STD4 460-889708/5	4.0	1.507438	8.0	1195289.0	0.376859	Y
4	ICIS 460-889708/2	10.0	4.437146	8.0	1139188.0	0.443715	Y
5	STD16 460-889708/4	16.0	6.878632	8.0	1082078.0	0.429914	Y
6	STD24 460-889708/3	24.0	10.249991	8.0	1020164.0	0.427083	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

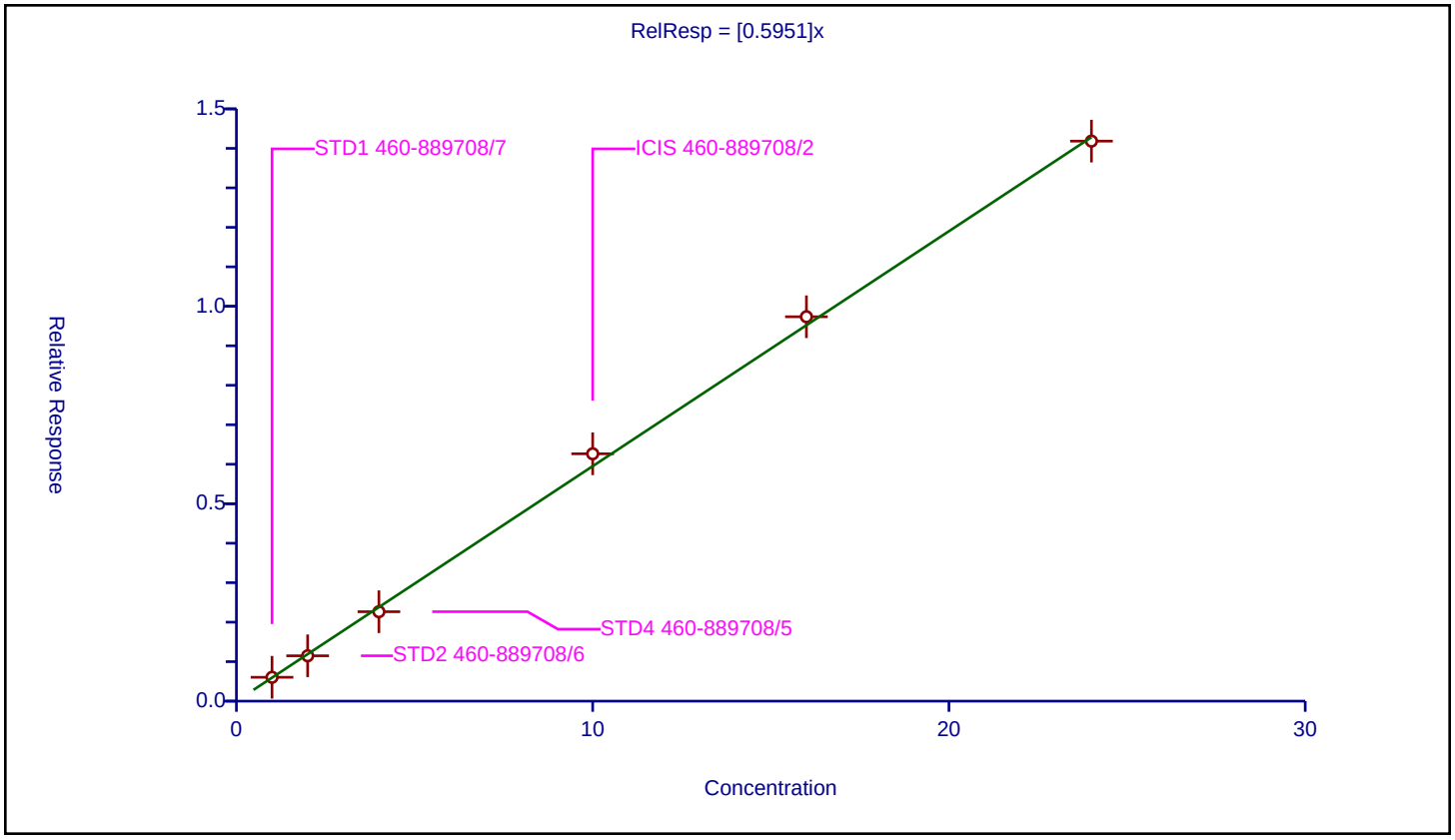
Curve Coefficients

Intercept:	0
Slope:	0.5951

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	3.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.604143	8.0	1297268.0	0.604143	Y
2	STD2 460-889708/6	2.0	1.148584	8.0	1637710.0	0.574292	Y
3	STD4 460-889708/5	4.0	2.264758	8.0	1195289.0	0.566189	Y
4	ICIS 460-889708/2	10.0	6.26482	8.0	1139188.0	0.626482	Y
5	STD16 460-889708/4	16.0	9.735468	8.0	1082078.0	0.608467	Y
6	STD24 460-889708/3	24.0	14.183947	8.0	1020164.0	0.590998	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

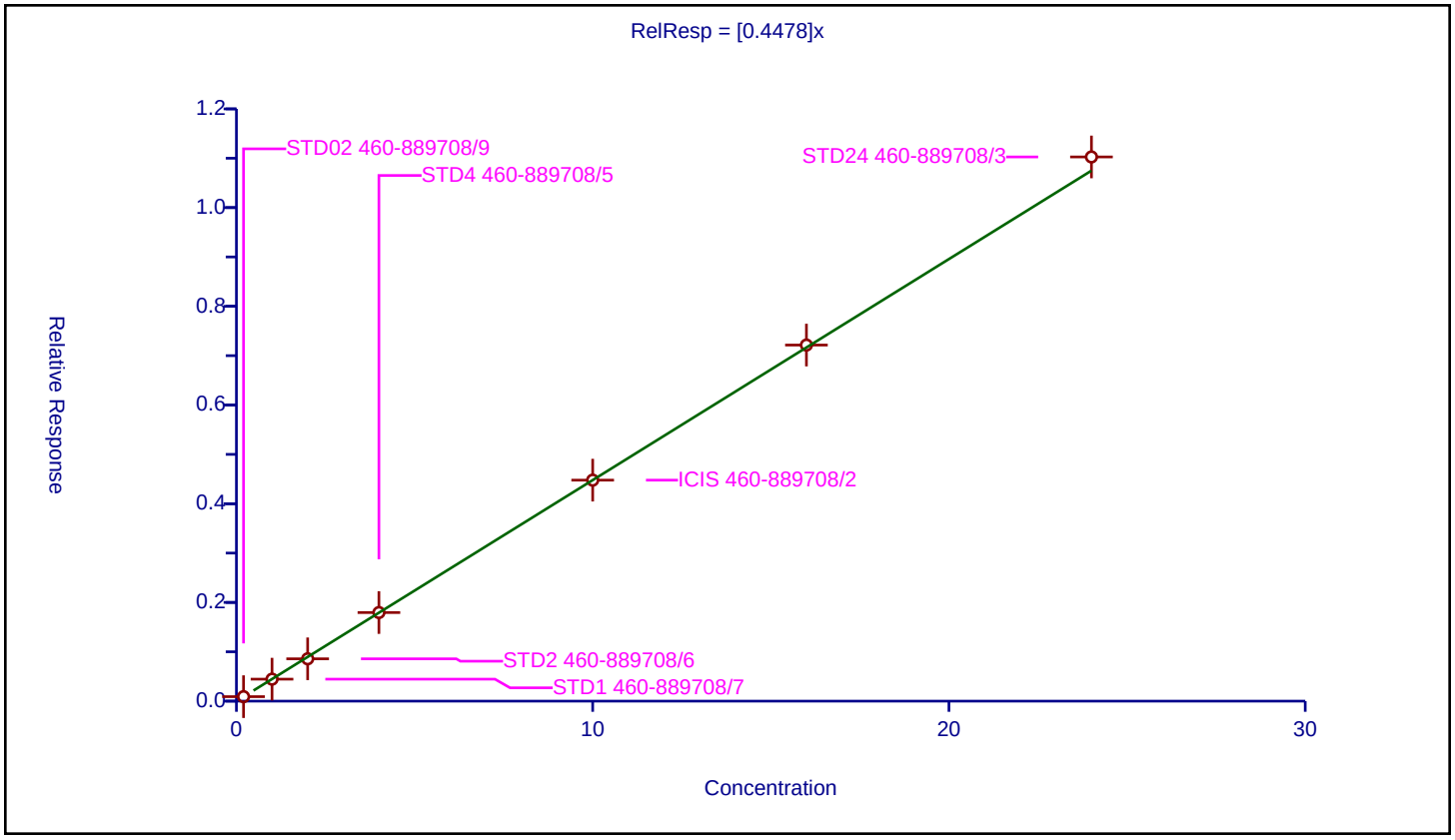
Curve Coefficients

Intercept:	0
Slope:	0.4478

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	2.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.090795	8.0	1832085.0	0.453975	Y
2	STD1 460-889708/7	1.0	0.445222	8.0	2003872.0	0.445222	Y
3	STD2 460-889708/6	2.0	0.857755	8.0	2525532.0	0.428878	Y
4	STD4 460-889708/5	4.0	1.794955	8.0	1861324.0	0.448739	Y
5	ICIS 460-889708/2	10.0	4.477676	8.0	1968146.0	0.447768	Y
6	STD16 460-889708/4	16.0	7.214904	8.0	1791282.0	0.450932	Y
7	STD24 460-889708/3	24.0	11.026369	8.0	1672978.0	0.459432	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

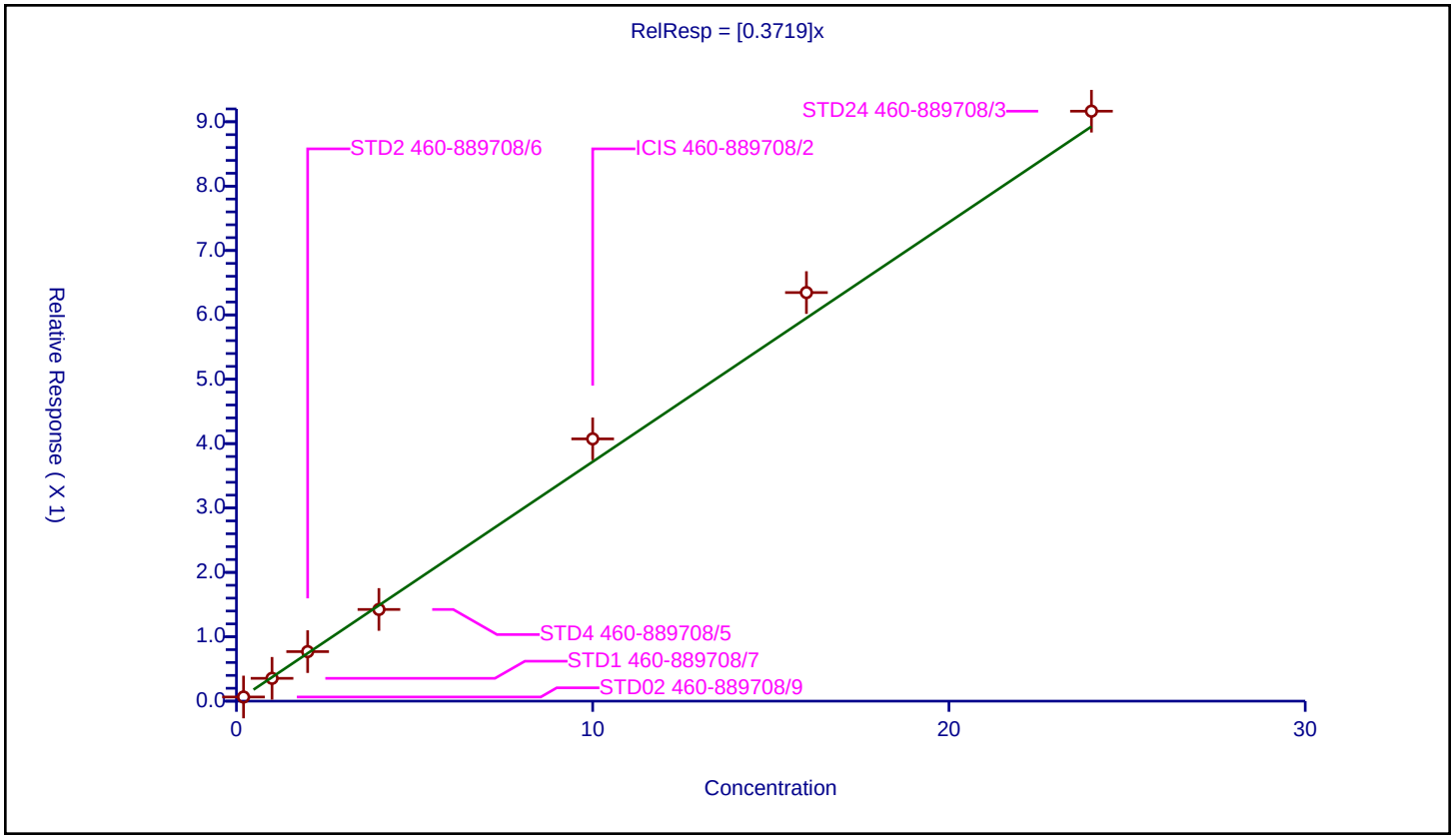
Curve Coefficients

Intercept:	0
Slope:	0.3719

Error Coefficients

Standard Error:	647000
Relative Standard Error:	7.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.064485	8.0	1196070.0	0.322423	Y
2	STD1 460-889708/7	1.0	0.354166	8.0	1297268.0	0.354166	Y
3	STD2 460-889708/6	2.0	0.76946	8.0	1637710.0	0.38473	Y
4	STD4 460-889708/5	4.0	1.424345	8.0	1195289.0	0.356086	Y
5	ICIS 460-889708/2	10.0	4.073947	8.0	1139188.0	0.407395	Y
6	STD16 460-889708/4	16.0	6.34704	8.0	1082078.0	0.39669	Y
7	STD24 460-889708/3	24.0	9.164283	8.0	1020164.0	0.381845	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

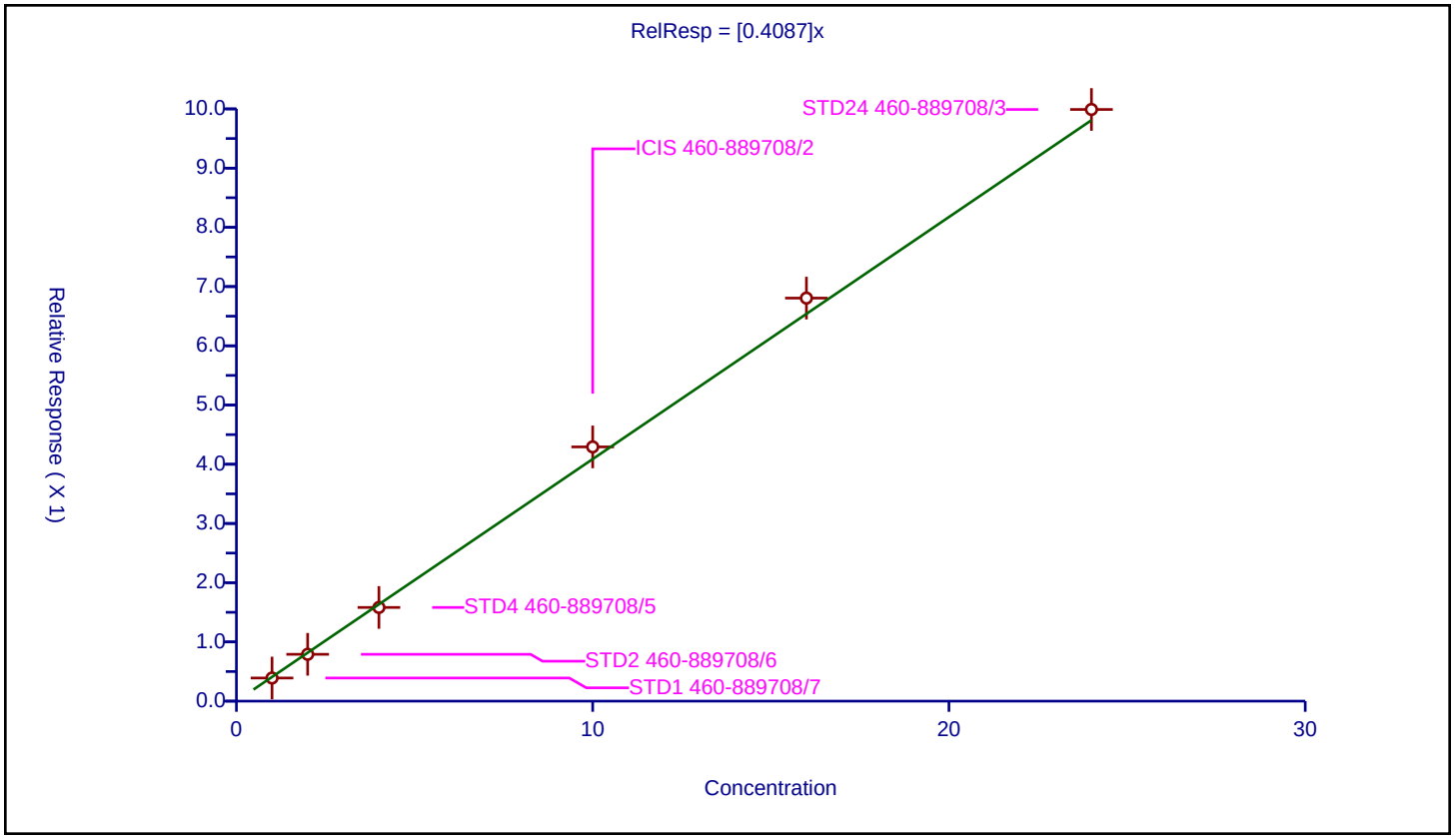
Curve Coefficients

Intercept:	0
Slope:	0.4087

Error Coefficients

Standard Error:	765000
Relative Standard Error:	4.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.390544	8.0	1297268.0	0.390544	Y
2	STD2 460-889708/6	2.0	0.790704	8.0	1637710.0	0.395352	Y
3	STD4 460-889708/5	4.0	1.581636	8.0	1195289.0	0.395409	Y
4	ICIS 460-889708/2	10.0	4.292833	8.0	1139188.0	0.429283	Y
5	STD16 460-889708/4	16.0	6.805336	8.0	1082078.0	0.425333	Y
6	STD24 460-889708/3	24.0	9.98997	8.0	1020164.0	0.416249	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

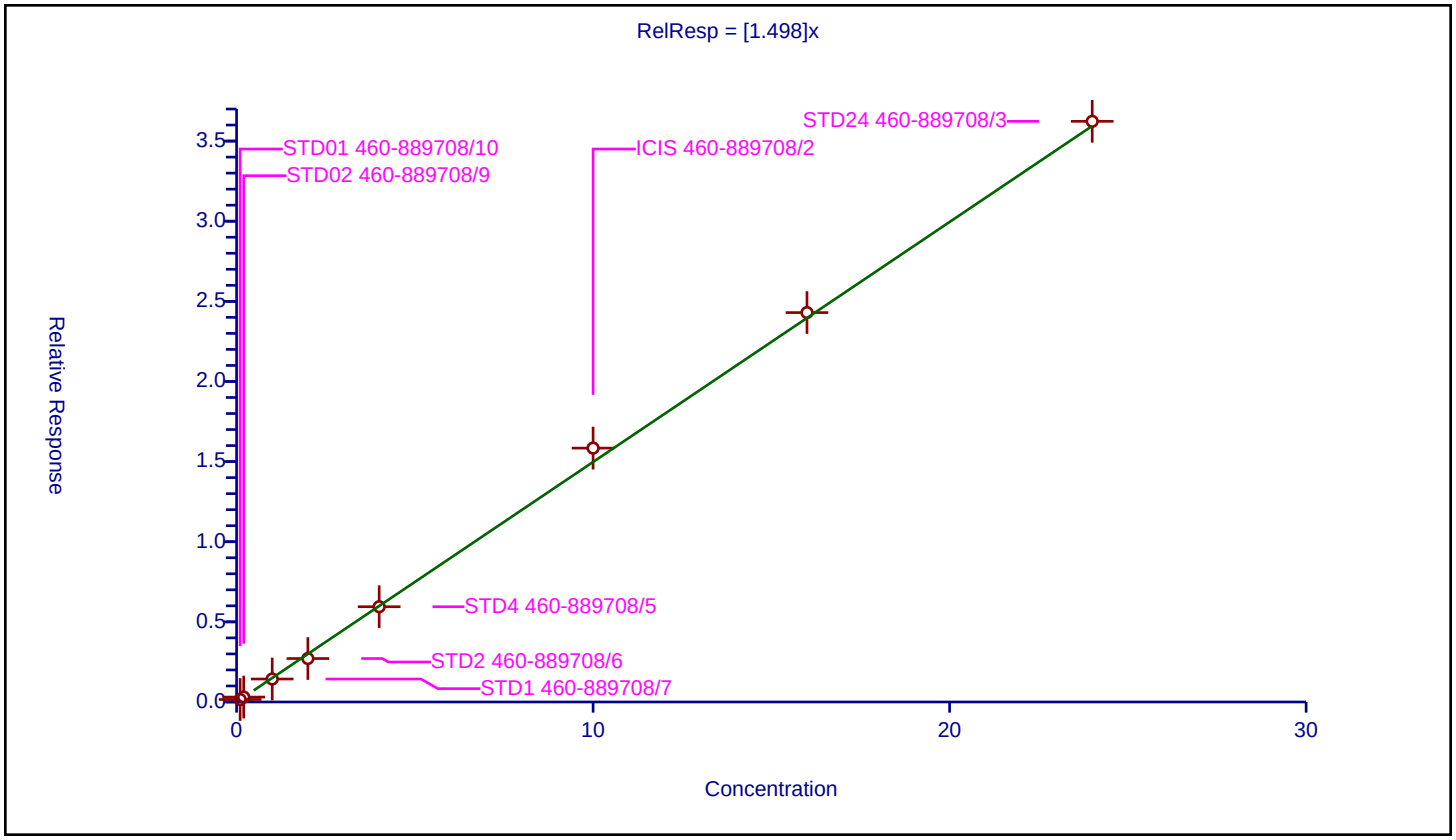
Curve Coefficients

Intercept:	0
Slope:	1.498

Error Coefficients

Standard Error:	2340000
Relative Standard Error:	4.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.155756	8.0	1116206.0	1.557562	Y
2	STD02 460-889708/9	0.2	0.307039	8.0	1196070.0	1.535194	Y
3	STD1 460-889708/7	1.0	1.433647	8.0	1297268.0	1.433647	Y
4	STD2 460-889708/6	2.0	2.71185	8.0	1637710.0	1.355925	Y
5	STD4 460-889708/5	4.0	5.94451	8.0	1195289.0	1.486128	Y
6	ICIS 460-889708/2	10.0	15.840841	8.0	1139188.0	1.584084	Y
7	STD16 460-889708/4	16.0	24.297627	8.0	1082078.0	1.518602	Y
8	STD24 460-889708/3	24.0	36.230708	8.0	1020164.0	1.509613	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

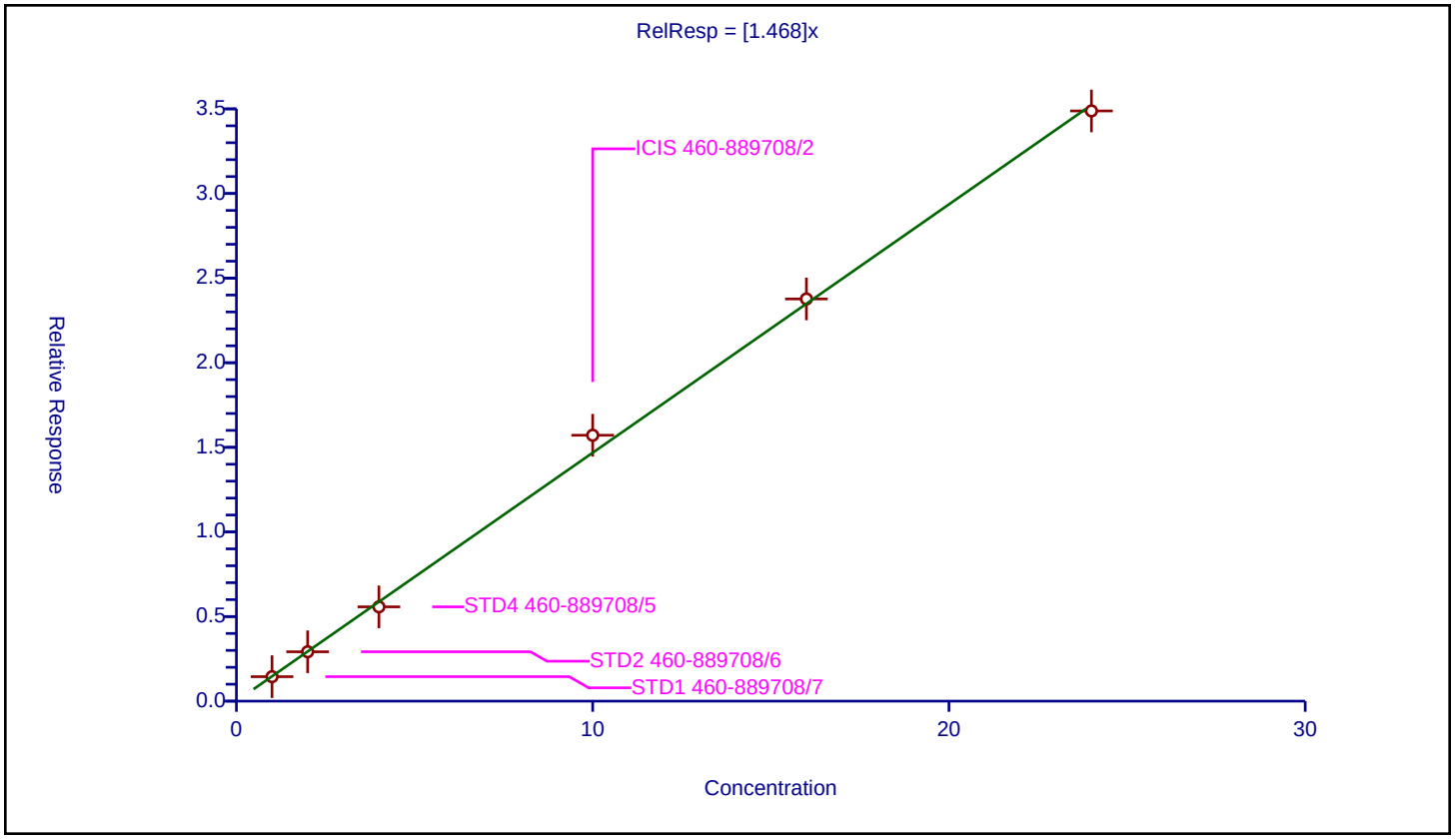
Curve Coefficients

Intercept:	0
Slope:	1.468

Error Coefficients

Standard Error:	2690000
Relative Standard Error:	4.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.44508	8.0	1297268.0	1.44508	Y
2	STD2 460-889708/6	2.0	2.917576	8.0	1637710.0	1.458788	Y
3	STD4 460-889708/5	4.0	5.572503	8.0	1195289.0	1.393126	Y
4	ICIS 460-889708/2	10.0	15.713719	8.0	1139188.0	1.571372	Y
5	STD16 460-889708/4	16.0	23.768786	8.0	1082078.0	1.485549	Y
6	STD24 460-889708/3	24.0	34.879349	8.0	1020164.0	1.453306	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

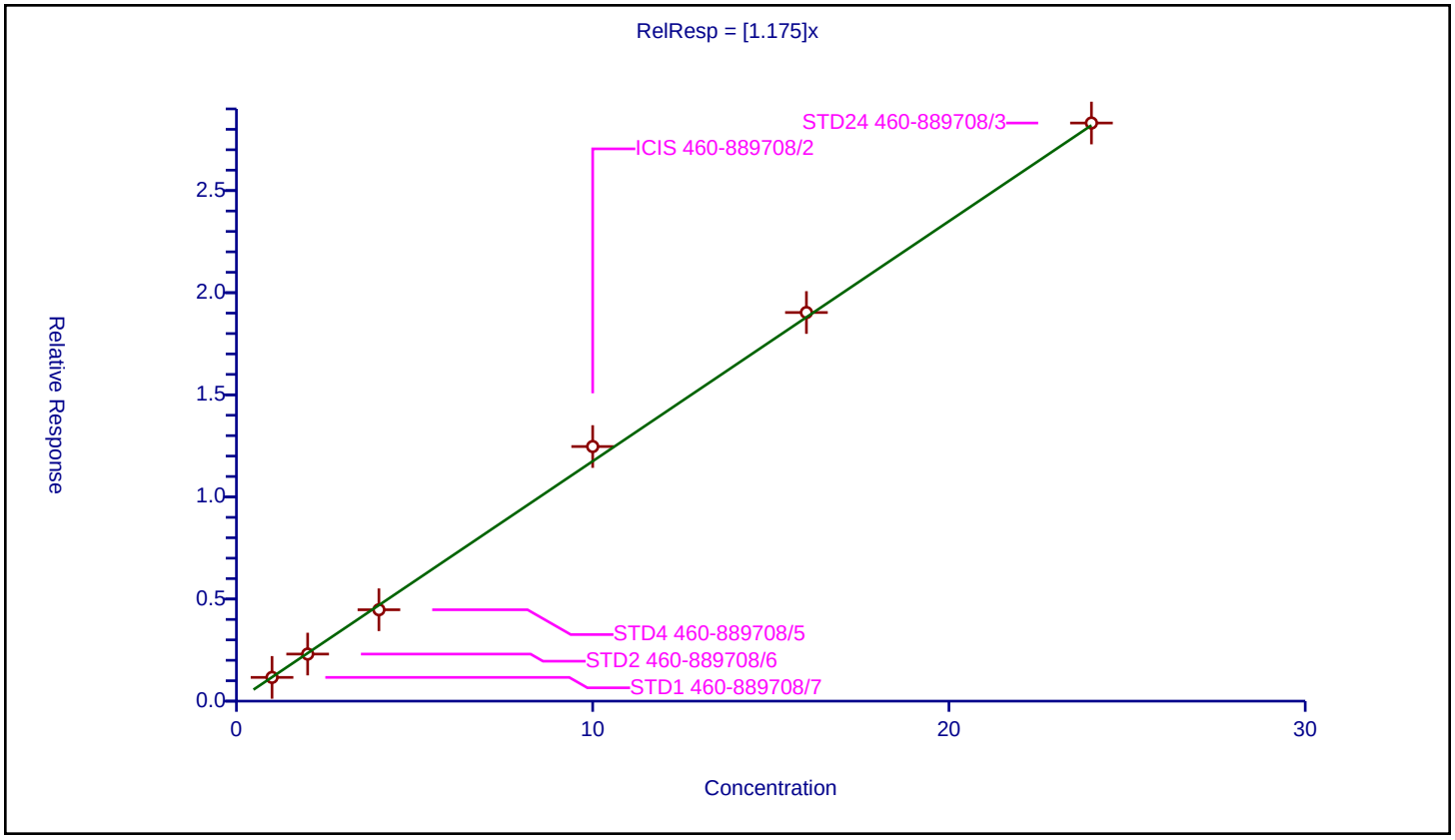
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	3.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.162344	8.0	1297268.0	1.162344	Y
2	STD2 460-889708/6	2.0	2.305356	8.0	1637710.0	1.152678	Y
3	STD4 460-889708/5	4.0	4.475068	8.0	1195289.0	1.118767	Y
4	ICIS 460-889708/2	10.0	12.467133	8.0	1139188.0	1.246713	Y
5	STD16 460-889708/4	16.0	19.030088	8.0	1082078.0	1.189381	Y
6	STD24 460-889708/3	24.0	28.308397	8.0	1020164.0	1.179517	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

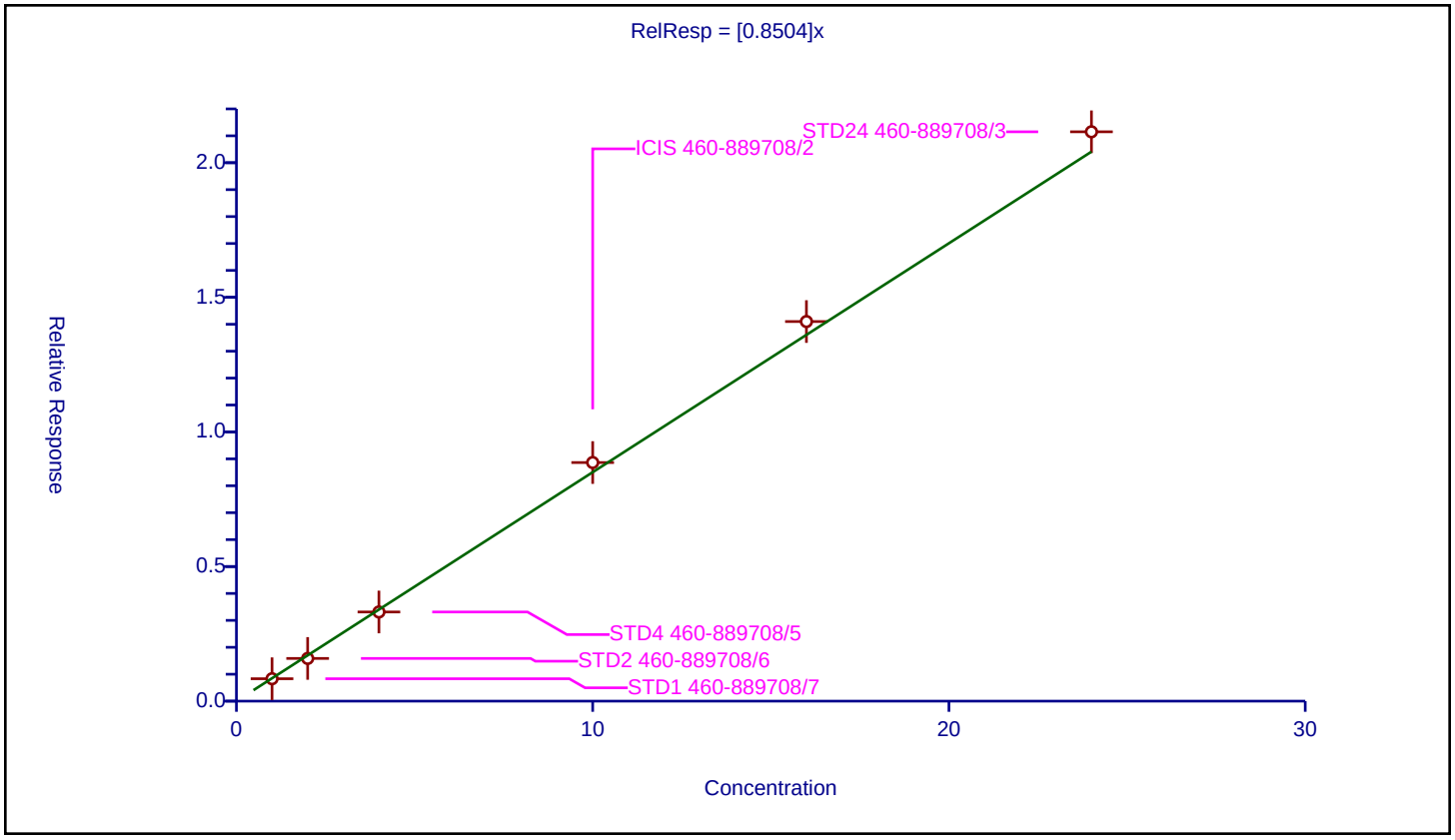
Curve Coefficients

Intercept:	0
Slope:	0.8504

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.832389	8.0	1297268.0	0.832389	Y
2	STD2 460-889708/6	2.0	1.586396	8.0	1637710.0	0.793198	Y
3	STD4 460-889708/5	4.0	3.311969	8.0	1195289.0	0.827992	Y
4	ICIS 460-889708/2	10.0	8.863043	8.0	1139188.0	0.886304	Y
5	STD16 460-889708/4	16.0	14.101017	8.0	1082078.0	0.881314	Y
6	STD24 460-889708/3	24.0	21.149023	8.0	1020164.0	0.881209	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

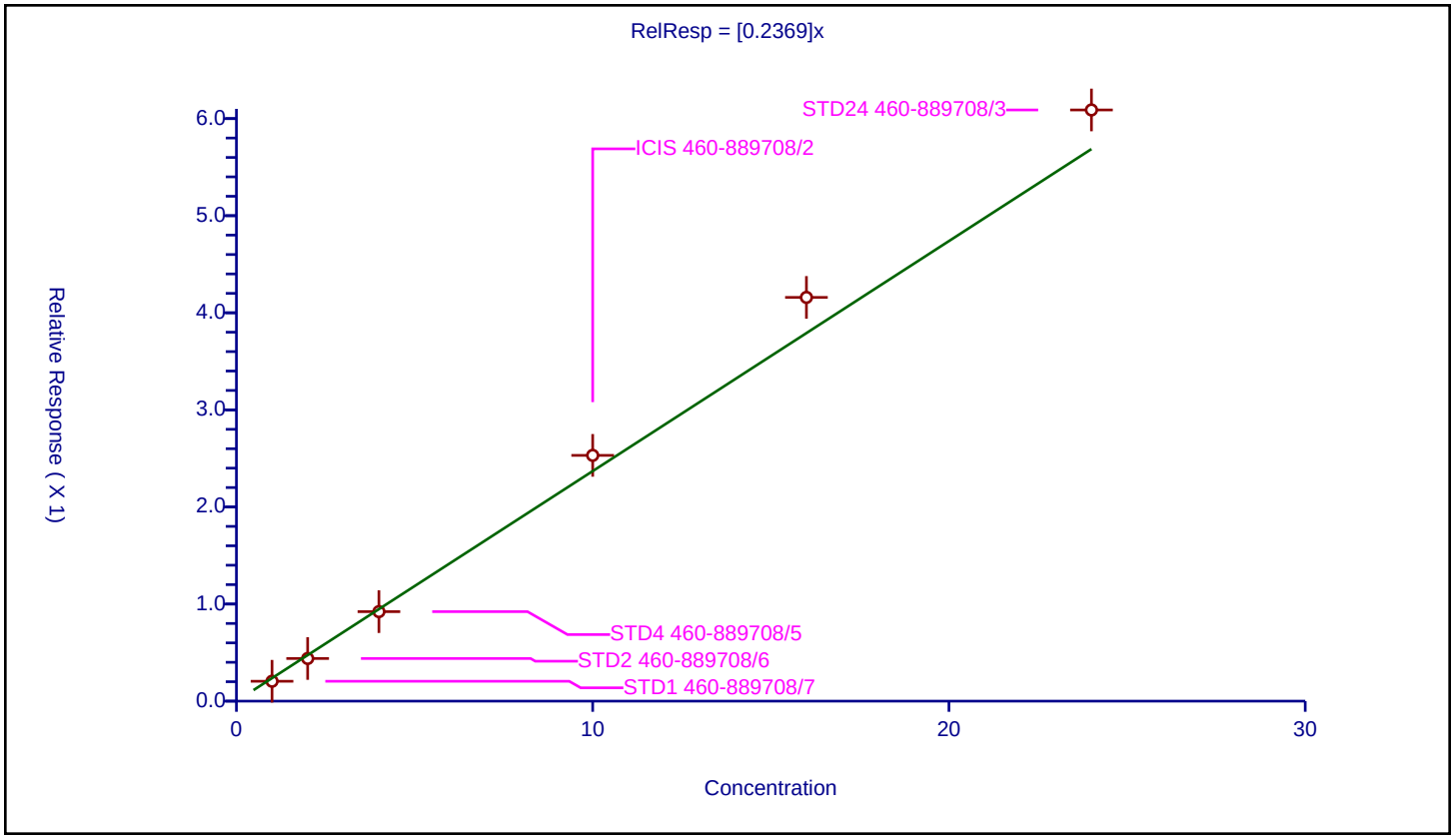
Curve Coefficients

Intercept:	0
Slope:	0.2369

Error Coefficients

Standard Error:	464000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.204763	8.0	1297268.0	0.204763	Y
2	STD2 460-889708/6	2.0	0.439277	8.0	1637710.0	0.219638	Y
3	STD4 460-889708/5	4.0	0.921739	8.0	1195289.0	0.230435	Y
4	ICIS 460-889708/2	10.0	2.531319	8.0	1139188.0	0.253132	Y
5	STD16 460-889708/4	16.0	4.158399	8.0	1082078.0	0.2599	Y
6	STD24 460-889708/3	24.0	6.089052	8.0	1020164.0	0.253711	Y



Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

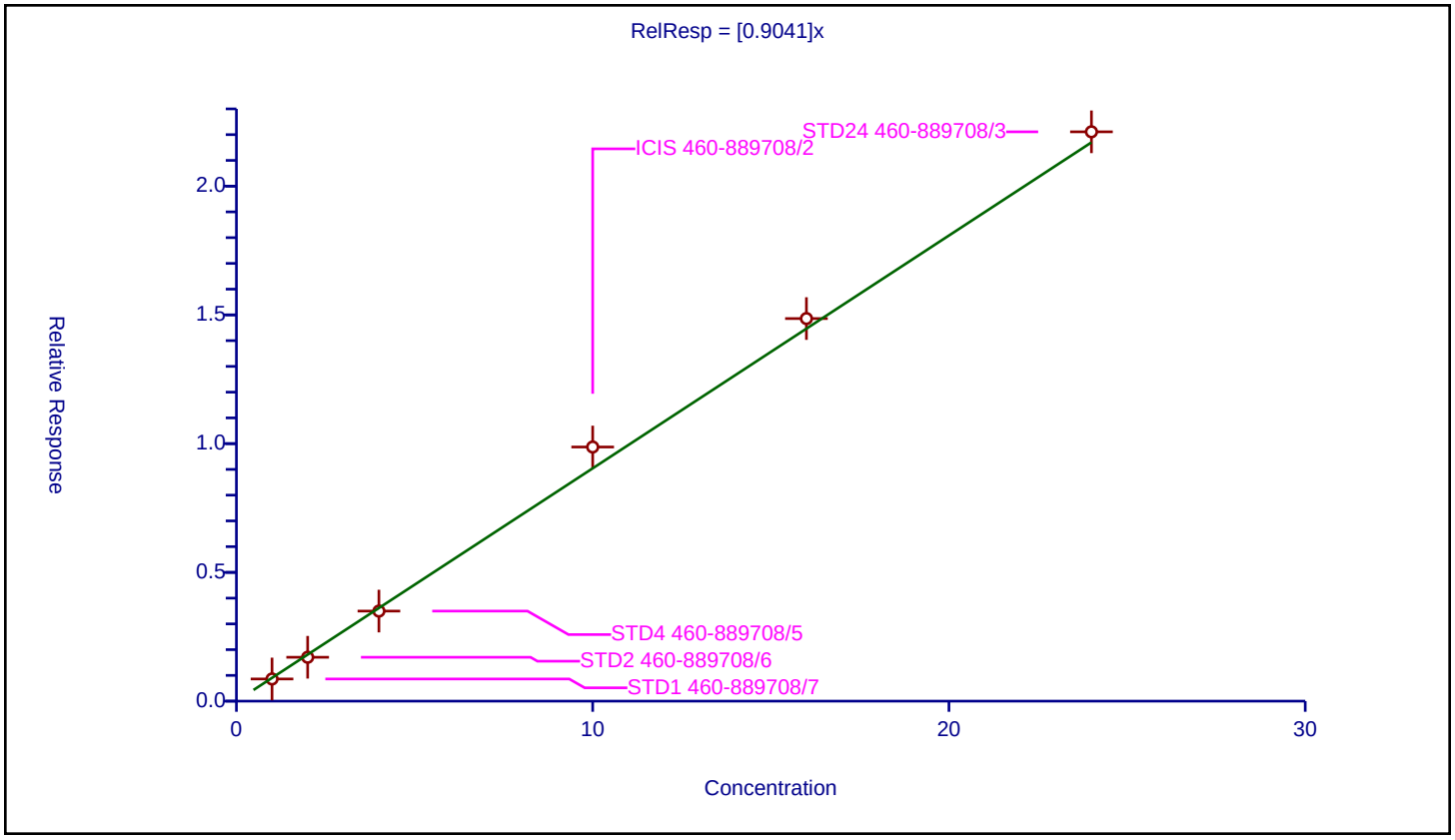
Curve Coefficients

Intercept:	0
Slope:	0.9041

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	5.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.861564	8.0	1297268.0	0.861564	Y
2	STD2 460-889708/6	2.0	1.70396	8.0	1637710.0	0.85198	Y
3	STD4 460-889708/5	4.0	3.497604	8.0	1195289.0	0.874401	Y
4	ICIS 460-889708/2	10.0	9.868671	8.0	1139188.0	0.986867	Y
5	STD16 460-889708/4	16.0	14.857354	8.0	1082078.0	0.928585	Y
6	STD24 460-889708/3	24.0	22.109033	8.0	1020164.0	0.92121	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

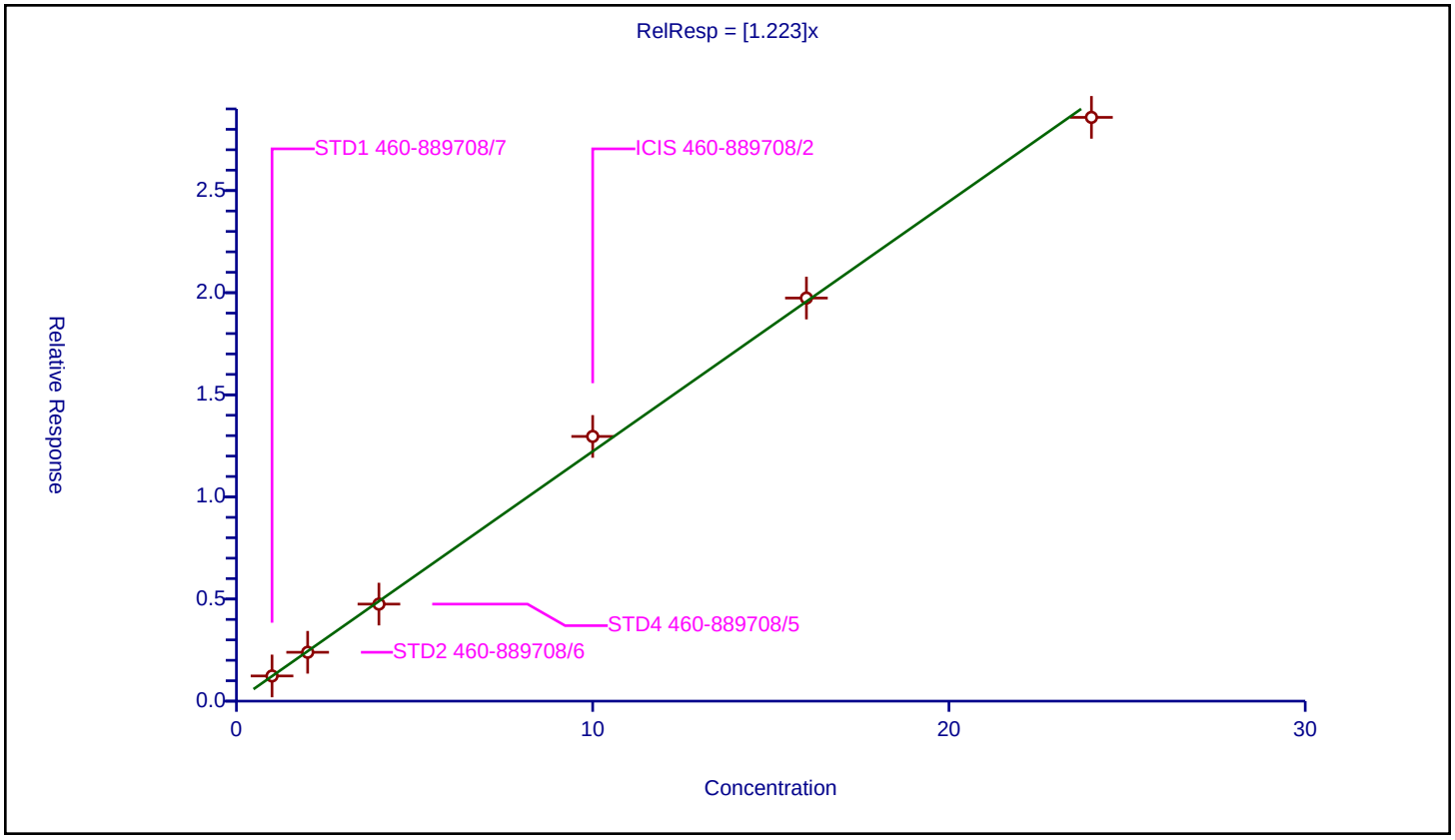
Curve Coefficients

Intercept:	0
Slope:	1.223

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	3.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.233047	8.0	1297268.0	1.233047	Y
2	STD2 460-889708/6	2.0	2.39237	8.0	1637710.0	1.196185	Y
3	STD4 460-889708/5	4.0	4.752196	8.0	1195289.0	1.188049	Y
4	ICIS 460-889708/2	10.0	12.961759	8.0	1139188.0	1.296176	Y
5	STD16 460-889708/4	16.0	19.73806	8.0	1082078.0	1.233629	Y
6	STD24 460-889708/3	24.0	28.584918	8.0	1020164.0	1.191038	Y



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

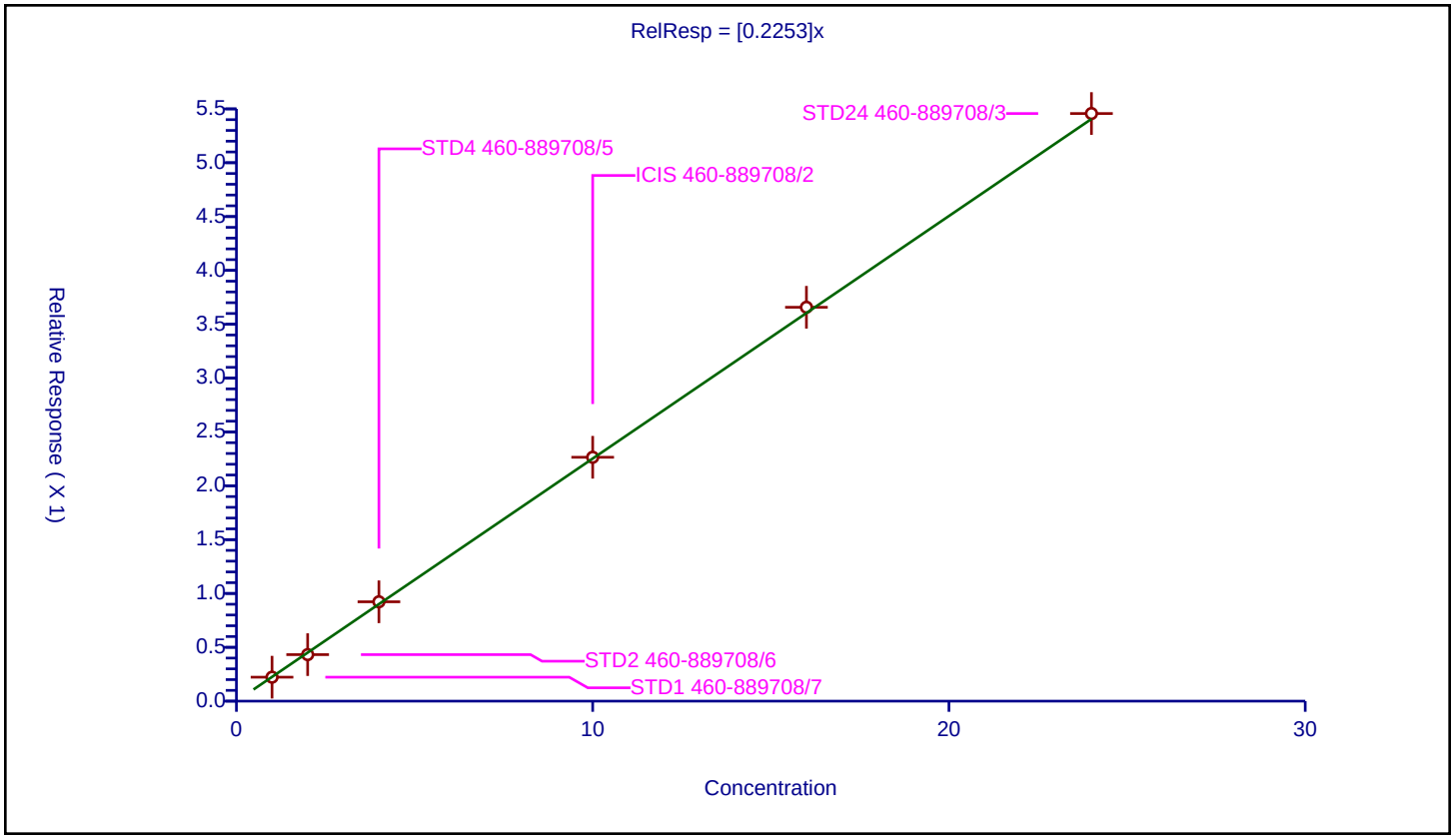
Curve Coefficients

Intercept:	0
Slope:	0.2253

Error Coefficients

Standard Error:	686000
Relative Standard Error:	2.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.222533	8.0	2003872.0	0.222533	Y
2	STD2 460-889708/6	2.0	0.431915	8.0	2525532.0	0.215958	Y
3	STD4 460-889708/5	4.0	0.922595	8.0	1861324.0	0.230649	Y
4	ICIS 460-889708/2	10.0	2.264673	8.0	1968146.0	0.226467	Y
5	STD16 460-889708/4	16.0	3.657707	8.0	1791282.0	0.228607	Y
6	STD24 460-889708/3	24.0	5.457066	8.0	1672978.0	0.227378	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

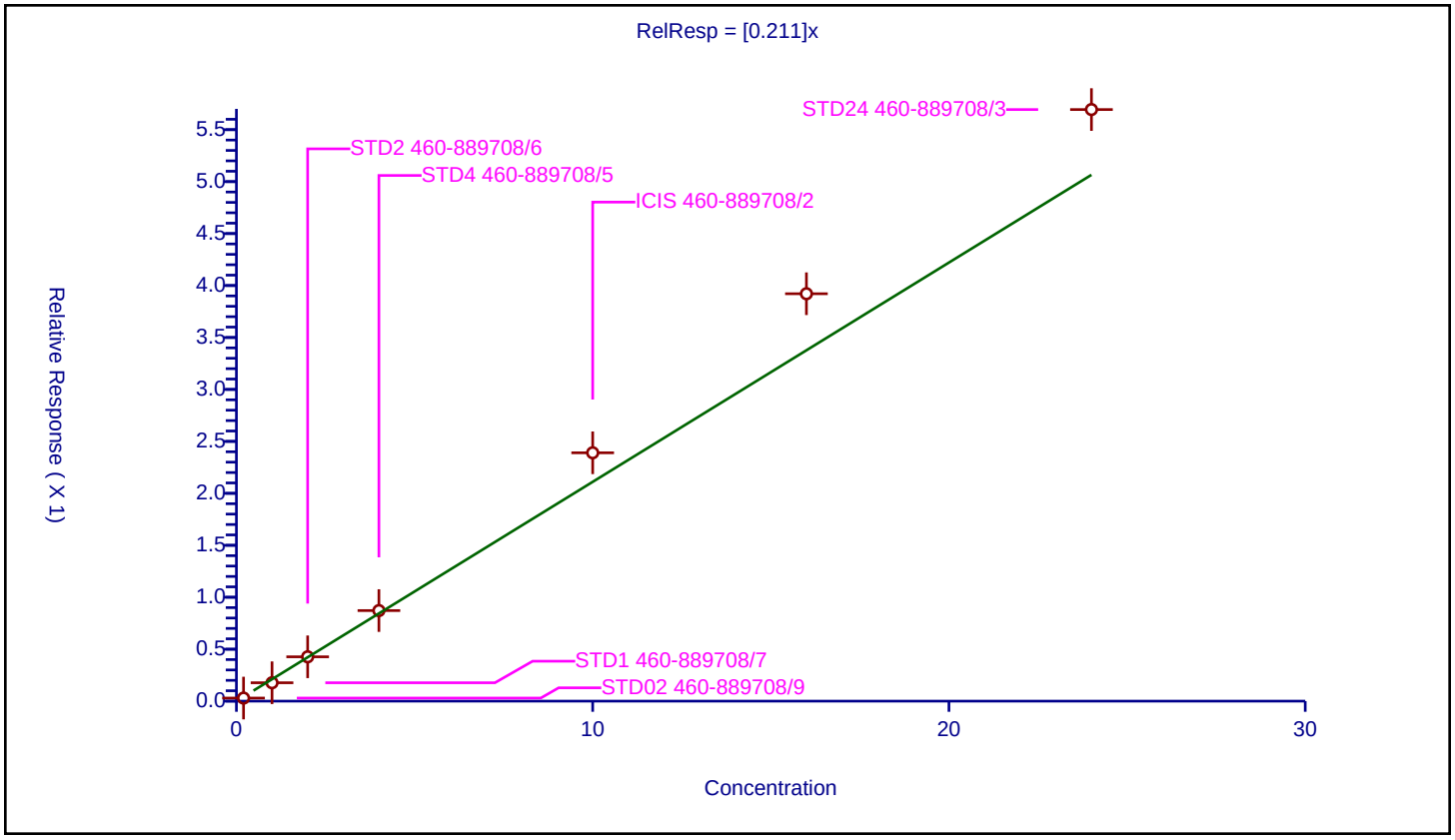
Curve Coefficients

Intercept:	0
Slope:	0.211

Error Coefficients

Standard Error:	398000
Relative Standard Error:	17.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.029563	8.0	1196070.0	0.147817	Y
2	STD1 460-889708/7	1.0	0.176938	8.0	1297268.0	0.176938	Y
3	STD2 460-889708/6	2.0	0.426688	8.0	1637710.0	0.213344	Y
4	STD4 460-889708/5	4.0	0.871595	8.0	1195289.0	0.217899	Y
5	ICIS 460-889708/2	10.0	2.390278	8.0	1139188.0	0.239028	Y
6	STD16 460-889708/4	16.0	3.920915	8.0	1082078.0	0.245057	Y
7	STD24 460-889708/3	24.0	5.693618	8.0	1020164.0	0.237234	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

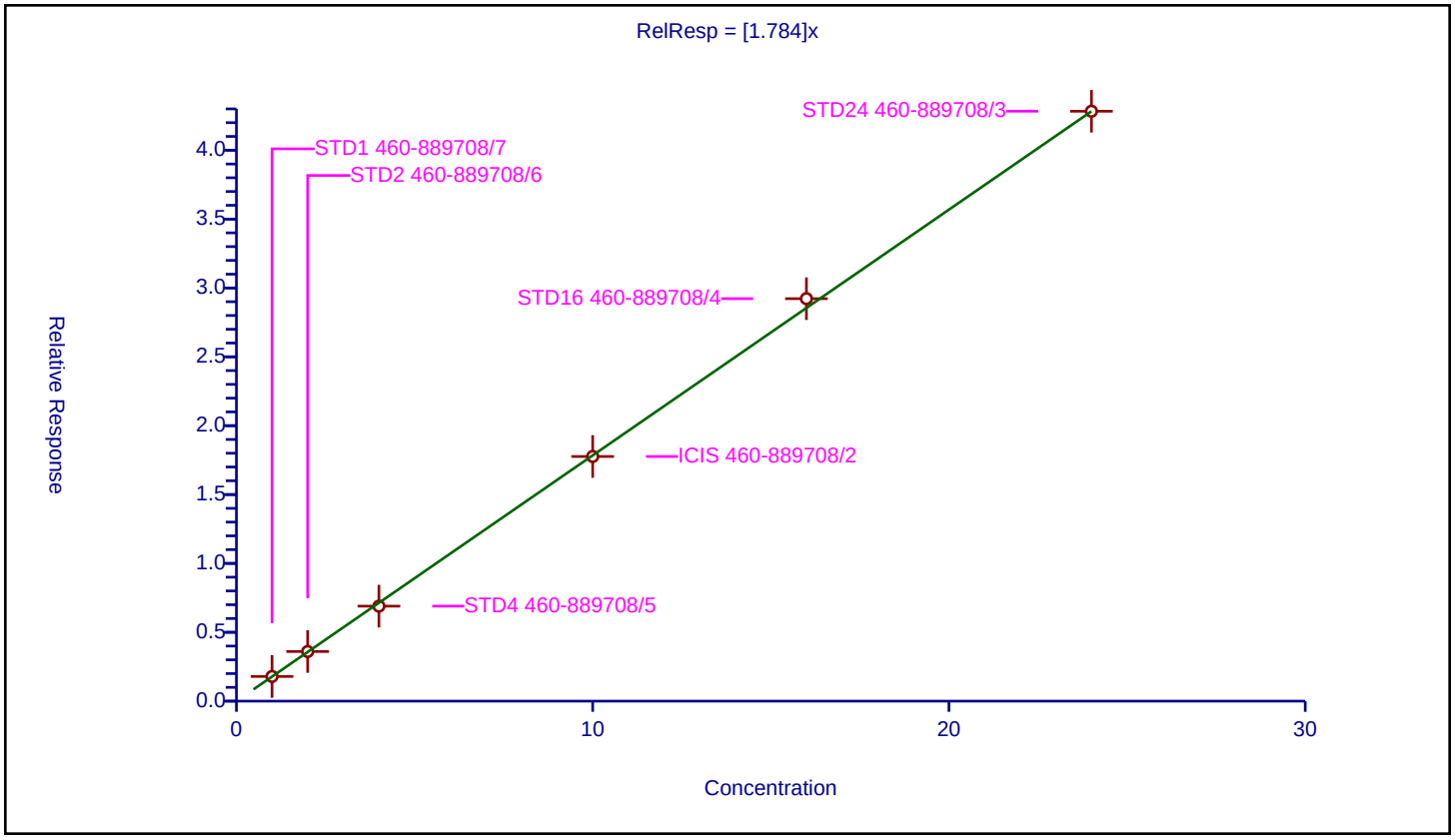
Curve Coefficients

Intercept:	0
Slope:	1.784

Error Coefficients

Standard Error:	3270000
Relative Standard Error:	1.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.792049	8.0	1297268.0	1.792049	Y
2	STD2 460-889708/6	2.0	3.603393	8.0	1637710.0	1.801696	Y
3	STD4 460-889708/5	4.0	6.897646	8.0	1195289.0	1.724411	Y
4	ICIS 460-889708/2	10.0	17.762729	8.0	1139188.0	1.776273	Y
5	STD16 460-889708/4	16.0	29.222921	8.0	1082078.0	1.826433	Y
6	STD24 460-889708/3	24.0	42.829867	8.0	1020164.0	1.784578	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

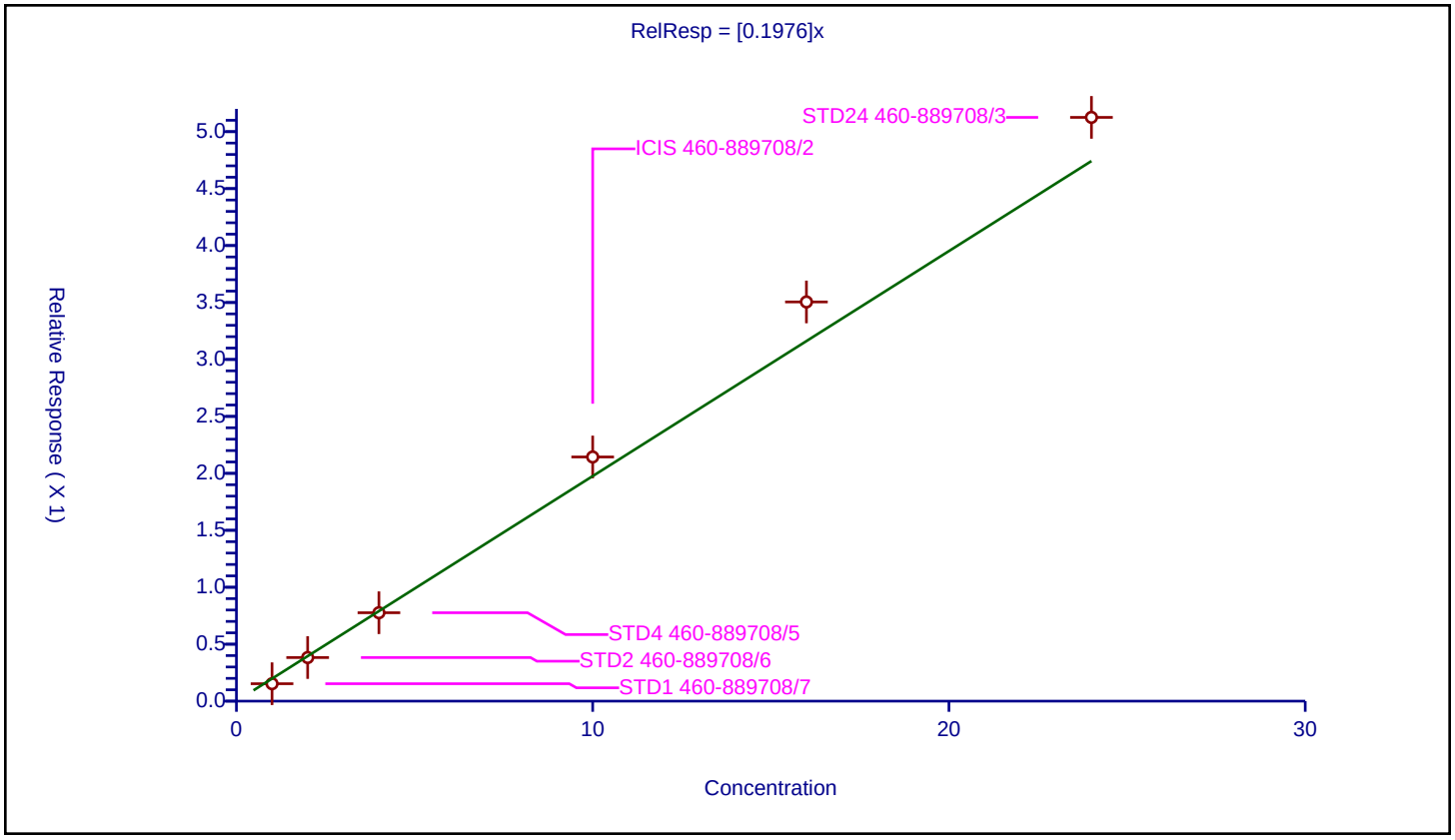
Curve Coefficients

Intercept:	0
Slope:	0.1976

Error Coefficients

Standard Error:	391000
Relative Standard Error:	12.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.153091	8.0	1297268.0	0.153091	Y
2	STD2 460-889708/6	2.0	0.382671	8.0	1637710.0	0.191335	Y
3	STD4 460-889708/5	4.0	0.776321	8.0	1195289.0	0.19408	Y
4	ICIS 460-889708/2	10.0	2.143744	8.0	1139188.0	0.214374	Y
5	STD16 460-889708/4	16.0	3.505137	8.0	1082078.0	0.219071	Y
6	STD24 460-889708/3	24.0	5.125443	8.0	1020164.0	0.21356	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

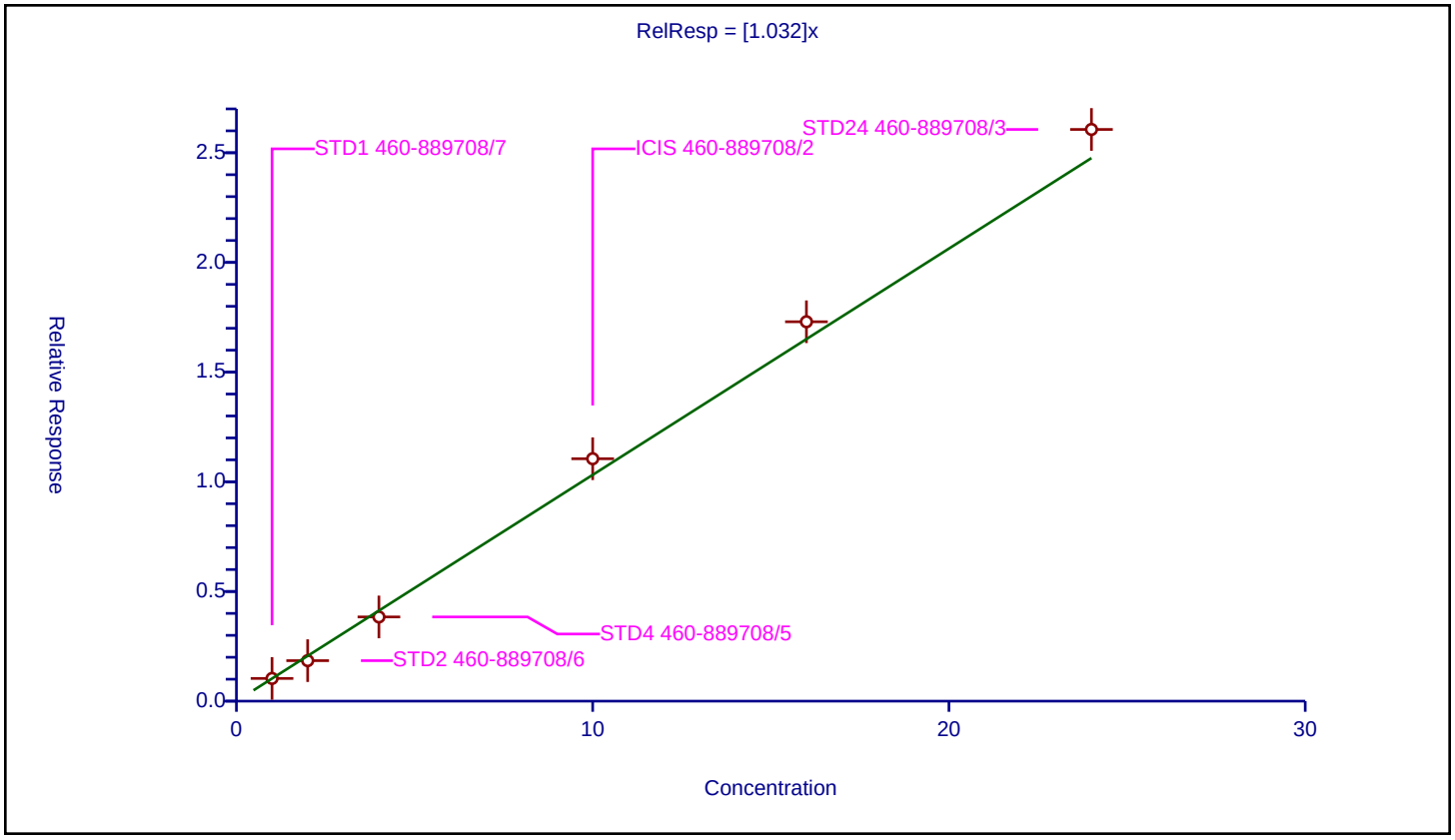
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.03492	8.0	1297268.0	1.03492	Y
2	STD2 460-889708/6	2.0	1.845763	8.0	1637710.0	0.922881	Y
3	STD4 460-889708/5	4.0	3.83857	8.0	1195289.0	0.959642	Y
4	ICIS 460-889708/2	10.0	11.051022	8.0	1139188.0	1.105102	Y
5	STD16 460-889708/4	16.0	17.295973	8.0	1082078.0	1.080998	Y
6	STD24 460-889708/3	24.0	26.062813	8.0	1020164.0	1.085951	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

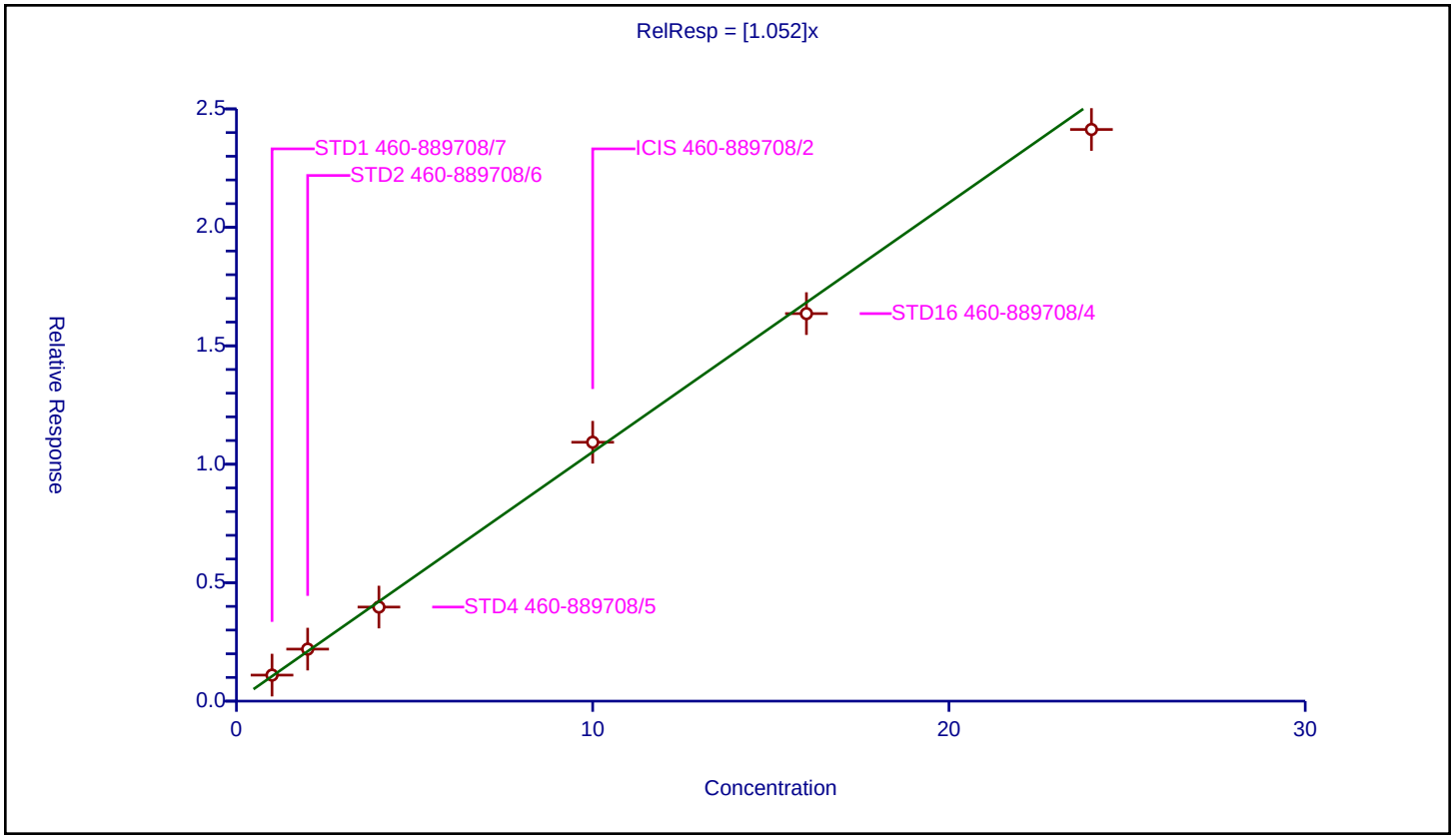
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Standard Error:	1860000
Relative Standard Error:	4.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.098684	8.0	1297268.0	1.098684	Y
2	STD2 460-889708/6	2.0	2.195993	8.0	1637710.0	1.097997	Y
3	STD4 460-889708/5	4.0	3.971746	8.0	1195289.0	0.992936	Y
4	ICIS 460-889708/2	10.0	10.928591	8.0	1139188.0	1.092859	Y
5	STD16 460-889708/4	16.0	16.358902	8.0	1082078.0	1.022431	Y
6	STD24 460-889708/3	24.0	24.13045	8.0	1020164.0	1.005435	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

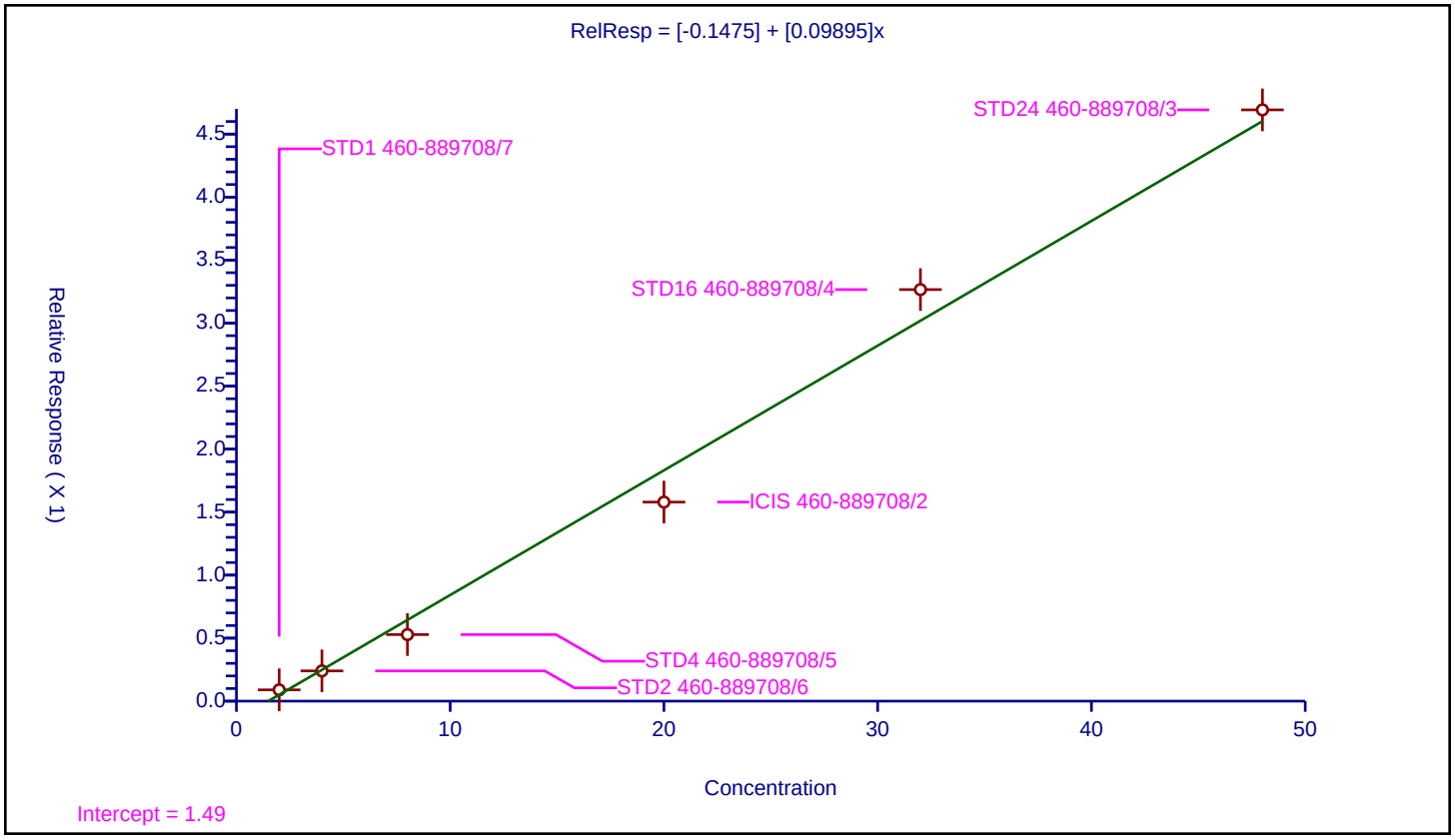
Curve Coefficients

Intercept:	-0.1475
Slope:	0.09895

Error Coefficients

Standard Error:	391000
Relative Standard Error:	14.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	2.0	0.089567	8.0	1297268.0	0.044783	Y
2	STD2 460-889708/6	4.0	0.240033	8.0	1637710.0	0.060008	Y
3	STD4 460-889708/5	8.0	0.528087	8.0	1195289.0	0.066011	Y
4	ICIS 460-889708/2	20.0	1.579701	8.0	1139188.0	0.078985	Y
5	STD16 460-889708/4	32.0	3.266034	8.0	1082078.0	0.102064	Y
6	STD24 460-889708/3	48.0	4.692108	8.0	1020164.0	0.097752	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

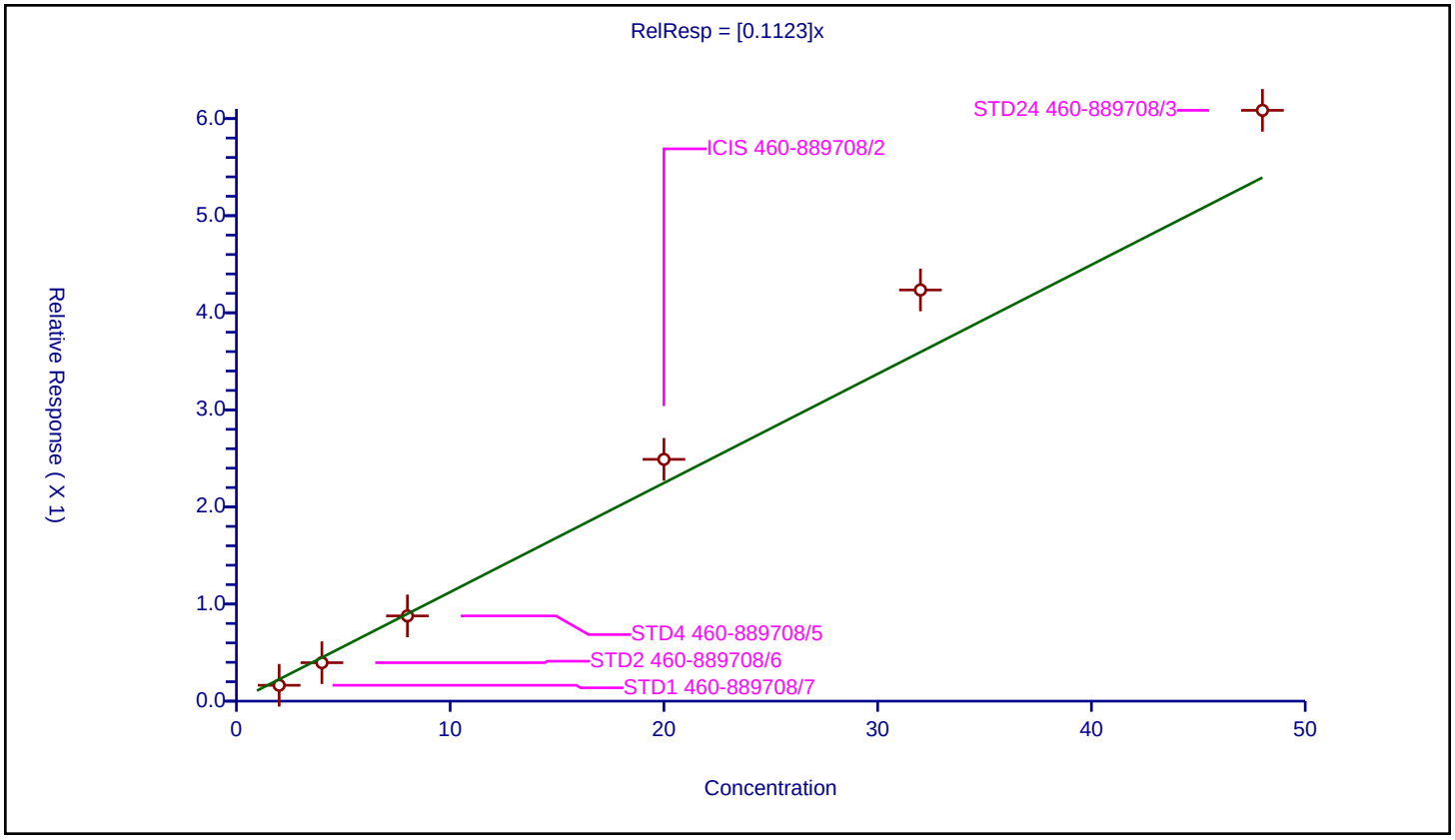
Curve Coefficients

Intercept:	0
Slope:	0.1123

Error Coefficients

Standard Error:	465000
Relative Standard Error:	17.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	2.0	0.163427	8.0	1297268.0	0.081713	Y
2	STD2 460-889708/6	4.0	0.395948	8.0	1637710.0	0.098987	Y
3	STD4 460-889708/5	8.0	0.878047	8.0	1195289.0	0.109756	Y
4	ICIS 460-889708/2	20.0	2.490532	8.0	1139188.0	0.124527	Y
5	STD16 460-889708/4	32.0	4.234963	8.0	1082078.0	0.132343	Y
6	STD24 460-889708/3	48.0	6.085131	8.0	1020164.0	0.126774	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

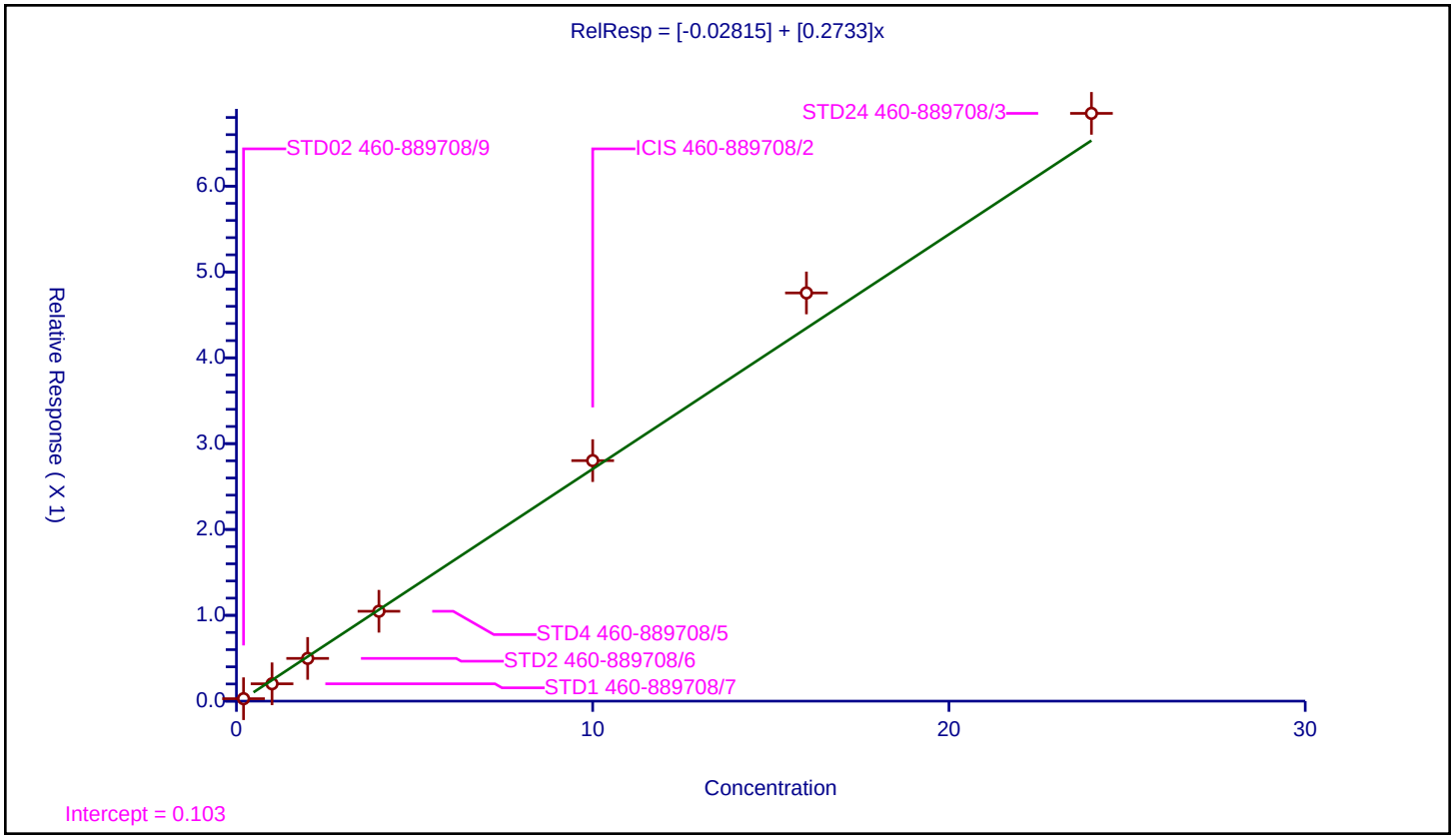
Curve Coefficients

Intercept:	-0.02815
Slope:	0.2733

Error Coefficients

Standard Error:	524000
Relative Standard Error:	9.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.02836	8.0	1196070.0	0.141798	Y
2	STD1 460-889708/7	1.0	0.202031	8.0	1297268.0	0.202031	Y
3	STD2 460-889708/6	2.0	0.498012	8.0	1637710.0	0.249006	Y
4	STD4 460-889708/5	4.0	1.047158	8.0	1195289.0	0.261789	Y
5	ICIS 460-889708/2	10.0	2.802164	8.0	1139188.0	0.280216	Y
6	STD16 460-889708/4	16.0	4.755753	8.0	1082078.0	0.297235	Y
7	STD24 460-889708/3	24.0	6.84777	8.0	1020164.0	0.285324	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

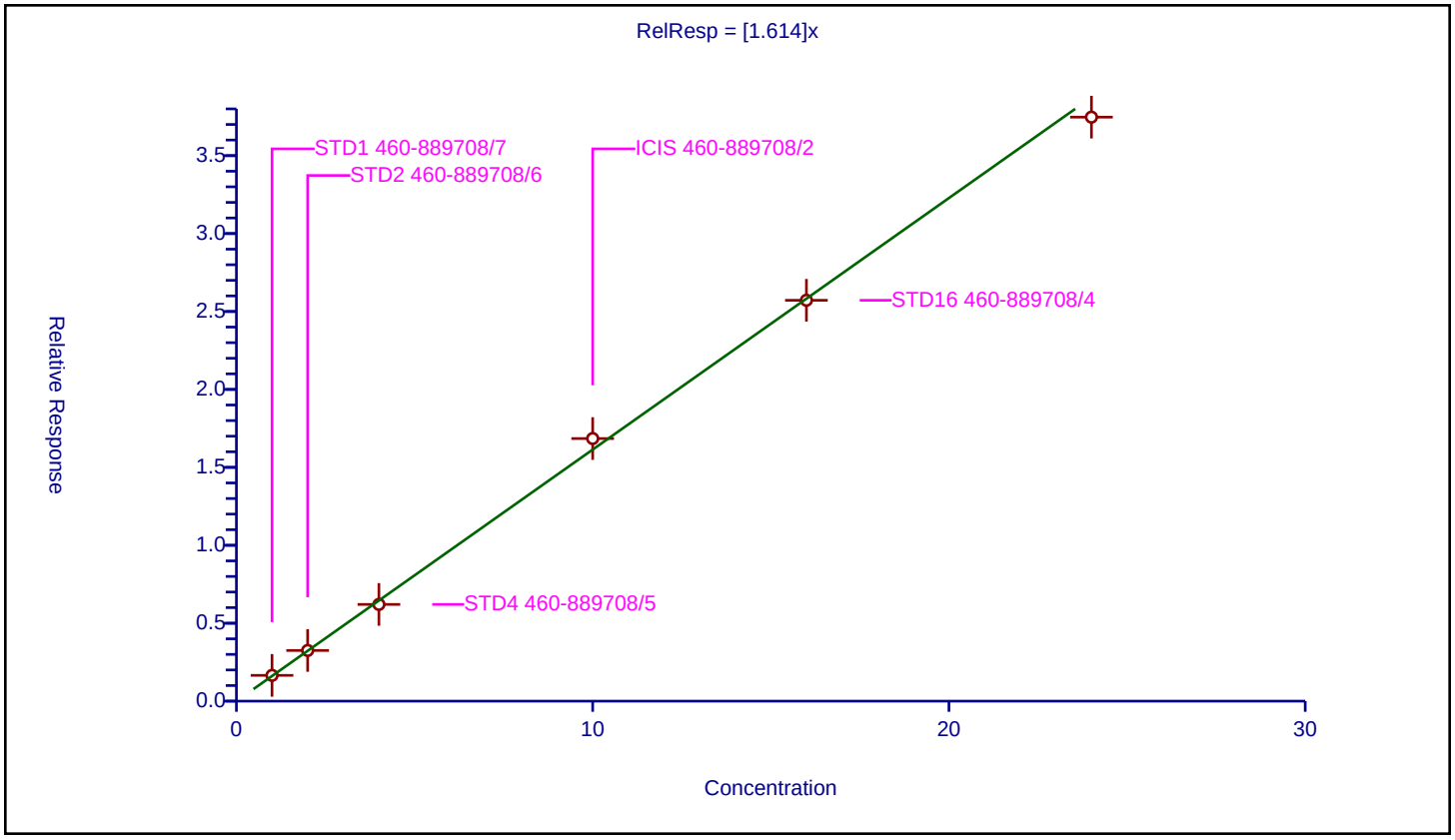
Curve Coefficients

Intercept:	0
Slope:	1.614

Error Coefficients

Standard Error:	2900000
Relative Standard Error:	3.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.653419	8.0	1297268.0	1.653419	Y
2	STD2 460-889708/6	2.0	3.250353	8.0	1637710.0	1.625177	Y
3	STD4 460-889708/5	4.0	6.206633	8.0	1195289.0	1.551658	Y
4	ICIS 460-889708/2	10.0	16.849103	8.0	1139188.0	1.68491	Y
5	STD16 460-889708/4	16.0	25.720423	8.0	1082078.0	1.607526	Y
6	STD24 460-889708/3	24.0	37.469544	8.0	1020164.0	1.561231	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

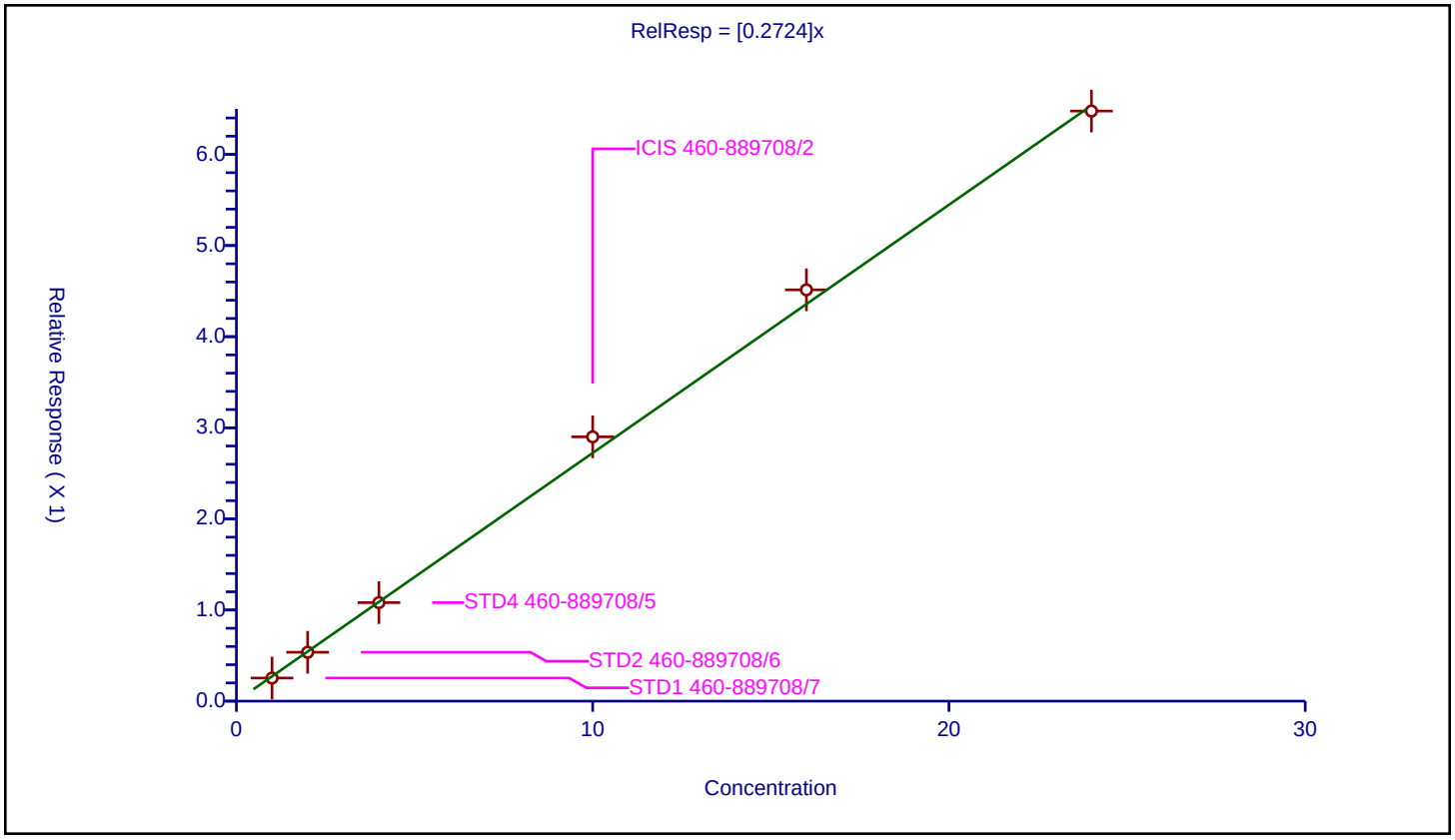
Curve Coefficients

Intercept:	0
Slope:	0.2724

Error Coefficients

Standard Error:	503000
Relative Standard Error:	4.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.253505	8.0	1297268.0	0.253505	Y
2	STD2 460-889708/6	2.0	0.536495	8.0	1637710.0	0.268248	Y
3	STD4 460-889708/5	4.0	1.081479	8.0	1195289.0	0.27037	Y
4	ICIS 460-889708/2	10.0	2.900824	8.0	1139188.0	0.290082	Y
5	STD16 460-889708/4	16.0	4.514166	8.0	1082078.0	0.282135	Y
6	STD24 460-889708/3	24.0	6.47619	8.0	1020164.0	0.269841	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

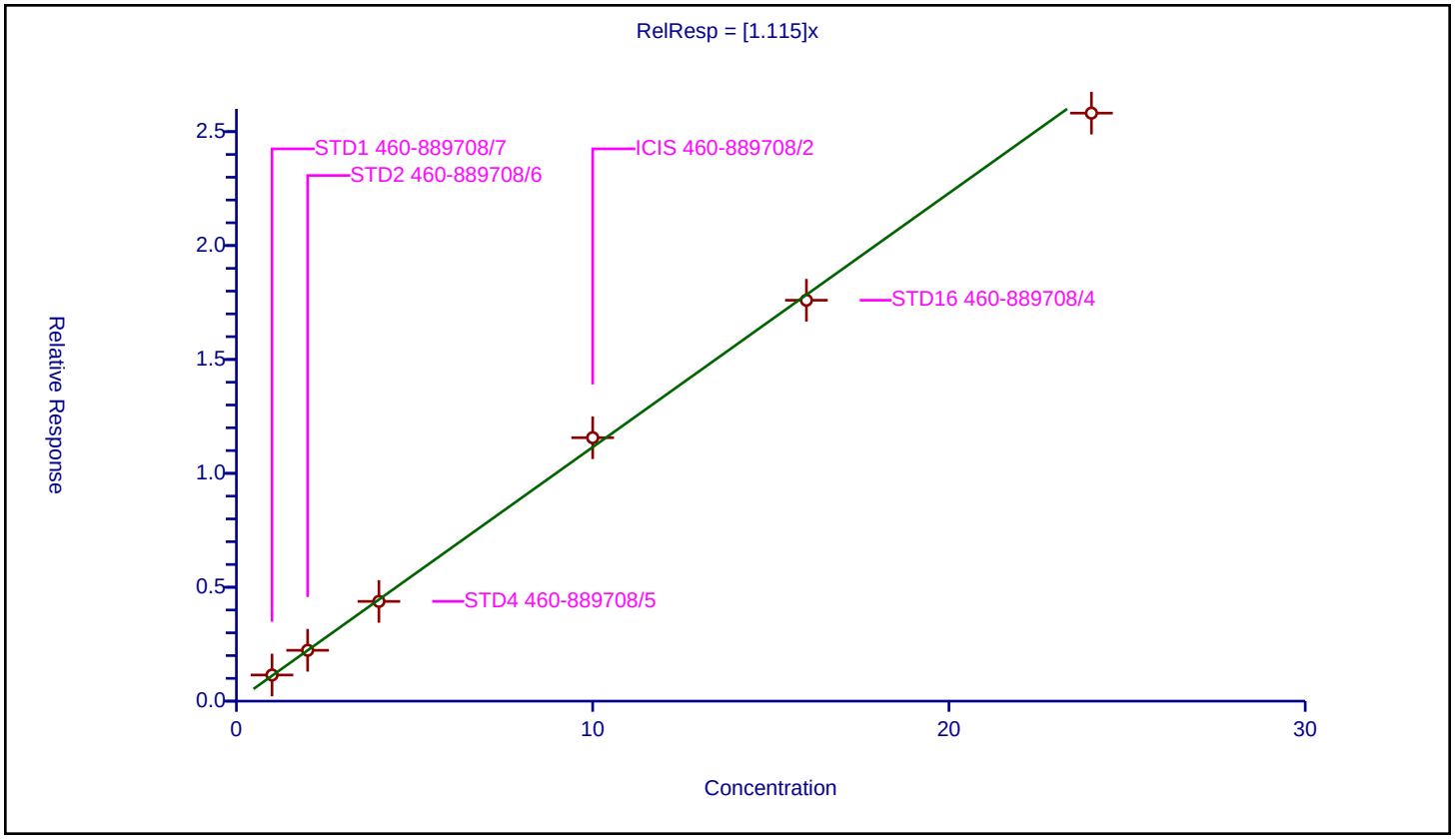
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	2.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.147149	8.0	1297268.0	1.147149	Y
2	STD2 460-889708/6	2.0	2.232151	8.0	1637710.0	1.116075	Y
3	STD4 460-889708/5	4.0	4.378536	8.0	1195289.0	1.094634	Y
4	ICIS 460-889708/2	10.0	11.566126	8.0	1139188.0	1.156613	Y
5	STD16 460-889708/4	16.0	17.60018	8.0	1082078.0	1.100011	Y
6	STD24 460-889708/3	24.0	25.813599	8.0	1020164.0	1.075567	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

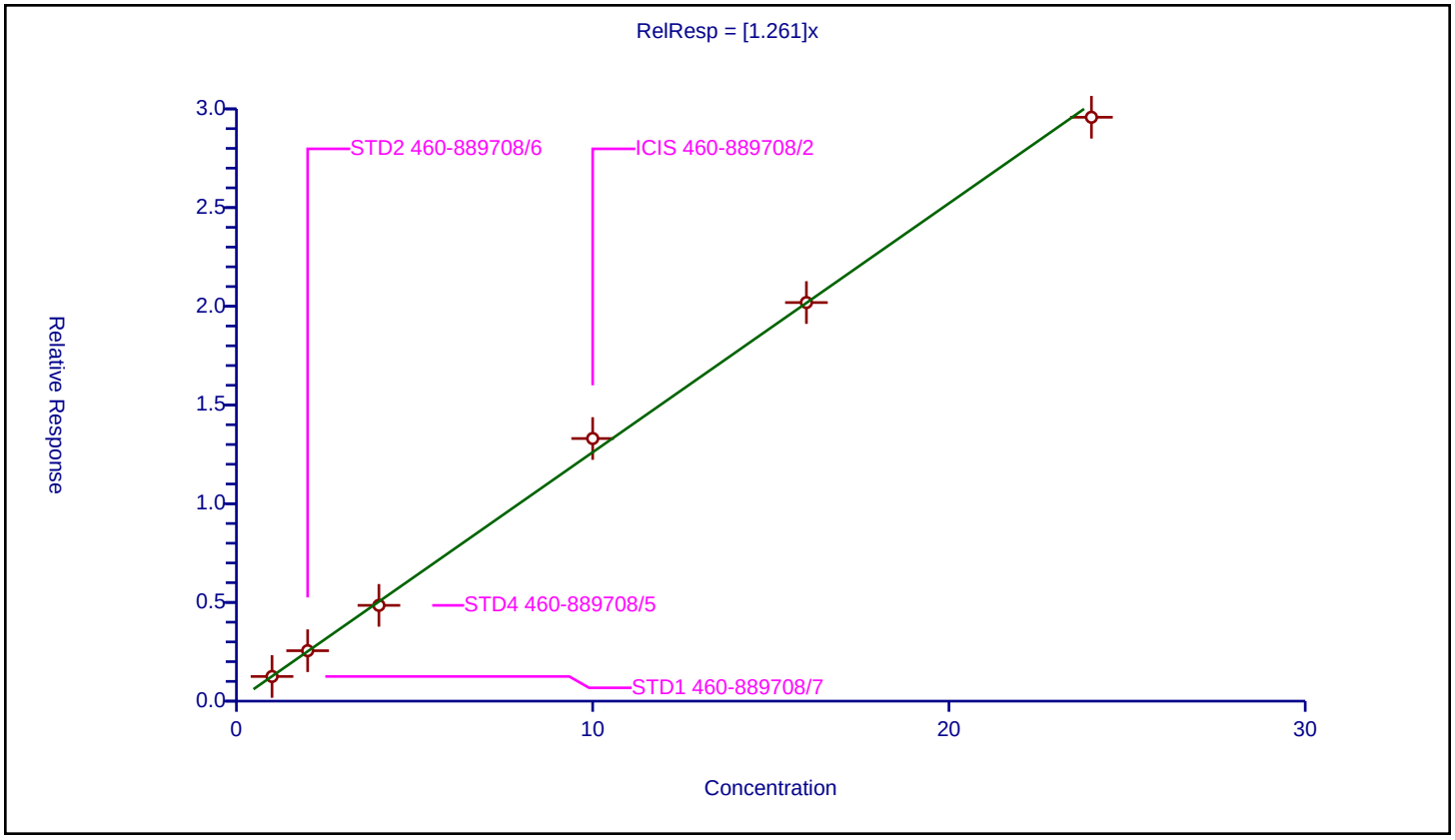
Curve Coefficients

Intercept:	0
Slope:	1.261

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	3.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.249851	8.0	1297268.0	1.249851	Y
2	STD2 460-889708/6	2.0	2.554552	8.0	1637710.0	1.277276	Y
3	STD4 460-889708/5	4.0	4.852068	8.0	1195289.0	1.213017	Y
4	ICIS 460-889708/2	10.0	13.303399	8.0	1139188.0	1.33034	Y
5	STD16 460-889708/4	16.0	20.190522	8.0	1082078.0	1.261908	Y
6	STD24 460-889708/3	24.0	29.576617	8.0	1020164.0	1.232359	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

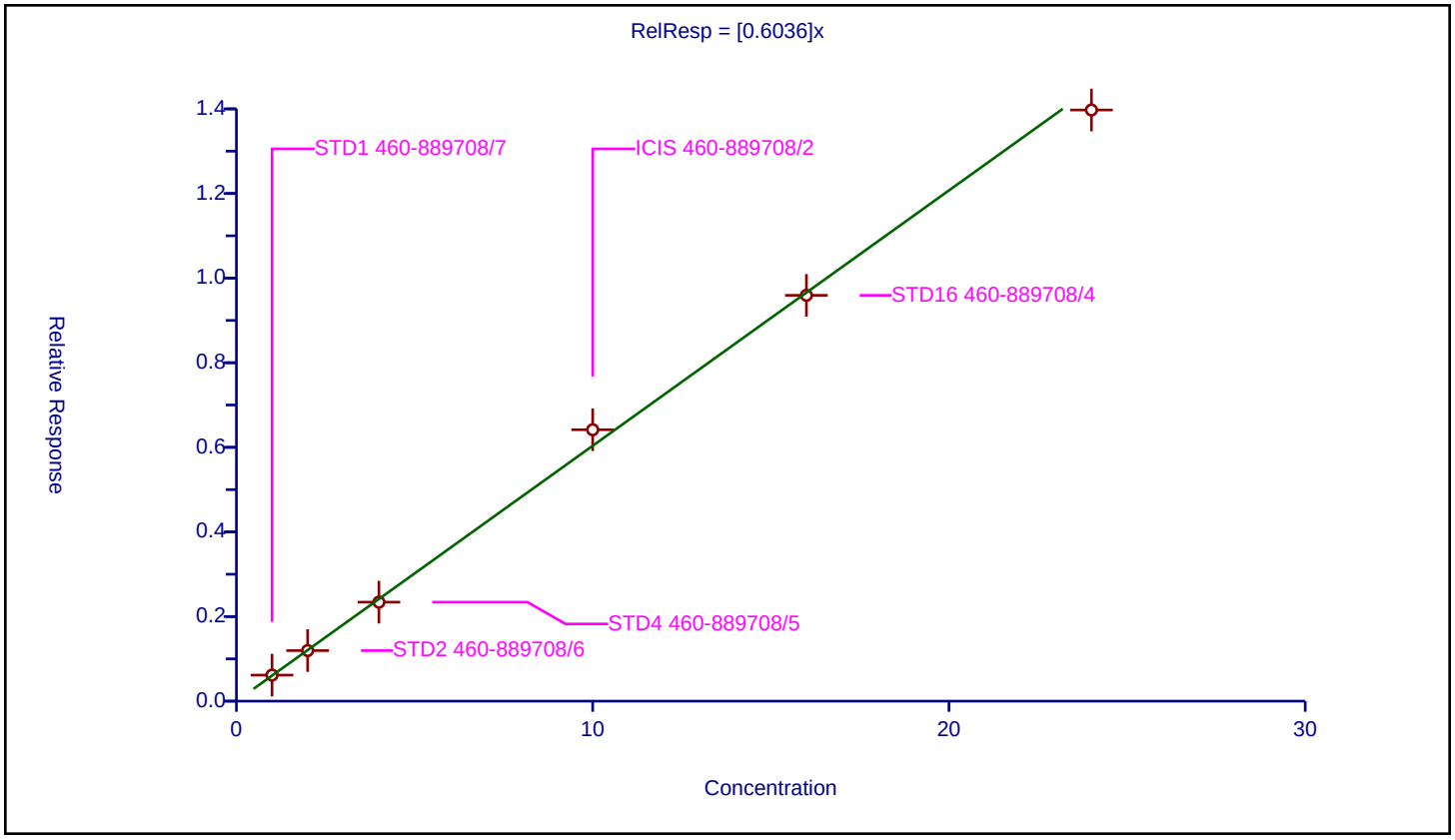
Curve Coefficients

Intercept:	0
Slope:	0.6036

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	3.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.615552	8.0	1297268.0	0.615552	Y
2	STD2 460-889708/6	2.0	1.19546	8.0	1637710.0	0.59773	Y
3	STD4 460-889708/5	4.0	2.34014	8.0	1195289.0	0.585035	Y
4	ICIS 460-889708/2	10.0	6.416142	8.0	1139188.0	0.641614	Y
5	STD16 460-889708/4	16.0	9.593009	8.0	1082078.0	0.599563	Y
6	STD24 460-889708/3	24.0	13.973455	8.0	1020164.0	0.582227	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

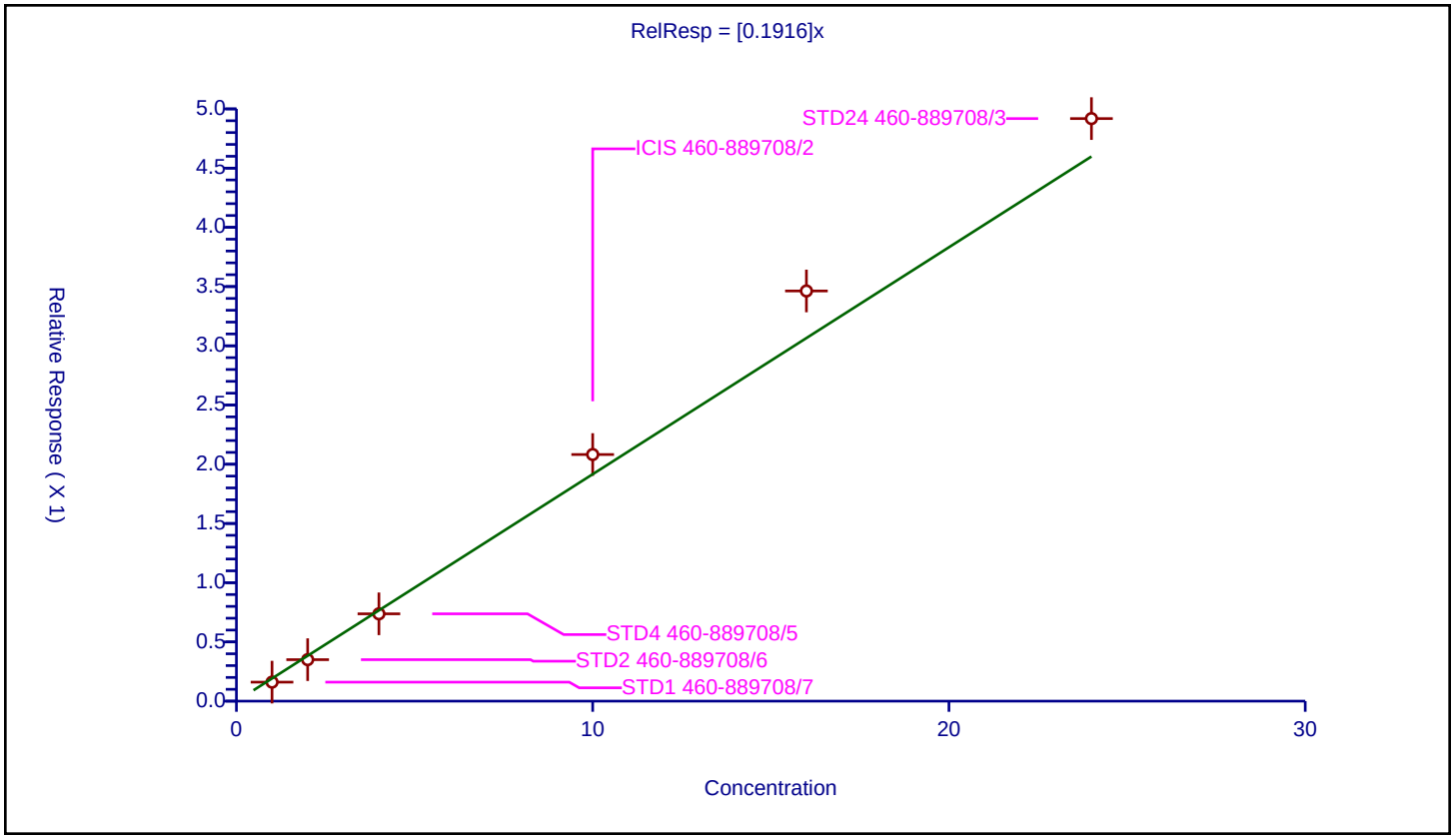
Curve Coefficients

Intercept:	0
Slope:	0.1916

Error Coefficients

Standard Error:	379000
Relative Standard Error:	11.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.16054	8.0	1297268.0	0.16054	Y
2	STD2 460-889708/6	2.0	0.350265	8.0	1637710.0	0.175132	Y
3	STD4 460-889708/5	4.0	0.73712	8.0	1195289.0	0.18428	Y
4	ICIS 460-889708/2	10.0	2.082002	8.0	1139188.0	0.2082	Y
5	STD16 460-889708/4	16.0	3.462974	8.0	1082078.0	0.216436	Y
6	STD24 460-889708/3	24.0	4.91815	8.0	1020164.0	0.204923	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

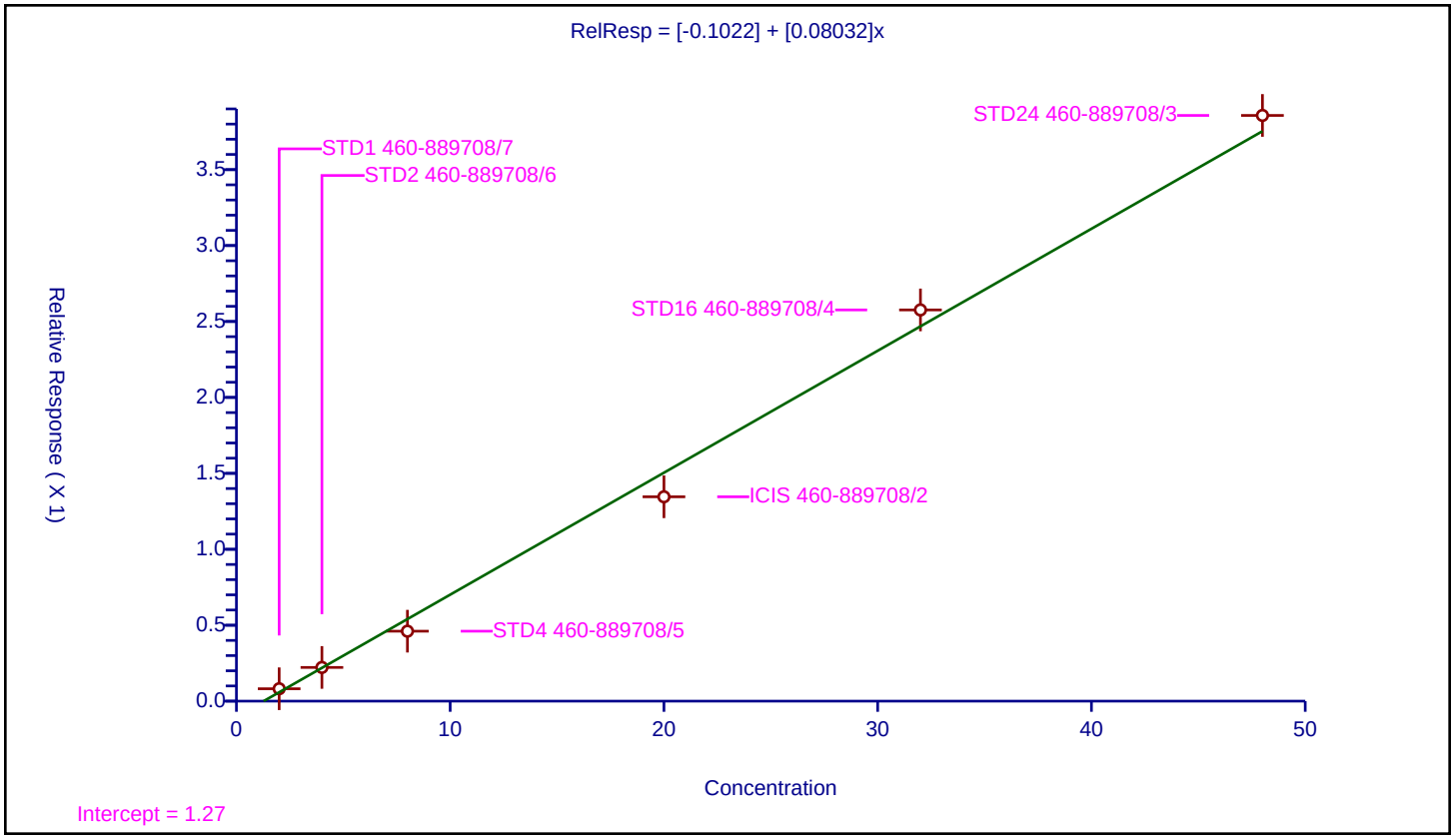
Curve Coefficients

Intercept:	-0.1022
Slope:	0.08032

Error Coefficients

Standard Error:	526000
Relative Standard Error:	11.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	2.0	0.081608	8.0	2239494.0	0.040804	Y
2	STD2 460-889708/6	4.0	0.222006	8.0	2795994.0	0.055502	Y
3	STD4 460-889708/5	8.0	0.460737	8.0	2048509.0	0.057592	Y
4	ICIS 460-889708/2	20.0	1.345592	8.0	1936944.0	0.06728	Y
5	STD16 460-889708/4	32.0	2.576136	8.0	1803967.0	0.080504	Y
6	STD24 460-889708/3	48.0	3.856915	8.0	1661720.0	0.080352	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

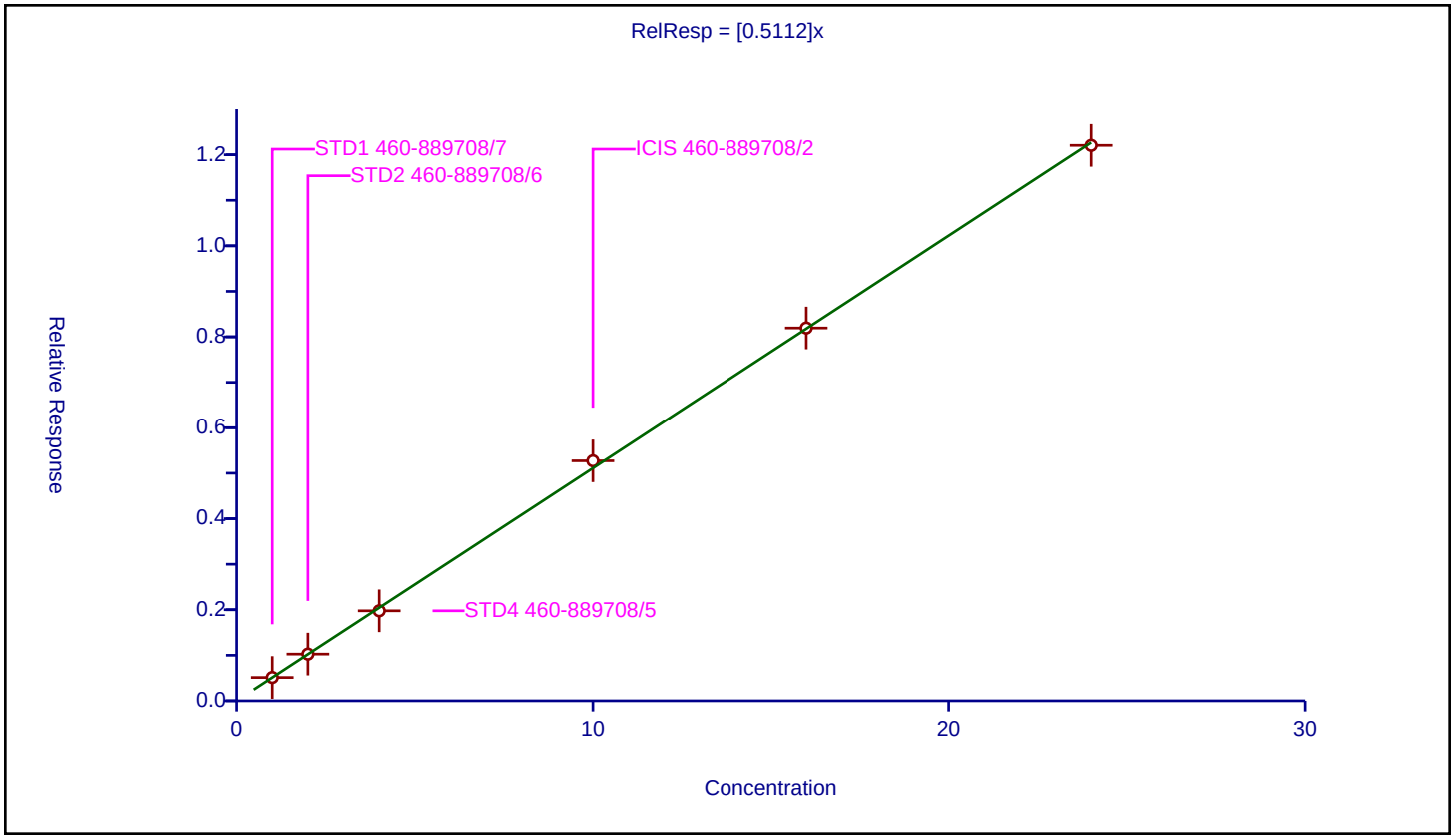
Curve Coefficients

Intercept:	0
Slope:	0.5112

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	2.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.511948	8.0	2239494.0	0.511948	Y
2	STD2 460-889708/6	2.0	1.025707	8.0	2795994.0	0.512854	Y
3	STD4 460-889708/5	4.0	1.976657	8.0	2048509.0	0.494164	Y
4	ICIS 460-889708/2	10.0	5.272937	8.0	1936944.0	0.527294	Y
5	STD16 460-889708/4	16.0	8.194247	8.0	1803967.0	0.51214	Y
6	STD24 460-889708/3	24.0	12.206336	8.0	1661720.0	0.508597	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

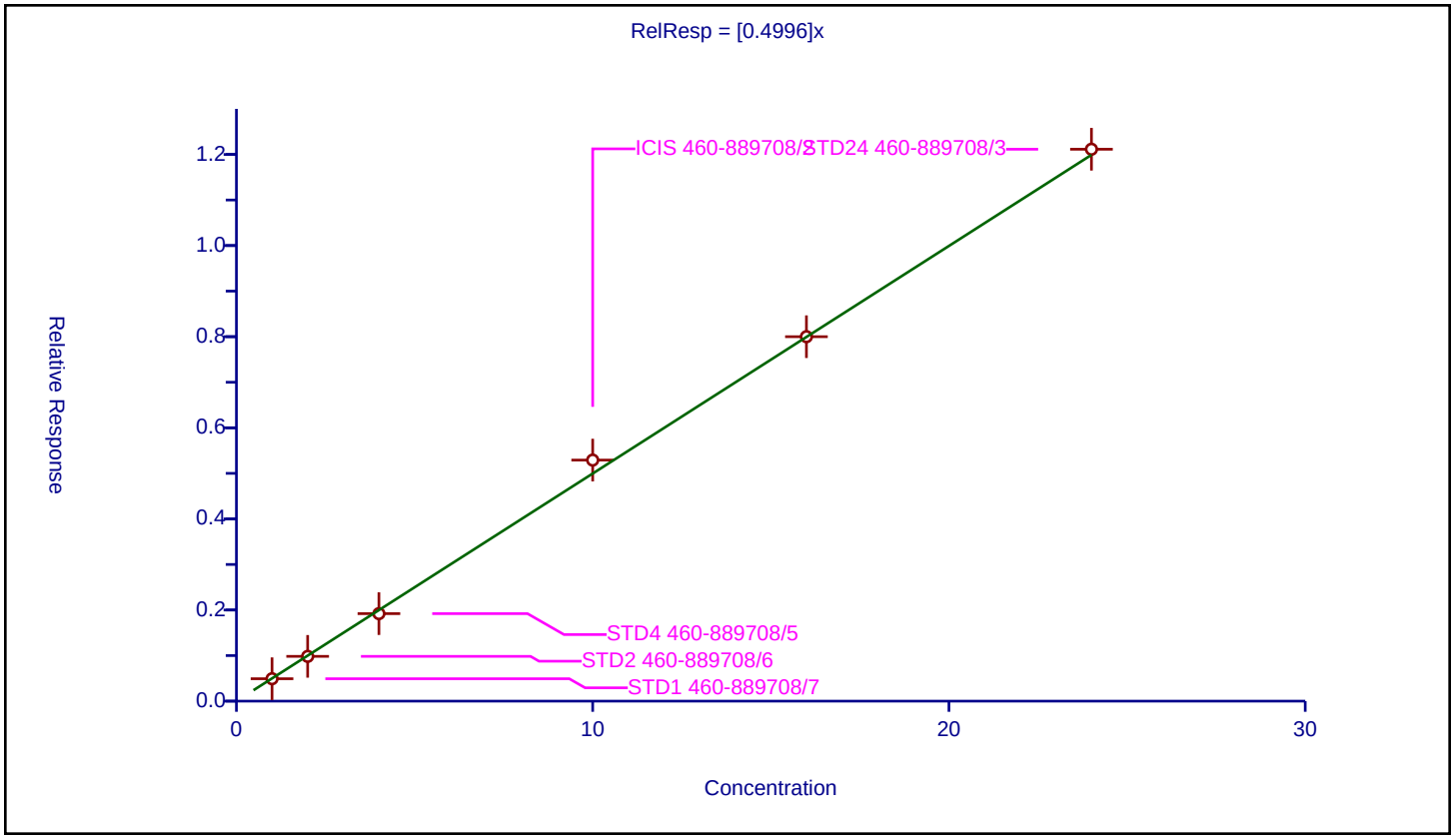
Curve Coefficients

Intercept:	0
Slope:	0.4996

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	3.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.492133	8.0	2239494.0	0.492133	Y
2	STD2 460-889708/6	2.0	0.982749	8.0	2795994.0	0.491374	Y
3	STD4 460-889708/5	4.0	1.920831	8.0	2048509.0	0.480208	Y
4	ICIS 460-889708/2	10.0	5.290937	8.0	1936944.0	0.529094	Y
5	STD16 460-889708/4	16.0	7.999911	8.0	1803967.0	0.499994	Y
6	STD24 460-889708/3	24.0	12.114103	8.0	1661720.0	0.504754	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

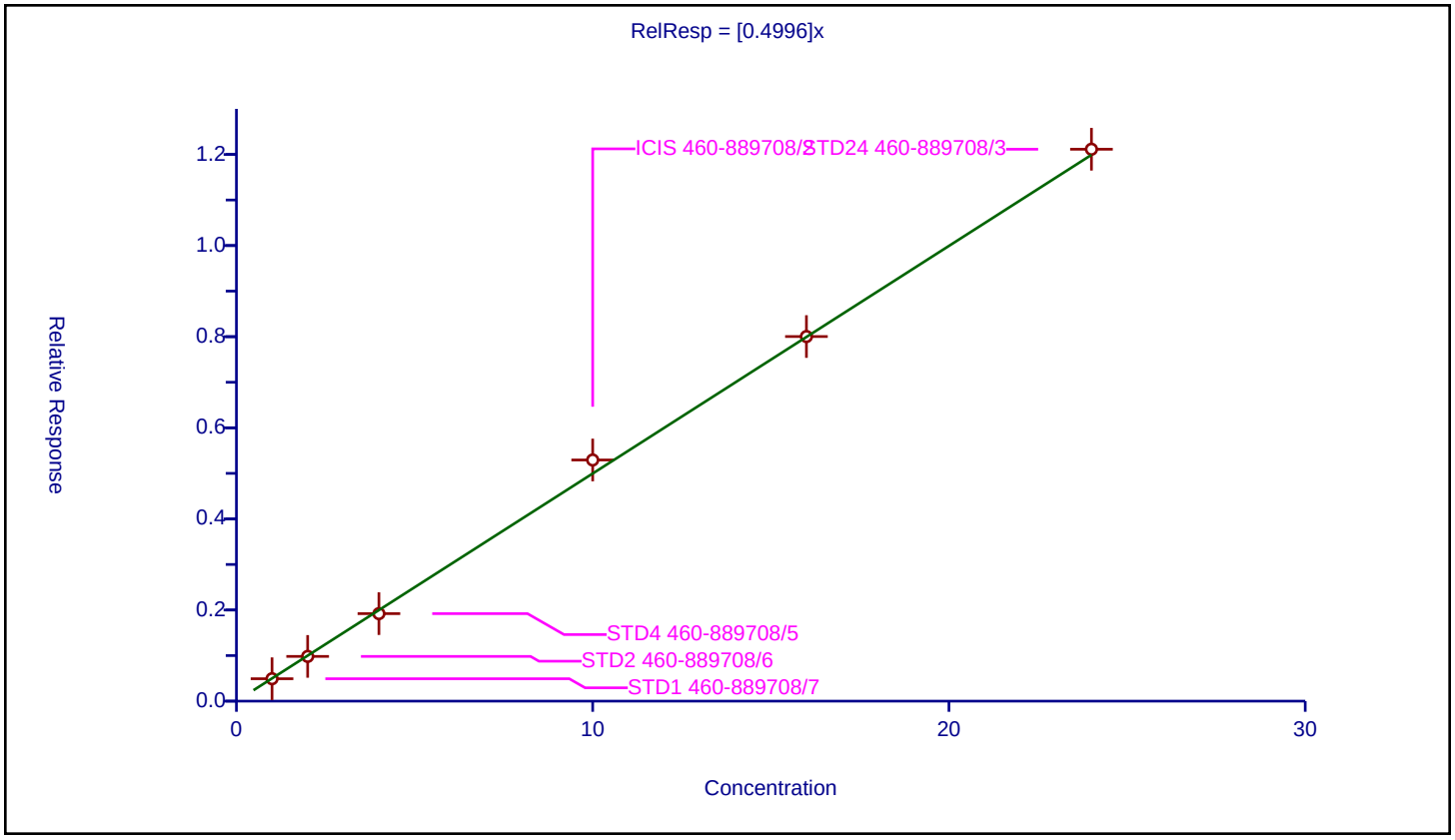
Curve Coefficients

Intercept:	0
Slope:	0.4996

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	3.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.492133	8.0	2239494.0	0.492133	Y
2	STD2 460-889708/6	2.0	0.982008	8.0	2795994.0	0.491004	Y
3	STD4 460-889708/5	4.0	1.920999	8.0	2048509.0	0.48025	Y
4	ICIS 460-889708/2	10.0	5.293208	8.0	1936944.0	0.529321	Y
5	STD16 460-889708/4	16.0	8.003255	8.0	1803967.0	0.500203	Y
6	STD24 460-889708/3	24.0	12.114103	8.0	1661720.0	0.504754	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

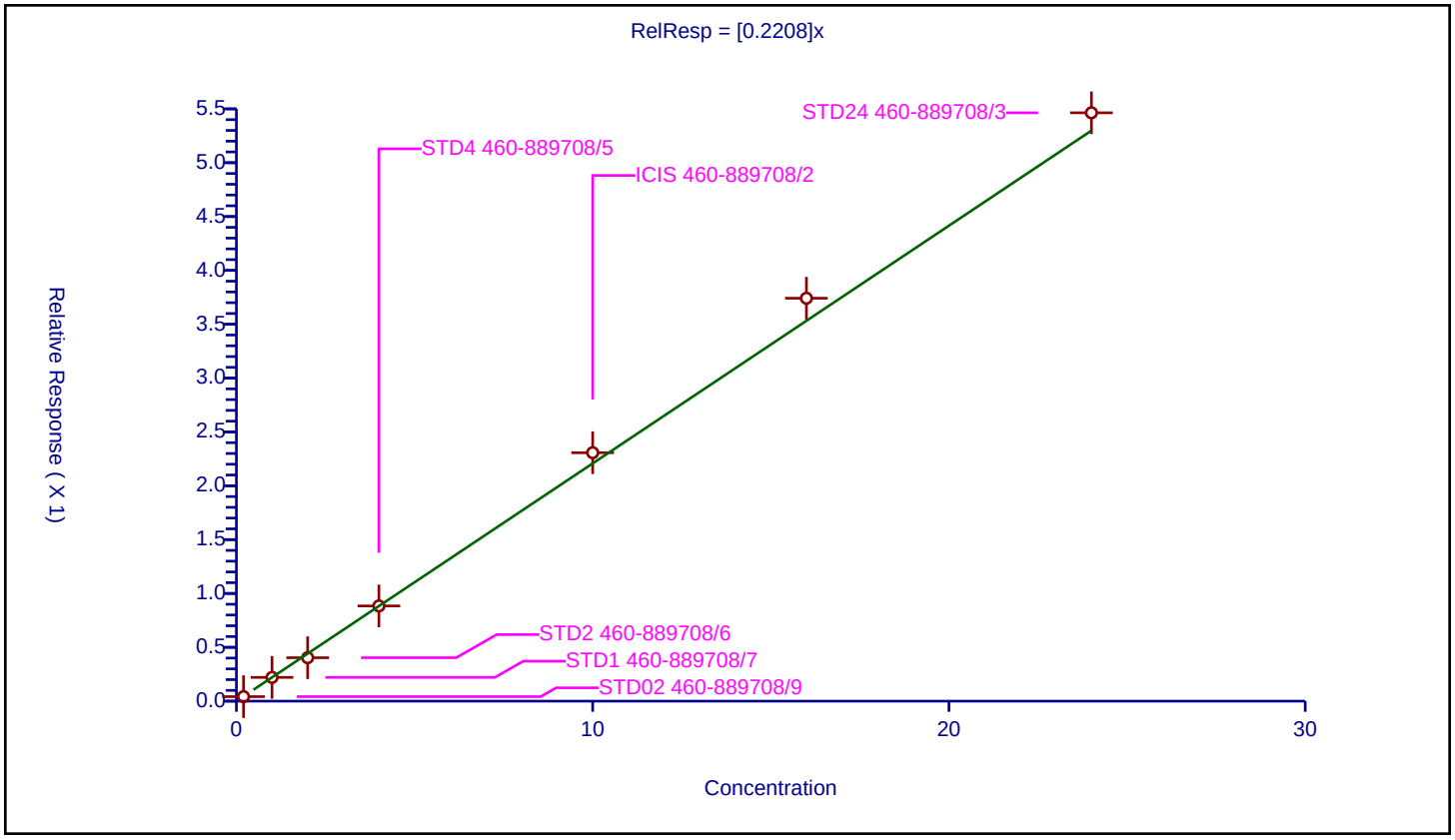
Curve Coefficients

Intercept:	0
Slope:	0.2208

Error Coefficients

Standard Error:	382000
Relative Standard Error:	5.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.041957	8.0	1196070.0	0.209787	Y
2	STD1 460-889708/7	1.0	0.220568	8.0	1297268.0	0.220568	Y
3	STD2 460-889708/6	2.0	0.403402	8.0	1637710.0	0.201701	Y
4	STD4 460-889708/5	4.0	0.884211	8.0	1195289.0	0.221053	Y
5	ICIS 460-889708/2	10.0	2.30711	8.0	1139188.0	0.230711	Y
6	STD16 460-889708/4	16.0	3.741586	8.0	1082078.0	0.233849	Y
7	STD24 460-889708/3	24.0	5.463522	8.0	1020164.0	0.227647	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

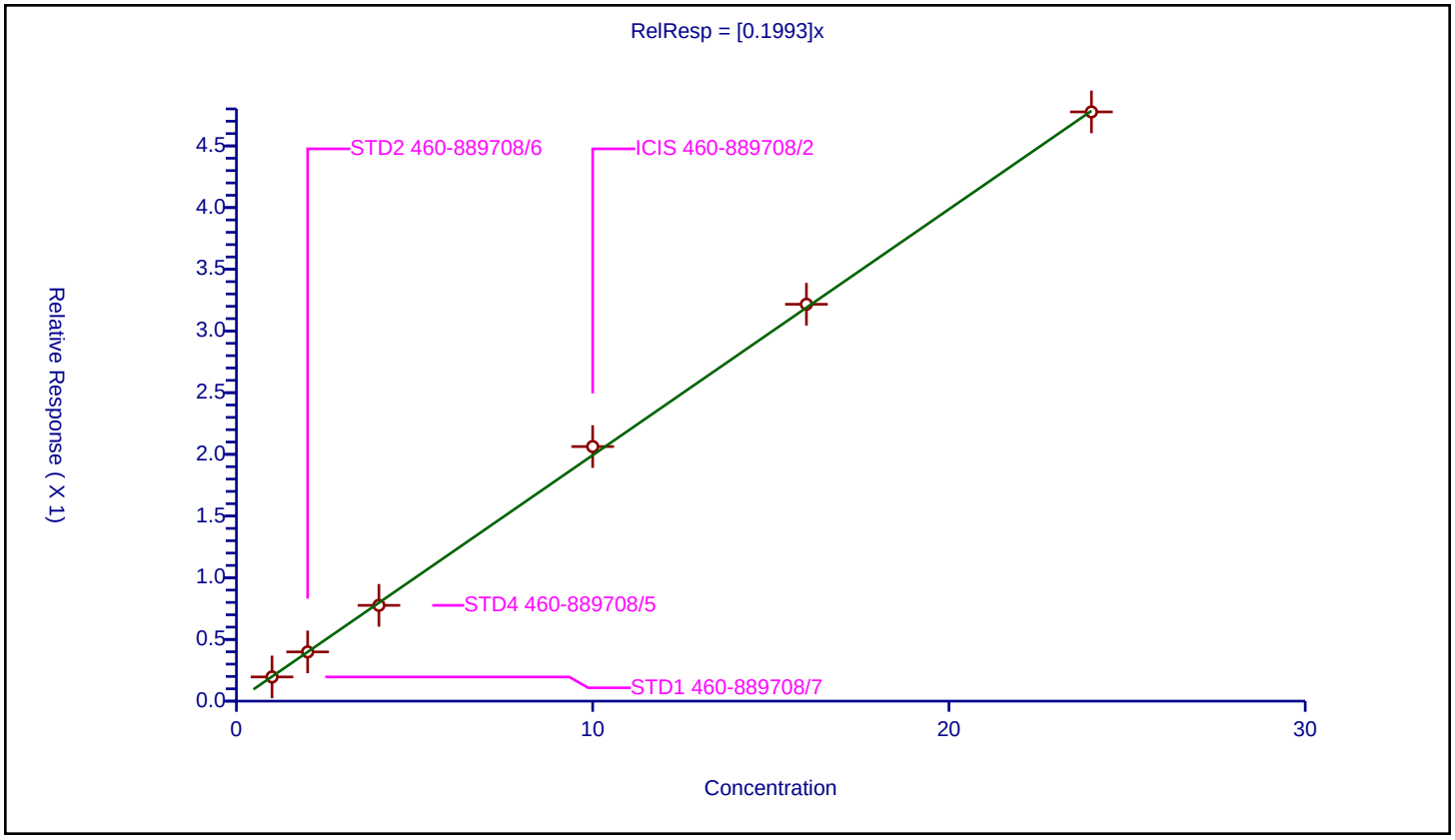
Curve Coefficients

Intercept:	0
Slope:	0.1993

Error Coefficients

Standard Error:	604000
Relative Standard Error:	2.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.196044	8.0	2239494.0	0.196044	Y
2	STD2 460-889708/6	2.0	0.398945	8.0	2795994.0	0.199473	Y
3	STD4 460-889708/5	4.0	0.776385	8.0	2048509.0	0.194096	Y
4	ICIS 460-889708/2	10.0	2.063358	8.0	1936944.0	0.206336	Y
5	STD16 460-889708/4	16.0	3.216746	8.0	1803967.0	0.201047	Y
6	STD24 460-889708/3	24.0	4.77564	8.0	1661720.0	0.198985	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

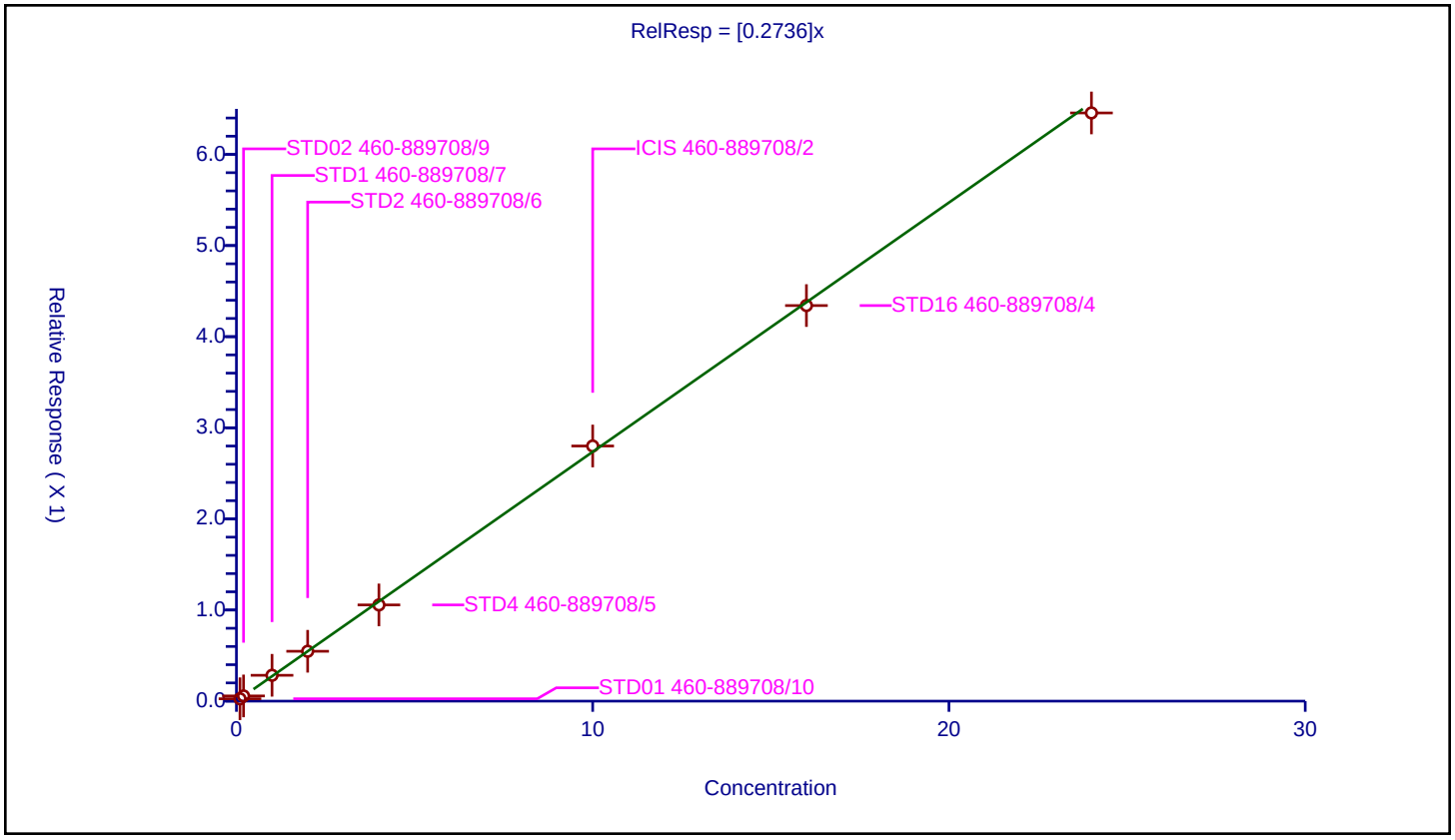
Curve Coefficients

Intercept:	0
Slope:	0.2736

Error Coefficients

Standard Error:	690000
Relative Standard Error:	3.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.026182	8.0	1932310.0	0.261821	Y
2	STD02 460-889708/9	0.2	0.057062	8.0	2069882.0	0.285311	Y
3	STD1 460-889708/7	1.0	0.283603	8.0	2239494.0	0.283603	Y
4	STD2 460-889708/6	2.0	0.547229	8.0	2795994.0	0.273614	Y
5	STD4 460-889708/5	4.0	1.05607	8.0	2048509.0	0.264017	Y
6	ICIS 460-889708/2	10.0	2.800341	8.0	1936944.0	0.280034	Y
7	STD16 460-889708/4	16.0	4.341623	8.0	1803967.0	0.271351	Y
8	STD24 460-889708/3	24.0	6.455653	8.0	1661720.0	0.268986	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

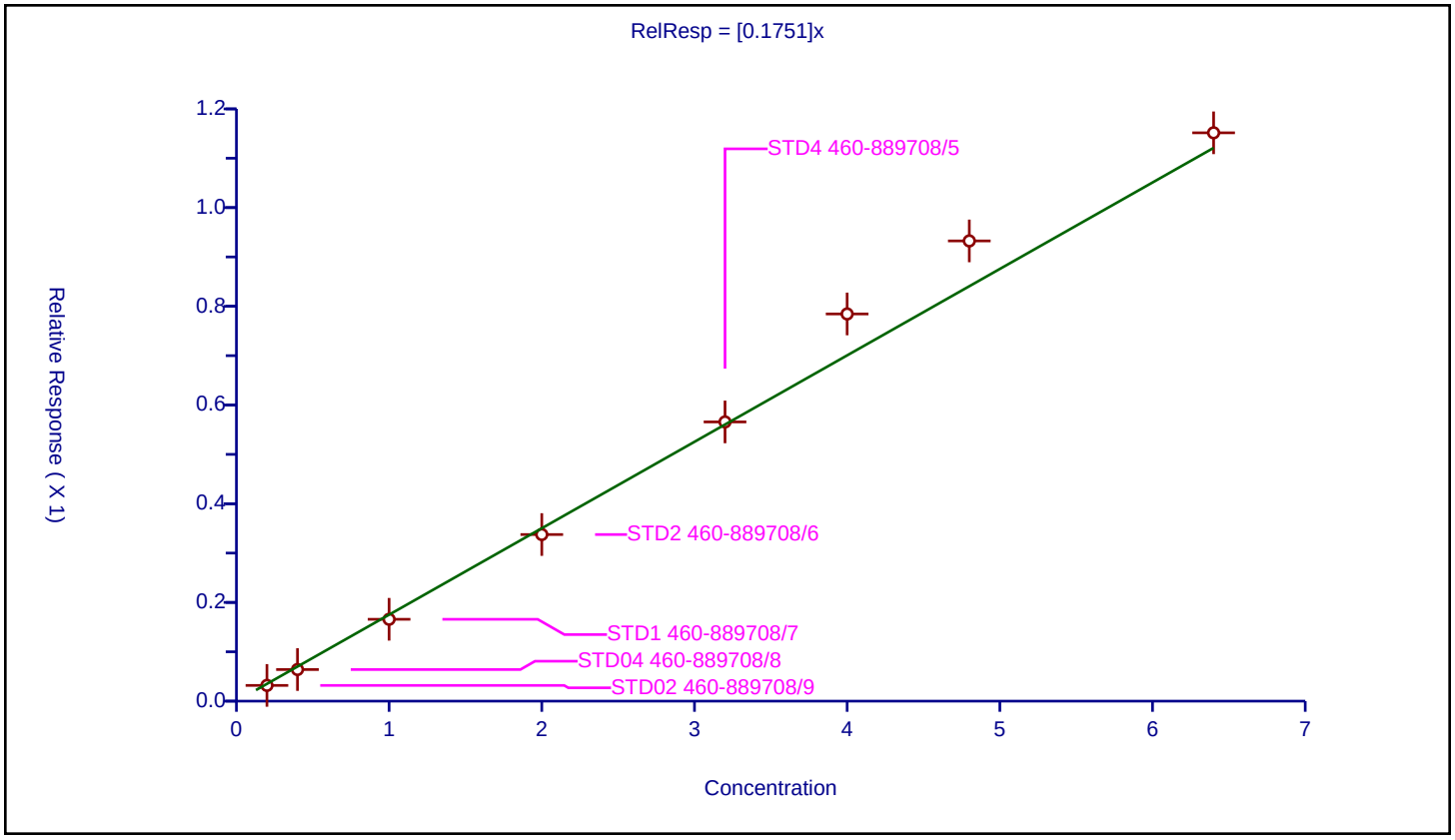
Curve Coefficients

Intercept:	0
Slope:	0.1751

Error Coefficients

Standard Error:	158000
Relative Standard Error:	8.2
Correlation Coefficient:	0.961
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.031855	8.0	2069882.0	0.159275	Y
2	STD04 460-889708/8	0.4	0.06403	8.0	2076542.0	0.160074	Y
3	STD1 460-889708/7	1.0	0.165877	8.0	2239494.0	0.165877	Y
4	STD2 460-889708/6	2.0	0.3376	8.0	2795994.0	0.1688	Y
5	STD4 460-889708/5	3.2	0.565727	8.0	2048509.0	0.17679	Y
6	ICIS 460-889708/2	4.0	0.784539	8.0	1936944.0	0.196135	Y
7	STD16 460-889708/4	4.8	0.932469	8.0	1803967.0	0.194264	Y
8	STD24 460-889708/3	6.4	1.151544	8.0	1661720.0	0.179929	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

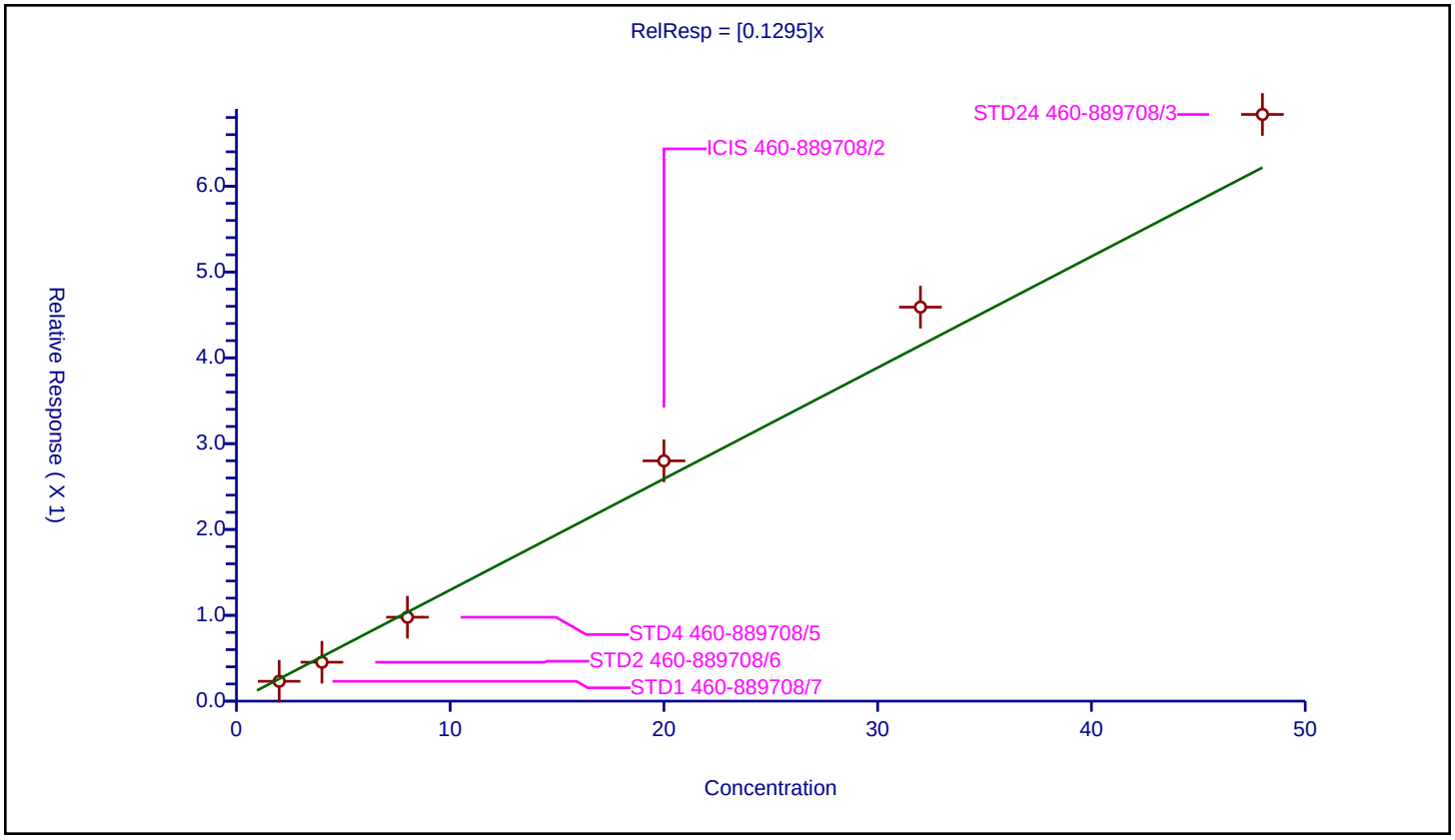
Curve Coefficients

Intercept:	0
Slope:	0.1295

Error Coefficients

Standard Error:	853000
Relative Standard Error:	10.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	2.0	0.231388	8.0	2239494.0	0.115694	Y
2	STD2 460-889708/6	4.0	0.453392	8.0	2795994.0	0.113348	Y
3	STD4 460-889708/5	8.0	0.9778	8.0	2048509.0	0.122225	Y
4	ICIS 460-889708/2	20.0	2.799602	8.0	1936944.0	0.13998	Y
5	STD16 460-889708/4	32.0	4.590346	8.0	1803967.0	0.143448	Y
6	STD24 460-889708/3	48.0	6.835361	8.0	1661720.0	0.142403	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

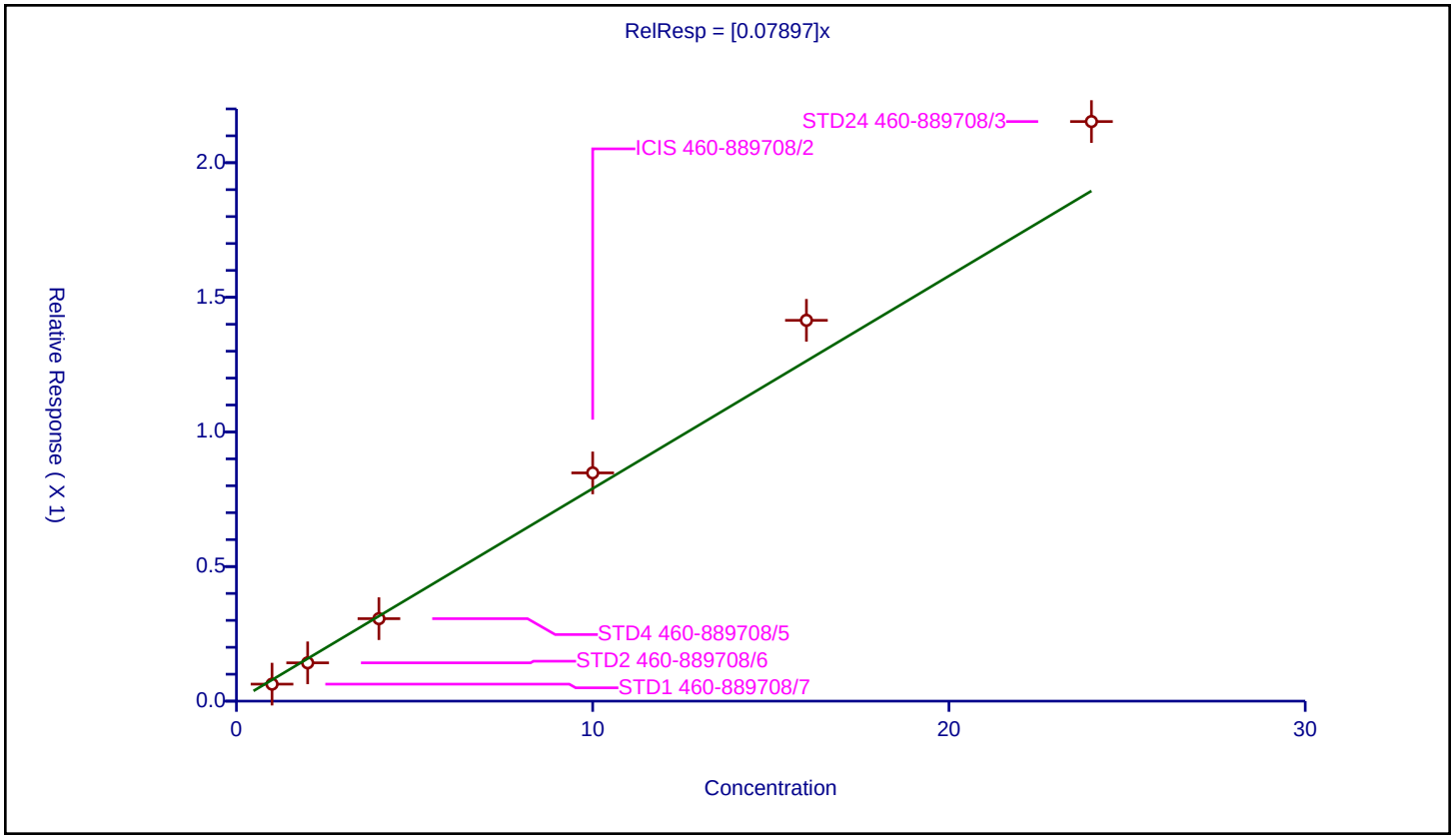
Curve Coefficients

Intercept:	0
Slope:	0.07897

Error Coefficients

Standard Error:	266000
Relative Standard Error:	13.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.063175	8.0	2239494.0	0.063175	Y
2	STD2 460-889708/6	2.0	0.142286	8.0	2795994.0	0.071143	Y
3	STD4 460-889708/5	4.0	0.30633	8.0	2048509.0	0.076583	Y
4	ICIS 460-889708/2	10.0	0.847851	8.0	1936944.0	0.084785	Y
5	STD16 460-889708/4	16.0	1.414664	8.0	1803967.0	0.088417	Y
6	STD24 460-889708/3	24.0	2.152979	8.0	1661720.0	0.089707	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

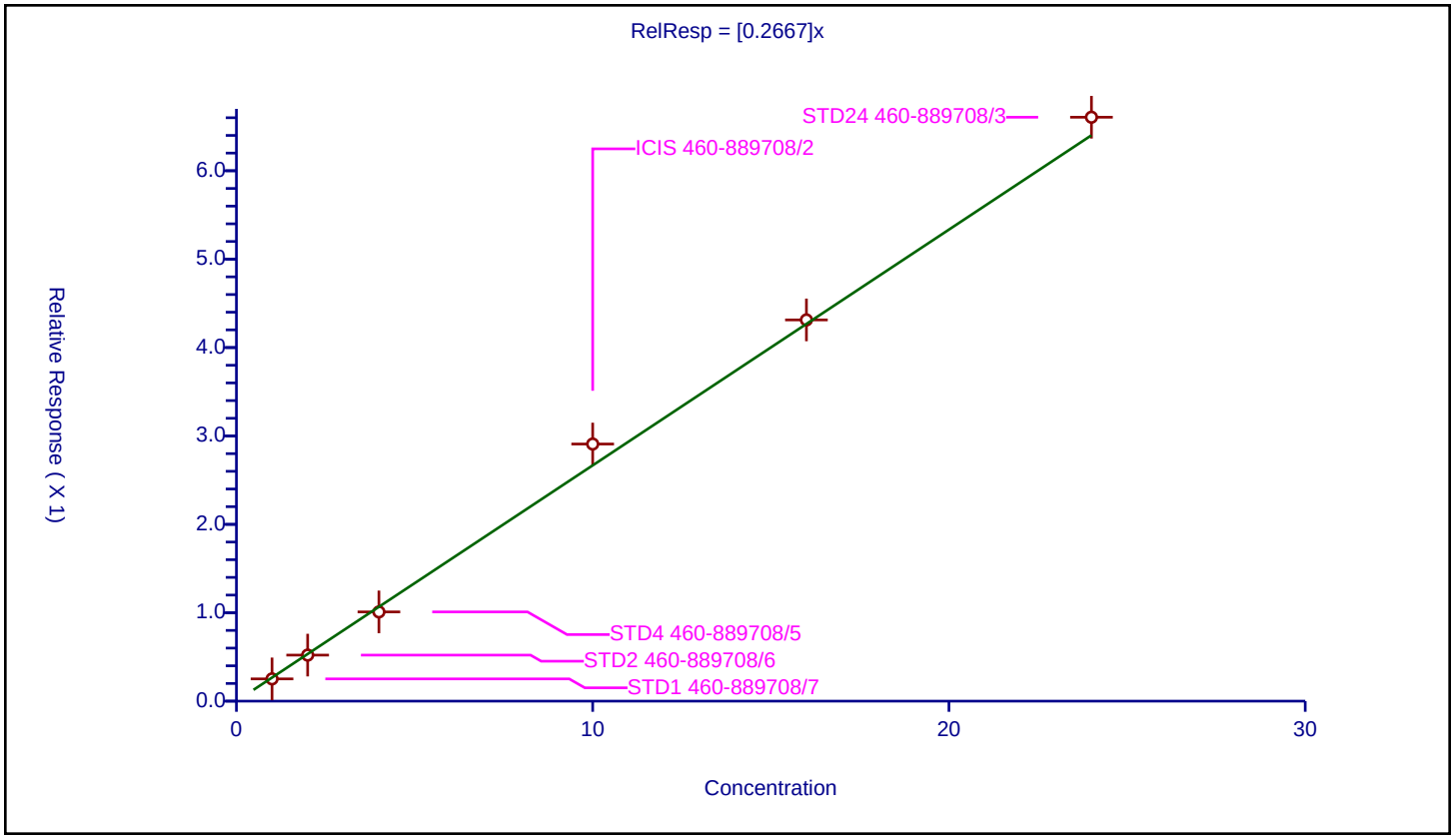
Curve Coefficients

Intercept:	0
Slope:	0.2667

Error Coefficients

Standard Error:	828000
Relative Standard Error:	5.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.251843	8.0	2239494.0	0.251843	Y
2	STD2 460-889708/6	2.0	0.520905	8.0	2795994.0	0.260453	Y
3	STD4 460-889708/5	4.0	1.009468	8.0	2048509.0	0.252367	Y
4	ICIS 460-889708/2	10.0	2.908677	8.0	1936944.0	0.290868	Y
5	STD16 460-889708/4	16.0	4.312753	8.0	1803967.0	0.269547	Y
6	STD24 460-889708/3	24.0	6.605729	8.0	1661720.0	0.275239	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

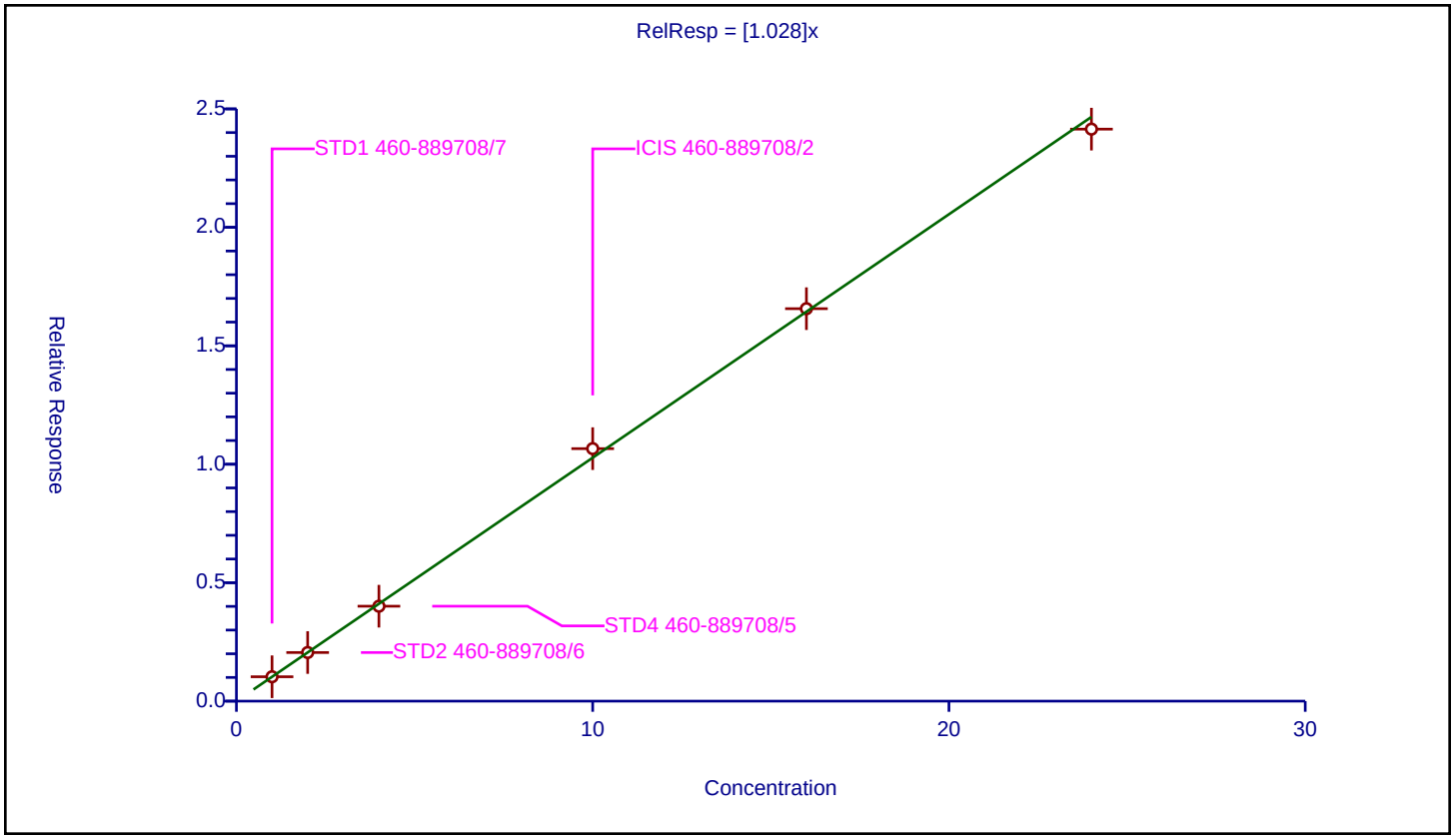
Curve Coefficients

Intercept:	0
Slope:	1.028

Error Coefficients

Standard Error:	3080000
Relative Standard Error:	2.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.02969	8.0	2239494.0	1.02969	Y
2	STD2 460-889708/6	2.0	2.052485	8.0	2795994.0	1.026243	Y
3	STD4 460-889708/5	4.0	4.007524	8.0	2048509.0	1.001881	Y
4	ICIS 460-889708/2	10.0	10.658951	8.0	1936944.0	1.065895	Y
5	STD16 460-889708/4	16.0	16.566813	8.0	1803967.0	1.035426	Y
6	STD24 460-889708/3	24.0	24.145348	8.0	1661720.0	1.006056	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

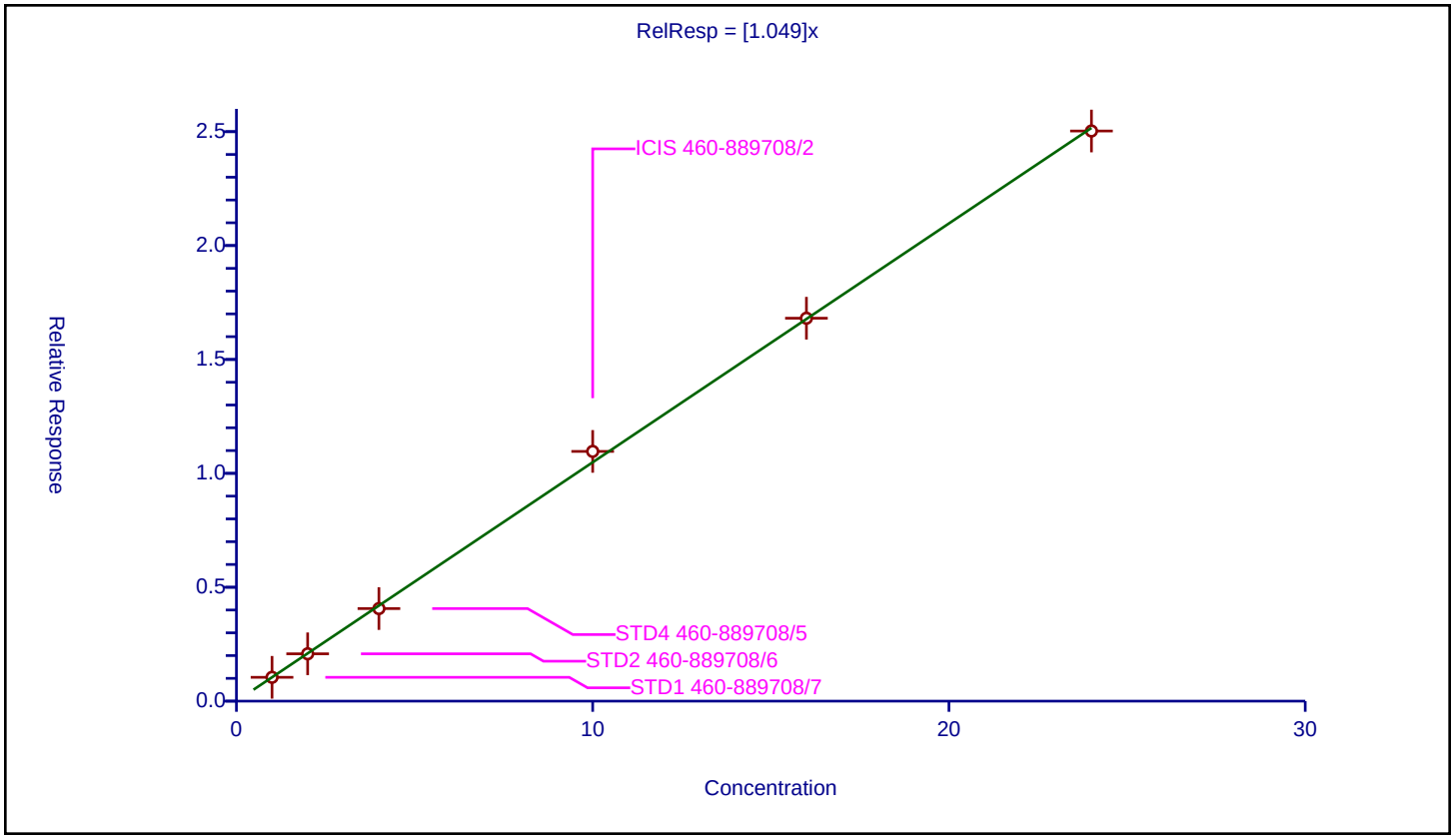
Curve Coefficients

Intercept:	0
Slope:	1.049

Error Coefficients

Standard Error:	3170000
Relative Standard Error:	2.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.046172	8.0	2239494.0	1.046172	Y
2	STD2 460-889708/6	2.0	2.078273	8.0	2795994.0	1.039137	Y
3	STD4 460-889708/5	4.0	4.063389	8.0	2048509.0	1.015847	Y
4	ICIS 460-889708/2	10.0	10.963708	8.0	1936944.0	1.096371	Y
5	STD16 460-889708/4	16.0	16.810795	8.0	1803967.0	1.050675	Y
6	STD24 460-889708/3	24.0	25.02929	8.0	1661720.0	1.042887	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

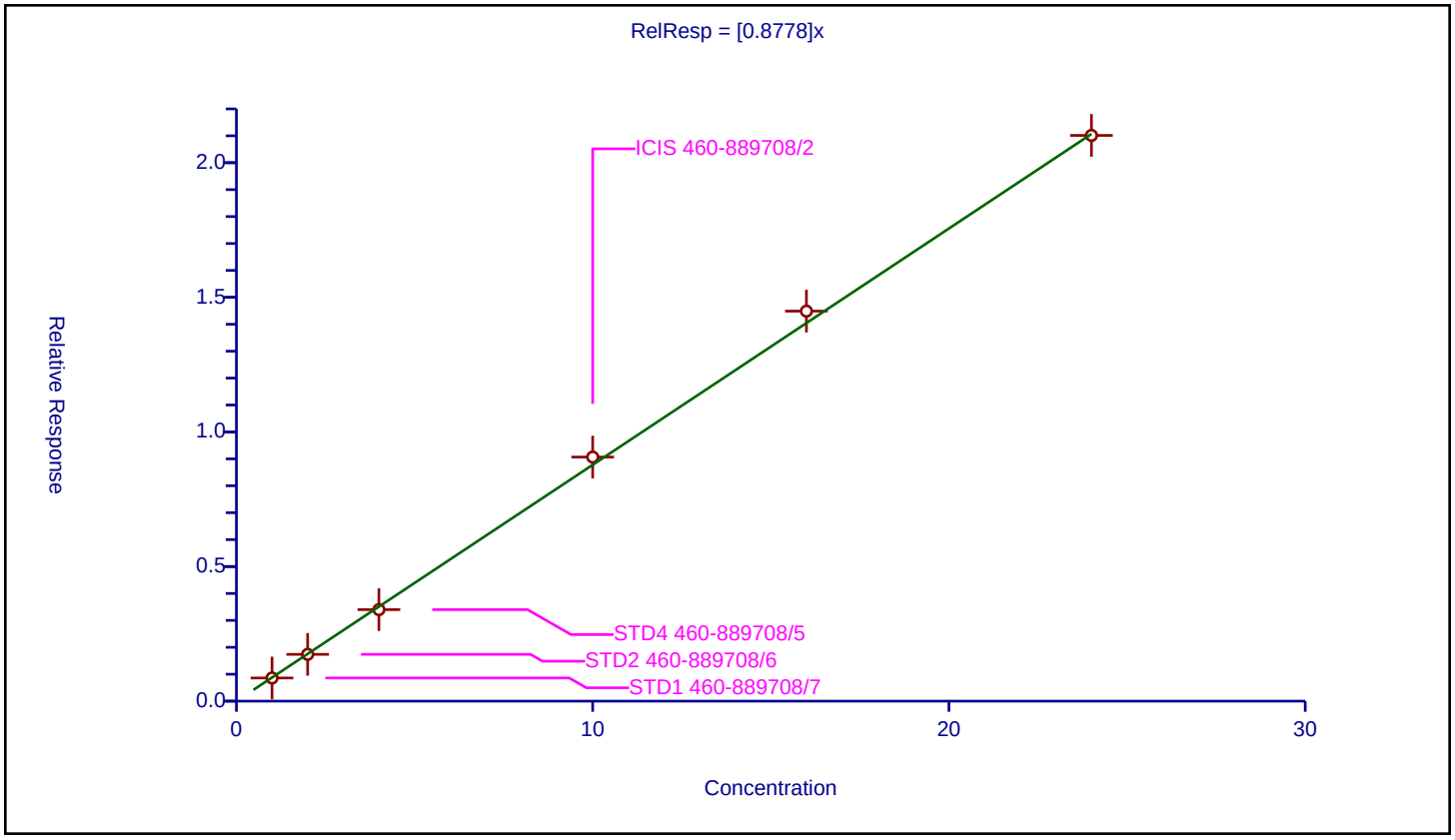
Curve Coefficients

Intercept:	0
Slope:	0.8778

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	2.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.860362	8.0	2239494.0	0.860362	Y
2	STD2 460-889708/6	2.0	1.738261	8.0	2795994.0	0.869131	Y
3	STD4 460-889708/5	4.0	3.399073	8.0	2048509.0	0.849768	Y
4	ICIS 460-889708/2	10.0	9.06643	8.0	1936944.0	0.906643	Y
5	STD16 460-889708/4	16.0	14.487391	8.0	1803967.0	0.905462	Y
6	STD24 460-889708/3	24.0	21.014679	8.0	1661720.0	0.875612	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

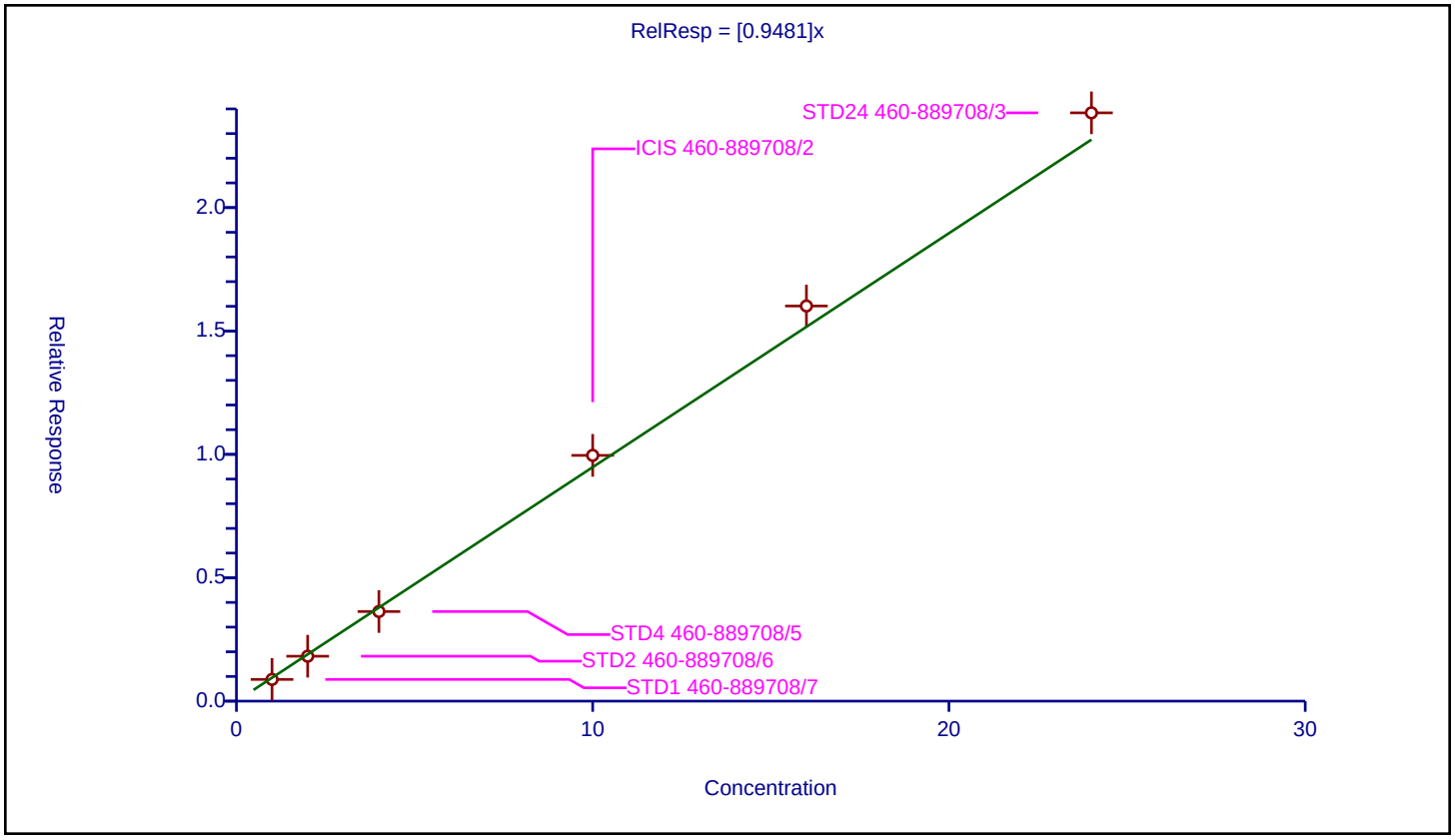
Curve Coefficients

Intercept:	0
Slope:	0.9481

Error Coefficients

Standard Error:	2990000
Relative Standard Error:	5.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.880277	8.0	2239494.0	0.880277	Y
2	STD2 460-889708/6	2.0	1.820279	8.0	2795994.0	0.910139	Y
3	STD4 460-889708/5	4.0	3.631055	8.0	2048509.0	0.907764	Y
4	ICIS 460-889708/2	10.0	9.95952	8.0	1936944.0	0.995952	Y
5	STD16 460-889708/4	16.0	16.013184	8.0	1803967.0	1.000824	Y
6	STD24 460-889708/3	24.0	23.840556	8.0	1661720.0	0.993356	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

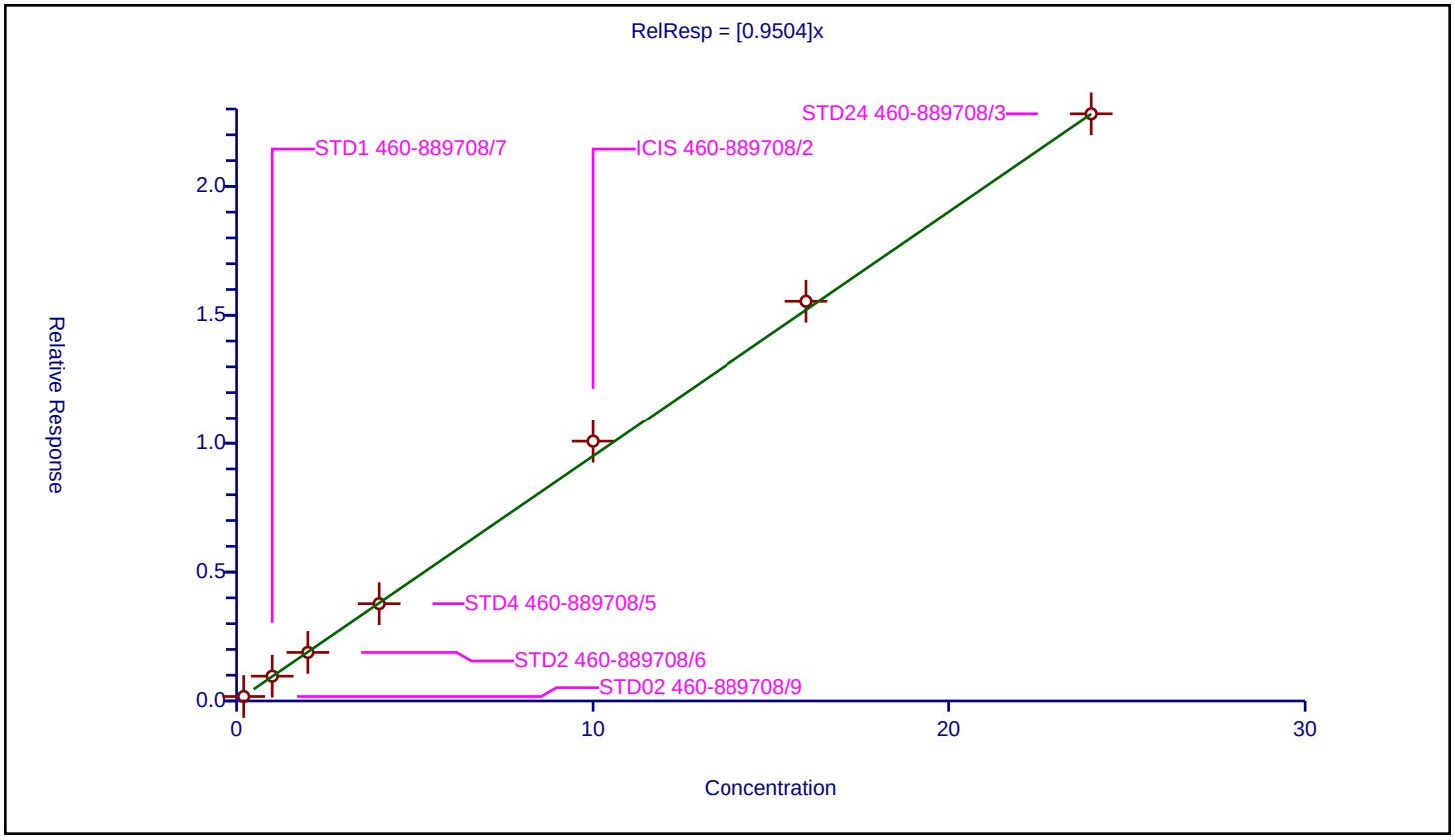
Curve Coefficients

Intercept:	0
Slope:	0.9504

Error Coefficients

Standard Error:	2650000
Relative Standard Error:	4.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.174754	8.0	2069882.0	0.87377	Y
2	STD1 460-889708/7	1.0	0.963503	8.0	2239494.0	0.963503	Y
3	STD2 460-889708/6	2.0	1.883615	8.0	2795994.0	0.941807	Y
4	STD4 460-889708/5	4.0	3.774359	8.0	2048509.0	0.94359	Y
5	ICIS 460-889708/2	10.0	10.079936	8.0	1936944.0	1.007994	Y
6	STD16 460-889708/4	16.0	15.543069	8.0	1803967.0	0.971442	Y
7	STD24 460-889708/3	24.0	22.814467	8.0	1661720.0	0.950603	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

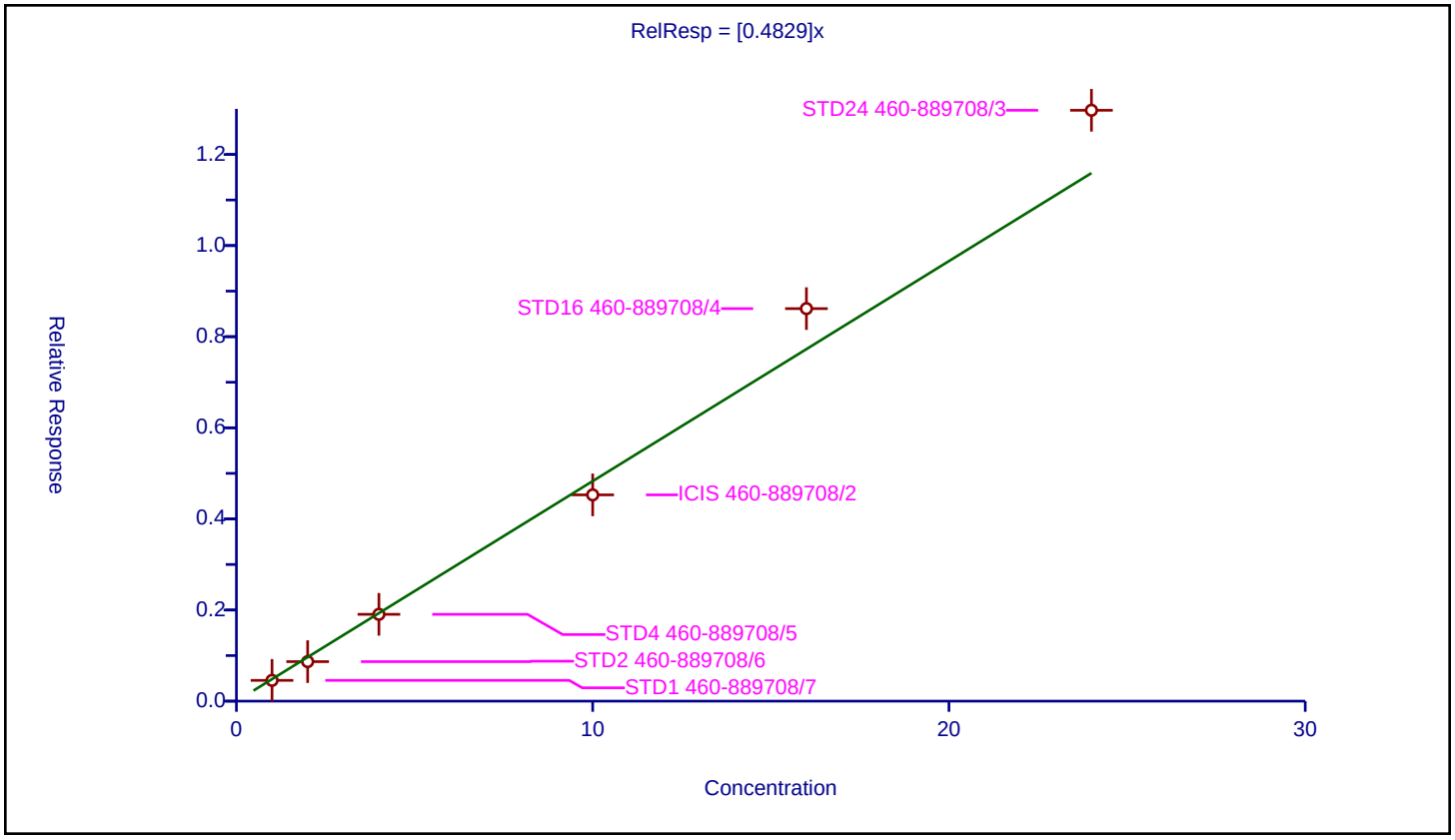
Curve Coefficients

Intercept:	0
Slope:	0.4829

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	9.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.455932	8.0	2239494.0	0.455932	Y
2	STD2 460-889708/6	2.0	0.867453	8.0	2795994.0	0.433726	Y
3	STD4 460-889708/5	4.0	1.905413	8.0	2048509.0	0.476353	Y
4	ICIS 460-889708/2	10.0	4.527524	8.0	1936944.0	0.452752	Y
5	STD16 460-889708/4	16.0	8.615989	8.0	1803967.0	0.538499	Y
6	STD24 460-889708/3	24.0	12.969371	8.0	1661720.0	0.54039	Y



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Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

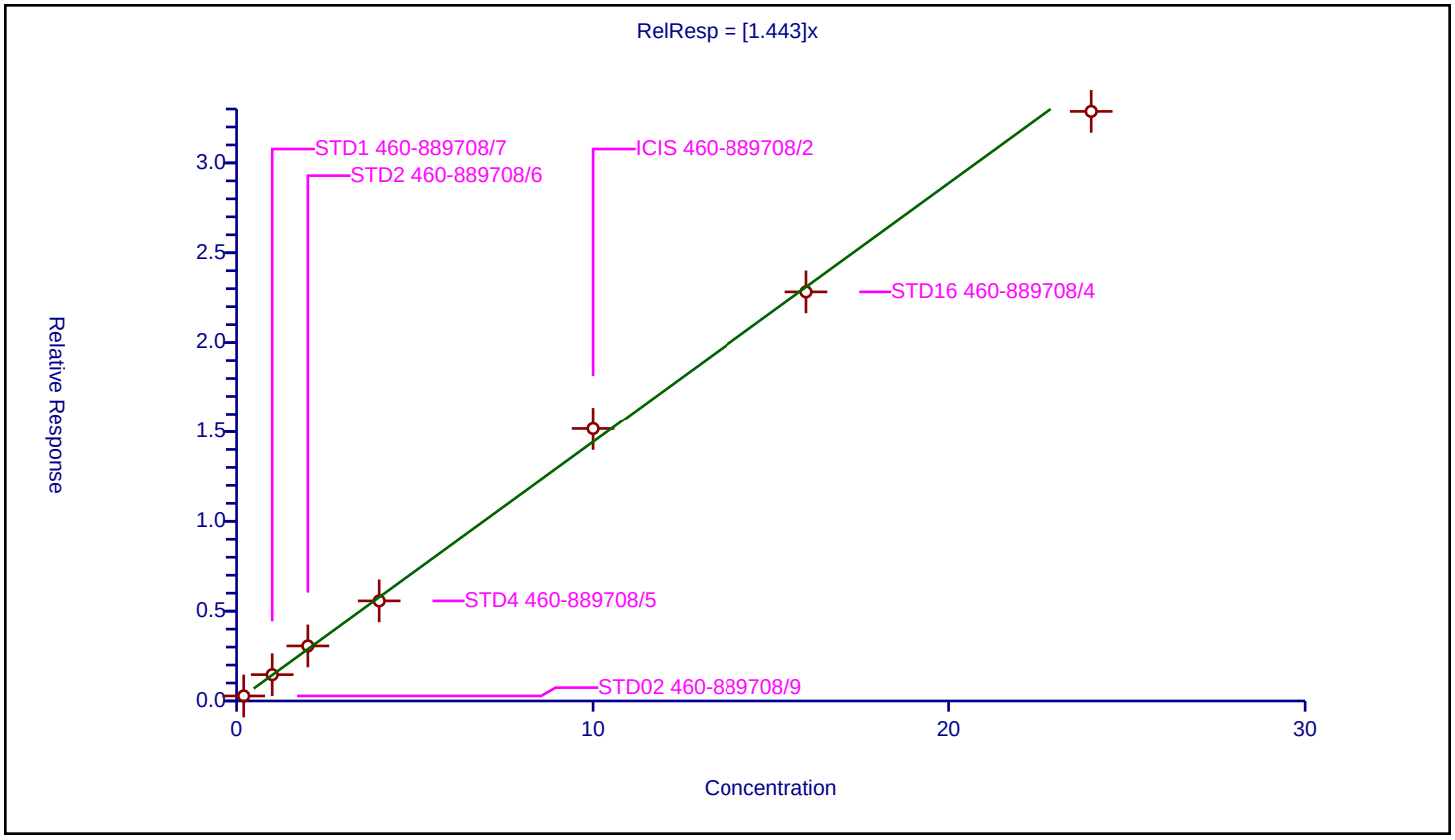
Curve Coefficients

Intercept:	0
Slope:	1.443

Error Coefficients

Standard Error:	2730000
Relative Standard Error:	4.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.280463	8.0	1353988.0	1.402317	Y
2	STD1 460-889708/7	1.0	1.46474	8.0	1463069.0	1.46474	Y
3	STD2 460-889708/6	2.0	3.063095	8.0	1768893.0	1.531548	Y
4	STD4 460-889708/5	4.0	5.57064	8.0	1376524.0	1.39266	Y
5	ICIS 460-889708/2	10.0	15.168022	8.0	1295179.0	1.516802	Y
6	STD16 460-889708/4	16.0	22.822204	8.0	1258968.0	1.426388	Y
7	STD24 460-889708/3	24.0	32.868032	8.0	1199366.0	1.369501	Y



Calibration / Bisphenol-A

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

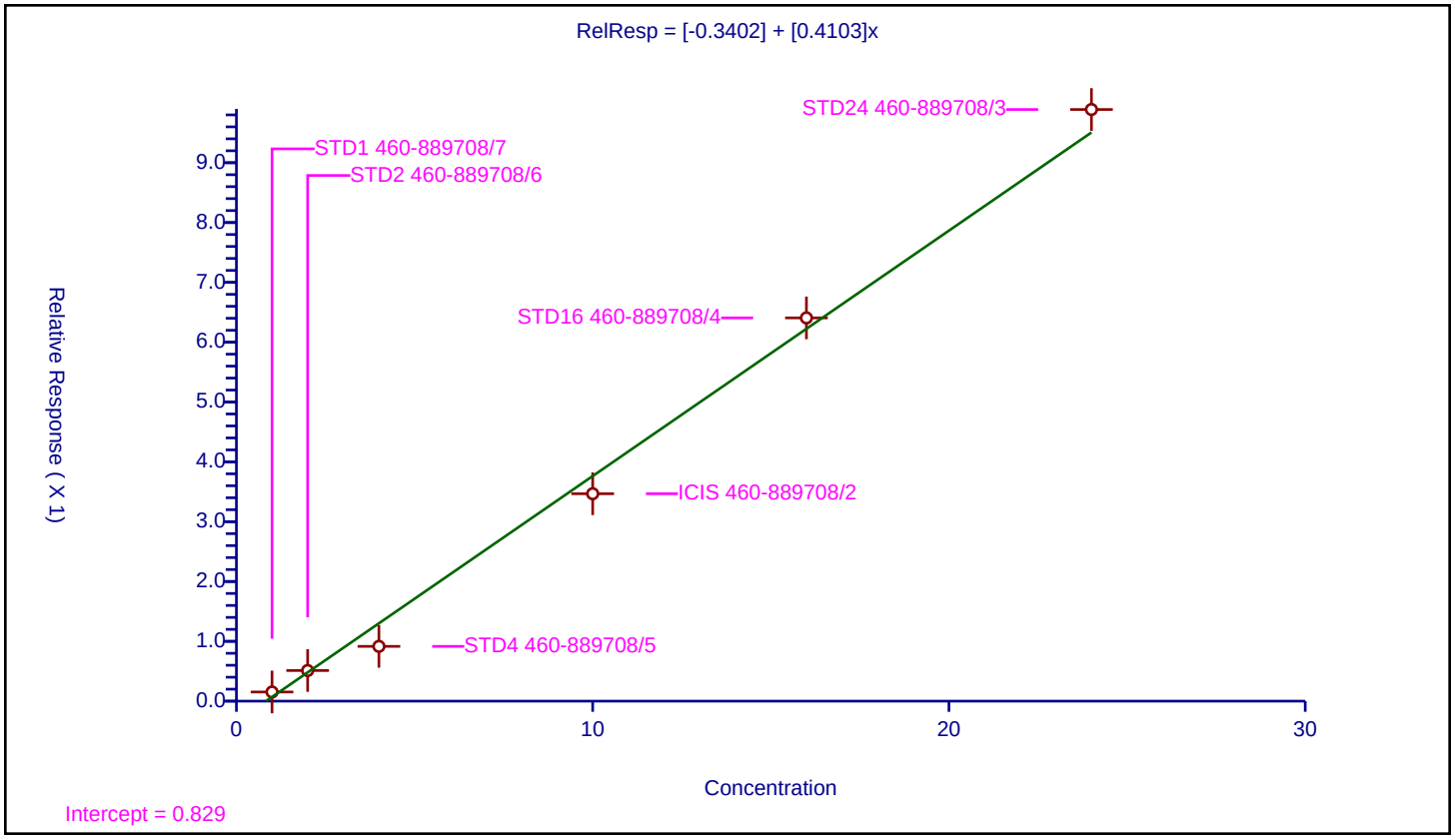
Curve Coefficients

Intercept:	-0.3402
Slope:	0.4103

Error Coefficients

Standard Error:	944000
Relative Standard Error:	16.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.152753	8.0	1463069.0	0.152753	Y
2	STD2 460-889708/6	2.0	0.511764	8.0	1768893.0	0.255882	Y
3	STD4 460-889708/5	4.0	0.915523	8.0	1376524.0	0.228881	Y
4	ICIS 460-889708/2	10.0	3.467295	8.0	1295179.0	0.34673	Y
5	STD16 460-889708/4	16.0	6.406295	8.0	1258968.0	0.400393	Y
6	STD24 460-889708/3	24.0	9.889738	8.0	1199366.0	0.412072	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

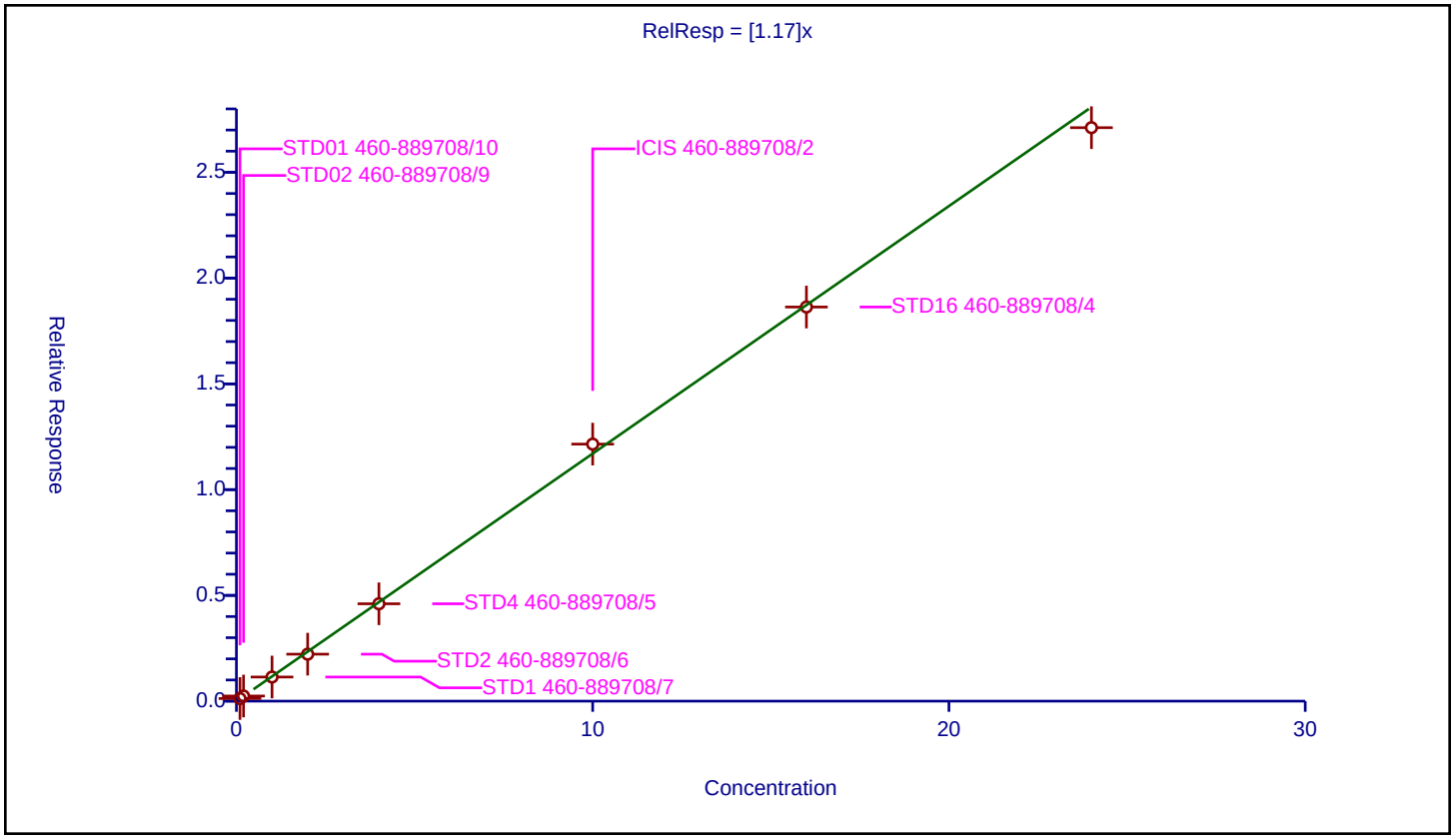
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	3.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.12369	8.0	1270921.0	1.236898	Y
2	STD02 460-889708/9	0.2	0.24285	8.0	1353988.0	1.21425	Y
3	STD1 460-889708/7	1.0	1.14037	8.0	1463069.0	1.14037	Y
4	STD2 460-889708/6	2.0	2.220557	8.0	1768893.0	1.110279	Y
5	STD4 460-889708/5	4.0	4.602933	8.0	1376524.0	1.150733	Y
6	ICIS 460-889708/2	10.0	12.15226	8.0	1295179.0	1.215226	Y
7	STD16 460-889708/4	16.0	18.632969	8.0	1258968.0	1.164561	Y
8	STD24 460-889708/3	24.0	27.112825	8.0	1199366.0	1.129701	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

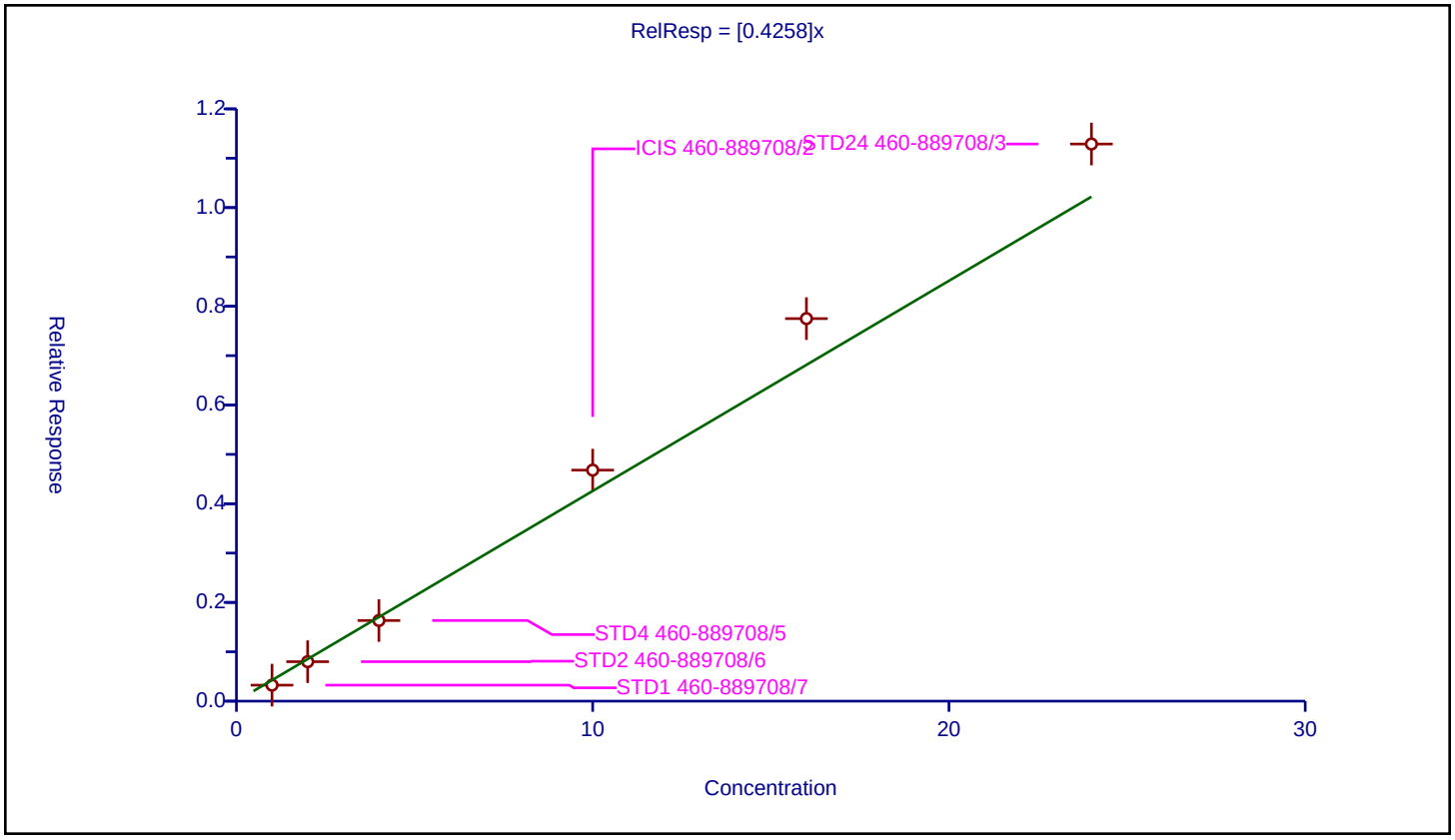
Curve Coefficients

Intercept:	0
Slope:	0.4258

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	14.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.323878	8.0	1463069.0	0.323878	Y
2	STD2 460-889708/6	2.0	0.799587	8.0	1768893.0	0.399794	Y
3	STD4 460-889708/5	4.0	1.633773	8.0	1376524.0	0.408443	Y
4	ICIS 460-889708/2	10.0	4.680916	8.0	1295179.0	0.468092	Y
5	STD16 460-889708/4	16.0	7.750837	8.0	1258968.0	0.484427	Y
6	STD24 460-889708/3	24.0	11.288437	8.0	1199366.0	0.470352	Y



Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

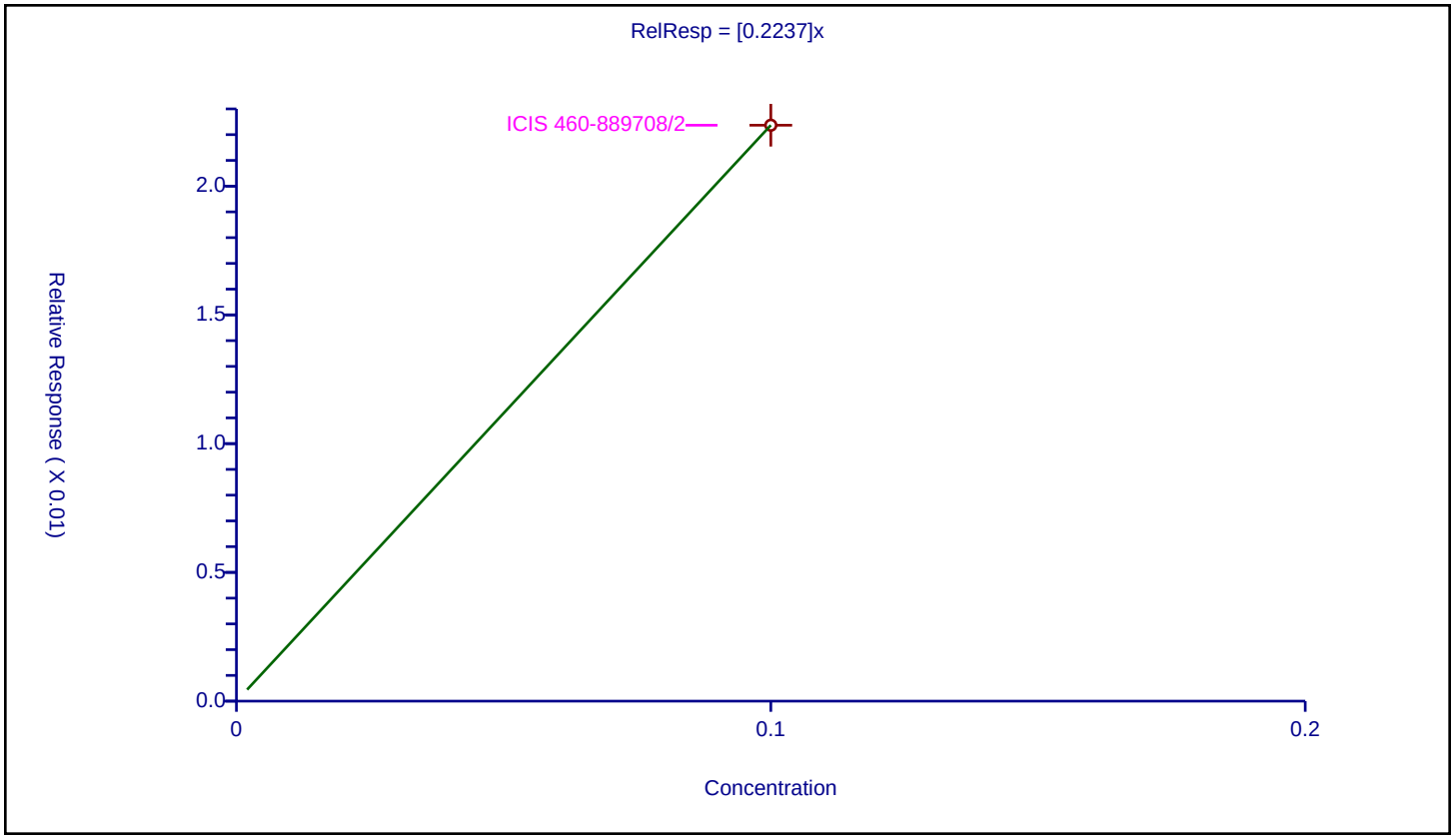
Curve Coefficients

Intercept:	0
Slope:	0.2237

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-889708/2	0.1	0.022366	8.0	1295179.0	0.22366	Y



Calibration / Carbamazepine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

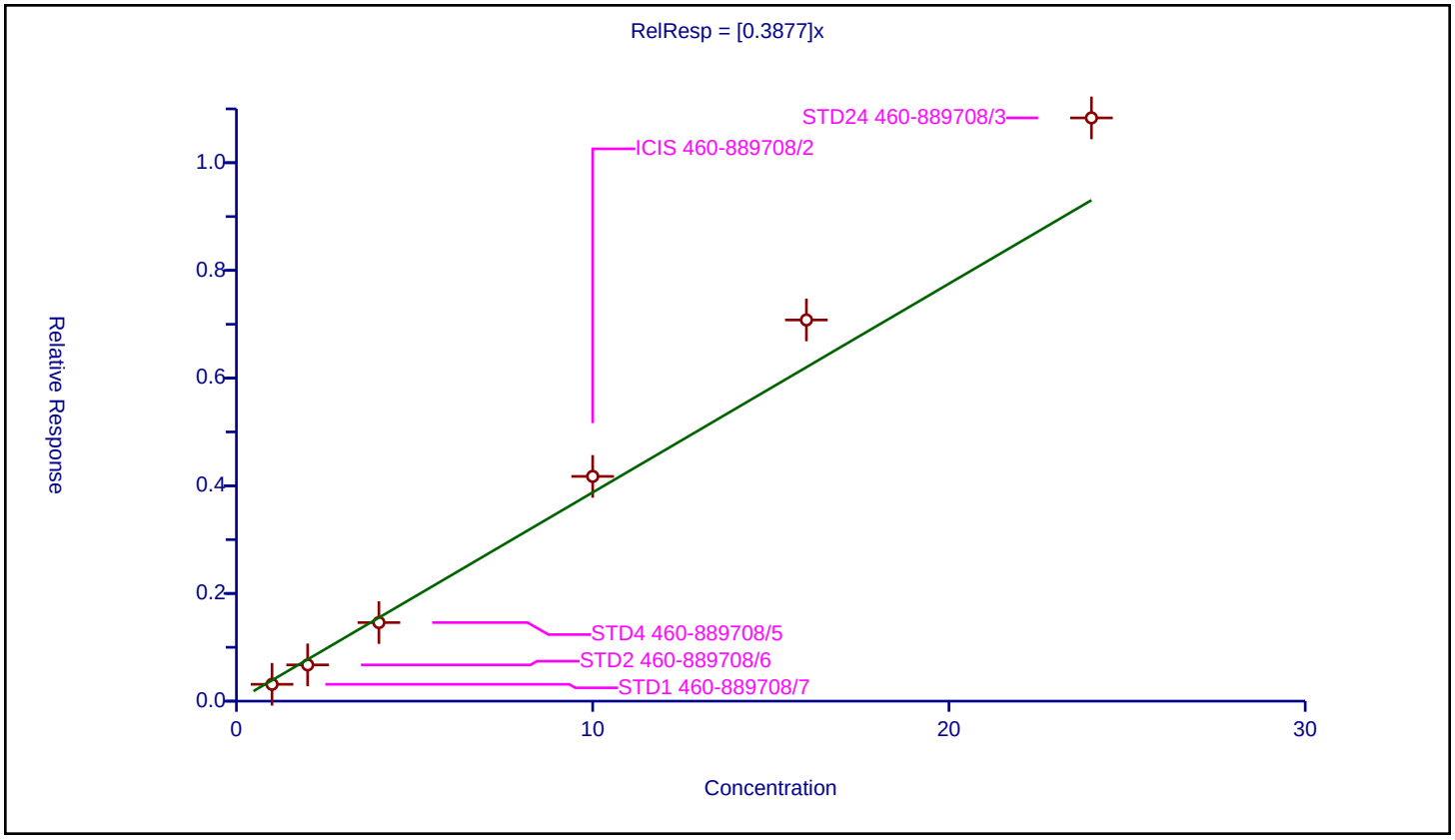
Curve Coefficients

Intercept:	0
Slope:	0.3877

Error Coefficients

Standard Error:	941000
Relative Standard Error:	14.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.31298	8.0	1463069.0	0.31298	Y
2	STD2 460-889708/6	2.0	0.673447	8.0	1768893.0	0.336724	Y
3	STD4 460-889708/5	4.0	1.459665	8.0	1376524.0	0.364916	Y
4	ICIS 460-889708/2	10.0	4.174435	8.0	1295179.0	0.417443	Y
5	STD16 460-889708/4	16.0	7.079843	8.0	1258968.0	0.44249	Y
6	STD24 460-889708/3	24.0	10.832323	8.0	1199366.0	0.451347	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

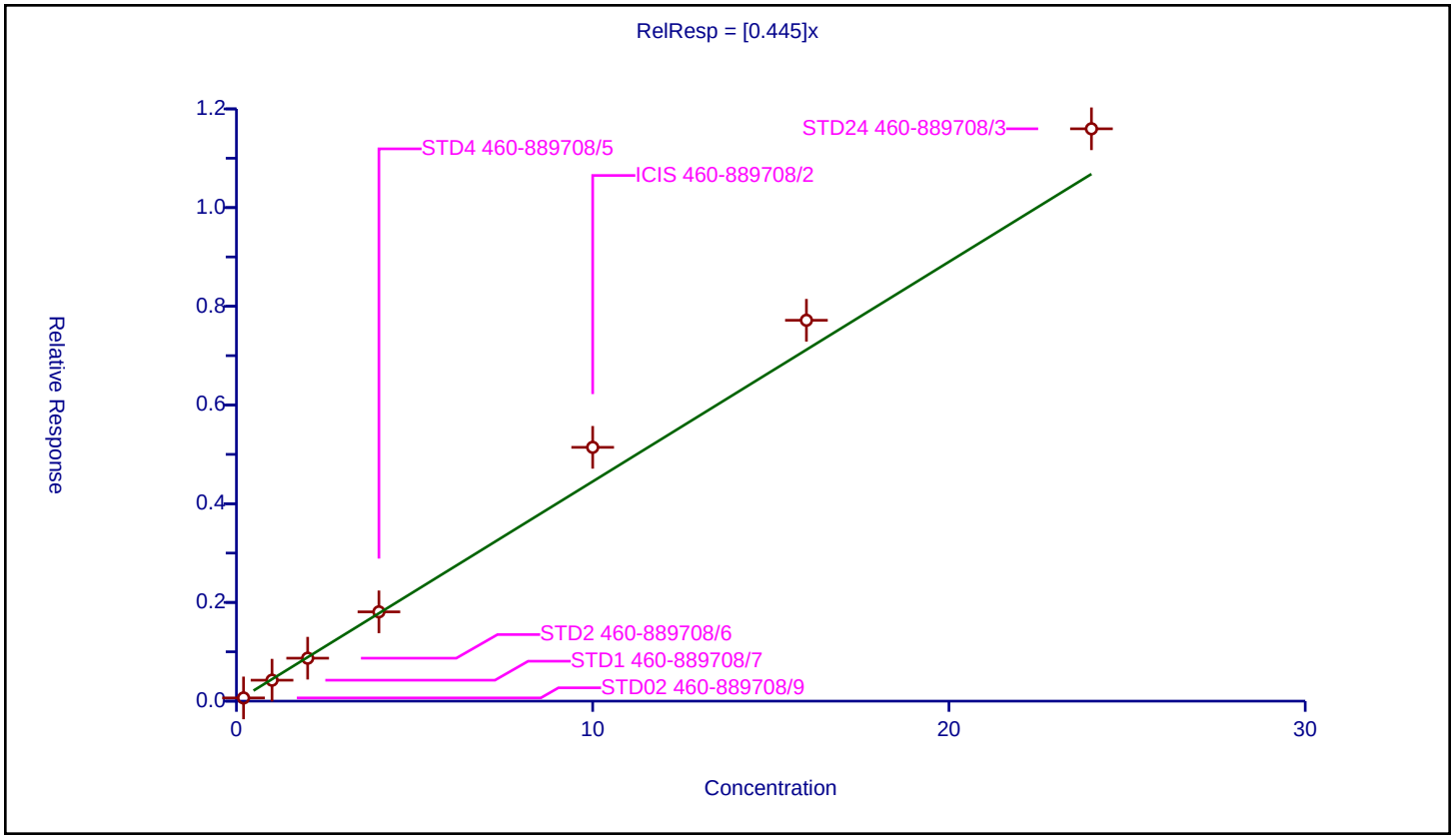
Curve Coefficients

Intercept:	0
Slope:	0.445

Error Coefficients

Standard Error:	943000
Relative Standard Error:	13.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.064763	8.0	1353988.0	0.323814	Y
2	STD1 460-889708/7	1.0	0.424292	8.0	1463069.0	0.424292	Y
3	STD2 460-889708/6	2.0	0.870117	8.0	1768893.0	0.435059	Y
4	STD4 460-889708/5	4.0	1.809247	8.0	1376524.0	0.452312	Y
5	ICIS 460-889708/2	10.0	5.142375	8.0	1295179.0	0.514237	Y
6	STD16 460-889708/4	16.0	7.717235	8.0	1258968.0	0.482327	Y
7	STD24 460-889708/3	24.0	11.59668	8.0	1199366.0	0.483195	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

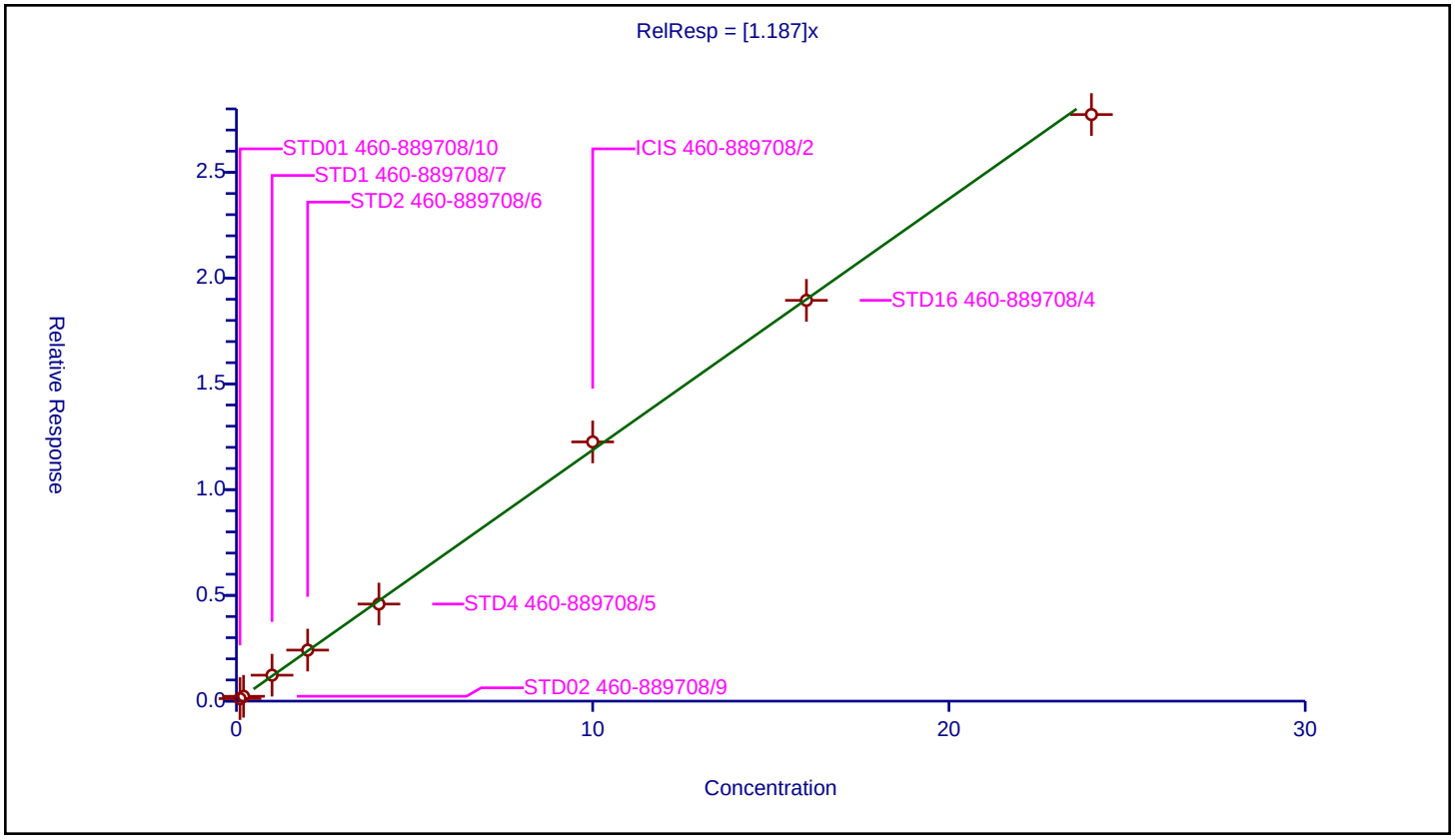
Curve Coefficients

Intercept:	0
Slope:	1.187

Error Coefficients

Standard Error:	2110000
Relative Standard Error:	2.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.120297	8.0	1270921.0	1.20297	Y
2	STD02 460-889708/9	0.2	0.229692	8.0	1353988.0	1.148459	Y
3	STD1 460-889708/7	1.0	1.227092	8.0	1463069.0	1.227092	Y
4	STD2 460-889708/6	2.0	2.413356	8.0	1768893.0	1.206678	Y
5	STD4 460-889708/5	4.0	4.590194	8.0	1376524.0	1.147548	Y
6	ICIS 460-889708/2	10.0	12.256246	8.0	1295179.0	1.225625	Y
7	STD16 460-889708/4	16.0	18.94886	8.0	1258968.0	1.184304	Y
8	STD24 460-889708/3	24.0	27.733559	8.0	1199366.0	1.155565	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

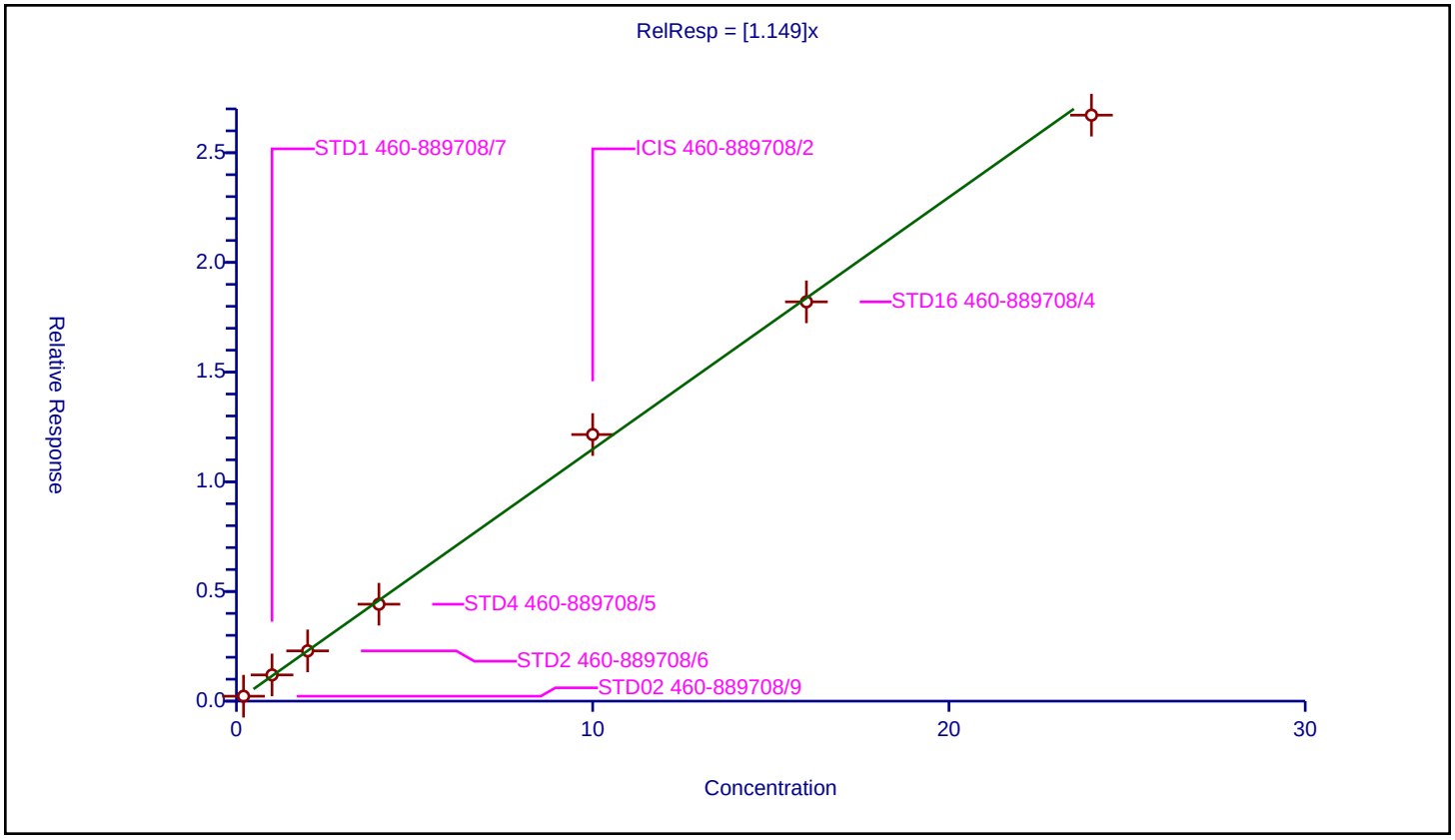
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	3.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.225574	8.0	1353988.0	1.127868	Y
2	STD1 460-889708/7	1.0	1.195104	8.0	1463069.0	1.195104	Y
3	STD2 460-889708/6	2.0	2.292218	8.0	1768893.0	1.146109	Y
4	STD4 460-889708/5	4.0	4.419369	8.0	1376524.0	1.104842	Y
5	ICIS 460-889708/2	10.0	12.153236	8.0	1295179.0	1.215324	Y
6	STD16 460-889708/4	16.0	18.203716	8.0	1258968.0	1.137732	Y
7	STD24 460-889708/3	24.0	26.714127	8.0	1199366.0	1.113089	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

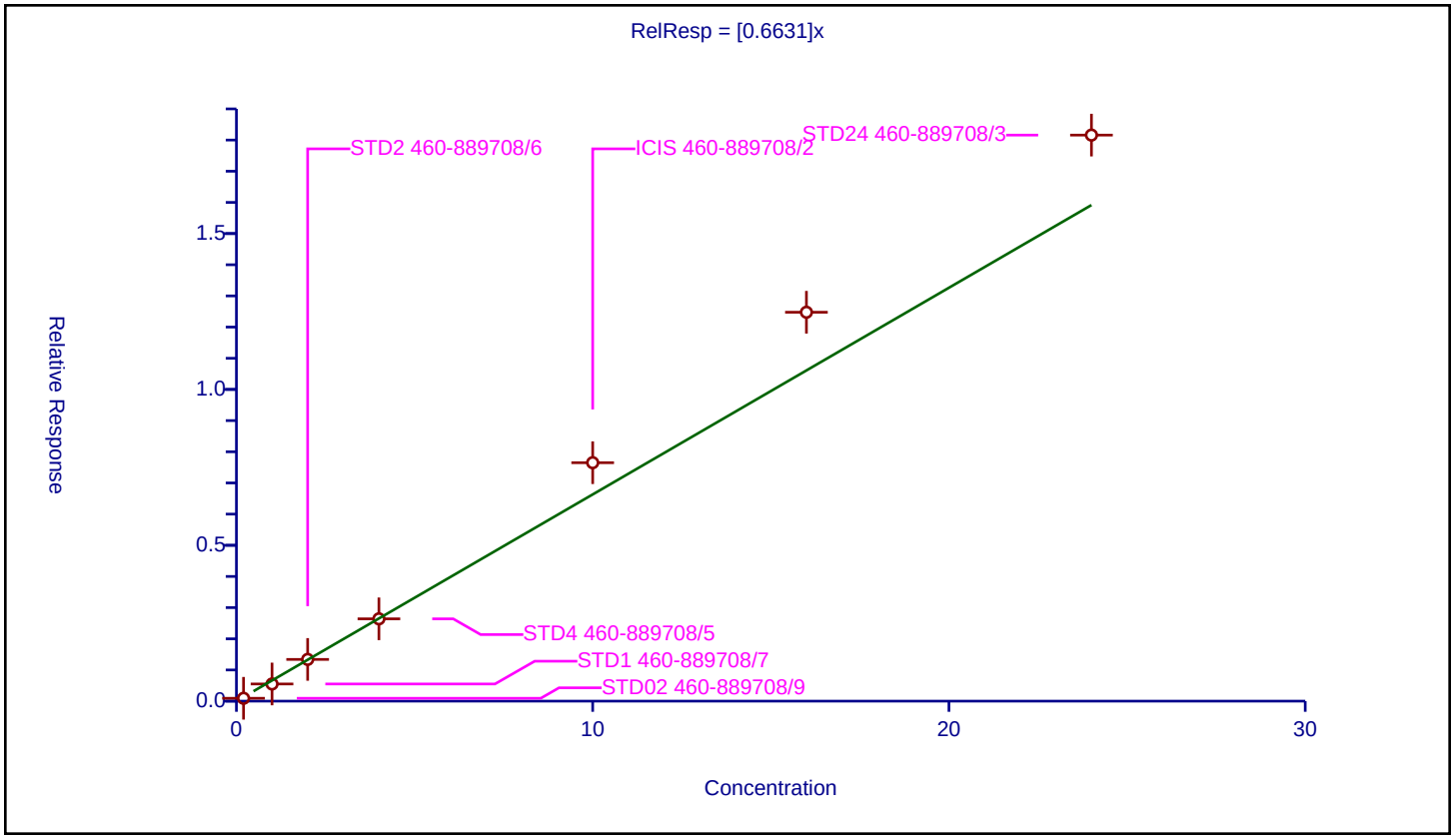
Curve Coefficients

Intercept:	0
Slope:	0.6631

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	18.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-889708/9	0.2	0.092013	8.0	1353988.0	0.460063	Y
2	STD1 460-889708/7	1.0	0.550859	8.0	1463069.0	0.550859	Y
3	STD2 460-889708/6	2.0	1.338564	8.0	1768893.0	0.669282	Y
4	STD4 460-889708/5	4.0	2.640605	8.0	1376524.0	0.660151	Y
5	ICIS 460-889708/2	10.0	7.649488	8.0	1295179.0	0.764949	Y
6	STD16 460-889708/4	16.0	12.476231	8.0	1258968.0	0.779764	Y
7	STD24 460-889708/3	24.0	18.159308	8.0	1199366.0	0.756638	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

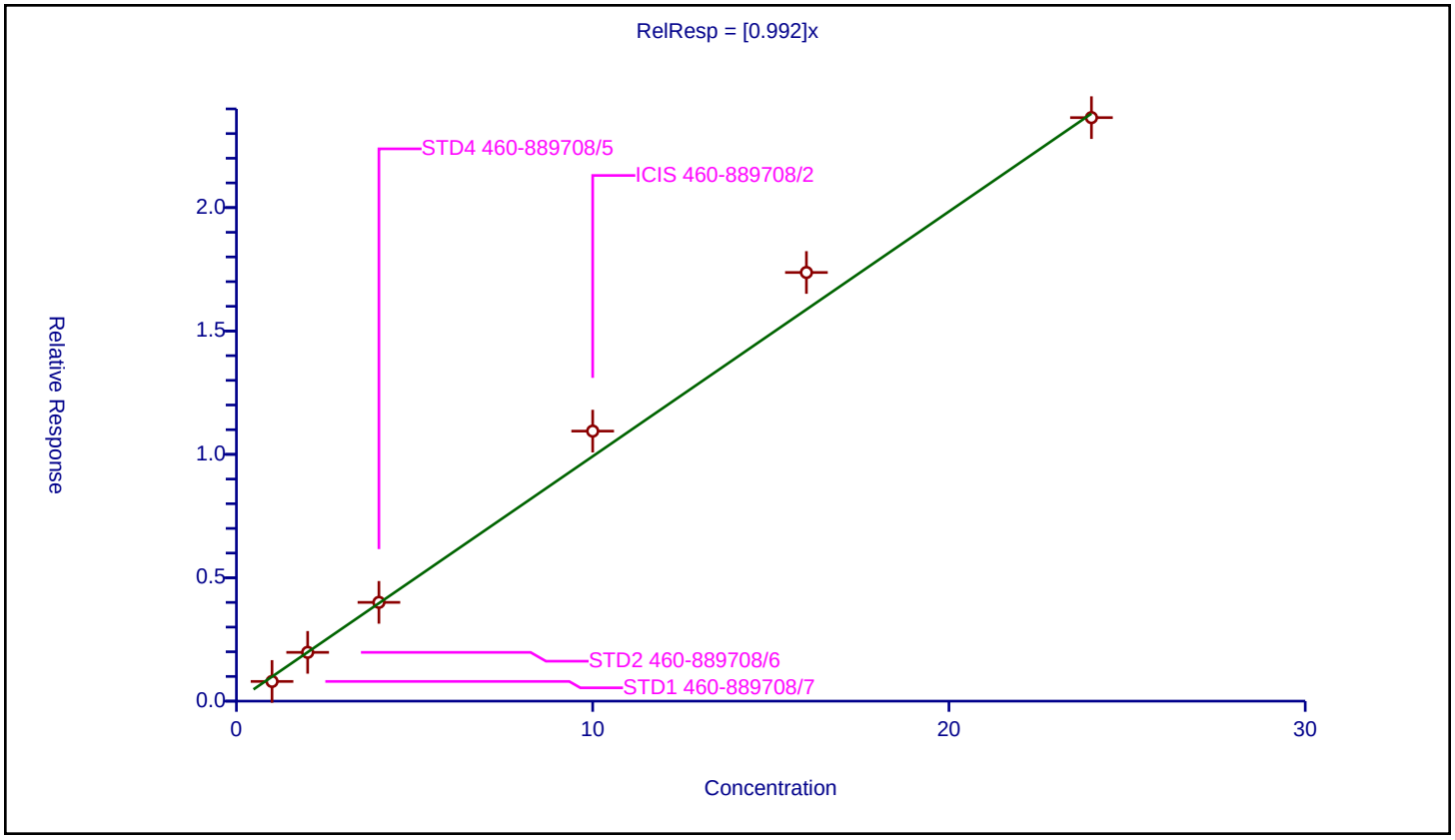
Curve Coefficients

Intercept:	0
Slope:	0.992

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	0.797837	8.0	1454161.0	0.797837	Y
2	STD2 460-889708/6	2.0	1.976565	8.0	1733407.0	0.988283	Y
3	STD4 460-889708/5	4.0	4.002609	8.0	1358230.0	1.000652	Y
4	ICIS 460-889708/2	10.0	10.942877	8.0	1412327.0	1.094288	Y
5	STD16 460-889708/4	16.0	17.370785	8.0	1381147.0	1.085674	Y
6	STD24 460-889708/3	24.0	23.645611	8.0	1453542.0	0.985234	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

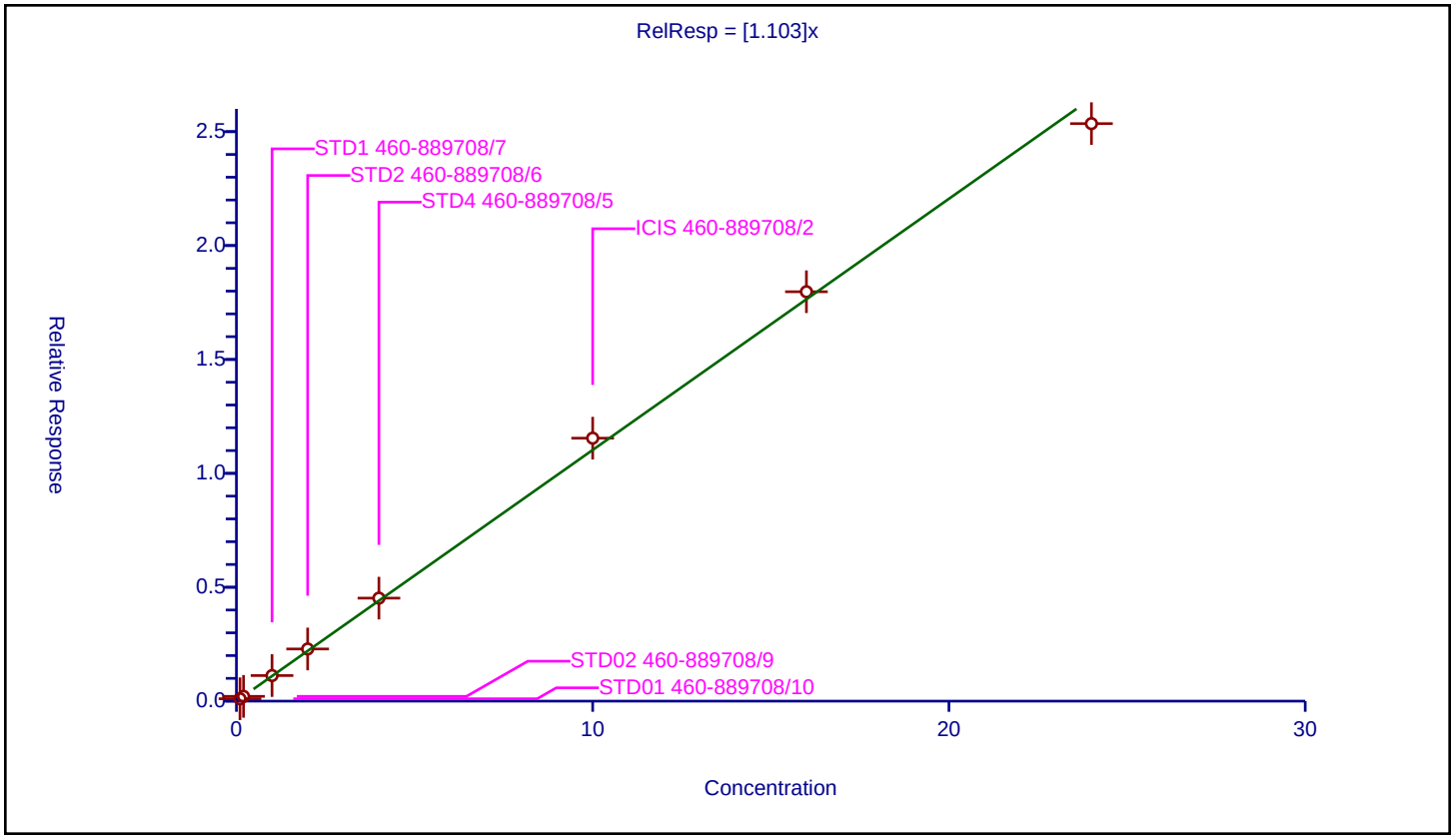
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.10425	8.0	1277088.0	1.042497	Y
2	STD02 460-889708/9	0.2	0.209316	8.0	1359703.0	1.046581	Y
3	STD1 460-889708/7	1.0	1.122836	8.0	1454161.0	1.122836	Y
4	STD2 460-889708/6	2.0	2.289627	8.0	1733407.0	1.144814	Y
5	STD4 460-889708/5	4.0	4.521697	8.0	1358230.0	1.130424	Y
6	ICIS 460-889708/2	10.0	11.544969	8.0	1412327.0	1.154497	Y
7	STD16 460-889708/4	16.0	17.972998	8.0	1381147.0	1.123312	Y
8	STD24 460-889708/3	24.0	25.353802	8.0	1453542.0	1.056408	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

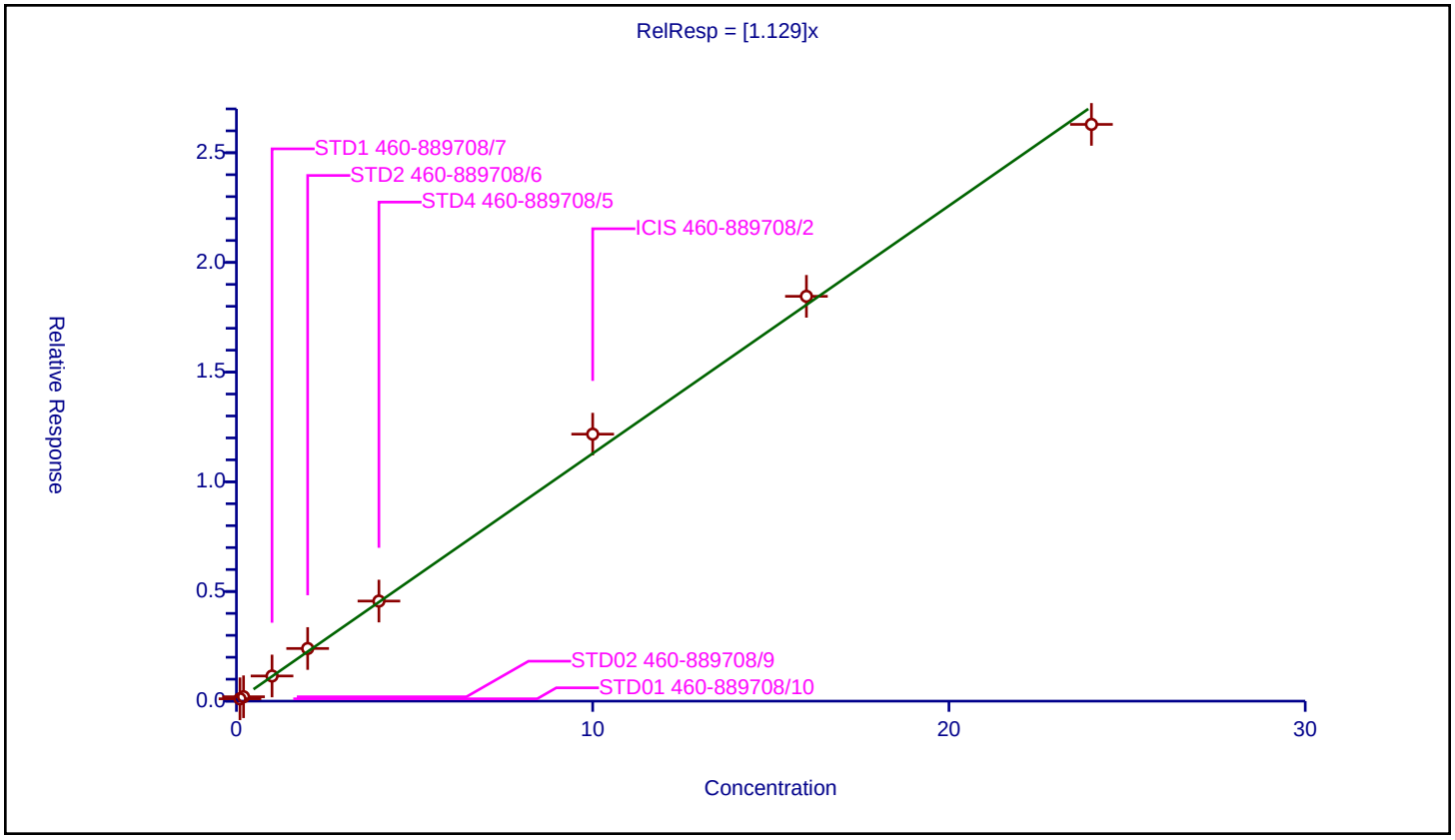
Curve Coefficients

Intercept:	0
Slope:	1.129

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.107971	8.0	1277088.0	1.079706	Y
2	STD02 460-889708/9	0.2	0.199908	8.0	1359703.0	0.999542	Y
3	STD1 460-889708/7	1.0	1.14696	8.0	1454161.0	1.14696	Y
4	STD2 460-889708/6	2.0	2.400027	8.0	1733407.0	1.200014	Y
5	STD4 460-889708/5	4.0	4.562261	8.0	1358230.0	1.140565	Y
6	ICIS 460-889708/2	10.0	12.172258	8.0	1412327.0	1.217226	Y
7	STD16 460-889708/4	16.0	18.455704	8.0	1381147.0	1.153481	Y
8	STD24 460-889708/3	24.0	26.293586	8.0	1453542.0	1.095566	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

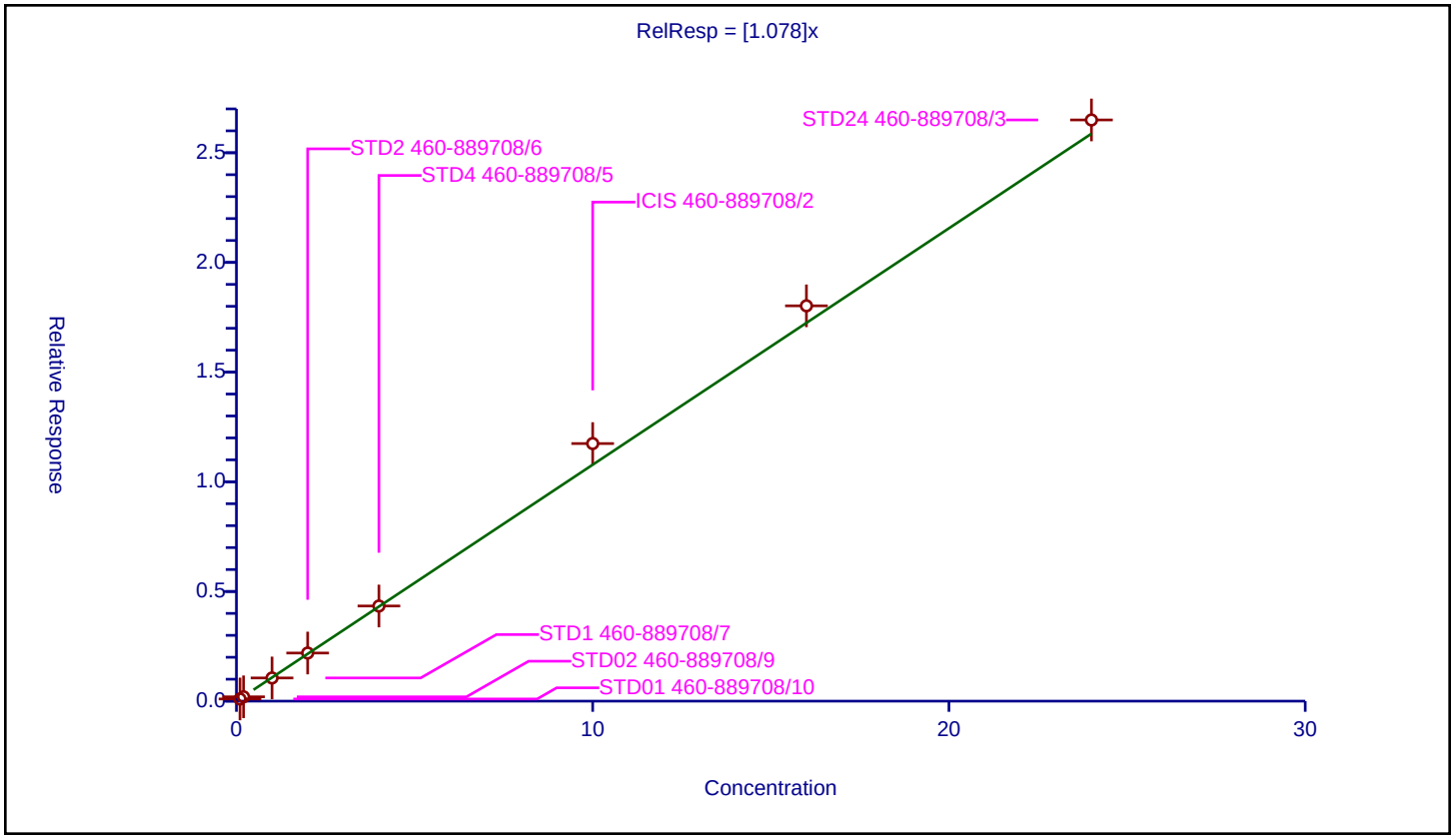
Curve Coefficients

Intercept:	0
Slope:	1.078

Error Coefficients

Standard Error:	2330000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.099551	8.0	1277088.0	0.995515	Y
2	STD02 460-889708/9	0.2	0.196919	8.0	1359703.0	0.984597	Y
3	STD1 460-889708/7	1.0	1.057077	8.0	1454161.0	1.057077	Y
4	STD2 460-889708/6	2.0	2.193151	8.0	1733407.0	1.096576	Y
5	STD4 460-889708/5	4.0	4.337186	8.0	1358230.0	1.084296	Y
6	ICIS 460-889708/2	10.0	11.743258	8.0	1412327.0	1.174326	Y
7	STD16 460-889708/4	16.0	18.021676	8.0	1381147.0	1.126355	Y
8	STD24 460-889708/3	24.0	26.495482	8.0	1453542.0	1.103978	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

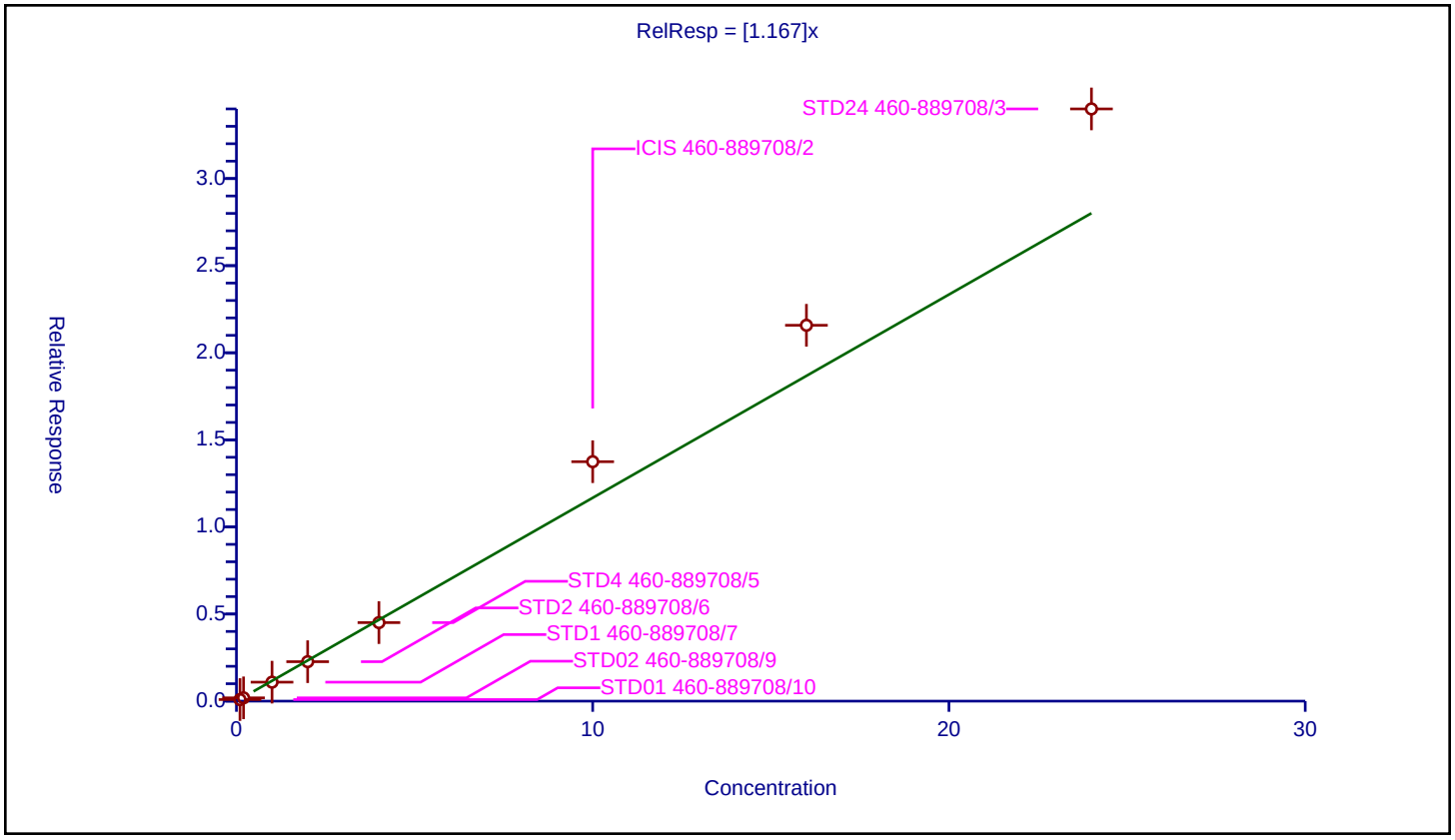
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Standard Error:	2900000
Relative Standard Error:	16.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.090268	8.0	1277088.0	0.902679	Y
2	STD02 460-889708/9	0.2	0.188947	8.0	1359703.0	0.944736	Y
3	STD1 460-889708/7	1.0	1.090069	8.0	1454161.0	1.090069	Y
4	STD2 460-889708/6	2.0	2.264807	8.0	1733407.0	1.132403	Y
5	STD4 460-889708/5	4.0	4.508697	8.0	1358230.0	1.127174	Y
6	ICIS 460-889708/2	10.0	13.746392	8.0	1412327.0	1.374639	Y
7	STD16 460-889708/4	16.0	21.577903	8.0	1381147.0	1.348619	Y
8	STD24 460-889708/3	24.0	33.998115	8.0	1453542.0	1.416588	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

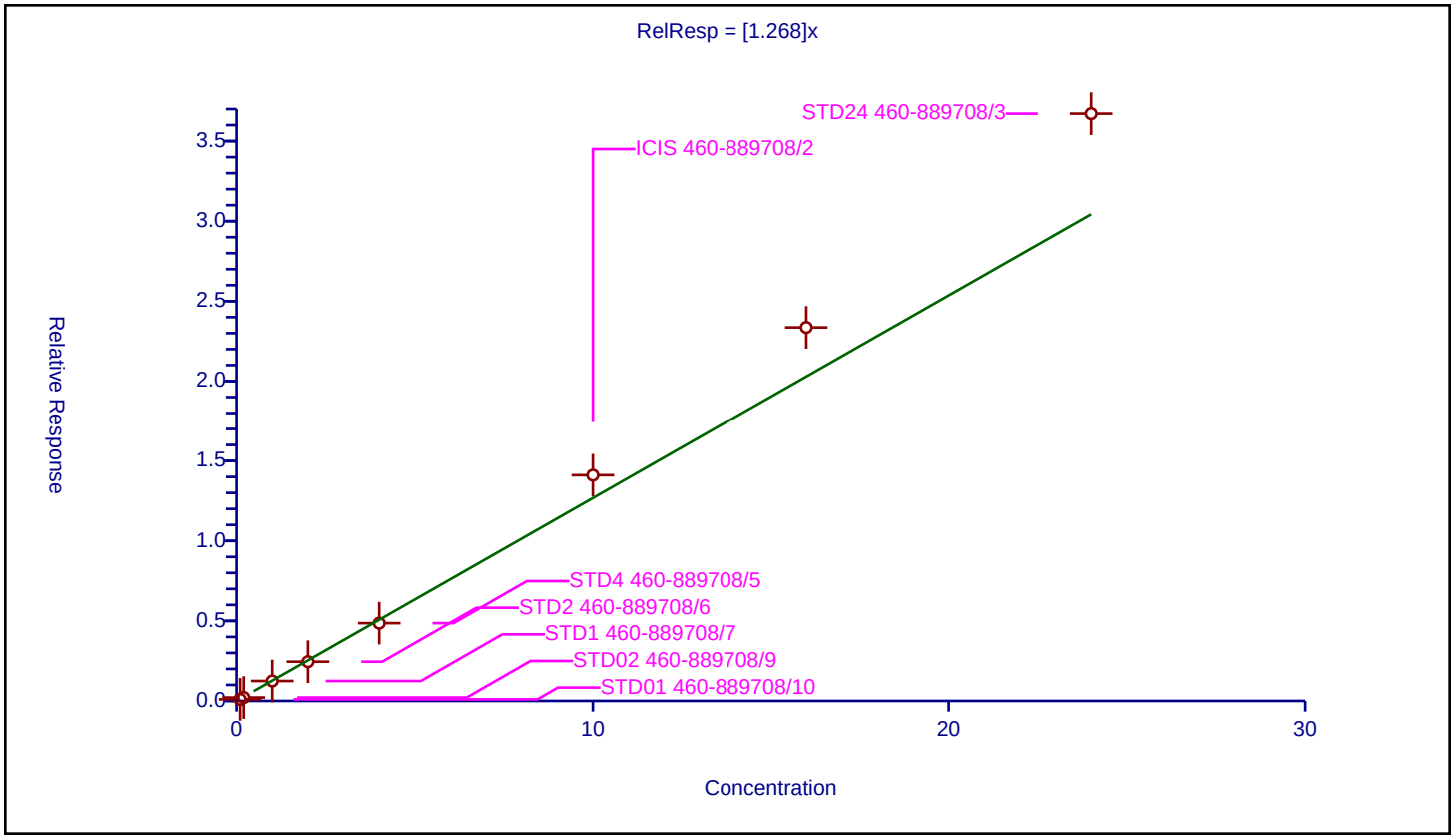
Curve Coefficients

Intercept:	0
Slope:	1.268

Error Coefficients

Standard Error:	3120000
Relative Standard Error:	14.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-889708/10	0.1	0.099201	8.0	1277088.0	0.992007	Y
2	STD02 460-889708/9	0.2	0.212552	8.0	1359703.0	1.062762	Y
3	STD1 460-889708/7	1.0	1.246211	8.0	1454161.0	1.246211	Y
4	STD2 460-889708/6	2.0	2.452571	8.0	1733407.0	1.226286	Y
5	STD4 460-889708/5	4.0	4.860249	8.0	1358230.0	1.215062	Y
6	ICIS 460-889708/2	10.0	14.108506	8.0	1412327.0	1.410851	Y
7	STD16 460-889708/4	16.0	23.358093	8.0	1381147.0	1.459881	Y
8	STD24 460-889708/3	24.0	36.713303	8.0	1453542.0	1.529721	Y



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Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

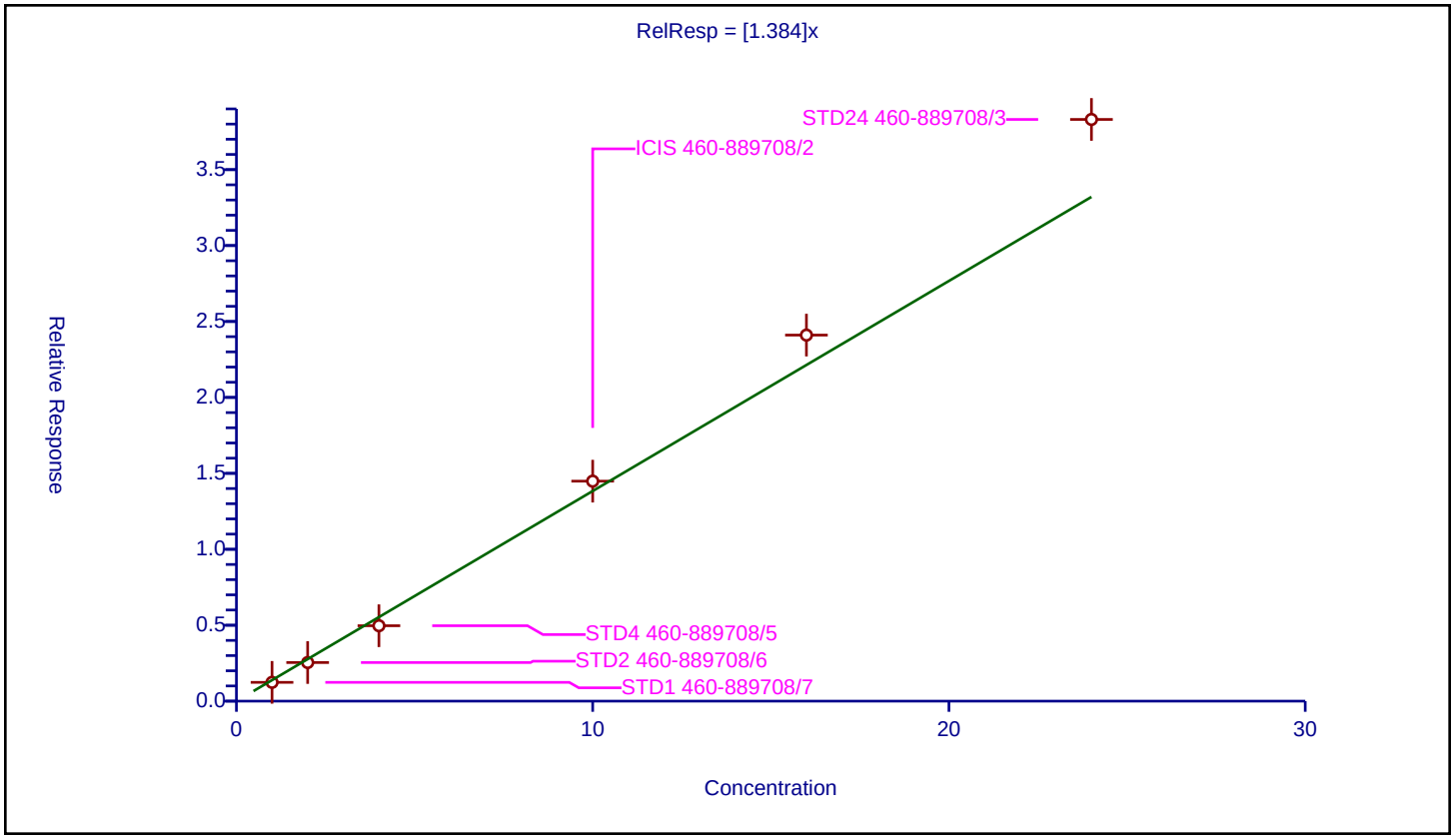
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Standard Error:	3830000
Relative Standard Error:	11.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-889708/7	1.0	1.237024	8.0	1454161.0	1.237024	Y
2	STD2 460-889708/6	2.0	2.54266	8.0	1733407.0	1.27133	Y
3	STD4 460-889708/5	4.0	4.966163	8.0	1358230.0	1.241541	Y
4	ICIS 460-889708/2	10.0	14.485716	8.0	1412327.0	1.448572	Y
5	STD16 460-889708/4	16.0	24.104336	8.0	1381147.0	1.506521	Y
6	STD24 460-889708/3	24.0	38.304572	8.0	1453542.0	1.596024	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-891145/10	N41483.d
Level 2	STD02 460-891145/9	N41482.d
Level 3	STD04 460-891145/8	N41481.d
Level 4	STD1 460-891145/7	N41480.d
Level 5	STD2 460-891145/6	N41479.d
Level 6	STD4 460-891145/5	N41478.d
Level 7	ICIS 460-891145/2	N41475.d
Level 8	STD16 460-891145/4	N41477.d
Level 9	STD24 460-891145/3	N41476.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.4371	0.4436	0.4035	0.4532 0.4077	0.4679	Ave		0.4355			0.0100	5.8		20.0			
N-Nitrosodimethylamine	0.6353	0.6526	0.6379	0.6323 0.6442	0.6656	Ave		0.6446			0.0100	1.9		20.0			
Pyridine	0.9437 1.0501	1.0390 1.0091	1.0271	1.0944 1.0069	1.1175	Ave		1.0359			0.0100	5.2		20.0			
Benzaldehyde	0.9079	0.9393 +++++	0.9186 +++++	0.9245 +++++	0.8939	Ave		0.9168			0.0100	1.9		20.0			
Phenol	1.2934	1.2827	1.2977	1.4178 1.2759	1.3828	Ave		1.3251			0.8000	4.5		20.0			
Aniline	1.6622	1.6048	1.6587	1.6938 1.6138	1.7181	Ave		1.6585			0.0100	2.7		20.0			
Bis(2-chloroethyl)ether	1.0288 0.9706	1.0179 0.9657	0.9754	1.0589 0.9639	1.0430	Ave		1.0030			0.7000	3.8		20.0			
2-Chlorophenol	1.1977	1.1802	1.1925	1.2577 1.1801	1.2533	Ave		1.2102			0.8000	3.0		20.0			
n-Decane	1.1837	1.1990	1.2027	1.2435 1.1918	1.2207	Ave		1.2069			0.0100	1.8		20.0			
1,3-Dichlorobenzene	1.4690	1.4590	1.4598	1.5205 1.4175	1.5306	Ave		1.4761			0.0100	2.9		20.0			
1,4-Dichlorobenzene	1.4979	1.4978	1.4821	1.6163 1.4442	1.6137	Ave		1.5253			0.0100	4.7		20.0			
Benzyl alcohol	0.6766	0.6644	0.7145	0.7041 0.6747	0.7166	Ave		0.6918			0.0100	3.3		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4250	1.3850	1.4111	1.4984 1.3562	1.4789	Ave		1.4258			0.0100	3.8		20.0			
2-Methylphenol	1.0066	0.9821	0.9891	1.0232 0.9512	1.0355	Ave		0.9980			0.7000	3.1		20.0			
2,2'-oxybis[1-chloropropane]	1.2764	1.3146	1.2970	1.3486 1.2382	1.3270	Ave		1.3003			0.0100	3.0		20.0			
3 & 4 Methylphenol	1.0959	1.0984	1.0991	1.1486 1.0161	1.1633	Ave		1.1036			0.0100	4.7		20.0			
4-Methylphenol	1.0959	1.0984	1.0991	1.1486 1.0161	1.1633	Ave		1.1036			0.6000	4.7		20.0			
N-Methylaniline	1.6354 1.9290	1.7978 1.7625	1.8913	1.9078 1.8123	1.8638	Ave		1.8250			0.0100	5.3		20.0			
N-Nitrosodi-n-propylamine	0.6659 0.7135	0.6609 0.7050	0.7291	0.7341 0.6775	0.7409	Ave		0.7034			0.5000	4.5		20.0			
Acetophenone	1.6449	1.6044	1.5916	1.7480 1.4610	1.7106	Ave		1.6267			0.0100	6.2		20.0			
Hexachloroethane	0.4391 0.4995	0.4705 0.5028	0.4996	0.5141 0.4866	0.5226	Ave		0.4918			0.3000	5.4		20.0			
Nitrobenzene	0.4398 0.5122	0.4455 0.5092	0.5191	0.5370 0.4883	0.5200	Ave		0.4964			0.2000	7.2		20.0			
n,n'-Dimethylaniline	1.8056 1.8106	1.8298 1.7721	1.7751	1.8306 1.6998	1.7371	Ave		1.7826			0.0100	2.6		20.0			
Isophorone	0.5460	0.4916 0.5622	0.5653	0.5479 0.5428	0.5601	Ave		0.5451			0.4000	4.6		20.0			
2-Nitrophenol	0.1701	0.1778	0.1828	0.1632 0.1783	0.1675	Ave		0.1733			0.1000	4.3		20.0			
2,4-Dimethylphenol	0.2915	0.2930	0.2926	0.3021 0.2810	0.3014	Ave		0.2936			0.2000	2.6		20.0			
Benzoic acid	0.1119	0.1643	0.1884	0.0145 0.1844	0.0730	Lin1	-0.215	0.1926			0.0100	12.6					
Bis(2-chloroethoxy)methane	0.3483	0.3583	0.3511	0.3668 0.3380	0.3558	Ave		0.3531			0.3000	2.8		20.0			
2,4-Dichlorophenol	0.3260	0.3213	0.3261	0.3273 0.3157	0.3284	Ave		0.3242			0.2000	1.5		20.0			
1,2,4-Trichlorobenzene	0.3300 0.3747	0.3732 0.3751	0.3762	0.3848 0.3602	0.3811	Ave		0.3694			0.0100	4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0409 0.9989	1.0440 0.9785	0.9863	1.0564 0.9353	1.0595	Ave		1.0125			0.7000	4.4		20.0			
4-Chloroaniline	0.3664 0.4005	0.3987 0.3926	0.3937	0.4328 0.3727	0.4126	Ave		0.3963			0.0100	5.3		20.0			
2,6-Dichlorophenol	0.3125	0.3079	0.3176	0.3341 0.3070	0.3271	Ave		0.3177				3.4		20.0			
Hexachlorobutadiene	0.2022 0.2233	0.2157 0.2099	0.2268	0.2255 0.2224	0.2311	Ave		0.2196			0.0100	4.4		20.0			
Caprolactam	0.0517	0.0378 +++++	0.0394 +++++	0.0429 +++++	0.0440	Ave		0.0432			0.0100	12.5		20.0			
4-Chloro-3-methylphenol	0.2570	0.2563	0.2567	0.2620 0.2470	0.2639	Ave		0.2572			0.2000	2.3		20.0			
2-Methylnaphthalene	0.6847	0.6644 0.6535	0.6691	0.7314 0.6416	0.7090	Ave		0.6791			0.4000	4.7		20.0			
1-Methylnaphthalene	0.6178	0.6215 0.6016	0.6155	0.6582 0.5832	0.6471	Ave		0.6207			0.0100	4.1		20.0			
Hexachlorocyclopentadiene	0.4286	0.4924	0.4871	0.4457 0.4735	0.4514	Ave		0.4631			0.0500	5.4		20.0			
1,2,4,5-Tetrachlorobenzene	0.5996	0.6586	0.6355	0.6294 0.6187	0.6452	Ave		0.6312			0.0100	3.3		20.0			
2-tertbutyl-4-methylphenol	0.4298	0.4188 0.4250	0.4397	0.4381 0.4285	0.4247	Ave		0.4292			0.0100	1.7		20.0			
2,4,6-Trichlorophenol	0.3799	0.3135 0.4151	0.4068	0.3944 0.3978	0.3957	Ave		0.3862			0.2000	8.8		20.0			
2,4,5-Trichlorophenol	0.4202	0.4580	0.4490	0.4413 0.4295	0.4531	Ave		0.4418			0.2000	3.3		20.0			
1,1'-Biphenyl	1.4282	1.5525	1.4386	1.5080 1.3848	1.5418	Ave		1.4757			0.0100	4.6		20.0			
2-Chloronaphthalene	1.1485	1.2327	1.1653	1.1911 1.1246	1.2093	Ave		1.1786			0.8000	3.4		20.0			
Phenyl ether	0.8223	0.8640	0.8668	0.8351 0.8515	0.8362	Ave		0.8460			0.0100	2.1		20.0			
2-Nitroaniline	0.3054	0.3477	0.3231	0.2933 0.3185	0.3115	Ave		0.3166			0.0100	5.8		20.0			
1,3-Dimethylnaphthalene	0.8997	0.9906	0.9120	0.8748 0.8949	0.8944	Ave		0.9111			0.0100	4.5		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.2315	1.3248	1.2346	1.2855 1.1990	1.3015	Ave		1.2628			0.0100	3.8		20.0			
Coumarin	0.2339	0.2157	0.2226	0.2378 0.2166	0.2204	Ave		0.2245			0.0100	4.1		20.0			
2,6-Dinitrotoluene	0.2562	0.2034 0.2773	0.2683	0.2352 0.2626	0.2629	Ave		0.2523			0.2000	10.0		20.0			
Acenaphthylene	1.7328	1.7909	1.7753	1.7607 1.6898	1.8438	Ave		1.7656			0.9000	3.0		20.0			
3-Nitroaniline	0.2470	0.2716	0.2490	0.2314 0.2418	0.2490	Ave		0.2483			0.0100	5.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0437	1.1510	1.1455	1.0971 1.1268	1.0480	Ave		1.1020			0.0100	4.3		20.0			
Acenaphthene	1.0249	1.0992	1.0239	1.0630 0.9867	1.0867	Ave		1.0474			0.9000	4.1		20.0			
2,4-Dinitrophenol	0.1294	0.1556	0.1652	0.0073 0.1632	0.1147	Lin2	-0.318	0.1743			0.0100				0.9950		0.9900
4-Nitrophenol	0.1726	0.1970	0.1733	0.1568 0.1704	0.1736	Ave		0.1740			0.0100	7.4		20.0			
2,4-Dinitrotoluene	0.3387	0.2444 0.3694	0.3393	0.2999 0.3388	0.3414	Ave		0.3245			0.2000	12.5		20.0			
Dibenzofuran	1.5878	1.6940	1.6043	1.6742 1.5495	1.6814	Ave		1.6319			0.8000	3.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3037	0.3444	0.3197	0.2855 0.3079	0.3017	Ave		0.3105			0.0100	6.4		20.0			
Diethyl phthalate	1.1816	1.2578	1.1424	1.2303 1.1199	1.2166	Ave		1.1914			0.0100	4.5		20.0			
Fluorene	1.2410	1.3296	1.2531	1.2986 1.2254	1.3261	Ave		1.2790			0.9000	3.5		20.0			
4-Chlorophenyl phenyl ether	0.6354	0.6737	0.6394	0.6713 0.6142	0.6670	Ave		0.6502			0.4000	3.7		20.0			
4-Nitroaniline	0.2420	0.2603	0.2422	0.2287 0.2347	0.2461	Ave		0.2423			0.0100	4.5		20.0			
4,6-Dinitro-2-methylphenol	0.0941	0.1145	0.1146	0.0688 0.1123	0.0826	Ave		0.0978			0.0100	19.7		20.0			
N-Nitrosodiphenylamine	0.4885	0.5326	0.5151	0.5006 0.4971	0.5112	Ave		0.5075			0.0100	3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.5237	0.5862	0.5448	0.5258 0.5238	0.5410	Ave		0.5409			0.0100	4.4		20.0			
Azobenzene	0.5237	0.5862	0.5448	0.5258 0.5238	0.5410	Ave		0.5409				4.4		20.0			
4-Bromophenyl phenyl ether	0.2016	0.2163	0.2136	0.2022 0.2043	0.2040	Ave		0.2070			0.1000	3.0		20.0			
Hexachlorobenzene	0.2409 0.2586	0.2564 0.2762	0.2760	0.2697 0.2678	0.2683	Ave		0.2642			0.1000	4.5		20.0			
Atrazine	0.1860	0.1695 0.2111	0.1717 0.2013	0.1800 0.1927	0.1775	Ave		0.1862			0.0100	7.8		20.0			
Pentachlorophenol	0.1254	0.1529	0.1514	0.1095 0.1511	0.1180	Ave		0.1347			0.0500	14.4		20.0			
Pentachloronitrobenzene	0.0902	0.1017	0.1017	0.0822 0.0986	0.0879	Ave		0.0937			0.0100	8.7		20.0			
n-Octadecane	0.2846	0.3301	0.2972	0.2851 0.2851	0.2865	Ave		0.2948			0.0100	6.1		20.0			
Phenanthrene	0.9992	1.0605	1.0104	1.0507 0.9669	1.0428	Ave		1.0217			0.7000	3.5		20.0			
Anthracene	0.9991	1.0843	1.0355	1.0541 0.9940	1.0315	Ave		1.0331			0.7000	3.3		20.0			
Carbazole	0.8688	0.9122	0.8621	0.8922 0.8256	0.8989	Ave		0.8766			0.0100	3.6		20.0			
Di-n-butyl phthalate	0.9215	1.0228	0.9606	0.8940 0.9413	0.9210	Ave		0.9435			0.0100	4.7		20.0			
Fluoranthene	1.0066	0.9423 1.0880	1.0006	1.0342 0.9624	1.0428	Ave		1.0110			0.6000	4.9		20.0			
Benzidine	0.4793	0.5168	0.5230	0.4851 0.5486	0.4597	Ave		0.5021			0.0100	6.6		20.0			
Pyrene	1.4344	1.3916 1.4502	1.4351	1.4133 1.3261	1.4564	Ave		1.4153			0.6000	3.2		20.0			
Bisphenol-A	0.4643	0.6163	0.6018	0.4212 0.6180	0.4578	Ave		0.5299				17.2		20.0			
Butyl benzyl phthalate	0.4405	0.4959	0.4897	0.3930 0.4675	0.4296	Ave		0.4527			0.0100	8.7		20.0			
2,3,7,8-TCDD		0.2248				Ave		0.2248			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.2379	0.2350	0.3039	0.1930 0.3044	0.2119	Ave		0.2477			0.0100	18.9		20.0			
3,3'-Dichlorobenzidine	0.4199	0.3335 0.5169	0.4798	0.3839 0.4957	0.3866	Ave		0.4309			0.0100	15.8		20.0			
Benzo[a]anthracene	1.3164 1.1655	1.2096 1.2262	1.1774	1.1460 1.1391	1.1938	Ave		1.1967			0.8000	4.7		20.0			
Chrysene	1.1116	1.1843 1.2019	1.1361	1.1880 1.0926	1.1880	Ave		1.1575			0.7000	3.8		20.0			
Bis(2-ethylhexyl) phthalate	0.6713	0.5615 0.7576	0.7491	0.5736 0.7146	0.6429	Ave		0.6672			0.0100	11.9		20.0			
Di-n-octyl phthalate	0.9770	0.9681	0.9575	0.8154 0.8382	0.9416	Ave		0.9163			0.0100	7.7		20.0			
Benzo[b]fluoranthene	1.0053 1.0980	1.0807 1.1324	1.0874	1.1552 1.0194	1.1297	Ave		1.0885			0.7000	4.9		20.0			
Benzo[k]fluoranthene	1.0608 1.1255	1.0461 1.1403	1.0933	1.1318 1.0360	1.1595	Ave		1.0992			0.7000	4.3		20.0			
Benzo[a]pyrene	0.8936 1.0691	0.9412 1.1615	1.1151	1.0337 1.0807	1.0792	Ave		1.0468			0.7000	8.5		20.0			
Indeno[1,2,3-cd]pyrene	1.1225 1.2210	1.1193 1.5156	1.4033	1.2282 1.4330	1.2550	Ave		1.2872			0.5000	11.4		20.0			
Dibenz(a,h)anthracene	1.1746 1.2946	1.1952 1.5218	1.4896	1.3340 1.5109	1.3472	Ave		1.3585			0.4000	10.1		20.0			
Benzo[g,h,i]perylene	1.3982	1.6643	1.5520	1.3801 1.5648	1.4219	Ave		1.4969			0.5000	7.6		20.0			
2-Fluorophenol (Surr)	1.1766	1.3482 1.1587	1.1443	1.1873 1.1436	1.1095	Ave		1.1812			0.0100	6.6		20.0			
Phenol-d5 (Surr)	1.4822 1.3698	1.4759 1.3046	1.3232	1.3678 1.2961	1.2909	Ave		1.3638			0.0100	5.7		20.0			
Nitrobenzene-d5 (Surr)	0.3402 0.3560	0.3888 0.3553	0.3647	0.3432 0.3560	0.3248	Ave		0.3536			0.0100	5.3		20.0			
2-Fluorobiphenyl	1.6981 1.4876	1.6534 1.5536	1.5014	1.4682 1.4710	1.4174	Ave		1.5313			0.0100	6.4		20.0			
2,4,6-Tribromophenol (Surr)	0.2613	0.2137 0.2774	0.2796	0.2339 0.2759	0.2313	Ave		0.2533			0.0100	10.5		20.0			
Terphenyl-d14 (Surr)	1.2222 1.1716	1.2514 1.1689	1.1497	1.1288 1.0731	1.0783	Ave		1.1555			0.0100	5.4		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-891145/10	N41483.d
Level 2	STD02 460-891145/9	N41482.d
Level 3	STD04 460-891145/8	N41481.d
Level 4	STD1 460-891145/7	N41480.d
Level 5	STD2 460-891145/6	N41479.d
Level 6	STD4 460-891145/5	N41478.d
Level 7	ICIS 460-891145/2	N41475.d
Level 8	STD16 460-891145/4	N41477.d
Level 9	STD24 460-891145/3	N41476.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave				6407	14162				1.00	2.00
			25250	60130	95618	146533		4.00	10.0	16.0	24.0	
N-Nitrosodimethylamine	DCBd 4	Ave				8939	20146				1.00	2.00
			36698	88463	151181	231513		4.00	10.0	16.0	24.0	
Pyridine	DCBd 4	Ave	2772	7159		30941	67650	0.200	0.400		2.00	4.00
			121322	273569	486830	723700		8.00	20.0	32.0	48.0	
Benzaldehyde	DCBd 4	Ave		3236	5531	13069	27057		0.200	0.400	1.00	2.00
			41957	+++++	+++++	+++++		3.20	+++++	+++++	+++++	
Phenol	DCBd 4	Ave				20043	41858				1.00	2.00
			74713	173876	307555	458530		4.00	10.0	16.0	24.0	
Aniline	DCBd 4	Ave				23944	52005				1.00	2.00
			96020	217541	393104	579942		4.00	10.0	16.0	24.0	
Bis(2-chloroethyl)ether	DCBd 4	Ave	1511	3507		14969	31572	0.100	0.200		1.00	2.00
			56069	130910	231167	346385		4.00	10.0	16.0	24.0	
2-Chlorophenol	DCBd 4	Ave				17780	37936				1.00	2.00
			69186	159989	282623	424078		4.00	10.0	16.0	24.0	

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	68379	162537	285051	17579 428296	36950	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd 4	Ave	84859	197783	345963	21494 509419	46331	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd 4	Ave	86529	203035	351256	22849 519003	48845	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd 4	Ave	39088	90066	169342	9954 242455	21690	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd 4	Ave	82316	187749	334431	21182 487366	44766	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd 4	Ave	58148	133135	234410	14465 341846	31345	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	73731	178202	307392	19064 444984	40168	4.00	10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd 4	Ave	63308	148897	260484	16237 365143	35212	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd 4	Ave	63308	148897	260484	16237 365143	35212	4.00	10.0	16.0	1.00 24.0	2.00
N-Methylaniline	DCBd 4	Ave	2402 111432	6194 238925	448234	26969 651299	56417	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	978 41219	2277 95572	172792	10378 243461	22427	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd 4	Ave	95021	217483	377207	24711 525050	51778	4.00	10.0	16.0	1.00 24.0	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachloroethane	DCBd 4	Ave	645 28853	1621 68158	118401	7268 174866	15818	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene	DCBd 4	Ave	646 29588	1535 69030	123019	7592 175465	15739	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd 4	Ave	2652 104594	6304 240226	420707	25878 610860	52582	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	5560 104186	245597	440394	25654 628260	56606	0.200 4.00	10.0	16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	32462	77660	142422	7642 206329	16926	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	55617	127990	227967	14145 325222	30462	4.00	10.0	16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin1	21346	71787	146769	678 213457	7376	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	66451	156503	273535	17175 391235	35962	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	62204	140368	254079	15324 365422	33190	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	1598 71498	4221 163850	293064	18014 416919	38514	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	5040 190590	11808 427446	768345	49461 1082491	107081	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	1774 76416	4510 171493	306713	20264 431406	41699	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	59632	134499	247460	15643 355292	33060	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	979 42598	2440 91705	176683	10559 257379	23356	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Caprolactam	NPT	Ave	7897	428 +++++	803 +++++	2010 +++++	4446	3.20	0.200 +++++	0.400 +++++	1.00 +++++	2.00
4-Chloro-3-methylphenol	NPT	Ave	49032	111969	200001	12267 285829	26676	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave		7515		34245	71663		0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			130648	285460	521219	742633		4.00	10.0	16.0	24.0	
1-Methylnaphthalene	NPT	Ave	117875	7030 262789	479499	30815 674974	65405	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	48843	113608	221737	12834 316870	26682	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	68323	151937	289291	18122 414078	38133	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	82004	4737 185637	342546	20512 495892	42923	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	43289	2101 95772	185202	11356 266263	23390	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	47876	105673	204388	12705 287422	26779	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	162745	358163	654874	43418 926785	91132	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	130872	284391	530457	34294 752654	71479	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	93705	199321	394592	24044 569897	49425	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	34805	80211	147060	8444 213153	18414	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	102522	228532	415176	25187 598939	52864	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	140331	305630	561997	37014 802420	76924	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	44630	94229	173392	11133 250725	22279	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	29192	1363 63981	122133	6773 175758	15538	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	197447	413166	808149	50696 1130934	108978	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	28141	62665	113353	6662 161801	14720	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	118930	265537	521459	31587 754087	61943	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave				30607	64228				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			116791	253595	466103	660386		4.00	10.0	16.0	24.0	
2,4-Dinitrophenol	ANT	Lin2				420	13558				2.00	4.00
			29484	71804	150398	218495		8.00	20.0	32.0	48.0	
4-Nitrophenol	ANT	Ave				9030	20524				2.00	4.00
			39330	90896	157798	228139		8.00	20.0	32.0	48.0	
2,4-Dinitrotoluene	ANT	Ave		1638		8634	20178		0.200		1.00	2.00
			38592	85211	154447	226739		4.00	10.0	16.0	24.0	
Dibenzofuran	ANT	Ave				48203	99384				1.00	2.00
			180927	390812	730302	1037034		4.00	10.0	16.0	24.0	
2,3,4,6-Tetrachlorophenol	ANT	Ave				8219	17832				1.00	2.00
			34605	79449	145520	206057		4.00	10.0	16.0	24.0	
Diethyl phthalate	ANT	Ave				35424	71910				1.00	2.00
			134645	290184	520020	749471		4.00	10.0	16.0	24.0	
Fluorene	ANT	Ave				37390	78381				1.00	2.00
			141411	306746	570448	820120		4.00	10.0	16.0	24.0	
4-Chlorophenyl phenyl ether	ANT	Ave				19328	39424				1.00	2.00
			72409	155415	291056	411065		4.00	10.0	16.0	24.0	
4-Nitroaniline	ANT	Ave				6585	14547				1.00	2.00
			27573	60058	110262	157060		4.00	10.0	16.0	24.0	
4,6-Dinitro-2-methylphenol	PHN	Ave				7364	18132				2.00	4.00
			39607	96445	182016	265226		8.00	20.0	32.0	48.0	
N-Nitrosodiphenylamine	PHN	Ave				26785	56096				1.00	2.00
			102856	224278	409179	587027		4.00	10.0	16.0	24.0	
1,2-Diphenylhydrazine	PHN	Ave				28134	59361				1.00	2.00
			110260	246834	432781	618517		4.00	10.0	16.0	24.0	
Azobenzene	PHN	Ave				28134	59361				1.00	2.00
			110260	246834	432781	618467		4.00	10.0	16.0	24.0	
4-Bromophenyl phenyl ether	PHN	Ave				10820	22384				1.00	2.00
			42436	91097	169672	241203		4.00	10.0	16.0	24.0	
Hexachlorobenzene	PHN	Ave	1299	3196		14429	29436	0.100	0.200		1.00	2.00
			54438	116323	219238	316222		4.00	10.0	16.0	24.0	
Atrazine	PHN	Ave		2113	4015	9633	19478		0.200	0.400	1.00	2.00
			31324	35550	47975	60688		3.20	4.00	4.80	6.40	
Pentachlorophenol	PHN	Ave				11721	25890				2.00	4.00
			52794	128742	240602	356739		8.00	20.0	32.0	48.0	
Pentachloronitrobenzene	PHN	Ave				4396	9640				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			18993	42841	80757	116418		4.00	10.0	16.0	24.0	
n-Octadecane	PHN	Ave	59910	138999	236065	15255 336641	31435	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	210374	446574	802627	56215 1141693	114418	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	210342	456573	822605	56399 1173704	113183	4.00	10.0	16.0	1.00 24.0	2.00
Carbazole	PHN	Ave	182915	384120	684814	47737 974906	98634	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	194005	430697	763108	47830 1111429	101051	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	211938	11747 458138	794848	55333 1136419	114416	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	100916	217637	415505	25955 647779	50439	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	217368	12201 461830	820821	56264 1164099	117321	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Ave	70358	196272	344219	16770 542508	36882	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	66753	157913	280100	15644 410426	34605	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		716					0.100			
Carbamazepine	CRY	Ave	36057	74845	173824	7682 267244	17066	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	63626	2924 164603	274402	15285 435153	31142	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	5068 176618	10605 390475	673431	45623 999932	96164	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	168458	10383 382758	649757	47293 959134	95700	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	101730	4923 241263	428447	22837 627351	51791	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	151050	389103	681211	31725 1049280	75100	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	3878	9185		44949	90096	0.100	0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			169758	455119	773608	1276081		4.00	10.0	16.0	24.0	
Benzo[k]fluoranthene	PRY	Ave	4092 174013	8891 458325	777816	44037 1296909	92474	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	3447 165292	8000 466827	793306	40219 1352863	86068	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	4330 188771	9513 609159	998357	47786 1793855	100090	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	4531 200155	10158 611653	1059771	51903 1891448	107447	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	216165	668912	1104149	53696 1958830	113402	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd 4	Ave	67970	4645 157067	271197	16784 410992	33583	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Phenol-d5 (Surr)	DCBd 4	Ave	2177 79127	5085 176848	313605	19336 465777	39075	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	1647 67923	4398 155187	284111	16066 412035	32830	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	4938 169514	11079 358410	683440	42274 984461	83779	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	29774	1432 63991	127299	6736 184643	13671	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	4705 177550	10971 372254	657544	44939 942037	86860	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 891145

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/02/2023 15:43 Calibration End Date: 02/02/2023 18:36 Calibration ID: 92289

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-891145/10	N41483.d
Level 2	STD02 460-891145/9	N41482.d
Level 3	STD04 460-891145/8	N41481.d
Level 4	STD1 460-891145/7	N41480.d
Level 5	STD2 460-891145/6	N41479.d
Level 6	STD4 460-891145/5	N41478.d
Level 7	ICIS 460-891145/2	N41475.d
Level 8	STD16 460-891145/4	N41477.d
Level 9	STD24 460-891145/3	N41476.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzoic acid				18.9						30		
2,4-Dinitrophenol				-4.7						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41475.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 02-Feb-2023 15:43:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-002
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:03 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 02-Feb-2023 16:08:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.916	1.916	0.000	95	60130	10.0	10.2	
2 N-Nitrosodimethylamine	74	2.127	2.127	0.000	84	88463	10.0	10.1	
3 Pyridine	79	2.168	2.168	0.000	92	273569	20.0	19.5	
$ 4 2-Fluorophenol	112	3.241	3.241	0.000	96	157067	10.0	9.81	
5 Benzaldehyde	77	4.077	4.077	0.000	94	26098	4.00	2.10	
$ 6 Phenol-d5	99	4.112	4.112	0.000	96	176848	10.0	9.57	
7 Phenol	94	4.128	4.128	0.000	99	173876	10.0	9.68	
8 Aniline	93	4.173	4.173	0.000	99	217541	10.0	9.68	
9 Bis(2-chloroethyl)ether	93	4.233	4.233	0.000	97	130910	10.0	9.63	
10 Benzonitrile	103	4.256	4.256	0.000	98	292195	NC	NC	
11 2-Chlorophenol	128	4.288	4.288	0.000	96	159989	10.0	9.75	
12 n-Decane	43	4.336	4.336	0.000	93	162537	10.0	9.93	
13 1,3-Dichlorobenzene	146	4.438	4.438	0.000	96	197783	10.0	9.88	
* 14 1,4-Dichlorobenzene-d4	152	4.492	4.492	0.000	94	108446	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.508	4.508	0.000	95	203035	10.0	9.82	
16 Benzyl alcohol	108	4.613	4.613	0.000	93	90066	10.0	9.60	
17 1,2-Dichlorobenzene	146	4.652	4.652	0.000	97	187749	10.0	9.71	
18 2-Methylphenol	108	4.712	4.712	0.000	86	133135	10.0	9.84	
19 2,2'-oxybis[1-chloropropane]	45	4.748	4.748	0.000	92	178202	10.0	10.1	
23 3 & 4 Methylphenol	108	4.859	4.859	0.000	92	148897	10.0	9.95	
24 4-Methylphenol	108	4.859	4.859	0.000	91	148897	10.0	9.95	
20 N-Methylaniline	106	4.863	4.863	0.000	80	238925	10.0	9.66	a
22 N-Nitrosodi-n-propylamine	70	4.872	4.872	0.000	75	95572	10.0	10.0	
21 Acetophenone	105	4.875	4.875	0.000	87	217483	10.0	9.86	
25 Hexachloroethane	117	4.978	4.978	0.000	89	68158	10.0	10.2	
$ 27 Nitrobenzene-d5	82	5.016	5.016	0.000	87	155187	10.0	10.0	
28 Nitrobenzene	123	5.035	5.035	0.000	97	69030	10.0	10.3	
29 n,n'-Dimethylaniline	120	5.038	5.038	0.000	93	240226	10.0	9.94	
30 Isophorone	82	5.265	5.265	0.000	99	245597	10.0	10.3	
32 2-Nitrophenol	139	5.338	5.338	0.000	93	77660	10.0	10.3	
33 2,4-Dimethylphenol	122	5.373	5.373	0.000	90	127990	10.0	9.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.450	5.450	0.000	89	71787	10.0	9.65	
34 Bis(2-chloroethoxy)methane	93	5.472	5.472	0.000	98	156503	10.0	10.1	
36 2,4-Dichlorophenol	162	5.562	5.562	0.000	96	140368	10.0	9.91	
37 1,2,4-Trichlorobenzene	180	5.648	5.648	0.000	95	163850	10.0	10.2	
* 38 Naphthalene-d8	136	5.706	5.706	0.000	99	349455	8.00	8.00	
39 Naphthalene	128	5.725	5.725	0.000	98	427446	10.0	9.66	
40 4-Chloroaniline	127	5.773	5.773	0.000	96	171493	10.0	9.91	
130 2,6-Dichlorophenol	162	5.779	5.779	0.000	97	134499	10.0	9.69	
41 Hexachlorobutadiene	225	5.843	5.843	0.000	95	91705	10.0	9.56	
42 Caprolactam	113	6.095	6.095	0.000	91	9425	4.00	5.00	M
43 4-Chloro-3-methylphenol	107	6.229	6.229	0.000	96	111969	10.0	9.97	
44 2-Methylnaphthalene	142	6.386	6.386	0.000	82	285460	10.0	9.62	
45 1-Methylnaphthalene	142	6.478	6.478	0.000	90	262789	10.0	9.69	
46 Hexachlorocyclopentadiene	237	6.536	6.536	0.000	97	113608	10.0	10.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.542	6.542	0.000	97	151937	10.0	10.4	
48 2-tertbutyl-4-methylphenol	149	6.571	6.571	0.000	91	185637	10.0	9.90	
49 2,4,6-Trichlorophenol	196	6.648	6.648	0.000	93	95772	10.0	10.7	
50 2,4,5-Trichlorophenol	196	6.677	6.677	0.000	98	105673	10.0	10.4	
$ 51 2-Fluorobiphenyl	172	6.737	6.737	0.000	96	358410	10.0	10.1	
52 1,1'-Biphenyl	154	6.830	6.830	0.000	96	358163	10.0	10.5	
53 2-Chloronaphthalene	162	6.846	6.846	0.000	99	284391	10.0	10.5	
54 Phenyl ether	170	6.932	6.932	0.000	86	199321	10.0	10.2	
55 2-Nitroaniline	65	6.939	6.939	0.000	98	80211	10.0	11.0	
57 1,3-Dimethylnaphthalene	156	7.057	7.057	0.000	91	228532	10.0	10.9	
59 Dimethyl phthalate	163	7.124	7.124	0.000	99	305630	10.0	10.5	
60 Coumarin	146	7.137	7.137	0.000	79	94229	10.0	9.61	
61 2,6-Dinitrotoluene	165	7.172	7.172	0.000	96	63981	10.0	11.0	
62 Acenaphthylene	152	7.239	7.239	0.000	96	413166	10.0	10.1	
63 3-Nitroaniline	138	7.328	7.328	0.000	96	62665	10.0	10.9	
* 64 Acenaphthene-d10	164	7.373	7.373	0.000	94	184563	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.399	7.399	0.000	96	265537	10.0	10.4	
66 Acenaphthene	154	7.405	7.405	0.000	96	253595	10.0	10.5	
67 2,4-Dinitrophenol	184	7.428	7.428	0.000	95	71804	20.0	19.7	
68 4-Nitrophenol	65	7.479	7.479	0.000	89	90896	20.0	22.6	
69 2,4-Dinitrotoluene	165	7.552	7.552	0.000	97	85211	10.0	11.4	
70 Dibenzofuran	168	7.568	7.568	0.000	96	390812	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.680	7.680	0.000	94	79449	10.0	11.1	
73 Diethyl phthalate	149	7.795	7.795	0.000	98	290184	10.0	10.6	
75 Fluorene	166	7.894	7.894	0.000	92	306746	10.0	10.4	
74 4-Chlorophenyl phenyl ether	204	7.897	7.897	0.000	90	155415	10.0	10.4	
76 4-Nitroaniline	138	7.907	7.907	0.000	89	60058	10.0	10.7	
77 4,6-Dinitro-2-methylphenol	198	7.936	7.936	0.000	92	96445	20.0	23.4	
78 N-Nitrosodiphenylamine	169	8.006	8.006	0.000	94	224278	10.0	10.5	
131 Azobenzene	77	8.048	8.048	0.000	0	246834	10.0	10.8	
79 1,2-Diphenylhydrazine	77	8.048	8.048	0.000	95	246834	10.0	10.8	
$ 80 2,4,6-Tribromophenol	330	8.118	8.118	0.000	91	63991	10.0	11.0	
81 4-Bromophenyl phenyl ether	248	8.361	8.361	0.000	93	91097	10.0	10.5	
82 Hexachlorobenzene	284	8.409	8.409	0.000	96	116323	10.0	10.5	
83 Atrazine	200	8.517	8.517	0.000	93	35550	4.00	4.53	
84 Pentachlorophenol	266	8.594	8.594	0.000	93	128742	20.0	22.7	
85 Pentachloronitrobenzene	237	8.607	8.607	0.000	90	42841	10.0	10.9	
86 n-Octadecane	57	8.696	8.696	0.000	96	138999	10.0	11.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.779	8.779	0.000	98	336876	8.00	8.00	
88 Phenanthrene	178	8.802	8.802	0.000	97	446574	10.0	10.4	
89 Anthracene	178	8.853	8.853	0.000	98	456573	10.0	10.5	
90 Carbazole	167	9.000	9.000	0.000	96	384120	10.0	10.4	
91 Di-n-butyl phthalate	149	9.351	9.351	0.000	99	430697	10.0	10.8	
92 Fluoranthene	202	9.929	9.929	0.000	97	458138	10.0	10.8	
93 Benzidine	184	10.060	10.060	0.000	99	217637	10.0	10.3	
94 Pyrene	202	10.143	10.143	0.000	97	461830	10.0	10.2	
95 Bisphenol-A	213	10.197	10.197	0.000	97	196272	10.0	11.6	
$ 96 Terphenyl-d14	244	10.306	10.306	0.000	98	372254	10.0	10.1	
97 Butyl benzyl phthalate	149	10.827	10.827	0.000	95	157913	10.0	11.0	
98 2,3,7,8-TCDD	320	10.900	10.900	0.000	87	716	0.1000	0.1000	
99 Carbamazepine	193	10.926	10.926	0.000	91	74845	10.0	9.49	
100 3,3'-Dichlorobenzidine	252	11.405	11.405	0.000	98	164603	10.0	12.0	
101 Benzo[a]anthracene	228	11.424	11.424	0.000	97	390475	10.0	10.2	
* 102 Chrysene-d12	240	11.437	11.437	0.000	98	254762	8.00	8.00	
104 Chrysene	228	11.469	11.469	0.000	97	382758	10.0	10.4	
103 Bis(2-ethylhexyl) phthalate	149	11.511	11.511	0.000	84	241263	10.0	11.4	
105 Di-n-octyl phthalate	149	12.377	12.377	0.000	96	389103	10.0	10.6	
106 Benzo[b]fluoranthene	252	12.831	12.831	0.000	97	455119	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.869	12.869	0.000	97	458325	10.0	10.4	
108 Benzo[a]pyrene	252	13.288	13.288	0.000	97	466827	10.0	11.1	
* 109 Perylene-d12	264	13.368	13.368	0.000	100	321539	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.984	14.984	0.000	97	609159	10.0	11.8	
111 Dibenz(a,h)anthracene	278	15.035	15.035	0.000	98	611653	10.0	11.2	
112 Benzo[g,h,i]perylene	276	15.439	15.439	0.000	97	668912	10.0	11.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 03-Feb-2023 13:46:05 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41475.d

Injection Date: 02-Feb-2023 15:43:30 Instrument ID: CBNAMS14 Operator ID:

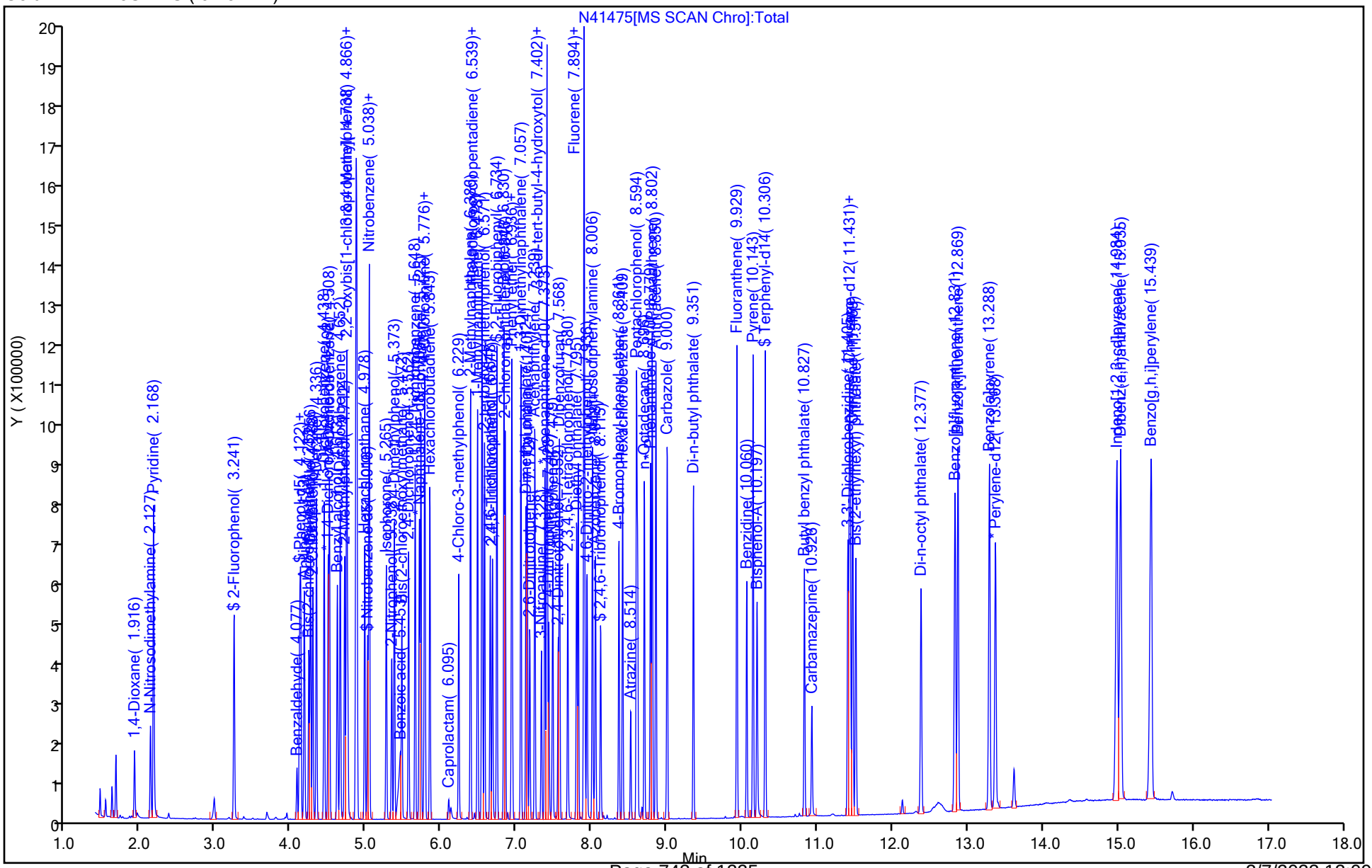
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

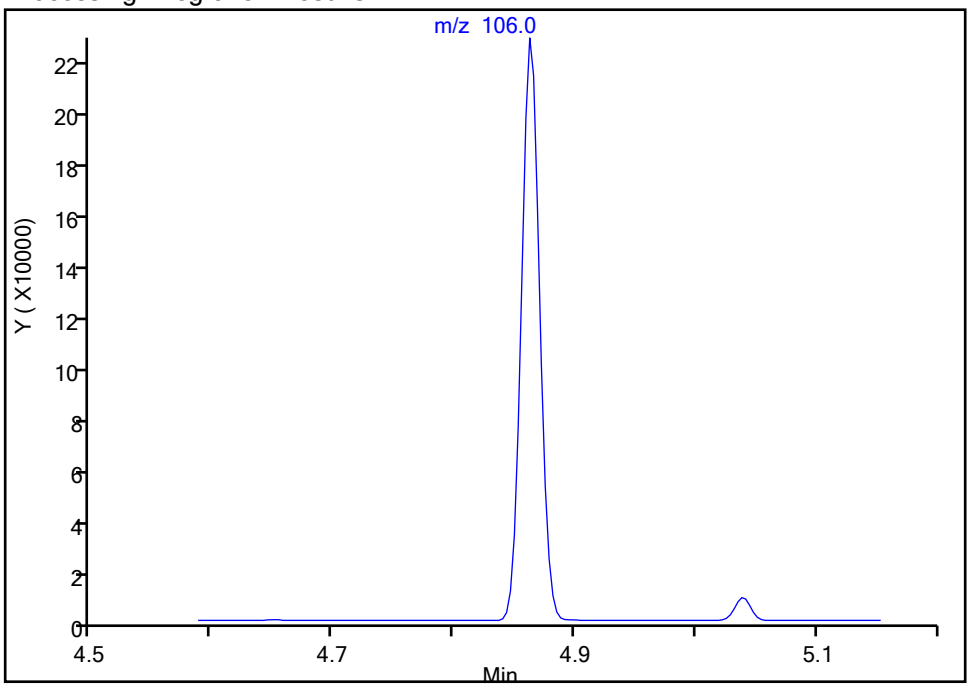
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41475.d
Injection Date: 02-Feb-2023 15:43:30 Instrument ID: CBNAMS14
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

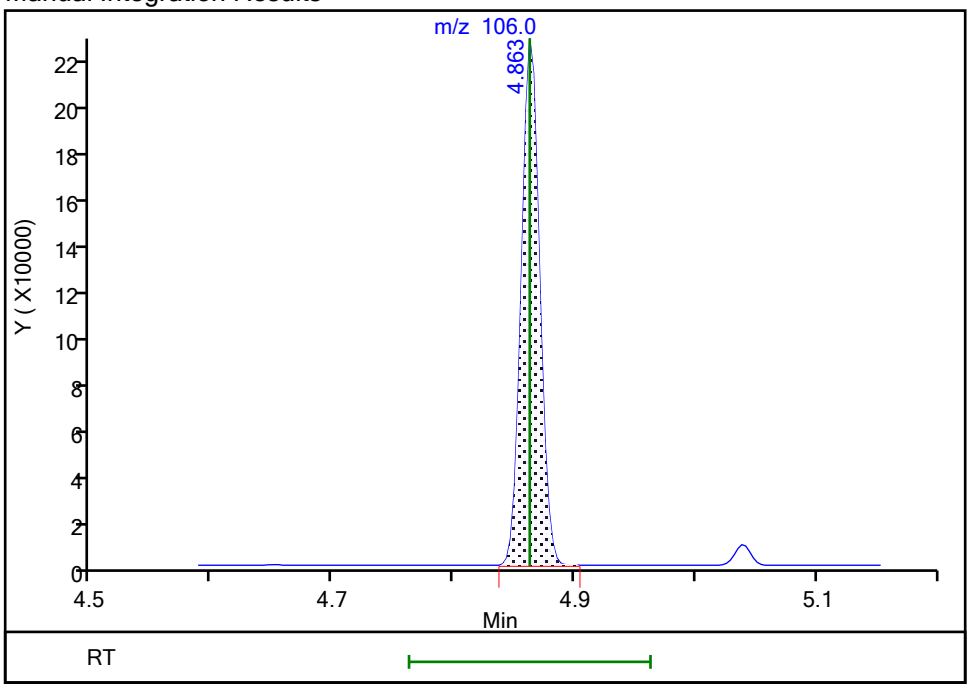
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 238925
Amount: 9.657772
Amount Units: ug/ml



Reviewer: LKI7, 02-Feb-2023 16:08:40
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

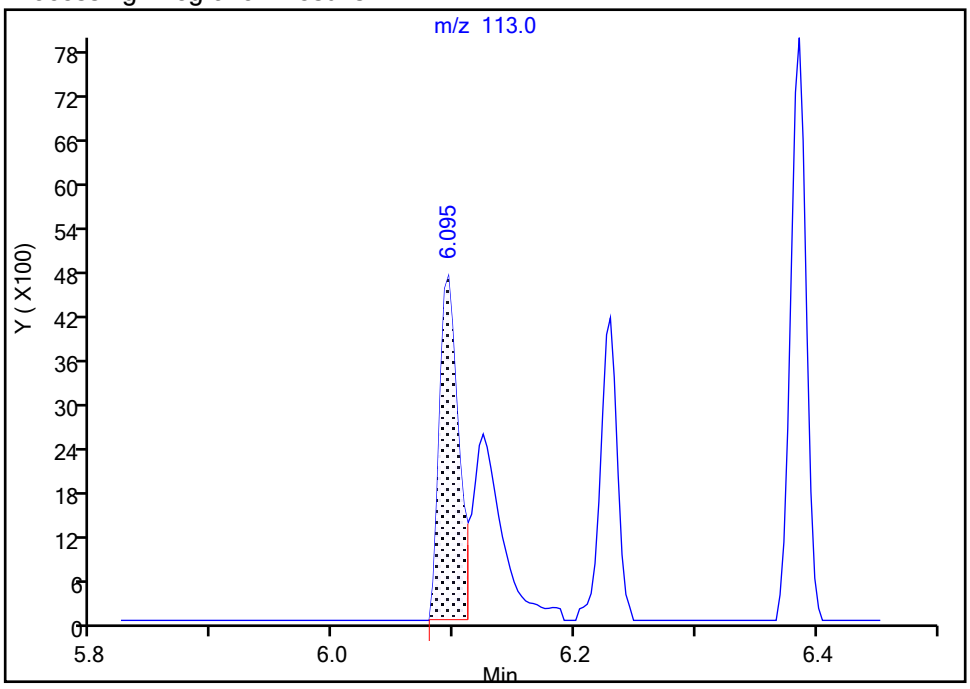
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41475.d
Injection Date: 02-Feb-2023 15:43:30 Instrument ID: CBNAMS14
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

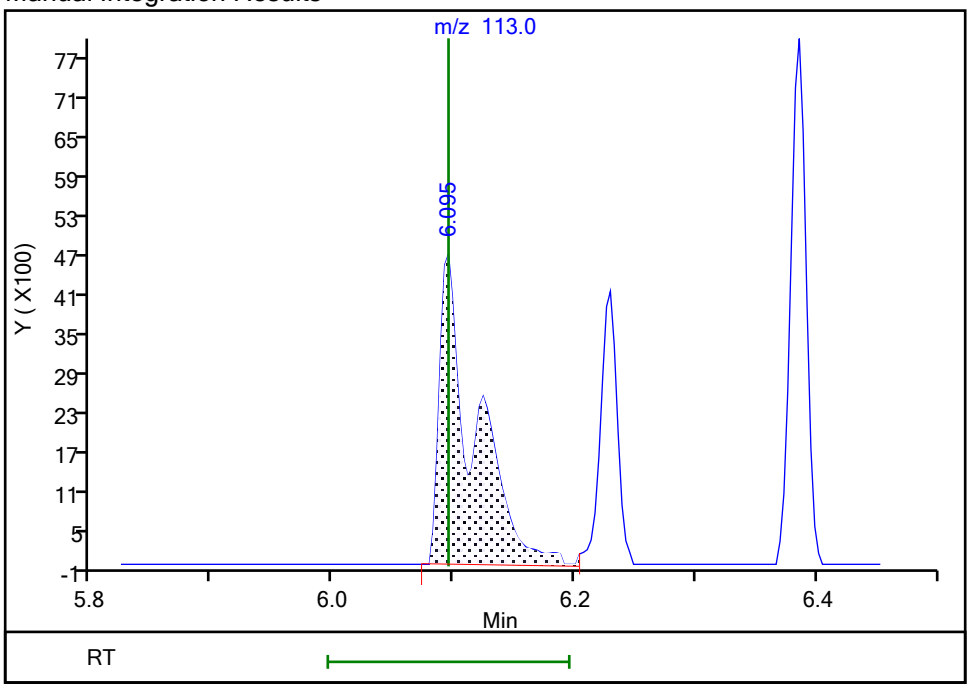
Processing Integration Results

RT: 6.10
Area: 5200
Amount: 4.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.10
Area: 9425
Amount: 4.997159
Amount Units: ug/ml



Reviewer: LKI7, 02-Feb-2023 16:08:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41476.d
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 02-Feb-2023 16:04:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-003
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:08 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:13:37

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.923	1.916	0.007	96	146533	24.0	22.5	
	2 N-Nitrosodimethylamine	74	2.140	2.127	0.013	84	231513	24.0	24.0	
	3 Pyridine	79	2.175	2.168	0.007	91	723700	48.0	46.7	
$	4 2-Fluorophenol	112	3.244	3.241	0.003	95	410992	24.0	23.2	
	5 Benzaldehyde	77	4.081	4.077	0.004	93	66935	6.40	4.88	
$	6 Phenol-d5	99	4.125	4.112	0.013	97	465777	24.0	22.8	
	7 Phenol	94	4.138	4.128	0.010	99	458530	24.0	23.1	
	8 Aniline	93	4.180	4.173	0.007	99	579942	24.0	23.4	
	9 Bis(2-chloroethyl)ether	93	4.243	4.233	0.010	96	346385	24.0	23.1	
	10 Benzonitrile	103	4.272	4.256	0.016	98	780506	NC	NC	
	11 2-Chlorophenol	128	4.295	4.288	0.007	97	424078	24.0	23.4	
	12 n-Decane	43	4.339	4.336	0.003	93	428296	24.0	23.7	
	13 1,3-Dichlorobenzene	146	4.442	4.438	0.004	95	509419	24.0	23.0	
*	14 1,4-Dichlorobenzene-d4	152	4.496	4.492	0.004	95	119790	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.512	4.508	0.004	95	519003	24.0	22.7	
	16 Benzyl alcohol	108	4.624	4.613	0.011	93	242455	24.0	23.4	
	17 1,2-Dichlorobenzene	146	4.656	4.652	0.004	96	487366	24.0	22.8	
	18 2-Methylphenol	108	4.720	4.712	0.008	85	341846	24.0	22.9	
	19 2,2'-oxybis[1-chloropropane]	45	4.755	4.748	0.007	92	444984	24.0	22.9	
	23 3 & 4 Methylphenol	108	4.873	4.859	0.014	96	365143	24.0	22.1	
	24 4-Methylphenol	108	4.873	4.859	0.014	92	365143	24.0	22.1	
	20 N-Methylaniline	106	4.870	4.863	0.007	84	651299	24.0	23.8	a
	22 N-Nitrosodi-n-propylamine	70	4.886	4.872	0.014	92	243461	24.0	23.1	
	21 Acetophenone	105	4.883	4.875	0.008	91	525050	24.0	21.6	
	25 Hexachloroethane	117	4.978	4.978	0.000	86	174866	24.0	23.7	
$	27 Nitrobenzene-d5	82	5.023	5.016	0.007	89	412035	24.0	24.2	
	28 Nitrobenzene	123	5.046	5.035	0.011	99	175465	24.0	23.6	
	29 n,n'-Dimethylaniline	120	5.046	5.038	0.008	88	610860	24.0	22.9	
	30 Isophorone	82	5.275	5.265	0.010	99	628260	24.0	23.9	
	32 2-Nitrophenol	139	5.343	5.338	0.004	92	206329	24.0	24.7	
	33 2,4-Dimethylphenol	122	5.378	5.373	0.005	89	325222	24.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.502	5.450	0.052	88	213457	24.0	24.1	
34 Bis(2-chloroethoxy)methane	93	5.477	5.472	0.005	98	391235	24.0	23.0	
36 2,4-Dichlorophenol	162	5.566	5.562	0.004	96	365422	24.0	23.4	
37 1,2,4-Trichlorobenzene	180	5.653	5.648	0.004	94	416919	24.0	23.4	
* 38 Naphthalene-d8	136	5.707	5.706	0.001	99	385799	8.00	8.00	
39 Naphthalene	128	5.729	5.725	0.004	98	1082491	24.0	22.2	
40 4-Chloroaniline	127	5.780	5.773	0.007	97	431406	24.0	22.6	
130 2,6-Dichlorophenol	162	5.784	5.779	0.005	98	355292	24.0	23.2	
41 Hexachlorobutadiene	225	5.848	5.843	0.005	97	257379	24.0	24.3	
42 Caprolactam	113	6.234	6.095	0.139	90	25523	6.40	12.3	M
43 4-Chloro-3-methylphenol	107	6.234	6.229	0.005	95	285829	24.0	23.0	
44 2-Methylnaphthalene	142	6.387	6.386	0.001	82	742633	24.0	22.7	
45 1-Methylnaphthalene	142	6.480	6.478	0.002	90	674974	24.0	22.5	
46 Hexachlorocyclopentadiene	237	6.538	6.536	0.002	98	316870	24.0	24.5	
47 1,2,4,5-Tetrachlorobenzene	216	6.544	6.542	0.002	97	414078	24.0	23.5	
48 2-tertbutyl-4-methylphenol	149	6.576	6.571	0.005	91	495892	24.0	24.0	
49 2,4,6-Trichlorophenol	196	6.650	6.648	0.002	93	266263	24.0	24.7	
50 2,4,5-Trichlorophenol	196	6.682	6.677	0.005	98	287422	24.0	23.3	
$ 51 2-Fluorobiphenyl	172	6.739	6.737	0.002	96	984461	24.0	23.1	
52 1,1'-Biphenyl	154	6.835	6.830	0.005	96	926785	24.0	22.5	
53 2-Chloronaphthalene	162	6.851	6.846	0.005	99	752654	24.0	22.9	
54 Phenyl ether	170	6.934	6.932	0.002	87	569897	24.0	24.2	
55 2-Nitroaniline	65	6.947	6.939	0.008	98	213153	24.0	24.1	
57 1,3-Dimethylnaphthalene	156	7.059	7.057	0.002	92	598939	24.0	23.6	
59 Dimethyl phthalate	163	7.129	7.124	0.005	99	802420	24.0	22.8	
60 Coumarin	146	7.145	7.137	0.008	80	250725	24.0	23.2	
61 2,6-Dinitrotoluene	165	7.180	7.172	0.008	95	175758	24.0	25.0	
62 Acenaphthylene	152	7.244	7.239	0.005	97	1130934	24.0	23.0	
63 3-Nitroaniline	138	7.337	7.328	0.009	96	161801	24.0	23.4	
* 64 Acenaphthene-d10	164	7.375	7.373	0.002	96	223085	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.404	7.399	0.005	96	754087	24.0	24.5	
66 Acenaphthene	154	7.411	7.405	0.006	96	660386	24.0	22.6	
67 2,4-Dinitrophenol	184	7.436	7.428	0.008	94	218495	48.0	46.8	
68 4-Nitrophenol	65	7.491	7.479	0.012	88	228139	48.0	47.0	
69 2,4-Dinitrotoluene	165	7.558	7.552	0.006	97	226739	24.0	25.1	
70 Dibenzofuran	168	7.574	7.568	0.006	98	1037034	24.0	22.8	
72 2,3,4,6-Tetrachlorophenol	232	7.682	7.680	0.002	94	206057	24.0	23.8	
73 Diethyl phthalate	149	7.804	7.795	0.009	99	749471	24.0	22.6	
75 Fluorene	166	7.897	7.894	0.003	92	820120	24.0	23.0	
74 4-Chlorophenyl phenyl ether	204	7.900	7.897	0.003	90	411065	24.0	22.7	
76 4-Nitroaniline	138	7.922	7.907	0.015	86	157060	24.0	23.2	
77 4,6-Dinitro-2-methylphenol	198	7.945	7.936	0.009	92	265226	48.0	55.1	
78 N-Nitrosodiphenylamine	169	8.012	8.006	0.006	94	587027	24.0	23.5	
131 Azobenzene	77	8.050	8.048	0.002	0	618467	24.0	23.2	
79 1,2-Diphenylhydrazine	77	8.050	8.048	0.002	95	618517	24.0	23.2	
$ 80 2,4,6-Tribromophenol	330	8.121	8.118	0.003	92	184643	24.0	26.1	
81 4-Bromophenyl phenyl ether	248	8.360	8.361	-0.001	94	241203	24.0	23.7	
82 Hexachlorobenzene	284	8.412	8.409	0.003	95	316222	24.0	24.3	
83 Atrazine	200	8.517	8.517	0.000	93	60688	6.40	6.62	
84 Pentachlorophenol	266	8.597	8.594	0.003	93	356739	48.0	53.8	
85 Pentachloronitrobenzene	237	8.610	8.607	0.003	90	116418	24.0	25.3	
86 n-Octadecane	57	8.700	8.696	0.004	96	336641	24.0	23.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.779	8.779	0.000	97	393595	8.00	8.00	
88 Phenanthrene	178	8.805	8.802	0.003	96	1141693	24.0	22.7	
89 Anthracene	178	8.853	8.853	0.000	98	1173704	24.0	23.1	
90 Carbazole	167	9.003	9.000	0.003	96	974906	24.0	22.6	
91 Di-n-butyl phthalate	149	9.351	9.351	0.000	99	1111429	24.0	23.9	
92 Fluoranthene	202	9.930	9.929	0.001	97	1136419	24.0	22.8	
93 Benzidine	184	10.061	10.060	0.001	98	647779	24.0	26.2	
94 Pyrene	202	10.147	10.143	0.004	97	1164099	24.0	22.5	
95 Bisphenol-A	213	10.198	10.197	0.001	97	542508	24.0	28.0	
$ 96 Terphenyl-d14	244	10.307	10.306	0.001	98	942037	24.0	22.3	
97 Butyl benzyl phthalate	149	10.828	10.827	0.001	95	410426	24.0	24.8	
99 Carbamazepine	193	10.930	10.926	0.004	92	267244	24.0	29.5	
100 3,3'-Dichlorobenzidine	252	11.407	11.405	0.002	99	435153	24.0	27.6	
101 Benzo[a]anthracene	228	11.429	11.424	0.005	97	999932	24.0	22.8	
* 102 Chrysene-d12	240	11.442	11.437	0.005	99	292616	8.00	8.00	
104 Chrysene	228	11.474	11.469	0.005	97	959134	24.0	22.7	
103 Bis(2-ethylhexyl) phthalate	149	11.509	11.511	-0.002	84	627351	24.0	25.7	
105 Di-n-octyl phthalate	149	12.379	12.377	0.002	96	1049280	24.0	22.0	
106 Benzo[b]fluoranthene	252	12.839	12.831	0.008	97	1276081	24.0	22.5	
107 Benzo[k]fluoranthene	252	12.881	12.869	0.012	97	1296909	24.0	22.6	
108 Benzo[a]pyrene	252	13.300	13.288	0.012	97	1352863	24.0	24.8	
* 109 Perylene-d12	264	13.370	13.368	0.002	100	417281	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.003	14.984	0.019	97	1793855	24.0	26.7	
111 Dibenz(a,h)anthracene	278	15.054	15.035	0.019	99	1891448	24.0	26.7	
112 Benzo[g,h,i]perylene	276	15.471	15.439	0.031	97	1958830	24.0	25.1	
S 119 Total Cresols	1				0			45.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00005 Amount Added: 1.00 Units: mL

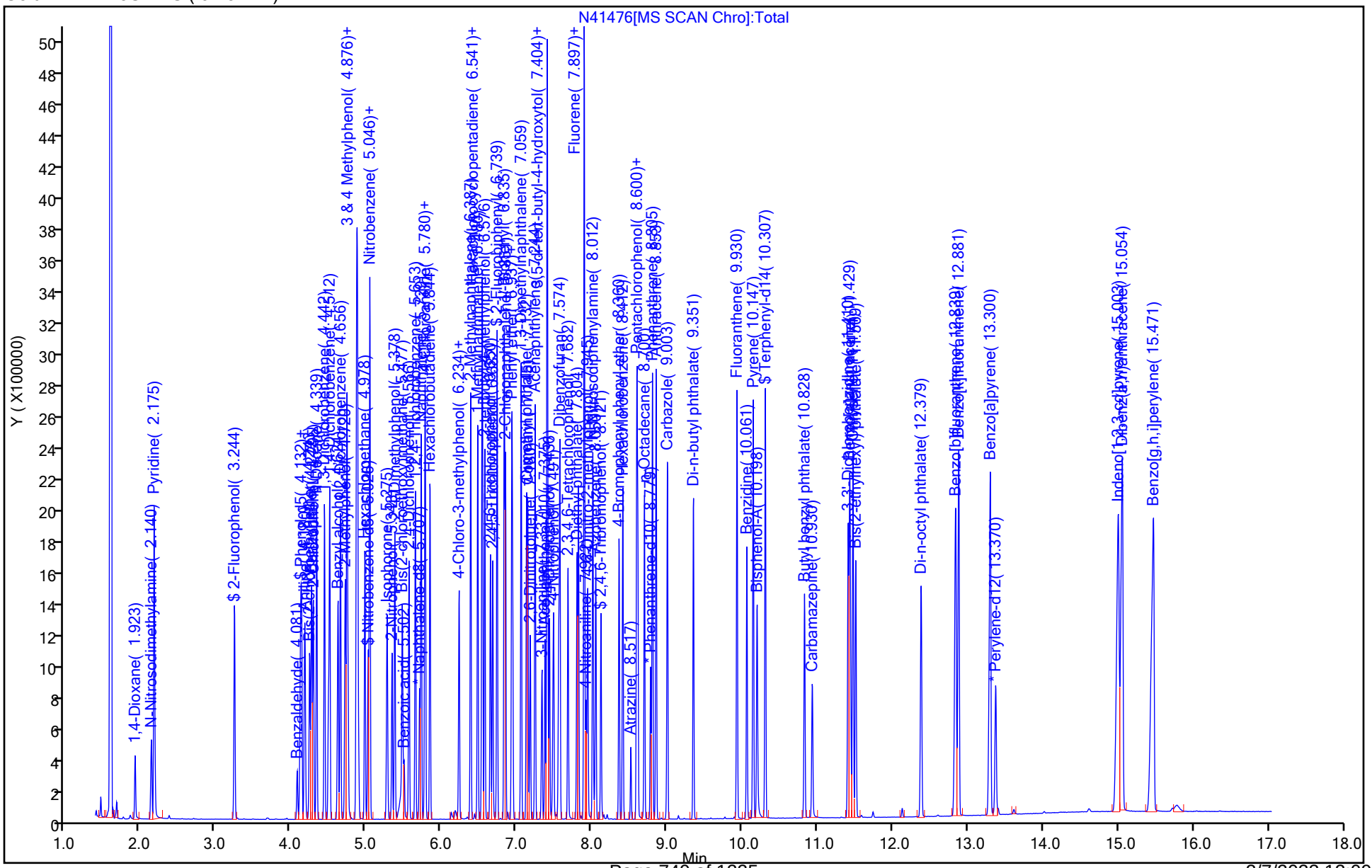
Report Date: 03-Feb-2023 13:46:10 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41476.d

Injection Date:	02-Feb-2023 16:04:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

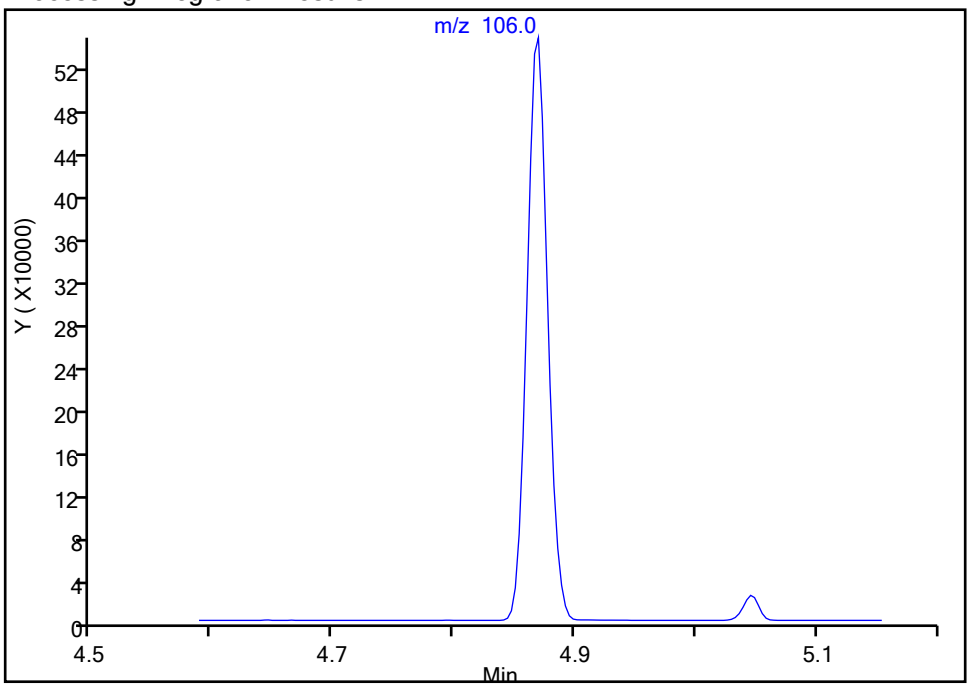
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41476.d				
Injection Date:	02-Feb-2023 16:04:30	Instrument ID:	CBNAMS14		
Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

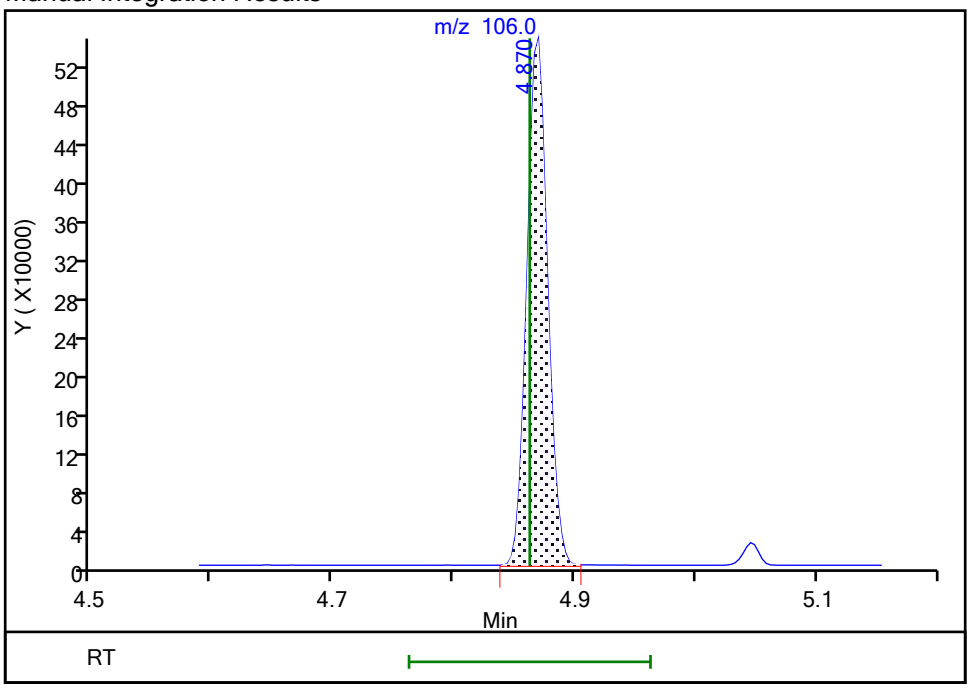
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 651299
Amount: 23.833551
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:13:12
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

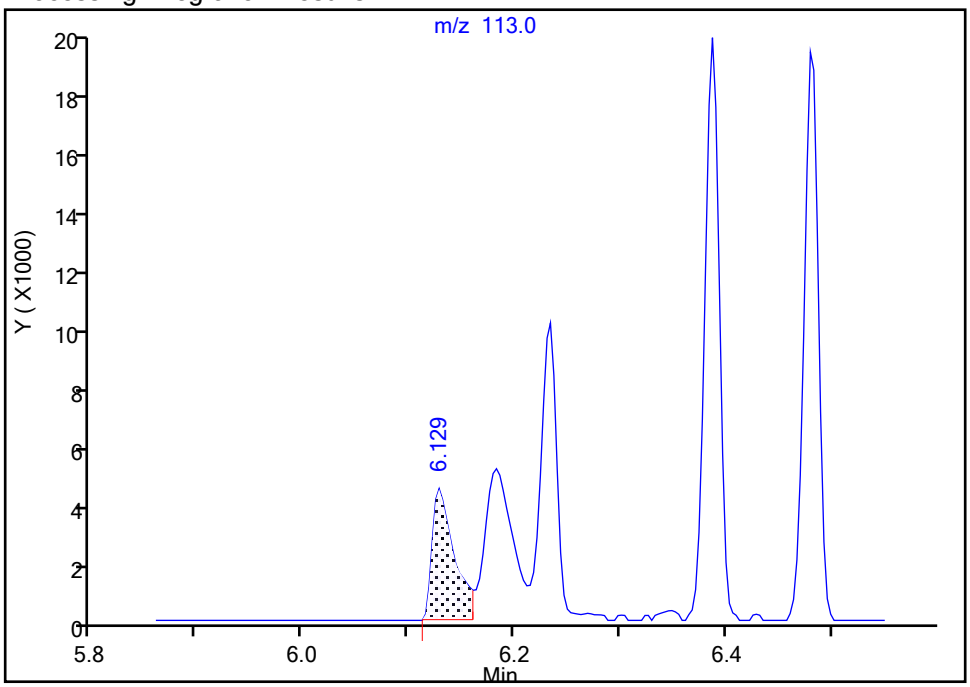
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41476.d
Injection Date: 02-Feb-2023 16:04:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

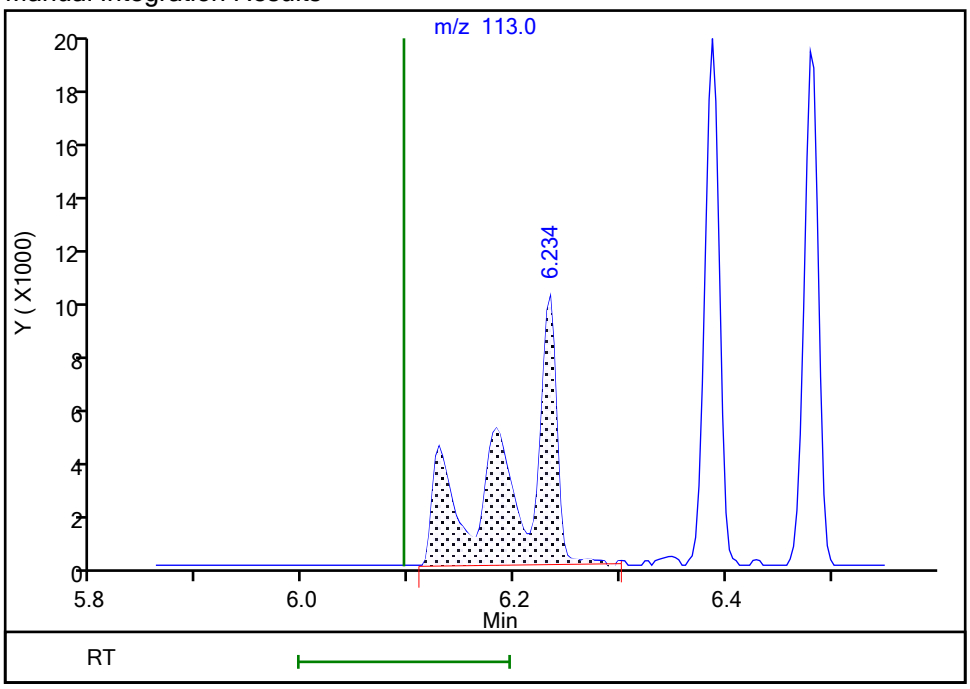
Processing Integration Results

RT: 6.13
Area: 6308
Amount: 3.344423
Amount Units: ug/ml



Manual Integration Results

RT: 6.23
Area: 25523
Amount: 12.257552
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:13:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41477.d
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 02-Feb-2023 16:26:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-004
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:14 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:12:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.920	1.916	0.004	96	95618	16.0	14.8	
2 N-Nitrosodimethylamine	74	2.133	2.127	0.006	84	151181	16.0	15.8	
3 Pyridine	79	2.172	2.168	0.004	91	486830	32.0	31.7	
$ 4 2-Fluorophenol	112	3.241	3.241	0.000	96	271197	16.0	15.5	
5 Benzaldehyde	77	4.077	4.077	0.000	93	57103	4.80	4.20	
$ 6 Phenol-d5	99	4.118	4.112	0.006	96	313605	16.0	15.5	
7 Phenol	94	4.134	4.128	0.006	99	307555	16.0	15.7	
8 Aniline	93	4.179	4.173	0.006	99	393104	16.0	16.0	
9 Bis(2-chloroethyl)ether	93	4.240	4.233	0.007	95	231167	16.0	15.6	
10 Benzonitrile	103	4.265	4.256	0.009	98	520708	NC	NC	
11 2-Chlorophenol	128	4.291	4.288	0.003	96	282623	16.0	15.8	
12 n-Decane	43	4.336	4.336	0.000	93	285051	16.0	15.9	
13 1,3-Dichlorobenzene	146	4.441	4.438	0.003	96	345963	16.0	15.8	
* 14 1,4-Dichlorobenzene-d4	152	4.492	4.492	0.000	94	118500	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.511	4.508	0.003	95	351256	16.0	15.5	
16 Benzyl alcohol	108	4.617	4.613	0.004	93	169342	16.0	16.5	
17 1,2-Dichlorobenzene	146	4.652	4.652	0.000	96	334431	16.0	15.8	
18 2-Methylphenol	108	4.716	4.712	0.004	86	234410	16.0	15.9	
19 2,2'-oxybis[1-chloropropane]	45	4.751	4.748	0.003	92	307392	16.0	16.0	
23 3 & 4 Methylphenol	108	4.866	4.859	0.007	97	260484	16.0	15.9	
24 4-Methylphenol	108	4.866	4.859	0.007	82	260484	16.0	15.9	
20 N-Methylaniline	106	4.866	4.863	0.003	76	448234	16.0	16.6	a
22 N-Nitrosodi-n-propylamine	70	4.879	4.872	0.007	91	172792	16.0	16.6	
21 Acetophenone	105	4.879	4.875	0.004	92	377207	16.0	15.7	
25 Hexachloroethane	117	4.978	4.978	0.000	87	118401	16.0	16.3	
$ 27 Nitrobenzene-d5	82	5.019	5.016	0.003	88	284111	16.0	16.5	
28 Nitrobenzene	123	5.042	5.035	0.007	93	123019	16.0	16.7	
29 n,n'-Dimethylaniline	120	5.042	5.038	0.004	98	420707	16.0	15.9	
30 Isophorone	82	5.268	5.265	0.003	99	440394	16.0	16.6	
32 2-Nitrophenol	139	5.339	5.338	0.001	92	142422	16.0	16.9	
33 2,4-Dimethylphenol	122	5.374	5.373	0.001	89	227967	16.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.479	5.450	0.029	88	146769	16.0	16.8	
34 Bis(2-chloroethoxy)methane	93	5.473	5.472	0.001	98	273535	16.0	15.9	
36 2,4-Dichlorophenol	162	5.566	5.562	0.004	96	254079	16.0	16.1	
37 1,2,4-Trichlorobenzene	180	5.649	5.648	0.001	94	293064	16.0	16.3	
* 38 Naphthalene-d8	136	5.706	5.706	0.000	99	389520	8.00	8.00	
39 Naphthalene	128	5.725	5.725	0.000	98	768345	16.0	15.6	
40 4-Chloroaniline	127	5.776	5.773	0.003	96	306713	16.0	15.9	
130 2,6-Dichlorophenol	162	5.783	5.779	0.004	98	247460	16.0	16.0	
41 Hexachlorobutadiene	225	5.844	5.843	0.001	96	176683	16.0	16.5	
42 Caprolactam	113	6.153	6.095	0.058	91	12977	4.80	6.17	M
43 4-Chloro-3-methylphenol	107	6.230	6.229	0.001	95	200001	16.0	16.0	
44 2-Methylnaphthalene	142	6.386	6.386	0.000	81	521219	16.0	15.8	
45 1-Methylnaphthalene	142	6.479	6.478	0.001	90	479499	16.0	15.9	
46 Hexachlorocyclopentadiene	237	6.537	6.536	0.001	98	221737	16.0	16.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.543	6.542	0.001	98	289291	16.0	16.1	
48 2-tertbutyl-4-methylphenol	149	6.572	6.571	0.001	91	342546	16.0	16.4	
49 2,4,6-Trichlorophenol	196	6.649	6.648	0.001	94	185202	16.0	16.9	
50 2,4,5-Trichlorophenol	196	6.677	6.677	0.000	98	204388	16.0	16.3	
$ 51 2-Fluorobiphenyl	172	6.738	6.737	0.001	96	683440	16.0	15.7	
52 1,1'-Biphenyl	154	6.831	6.830	0.001	96	654874	16.0	15.6	
53 2-Chloronaphthalene	162	6.847	6.846	0.001	99	530457	16.0	15.8	
54 Phenyl ether	170	6.933	6.932	0.001	86	394592	16.0	16.4	
55 2-Nitroaniline	65	6.943	6.939	0.004	98	147060	16.0	16.3	
57 1,3-Dimethylnaphthalene	156	7.058	7.057	0.001	92	415176	16.0	16.0	
59 Dimethyl phthalate	163	7.125	7.124	0.001	99	561997	16.0	15.6	
60 Coumarin	146	7.141	7.137	0.004	80	173392	16.0	15.9	
61 2,6-Dinitrotoluene	165	7.176	7.172	0.004	95	122133	16.0	17.0	
62 Acenaphthylene	152	7.240	7.239	0.001	97	808149	16.0	16.1	
63 3-Nitroaniline	138	7.333	7.328	0.005	96	113353	16.0	16.0	
* 64 Acenaphthene-d10	164	7.374	7.373	0.001	96	227607	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.400	7.399	0.001	96	521459	16.0	16.6	
66 Acenaphthene	154	7.406	7.405	0.001	95	466103	16.0	15.6	
67 2,4-Dinitrophenol	184	7.429	7.428	0.001	94	150398	32.0	32.2	
68 4-Nitrophenol	65	7.483	7.479	0.004	88	157798	32.0	31.9	
69 2,4-Dinitrotoluene	165	7.553	7.552	0.001	97	154447	16.0	16.7	
70 Dibenzofuran	168	7.569	7.568	0.001	96	730302	16.0	15.7	
72 2,3,4,6-Tetrachlorophenol	232	7.681	7.680	0.001	94	145520	16.0	16.5	
73 Diethyl phthalate	149	7.799	7.795	0.004	99	520020	16.0	15.3	
75 Fluorene	166	7.895	7.894	0.001	93	570448	16.0	15.7	
74 4-Chlorophenyl phenyl ether	204	7.899	7.897	0.002	91	291056	16.0	15.7	
76 4-Nitroaniline	138	7.915	7.907	0.008	85	110262	16.0	16.0	
77 4,6-Dinitro-2-methylphenol	198	7.940	7.936	0.004	92	182016	32.0	37.5	
78 N-Nitrosodiphenylamine	169	8.011	8.006	0.005	94	409179	16.0	16.2	
131 Azobenzene	77	8.049	8.048	0.001	0	432781	16.0	16.1	
79 1,2-Diphenylhydrazine	77	8.049	8.048	0.001	95	432781	16.0	16.1	
$ 80 2,4,6-Tribromophenol	330	8.119	8.118	0.001	91	127299	16.0	17.7	
81 4-Bromophenyl phenyl ether	248	8.359	8.361	-0.002	94	169672	16.0	16.5	
82 Hexachlorobenzene	284	8.410	8.409	0.001	95	219238	16.0	16.7	
83 Atrazine	200	8.515	8.517	-0.002	93	47975	4.80	5.19	
84 Pentachlorophenol	266	8.595	8.594	0.001	93	240602	32.0	36.0	
85 Pentachloronitrobenzene	237	8.608	8.607	0.001	91	80757	16.0	17.4	
86 n-Octadecane	57	8.698	8.696	0.002	96	236065	16.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.778	8.779	-0.001	97	397197	8.00	8.00	
88 Phenanthrene	178	8.803	8.802	0.001	96	802627	16.0	15.8	
89 Anthracene	178	8.851	8.853	-0.002	98	822605	16.0	16.0	
90 Carbazole	167	9.001	9.000	0.001	96	684814	16.0	15.7	
91 Di-n-butyl phthalate	149	9.350	9.351	-0.001	99	763108	16.0	16.3	
92 Fluoranthene	202	9.927	9.929	-0.002	97	794848	16.0	15.8	
93 Benzidine	184	10.058	10.060	-0.002	98	415505	16.0	16.7	
94 Pyrene	202	10.145	10.143	0.002	97	820821	16.0	16.2	
95 Bisphenol-A	213	10.196	10.197	-0.001	97	344219	16.0	18.2	
$ 96 Terphenyl-d14	244	10.305	10.306	-0.001	98	657544	16.0	15.9	
97 Butyl benzyl phthalate	149	10.826	10.827	-0.001	94	280100	16.0	17.3	
99 Carbamazepine	193	10.928	10.926	0.002	91	173824	16.0	19.6	
100 3,3'-Dichlorobenzidine	252	11.404	11.405	-0.001	98	274402	16.0	17.8	
101 Benzo[a]anthracene	228	11.426	11.424	0.002	97	673431	16.0	15.7	
* 102 Chrysene-d12	240	11.439	11.437	0.002	98	285972	8.00	8.00	
104 Chrysene	228	11.468	11.469	-0.001	97	649757	16.0	15.7	
103 Bis(2-ethylhexyl) phthalate	149	11.507	11.511	-0.004	84	428447	16.0	18.0	
105 Di-n-octyl phthalate	149	12.376	12.377	-0.001	96	681211	16.0	16.7	
106 Benzo[b]fluoranthene	252	12.830	12.831	-0.001	97	773608	16.0	16.0	
107 Benzo[k]fluoranthene	252	12.871	12.869	0.002	97	777816	16.0	15.9	
108 Benzo[a]pyrene	252	13.290	13.288	0.002	97	793306	16.0	17.0	
* 109 Perylene-d12	264	13.367	13.368	-0.001	100	355716	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.986	14.984	0.002	97	998357	16.0	17.4	
111 Dibenz(a,h)anthracene	278	15.038	15.035	0.003	97	1059771	16.0	17.5	
112 Benzo[g,h,i]perylene	276	15.447	15.439	0.008	97	1104149	16.0	16.6	
S 119 Total Cresols	1				0			31.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00006 Amount Added: 1.00 Units: mL

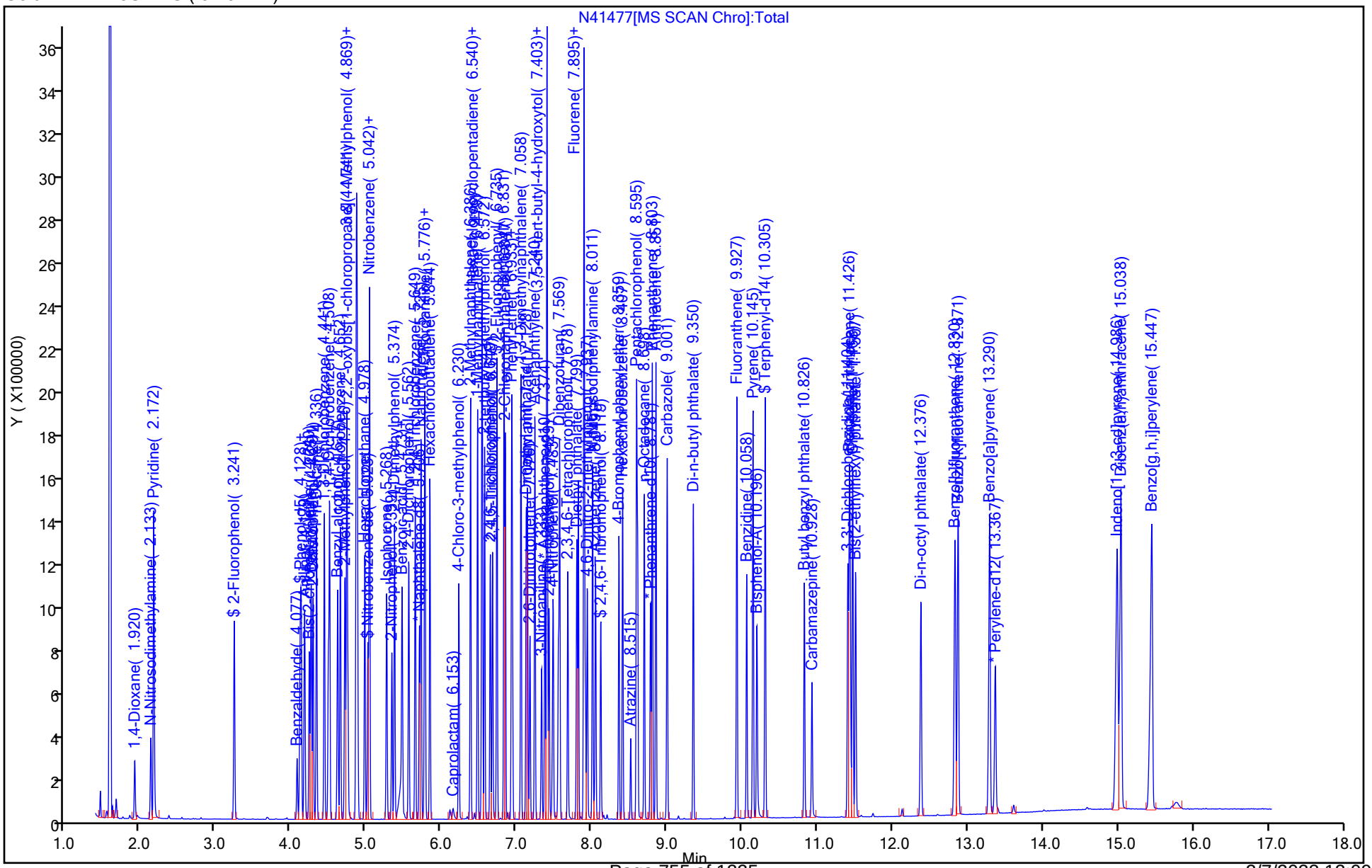
Report Date: 03-Feb-2023 13:46:17 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41477.d

Injection Date:	02-Feb-2023 16:26:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

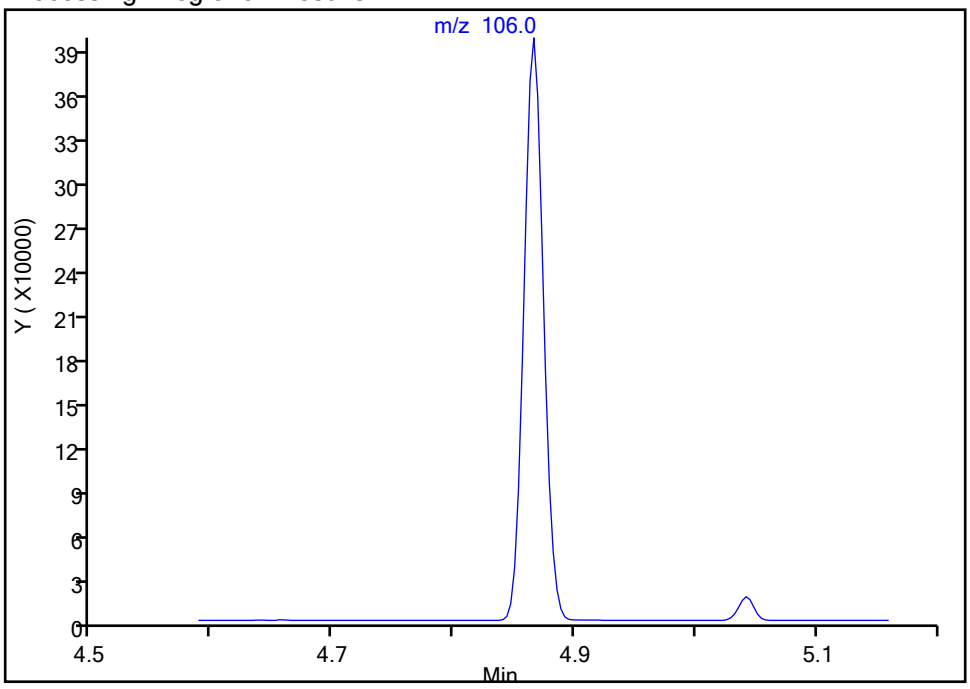
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41477.d				
Injection Date:	02-Feb-2023 16:26:30	Instrument ID:	CBNAMS14		
Lims ID:	STD16				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

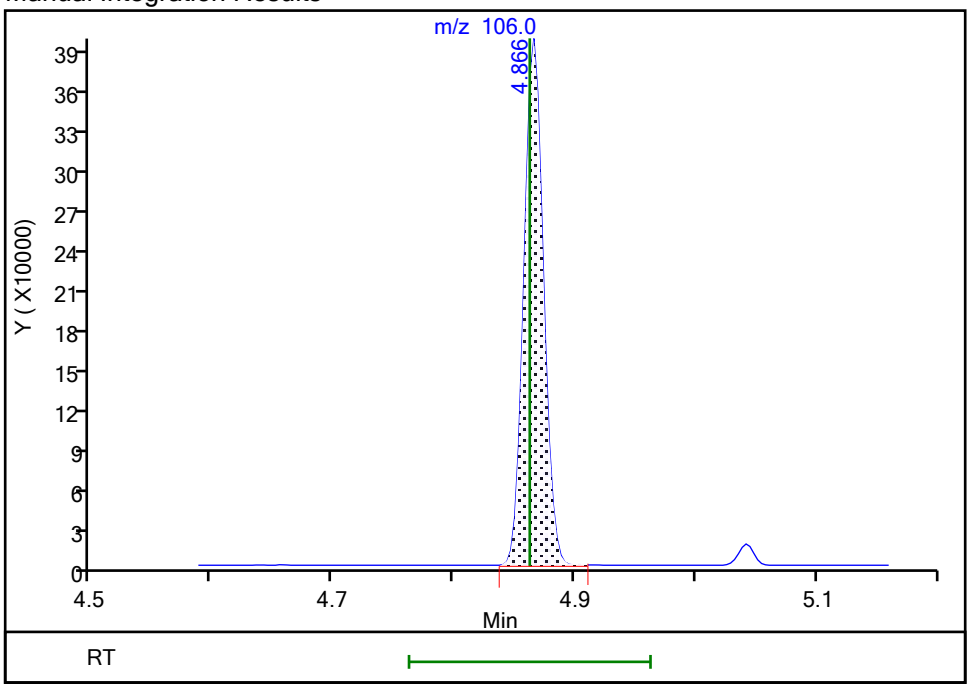
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 448234
Amount: 16.581177
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:12:51
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

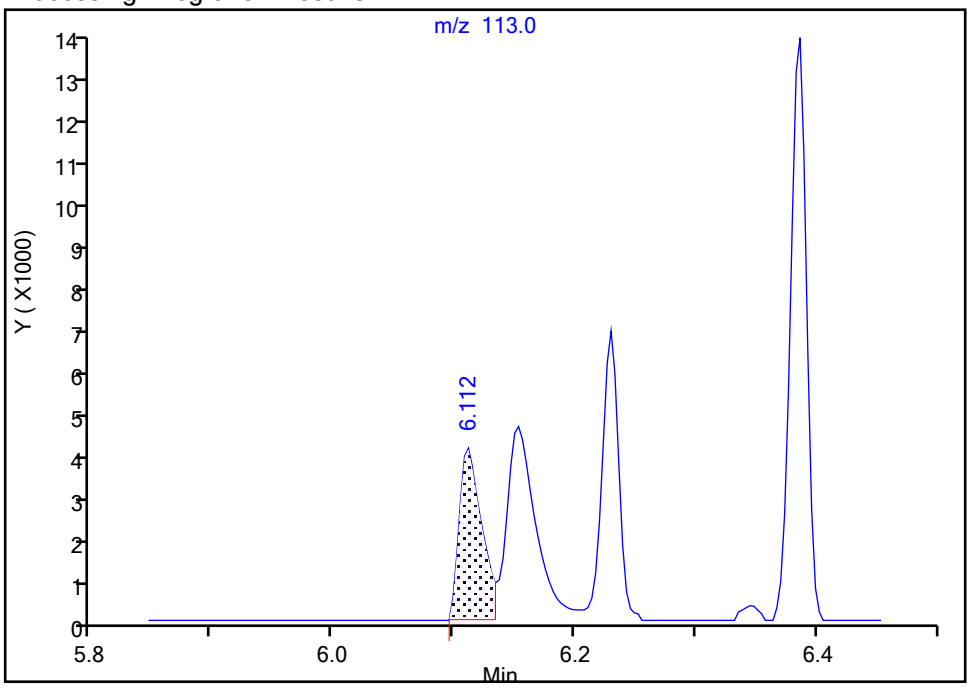
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41477.d
Injection Date: 02-Feb-2023 16:26:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

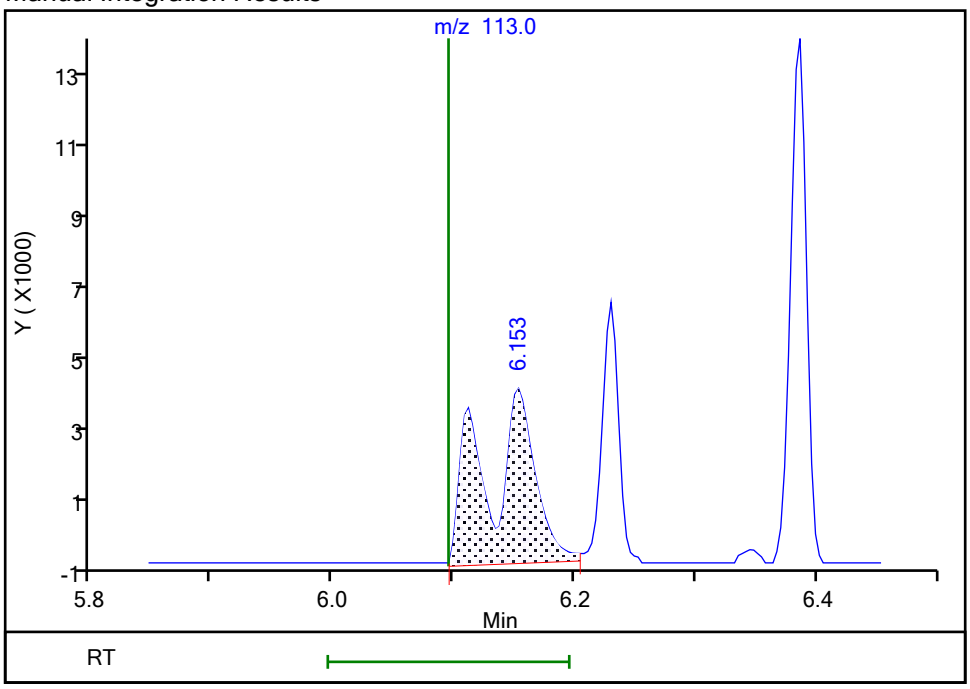
Processing Integration Results

RT: 6.11
Area: 5287
Amount: 2.315580
Amount Units: ug/ml



Manual Integration Results

RT: 6.15
Area: 12977
Amount: 6.172735
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:13:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41478.d
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 02-Feb-2023 16:48:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-005
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:20 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:12:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.923	1.923	0.000	95	25250	4.00	4.01	
2 N-Nitrosodimethylamine	74	2.133	2.133	0.000	84	36698	4.00	3.94	
3 Pyridine	79	2.175	2.175	0.000	92	121322	8.00	8.11	
$ 4 2-Fluorophenol	112	3.241	3.241	0.000	96	67970	4.00	3.98	
5 Benzaldehyde	77	4.077	4.077	0.000	93	41957	3.20	3.17	
$ 6 Phenol-d5	99	4.109	4.109	0.000	96	79127	4.00	4.02	
7 Phenol	94	4.121	4.121	0.000	99	74713	4.00	3.90	
8 Aniline	93	4.173	4.173	0.000	99	96020	4.00	4.01	
9 Bis(2-chloroethyl)ether	93	4.233	4.233	0.000	97	56069	4.00	3.87	
10 Benzonitrile	103	4.252	4.252	0.000	99	124958	NC	NC	
11 2-Chlorophenol	128	4.284	4.284	0.000	97	69186	4.00	3.96	
12 n-Decane	43	4.335	4.335	0.000	93	68379	4.00	3.92	
13 1,3-Dichlorobenzene	146	4.438	4.438	0.000	96	84859	4.00	3.98	
* 14 1,4-Dichlorobenzene-d4	152	4.492	4.492	0.000	94	115534	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.508	4.508	0.000	96	86529	4.00	3.93	
16 Benzyl alcohol	108	4.610	4.610	0.000	93	39088	4.00	3.91	
17 1,2-Dichlorobenzene	146	4.651	4.651	0.000	96	82316	4.00	4.00	
18 2-Methylphenol	108	4.709	4.709	0.000	86	58148	4.00	4.03	
19 2,2'-oxybis[1-chloropropane]	45	4.747	4.747	0.000	92	73731	4.00	3.93	
23 3 & 4 Methylphenol	108	4.856	4.856	0.000	91	63308	4.00	3.97	
24 4-Methylphenol	108	4.856	4.856	0.000	93	63308	4.00	3.97	
20 N-Methylaniline	106	4.859	4.859	0.000	83	111432	4.00	4.23	a
22 N-Nitrosodi-n-propylamine	70	4.869	4.869	0.000	84	41219	4.00	4.06	
21 Acetophenone	105	4.869	4.869	0.000	88	95021	4.00	4.04	
25 Hexachloroethane	117	4.977	4.977	0.000	86	28853	4.00	4.06	
$ 27 Nitrobenzene-d5	82	5.012	5.012	0.000	86	67923	4.00	4.03	
28 Nitrobenzene	123	5.032	5.032	0.000	93	29588	4.00	4.13	
29 n,n'-Dimethylaniline	120	5.035	5.035	0.000	94	104594	4.00	4.06	
30 Isophorone	82	5.261	5.261	0.000	99	104186	4.00	4.01	
32 2-Nitrophenol	139	5.335	5.335	0.000	93	32462	4.00	3.93	
33 2,4-Dimethylphenol	122	5.370	5.370	0.000	90	55617	4.00	3.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.424	5.424	0.000	89	21346	4.00	3.44	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	97	66451	4.00	3.95	
36 2,4-Dichlorophenol	162	5.558	5.558	0.000	96	62204	4.00	4.02	
37 1,2,4-Trichlorobenzene	180	5.648	5.648	0.000	94	71498	4.00	4.06	
* 38 Naphthalene-d8	136	5.702	5.702	0.000	99	381599	8.00	8.00	
39 Naphthalene	128	5.724	5.724	0.000	98	190590	4.00	3.95	
40 4-Chloroaniline	127	5.769	5.769	0.000	96	76416	4.00	4.04	
130 2,6-Dichlorophenol	162	5.776	5.776	0.000	98	59632	4.00	3.93	
41 Hexachlorobutadiene	225	5.843	5.843	0.000	96	42598	4.00	4.07	
42 Caprolactam	113	6.082	6.082	0.000	91	7897	3.20	3.83	
43 4-Chloro-3-methylphenol	107	6.226	6.226	0.000	96	49032	4.00	4.00	
44 2-Methylnaphthalene	142	6.382	6.382	0.000	81	130648	4.00	4.03	
45 1-Methylnaphthalene	142	6.478	6.478	0.000	90	117875	4.00	3.98	
46 Hexachlorocyclopentadiene	237	6.532	6.532	0.000	97	48843	4.00	3.70	
47 1,2,4,5-Tetrachlorobenzene	216	6.538	6.538	0.000	96	68323	4.00	3.80	
48 2-tertbutyl-4-methylphenol	149	6.570	6.570	0.000	91	82004	4.00	4.01	
49 2,4,6-Trichlorophenol	196	6.644	6.644	0.000	93	43289	4.00	3.93	
50 2,4,5-Trichlorophenol	196	6.676	6.676	0.000	98	47876	4.00	3.80	
$ 51 2-Fluorobiphenyl	172	6.733	6.733	0.000	96	169514	4.00	3.89	
52 1,1'-Biphenyl	154	6.829	6.829	0.000	96	162745	4.00	3.87	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	99	130872	4.00	3.90	
54 Phenyl ether	170	6.931	6.931	0.000	85	93705	4.00	3.89	
55 2-Nitroaniline	65	6.935	6.935	0.000	98	34805	4.00	3.86	
57 1,3-Dimethylnaphthalene	156	7.053	7.053	0.000	94	102522	4.00	3.95	
59 Dimethyl phthalate	163	7.120	7.120	0.000	99	140331	4.00	3.90	
60 Coumarin	146	7.133	7.133	0.000	80	44630	4.00	4.17	
61 2,6-Dinitrotoluene	165	7.168	7.168	0.000	95	29192	4.00	4.06	
62 Acenaphthylene	152	7.238	7.238	0.000	96	197447	4.00	3.93	
63 3-Nitroaniline	138	7.324	7.324	0.000	97	28141	4.00	3.98	
* 64 Acenaphthene-d10	164	7.372	7.372	0.000	97	227899	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.398	7.398	0.000	96	118930	4.00	3.79	
66 Acenaphthene	154	7.401	7.401	0.000	97	116791	4.00	3.91	
67 2,4-Dinitrophenol	184	7.423	7.423	0.000	95	29484	8.00	7.76	
68 4-Nitrophenol	65	7.471	7.471	0.000	89	39330	8.00	7.94	
69 2,4-Dinitrotoluene	165	7.548	7.548	0.000	97	38592	4.00	4.17	
70 Dibenzofuran	168	7.567	7.567	0.000	96	180927	4.00	3.89	
72 2,3,4,6-Tetrachlorophenol	232	7.676	7.676	0.000	94	34605	4.00	3.91	
73 Diethyl phthalate	149	7.791	7.791	0.000	99	134645	4.00	3.97	
75 Fluorene	166	7.890	7.890	0.000	92	141411	4.00	3.88	
74 4-Chlorophenyl phenyl ether	204	7.896	7.896	0.000	90	72409	4.00	3.91	
76 4-Nitroaniline	138	7.899	7.899	0.000	87	27573	4.00	3.99	
77 4,6-Dinitro-2-methylphenol	198	7.931	7.931	0.000	91	39607	8.00	7.69	
78 N-Nitrosodiphenylamine	169	8.005	8.005	0.000	94	102856	4.00	3.85	
131 Azobenzene	77	8.043	8.043	0.000	0	110260	4.00	3.87	
79 1,2-Diphenylhydrazine	77	8.043	8.043	0.000	95	110260	4.00	3.87	
$ 80 2,4,6-Tribromophenol	330	8.114	8.114	0.000	91	29774	4.00	4.13	
81 4-Bromophenyl phenyl ether	248	8.356	8.356	0.000	94	42436	4.00	3.89	
82 Hexachlorobenzene	284	8.404	8.404	0.000	96	54438	4.00	3.91	
83 Atrazine	200	8.513	8.513	0.000	94	31324	3.20	3.20	
84 Pentachlorophenol	266	8.589	8.589	0.000	93	52794	8.00	7.45	
85 Pentachloronitrobenzene	237	8.605	8.605	0.000	90	18993	4.00	3.85	
86 n-Octadecane	57	8.695	8.695	0.000	96	59910	4.00	3.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.778	8.778	0.000	97	421079	8.00	8.00	
88 Phenanthrene	178	8.800	8.800	0.000	96	210374	4.00	3.91	
89 Anthracene	178	8.848	8.848	0.000	98	210342	4.00	3.87	
90 Carbazole	167	8.998	8.998	0.000	96	182915	4.00	3.96	
91 Di-n-butyl phthalate	149	9.346	9.346	0.000	99	194005	4.00	3.91	
92 Fluoranthene	202	9.924	9.924	0.000	97	211938	4.00	3.98	
93 Benzidine	184	10.055	10.055	0.000	98	100916	4.00	3.82	
94 Pyrene	202	10.141	10.141	0.000	97	217368	4.00	4.05	
95 Bisphenol-A	213	10.192	10.192	0.000	98	70358	4.00	3.50	
$ 96 Terphenyl-d14	244	10.301	10.301	0.000	98	177550	4.00	4.06	
97 Butyl benzyl phthalate	149	10.822	10.822	0.000	95	66753	4.00	3.89	
99 Carbamazepine	193	10.921	10.921	0.000	90	36057	4.00	3.84	
100 3,3'-Dichlorobenzidine	252	11.400	11.400	0.000	98	63626	4.00	3.90	
101 Benzo[a]anthracene	228	11.422	11.422	0.000	97	176618	4.00	3.90	
* 102 Chrysene-d12	240	11.435	11.435	0.000	98	303087	8.00	8.00	
104 Chrysene	228	11.464	11.464	0.000	97	168458	4.00	3.84	
103 Bis(2-ethylhexyl) phthalate	149	11.509	11.509	0.000	84	101730	4.00	4.02	
105 Di-n-octyl phthalate	149	12.371	12.371	0.000	96	151050	4.00	4.27	
106 Benzo[b]fluoranthene	252	12.822	12.822	0.000	97	169758	4.00	4.03	
107 Benzo[k]fluoranthene	252	12.860	12.860	0.000	97	174013	4.00	4.10	
108 Benzo[a]pyrene	252	13.279	13.279	0.000	97	165292	4.00	4.09	
* 109 Perylene-d12	264	13.362	13.362	0.000	100	309207	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.968	14.968	0.000	98	188771	4.00	3.79	
111 Dibenz(a,h)anthracene	278	15.019	15.019	0.000	97	200155	4.00	3.81	
112 Benzo[g,h,i]perylene	276	15.419	15.419	0.000	97	216165	4.00	3.74	
S 119 Total Cresols	1				0			8.01	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00007 Amount Added: 1.00 Units: mL

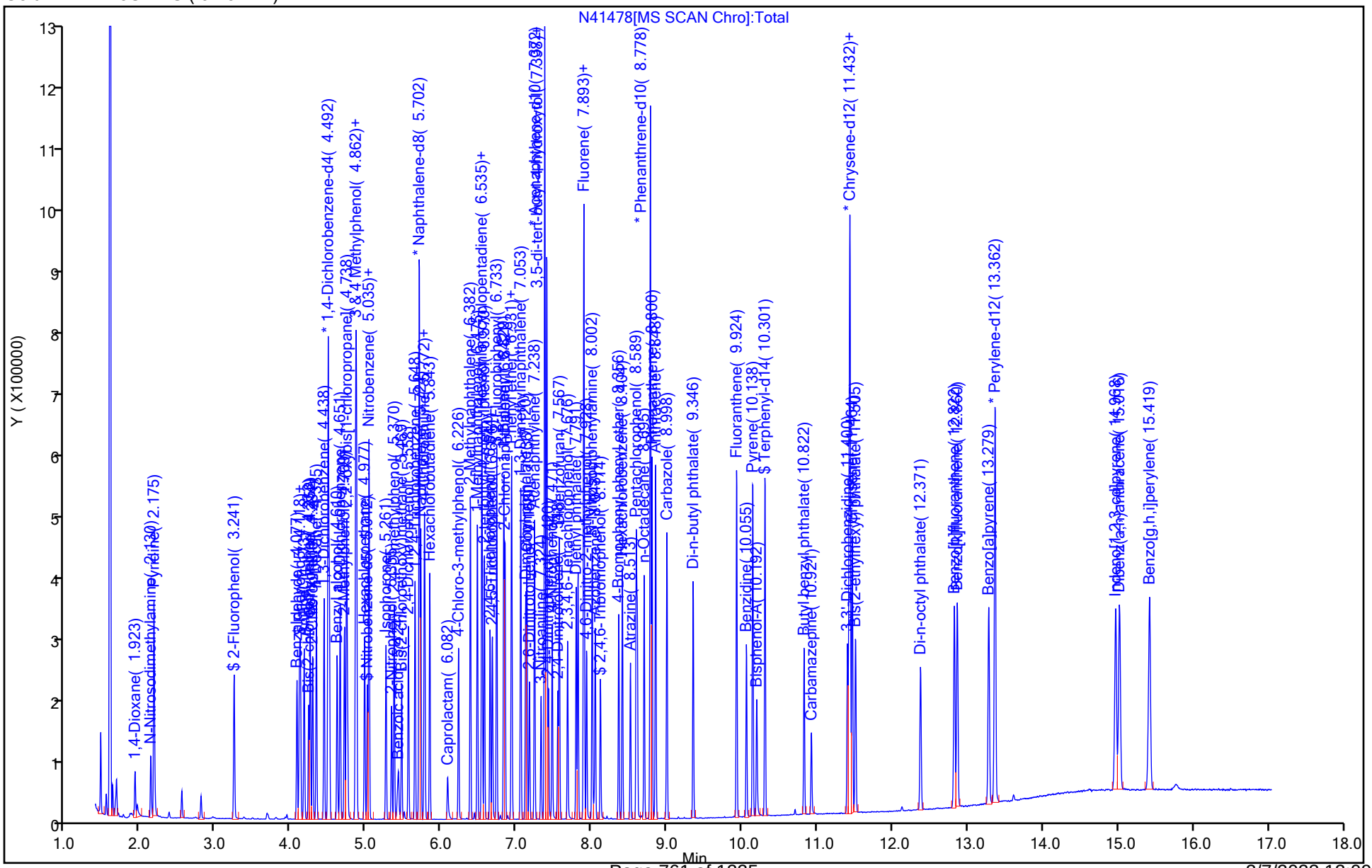
Report Date: 03-Feb-2023 13:46:22 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41478.d

Injection Date:	02-Feb-2023 16:48:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

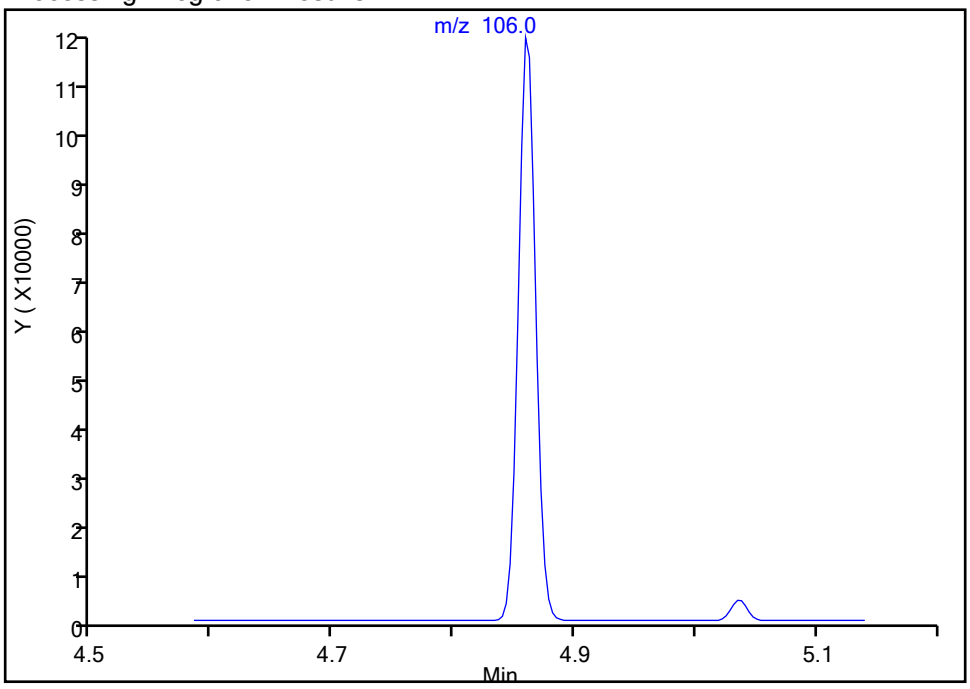
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41478.d
Injection Date: 02-Feb-2023 16:48:30 Instrument ID: CBNAMS14
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

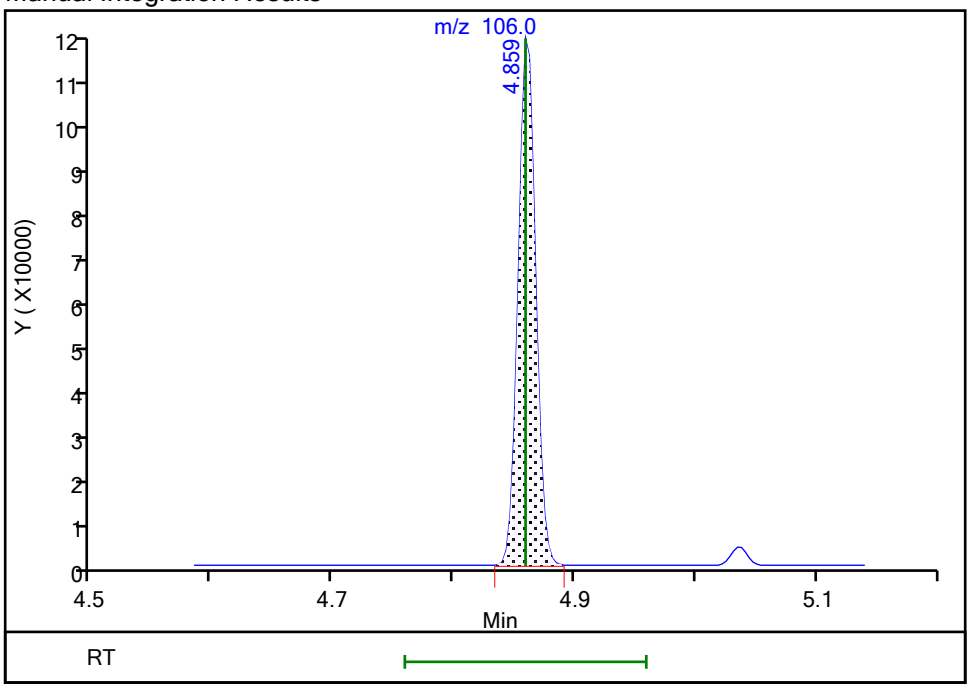
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 111432
Amount: 4.227942
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:12:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41479.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 02-Feb-2023 17:09:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-006
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:25 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:12:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.926	1.923	0.003	97	14162	2.00	2.15	
	2 N-Nitrosodimethylamine	74	2.136	2.133	0.003	84	20146	2.00	2.06	
	3 Pyridine	79	2.178	2.175	0.003	92	67650	4.00	4.31	
$	4 2-Fluorophenol	112	3.241	3.241	0.000	96	33583	2.00	1.88	
	5 Benzaldehyde	77	4.077	4.077	0.000	94	27057	2.00	1.95	
$	6 Phenol-d5	99	4.109	4.109	0.000	95	39075	2.00	1.89	
	7 Phenol	94	4.121	4.121	0.000	99	41858	2.00	2.09	
	8 Aniline	93	4.172	4.173	-0.001	99	52005	2.00	2.07	
	9 Bis(2-chloroethyl)ether	93	4.230	4.233	-0.003	98	31572	2.00	2.08	
	10 Benzonitrile	103	4.249	4.252	-0.003	98	64714	NC	NC	
	11 2-Chlorophenol	128	4.284	4.284	0.000	97	37936	2.00	2.07	
	12 n-Decane	43	4.335	4.335	0.000	92	36950	2.00	2.02	
	13 1,3-Dichlorobenzene	146	4.437	4.438	-0.001	95	46331	2.00	2.07	
*	14 1,4-Dichlorobenzene-d4	152	4.492	4.492	0.000	95	121078	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.508	4.508	0.000	96	48845	2.00	2.12	
	16 Benzyl alcohol	108	4.610	4.610	0.000	93	21690	2.00	2.07	
	17 1,2-Dichlorobenzene	146	4.651	4.651	0.000	96	44766	2.00	2.07	
	18 2-Methylphenol	108	4.709	4.709	0.000	85	31345	2.00	2.08	
	19 2,2'-oxybis[1-chloropropane]	45	4.747	4.747	0.000	91	40168	2.00	2.04	
	23 3 & 4 Methylphenol	108	4.856	4.856	0.000	92	35212	2.00	2.11	
	24 4-Methylphenol	108	4.856	4.856	0.000	93	35212	2.00	2.11	
	20 N-Methylaniline	106	4.859	4.859	0.000	83	56417	2.00	2.04	a
	22 N-Nitrosodi-n-propylamine	70	4.868	4.869	-0.001	86	22427	2.00	2.11	
	21 Acetophenone	105	4.868	4.869	-0.001	87	51778	2.00	2.10	
	25 Hexachloroethane	117	4.977	4.977	0.000	87	15818	2.00	2.12	
$	27 Nitrobenzene-d5	82	5.012	5.012	0.000	86	32830	2.00	1.84	
	28 Nitrobenzene	123	5.031	5.032	-0.001	94	15739	2.00	2.09	
	29 n,n'-Dimethylaniline	120	5.035	5.035	0.000	93	52582	2.00	1.95	
	30 Isophorone	82	5.261	5.261	0.000	99	56606	2.00	2.05	
	32 2-Nitrophenol	139	5.334	5.335	-0.001	92	16926	2.00	1.93	
	33 2,4-Dimethylphenol	122	5.370	5.370	0.000	90	30462	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.411	5.424	-0.013	88	7376	2.00	1.87	
34 Bis(2-chloroethoxy)methane	93	5.469	5.469	0.000	98	35962	2.00	2.02	
36 2,4-Dichlorophenol	162	5.558	5.558	0.000	96	33190	2.00	2.03	
37 1,2,4-Trichlorobenzene	180	5.647	5.648	-0.001	94	38514	2.00	2.06	
* 38 Naphthalene-d8	136	5.705	5.702	0.003	99	404288	8.00	8.00	
39 Naphthalene	128	5.724	5.724	0.000	98	107081	2.00	2.09	
40 4-Chloroaniline	127	5.769	5.769	0.000	96	41699	2.00	2.08	
130 2,6-Dichlorophenol	162	5.778	5.776	0.002	97	33060	2.00	2.06	
41 Hexachlorobutadiene	225	5.842	5.843	-0.001	96	23356	2.00	2.10	
42 Caprolactam	113	6.075	6.082	-0.007	90	4446	2.00	2.04	
43 4-Chloro-3-methylphenol	107	6.225	6.226	-0.001	96	26676	2.00	2.05	
44 2-Methylnaphthalene	142	6.382	6.382	0.000	81	71663	2.00	2.09	
45 1-Methylnaphthalene	142	6.477	6.478	-0.001	89	65405	2.00	2.09	
46 Hexachlorocyclopentadiene	237	6.532	6.532	0.000	97	26682	2.00	1.95	
47 1,2,4,5-Tetrachlorobenzene	216	6.538	6.538	0.000	97	38133	2.00	2.04	
48 2-tertbutyl-4-methylphenol	149	6.570	6.570	0.000	91	42923	2.00	1.98	
49 2,4,6-Trichlorophenol	196	6.643	6.644	-0.001	94	23390	2.00	2.05	
50 2,4,5-Trichlorophenol	196	6.675	6.676	-0.001	98	26779	2.00	2.05	
$ 51 2-Fluorobiphenyl	172	6.733	6.733	0.000	96	83779	2.00	1.85	
52 1,1'-Biphenyl	154	6.829	6.829	0.000	96	91132	2.00	2.09	
53 2-Chloronaphthalene	162	6.845	6.845	0.000	99	71479	2.00	2.05	
54 Phenyl ether	170	6.928	6.931	-0.003	86	49425	2.00	1.98	
55 2-Nitroaniline	65	6.934	6.935	-0.001	98	18414	2.00	1.97	
57 1,3-Dimethylnaphthalene	156	7.052	7.053	-0.001	91	52864	2.00	1.96	
59 Dimethyl phthalate	163	7.116	7.120	-0.004	99	76924	2.00	2.06	
60 Coumarin	146	7.132	7.133	-0.001	79	22279	2.00	1.96	
61 2,6-Dinitrotoluene	165	7.167	7.168	-0.001	95	15538	2.00	2.08	
62 Acenaphthylene	152	7.237	7.238	-0.001	96	108978	2.00	2.09	
63 3-Nitroaniline	138	7.324	7.324	0.000	98	14720	2.00	2.01	
* 64 Acenaphthene-d10	164	7.372	7.372	0.000	97	236425	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.397	7.398	-0.001	96	61943	2.00	1.90	
66 Acenaphthene	154	7.400	7.401	-0.001	97	64228	2.00	2.07	
67 2,4-Dinitrophenol	184	7.423	7.423	0.000	94	13558	4.00	4.45	
68 4-Nitrophenol	65	7.471	7.471	0.000	89	20524	4.00	3.99	
69 2,4-Dinitrotoluene	165	7.544	7.548	-0.004	97	20178	2.00	2.10	
70 Dibenzofuran	168	7.567	7.567	0.000	96	99384	2.00	2.06	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.676	-0.001	94	17832	2.00	1.94	
73 Diethyl phthalate	149	7.790	7.791	-0.001	98	71910	2.00	2.04	
75 Fluorene	166	7.889	7.890	-0.001	92	78381	2.00	2.07	
74 4-Chlorophenyl phenyl ether	204	7.895	7.896	-0.001	90	39424	2.00	2.05	
76 4-Nitroaniline	138	7.895	7.899	-0.004	89	14547	2.00	2.03	
77 4,6-Dinitro-2-methylphenol	198	7.927	7.931	-0.004	89	18132	4.00	3.38	
78 N-Nitrosodiphenylamine	169	8.001	8.005	-0.004	94	56096	2.00	2.01	
131 Azobenzene	77	8.042	8.043	-0.001	0	59361	2.00	2.00	
79 1,2-Diphenylhydrazine	77	8.042	8.043	-0.001	95	59361	2.00	2.00	
$ 80 2,4,6-Tribromophenol	330	8.113	8.114	-0.001	91	13671	2.00	1.83	
81 4-Bromophenyl phenyl ether	248	8.358	8.356	0.002	93	22384	2.00	1.97	
82 Hexachlorobenzene	284	8.406	8.404	0.002	95	29436	2.00	2.03	
83 Atrazine	200	8.512	8.513	-0.001	93	19478	2.00	1.91	
84 Pentachlorophenol	266	8.592	8.589	0.003	92	25890	4.00	3.50	
85 Pentachloronitrobenzene	237	8.604	8.605	-0.001	90	9640	2.00	1.88	
86 n-Octadecane	57	8.694	8.695	-0.001	96	31435	2.00	1.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.777	8.778	-0.001	97	438898	8.00	8.00	
88 Phenanthrene	178	8.799	8.800	-0.001	96	114418	2.00	2.04	
89 Anthracene	178	8.847	8.848	-0.001	98	113183	2.00	2.00	
90 Carbazole	167	8.997	8.998	-0.001	96	98634	2.00	2.05	
91 Di-n-butyl phthalate	149	9.345	9.346	-0.001	99	101051	2.00	1.95	
92 Fluoranthene	202	9.926	9.924	0.002	97	114416	2.00	2.06	
93 Benzidine	184	10.057	10.055	0.002	98	50439	2.00	1.83	
94 Pyrene	202	10.140	10.141	-0.001	96	117321	2.00	2.06	
95 Bisphenol-A	213	10.194	10.192	0.002	97	36882	2.00	1.73	
$ 96 Terphenyl-d14	244	10.303	10.301	0.002	98	86860	2.00	1.87	
97 Butyl benzyl phthalate	149	10.820	10.822	-0.002	95	34605	2.00	1.90	
99 Carbamazepine	193	10.919	10.921	-0.002	91	17066	2.00	1.71	
100 3,3'-Dichlorobenzidine	252	11.398	11.400	-0.002	98	31142	2.00	1.79	
101 Benzo[a]anthracene	228	11.421	11.422	-0.001	98	96164	2.00	2.00	
* 102 Chrysene-d12	240	11.433	11.435	-0.002	98	322223	8.00	8.00	
104 Chrysene	228	11.462	11.464	-0.002	98	95700	2.00	2.05	
103 Bis(2-ethylhexyl) phthalate	149	11.507	11.509	-0.002	84	51791	2.00	1.93	
105 Di-n-octyl phthalate	149	12.373	12.371	0.002	96	75100	2.00	2.06	
106 Benzo[b]fluoranthene	252	12.820	12.822	-0.002	97	90096	2.00	2.08	
107 Benzo[k]fluoranthene	252	12.858	12.860	-0.002	98	92474	2.00	2.11	
108 Benzo[a]pyrene	252	13.277	13.279	-0.002	97	86068	2.00	2.06	
* 109 Perylene-d12	264	13.363	13.362	0.001	100	319021	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.962	14.968	-0.006	98	100090	2.00	1.95	
111 Dibenz(a,h)anthracene	278	15.017	15.019	-0.002	98	107447	2.00	1.98	
112 Benzo[g,h,i]perylene	276	15.410	15.419	-0.009	97	113402	2.00	1.90	
S 119 Total Cresols	1				0			4.18	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 03-Feb-2023 13:46:28 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41479.d

Injection Date: 02-Feb-2023 17:09:30 Instrument ID: CBNAMS14 Operator ID:

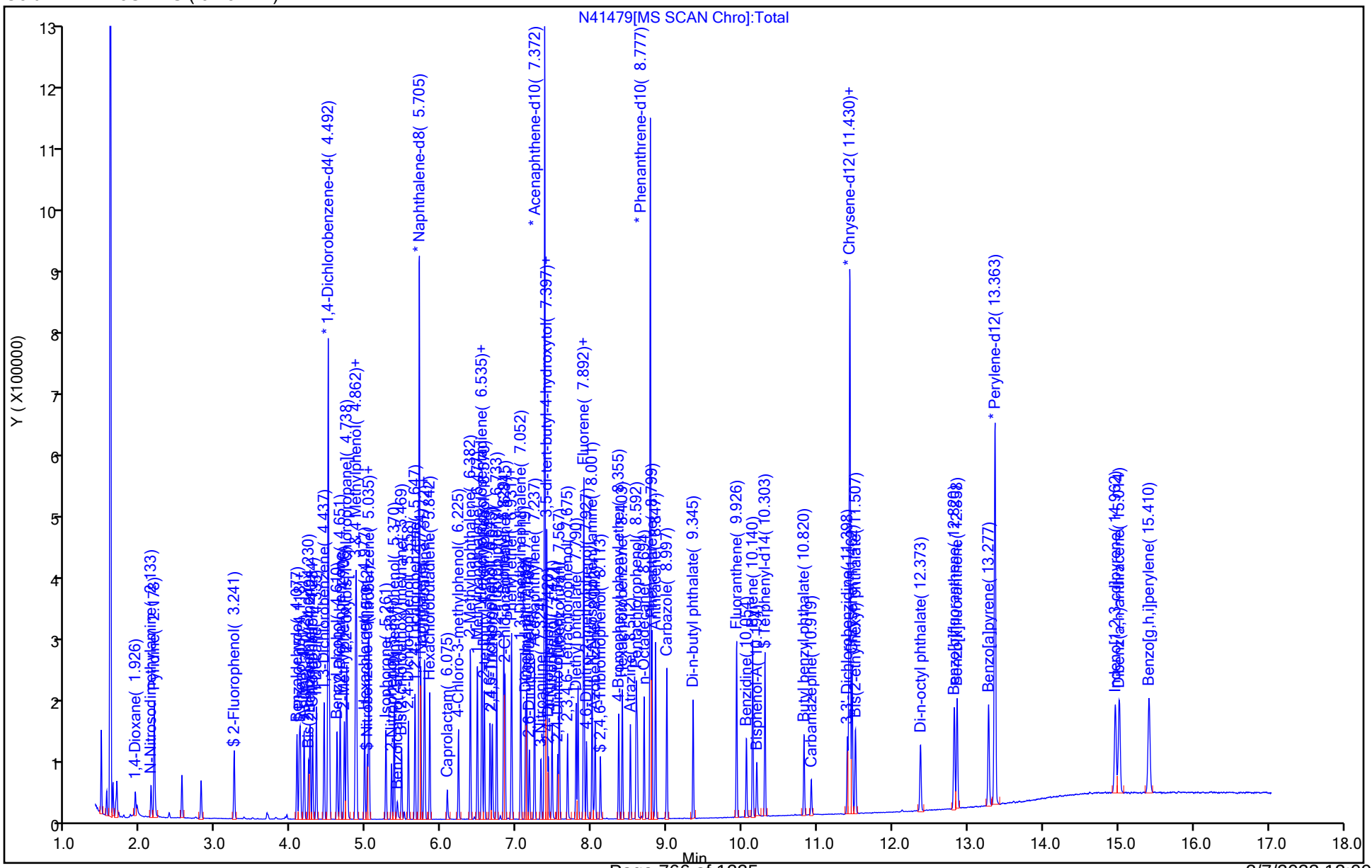
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison

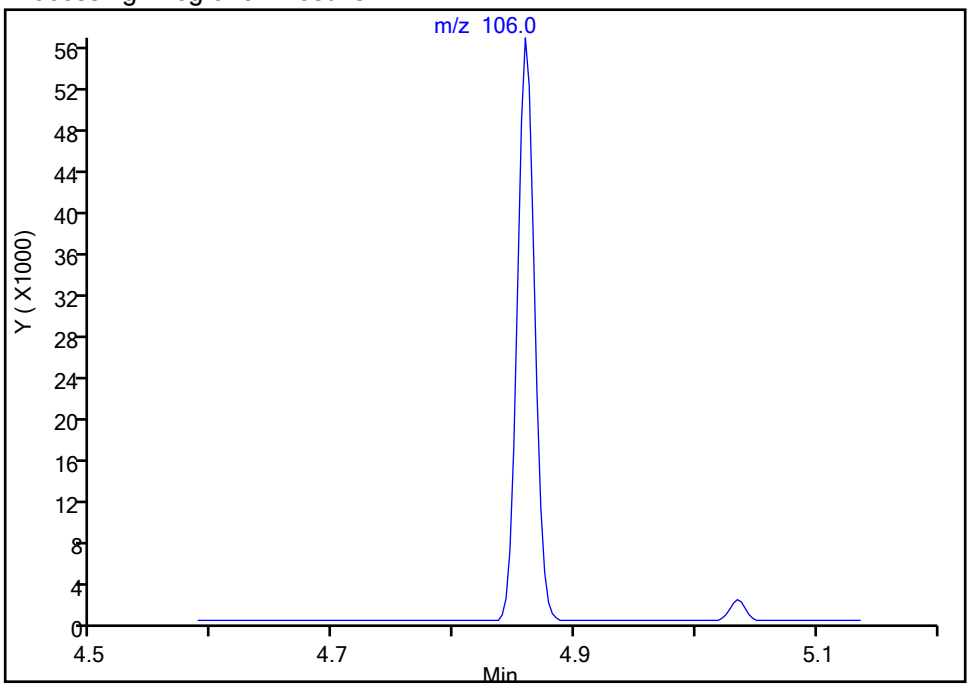
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41479.d
Injection Date: 02-Feb-2023 17:09:30 Instrument ID: CBNAMS14
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

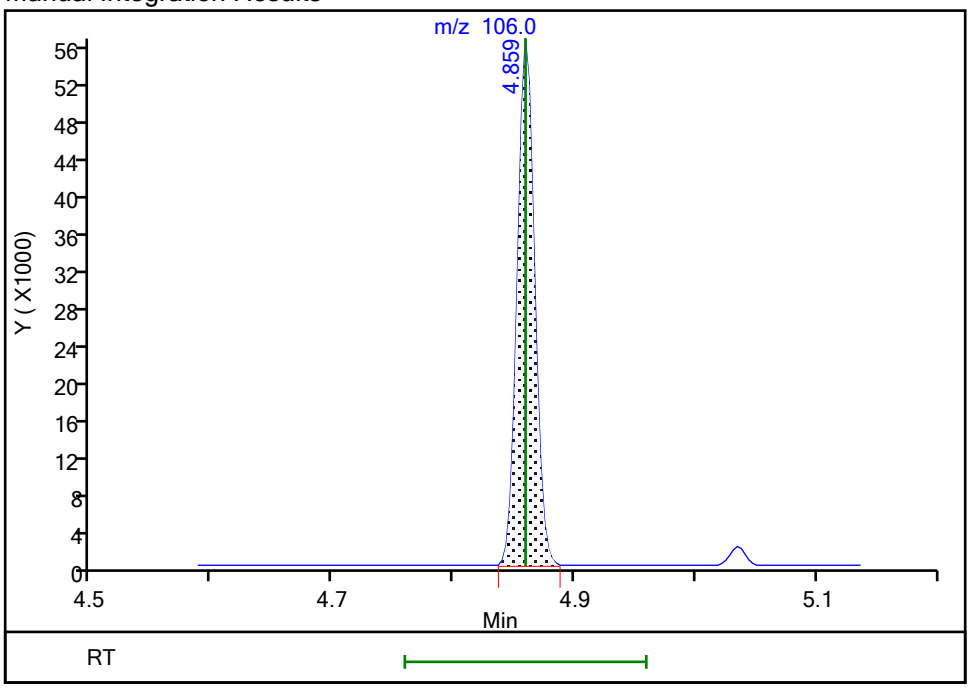
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 56417
Amount: 2.042555
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:12:00
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41480.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 02-Feb-2023 17:31:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-007
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:31 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:11:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.923	1.923	0.000	96	6407	1.00	1.04	
2 N-Nitrosodimethylamine	74	2.133	2.133	0.000	84	8939	1.00	0.9809	
3 Pyridine	79	2.175	2.175	0.000	91	30941	2.00	2.11	
$ 4 2-Fluorophenol	112	3.237	3.241	-0.004	95	16784	1.00	1.01	
5 Benzaldehyde	77	4.076	4.077	-0.001	95	13069	1.00	1.01	
$ 6 Phenol-d5	99	4.105	4.109	-0.004	96	19336	1.00	1.00	a
7 Phenol	94	4.118	4.121	-0.003	98	20043	1.00	1.07	
8 Aniline	93	4.169	4.173	-0.004	99	23944	1.00	1.02	
9 Bis(2-chloroethyl)ether	93	4.230	4.233	-0.003	97	14969	1.00	1.06	
10 Benzonitrile	103	4.249	4.252	-0.003	98	31018	NC	NC	
11 2-Chlorophenol	128	4.284	4.284	0.000	97	17780	1.00	1.04	
12 n-Decane	43	4.335	4.335	0.000	91	17579	1.00	1.03	
13 1,3-Dichlorobenzene	146	4.437	4.438	-0.001	96	21494	1.00	1.03	
* 14 1,4-Dichlorobenzene-d4	152	4.491	4.492	-0.001	95	113092	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.507	4.508	-0.001	95	22849	1.00	1.06	
16 Benzyl alcohol	108	4.610	4.610	0.000	93	9954	1.00	1.02	
17 1,2-Dichlorobenzene	146	4.651	4.651	0.000	96	21182	1.00	1.05	
18 2-Methylphenol	108	4.705	4.709	-0.004	87	14465	1.00	1.03	
19 2,2'-oxybis[1-chloropropane]	45	4.747	4.747	0.000	92	19064	1.00	1.04	
23 3 & 4 Methylphenol	108	4.852	4.856	-0.004	90	16237	1.00	1.04	
24 4-Methylphenol	108	4.852	4.856	-0.004	93	16237	1.00	1.04	
20 N-Methylaniline	106	4.859	4.859	0.000	89	26969	1.00	1.05	
22 N-Nitrosodi-n-propylamine	70	4.865	4.869	-0.004	91	10378	1.00	1.04	
21 Acetophenone	105	4.868	4.869	-0.001	86	24711	1.00	1.07	
25 Hexachloroethane	117	4.973	4.977	-0.004	87	7268	1.00	1.05	
$ 27 Nitrobenzene-d5	82	5.012	5.012	0.000	86	16066	1.00	0.9704	
28 Nitrobenzene	123	5.031	5.032	-0.001	97	7592	1.00	1.08	
29 n,n'-Dimethylaniline	120	5.034	5.035	-0.001	93	25878	1.00	1.03	
30 Isophorone	82	5.258	5.261	-0.003	98	25654	1.00	1.01	
32 2-Nitrophenol	139	5.334	5.335	-0.001	93	7642	1.00	0.9420	
33 2,4-Dimethylphenol	122	5.369	5.370	-0.001	91	14145	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.408	5.424	-0.016	81	678	1.00	1.19	
34 Bis(2-chloroethoxy)methane	93	5.468	5.469	-0.001	98	17175	1.00	1.04	
36 2,4-Dichlorophenol	162	5.558	5.558	0.000	96	15324	1.00	1.01	
37 1,2,4-Trichlorobenzene	180	5.647	5.648	-0.001	94	18014	1.00	1.04	
* 38 Naphthalene-d8	136	5.701	5.702	-0.001	99	374552	8.00	8.00	
39 Naphthalene	128	5.724	5.724	0.000	98	49461	1.00	1.04	
40 4-Chloroaniline	127	5.768	5.769	-0.001	97	20264	1.00	1.09	
130 2,6-Dichlorophenol	162	5.775	5.776	-0.001	97	15643	1.00	1.05	
41 Hexachlorobutadiene	225	5.842	5.843	-0.001	95	10559	1.00	1.03	
42 Caprolactam	113	6.071	6.082	-0.011	90	2010	1.00	0.99	
43 4-Chloro-3-methylphenol	107	6.225	6.226	-0.001	95	12267	1.00	1.02	
44 2-Methylnaphthalene	142	6.381	6.382	-0.001	82	34245	1.00	1.08	
45 1-Methylnaphthalene	142	6.477	6.478	-0.001	89	30815	1.00	1.06	
46 Hexachlorocyclopentadiene	237	6.531	6.532	-0.001	97	12834	1.00	0.9624	
47 1,2,4,5-Tetrachlorobenzene	216	6.537	6.538	-0.001	97	18122	1.00	1.00	
48 2-tertbutyl-4-methylphenol	149	6.569	6.570	-0.001	91	20512	1.00	1.02	
49 2,4,6-Trichlorophenol	196	6.646	6.644	0.002	94	11356	1.00	1.02	
50 2,4,5-Trichlorophenol	196	6.675	6.676	-0.001	98	12705	1.00	1.00	
$ 51 2-Fluorobiphenyl	172	6.732	6.733	-0.001	96	42274	1.00	0.9588	
52 1,1'-Biphenyl	154	6.828	6.829	-0.001	95	43418	1.00	1.02	
53 2-Chloronaphthalene	162	6.844	6.845	-0.001	99	34294	1.00	1.01	
54 Phenyl ether	170	6.930	6.931	-0.001	86	24044	1.00	0.9871	
55 2-Nitroaniline	65	6.933	6.935	-0.002	98	8444	1.00	0.9264	
57 1,3-Dimethylnaphthalene	156	7.051	7.053	-0.002	90	25187	1.00	0.9602	
59 Dimethyl phthalate	163	7.115	7.120	-0.005	98	37014	1.00	1.02	
60 Coumarin	146	7.131	7.133	-0.002	79	11133	1.00	1.06	
61 2,6-Dinitrotoluene	165	7.166	7.168	-0.002	95	6773	1.00	0.9324	
62 Acenaphthylene	152	7.237	7.238	-0.001	96	50696	1.00	1.00	
63 3-Nitroaniline	138	7.323	7.324	-0.001	96	6662	1.00	0.9319	
* 64 Acenaphthene-d10	164	7.371	7.372	-0.001	96	230340	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.396	7.398	-0.002	96	31587	1.00	1.00	
66 Acenaphthene	154	7.400	7.401	-0.001	96	30607	1.00	1.01	
67 2,4-Dinitrophenol	184	7.467	7.423	0.044	53	420	2.00	1.91	
68 4-Nitrophenol	65	7.470	7.471	-0.001	88	9030	2.00	1.80	
69 2,4-Dinitrotoluene	165	7.546	7.548	-0.002	97	8634	1.00	0.9240	
70 Dibenzofuran	168	7.566	7.567	-0.001	96	48203	1.00	1.03	
72 2,3,4,6-Tetrachlorophenol	232	7.677	7.676	0.001	94	8219	1.00	0.9195	
73 Diethyl phthalate	149	7.789	7.791	-0.002	99	35424	1.00	1.03	
75 Fluorene	166	7.891	7.890	0.001	92	37390	1.00	1.02	
74 4-Chlorophenyl phenyl ether	204	7.894	7.896	-0.002	89	19328	1.00	1.03	
76 4-Nitroaniline	138	7.894	7.899	-0.005	66	6585	1.00	0.9437	
77 4,6-Dinitro-2-methylphenol	198	7.930	7.931	-0.001	89	7364	2.00	1.41	
78 N-Nitrosodiphenylamine	169	8.003	8.005	-0.002	94	26785	1.00	0.9864	
131 Azobenzene	77	8.041	8.043	-0.002	0	28134	1.00	0.9722	
79 1,2-Diphenylhydrazine	77	8.041	8.043	-0.002	95	28134	1.00	0.9722	
$ 80 2,4,6-Tribromophenol	330	8.112	8.114	-0.002	90	6736	1.00	0.9236	
81 4-Bromophenyl phenyl ether	248	8.357	8.356	0.001	92	10820	1.00	0.9770	
82 Hexachlorobenzene	284	8.405	8.404	0.001	95	14429	1.00	1.02	
83 Atrazine	200	8.511	8.513	-0.003	94	9633	1.00	0.9668	
84 Pentachlorophenol	266	8.590	8.589	0.001	92	11721	2.00	1.63	
85 Pentachloronitrobenzene	237	8.603	8.605	-0.002	90	4396	1.00	0.8768	
86 n-Octadecane	57	8.693	8.695	-0.002	95	15255	1.00	0.9673	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.776	8.778	-0.002	98	428029	8.00	8.00	
88 Phenanthrene	178	8.798	8.800	-0.002	95	56215	1.00	1.03	
89 Anthracene	178	8.846	8.848	-0.002	98	56399	1.00	1.02	
90 Carbazole	167	8.996	8.998	-0.002	96	47737	1.00	1.02	
91 Di-n-butyl phthalate	149	9.347	9.346	0.001	99	47830	1.00	0.9475	
92 Fluoranthene	202	9.925	9.924	0.001	97	55333	1.00	1.02	
93 Benzidine	184	10.055	10.055	0.000	98	25955	1.00	0.9662	
94 Pyrene	202	10.138	10.141	-0.003	97	56264	1.00	1.00	
95 Bisphenol-A	213	10.193	10.192	0.001	97	16770	1.00	0.7949	
$ 96 Terphenyl-d14	244	10.301	10.301	0.000	98	44939	1.00	0.9769	
97 Butyl benzyl phthalate	149	10.822	10.822	0.000	95	15644	1.00	0.8681	
99 Carbamazepine	193	10.918	10.921	-0.003	91	7682	1.00	0.7791	
100 3,3'-Dichlorobenzidine	252	11.400	11.400	0.000	97	15285	1.00	0.8910	
101 Benzo[a]anthracene	228	11.422	11.422	0.000	98	45623	1.00	0.9576	
* 102 Chrysene-d12	240	11.432	11.435	-0.003	98	318481	8.00	8.00	
104 Chrysene	228	11.460	11.464	-0.004	98	47293	1.00	1.03	
103 Bis(2-ethylhexyl) phthalate	149	11.505	11.509	-0.004	85	22837	1.00	0.8597	
105 Di-n-octyl phthalate	149	12.371	12.371	0.000	96	31725	1.00	0.8898	
106 Benzo[b]fluoranthene	252	12.821	12.822	-0.001	97	44949	1.00	1.06	
107 Benzo[k]fluoranthene	252	12.859	12.860	-0.001	97	44037	1.00	1.03	
108 Benzo[a]pyrene	252	13.278	13.279	-0.001	97	40219	1.00	0.9875	
* 109 Perylene-d12	264	13.361	13.362	-0.001	100	311269	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.963	14.968	-0.005	97	47786	1.00	0.9541	
111 Dibenz(a,h)anthracene	278	15.014	15.019	-0.005	98	51903	1.00	0.9820	
112 Benzo[g,h,i]perylene	276	15.411	15.419	-0.008	96	53696	1.00	0.9220	
S 119 Total Cresols	1				0			2.07	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00006 Amount Added: 1.00 Units: mL

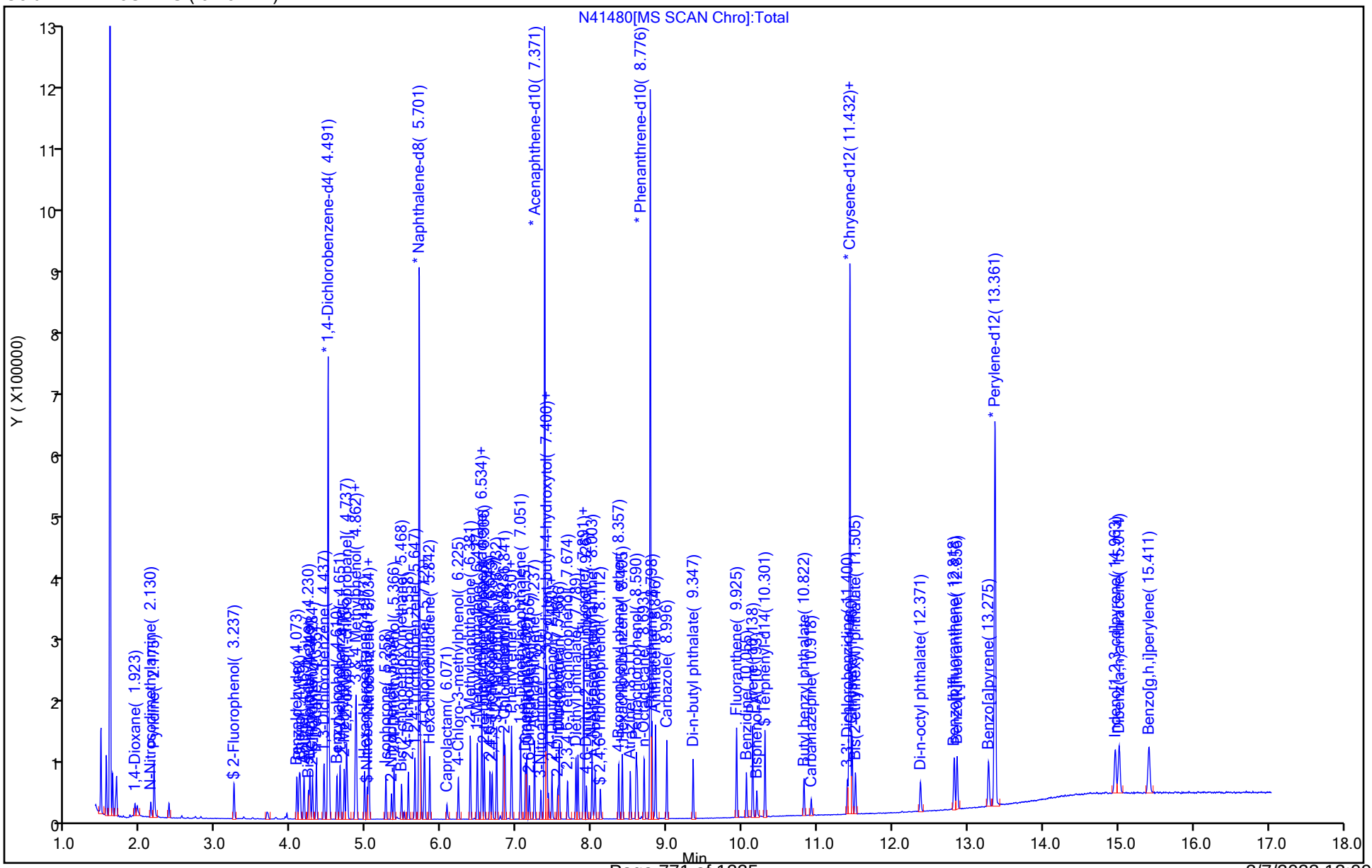
Report Date: 03-Feb-2023 13:46:33 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41480.d

Injection Date:	02-Feb-2023 17:31:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

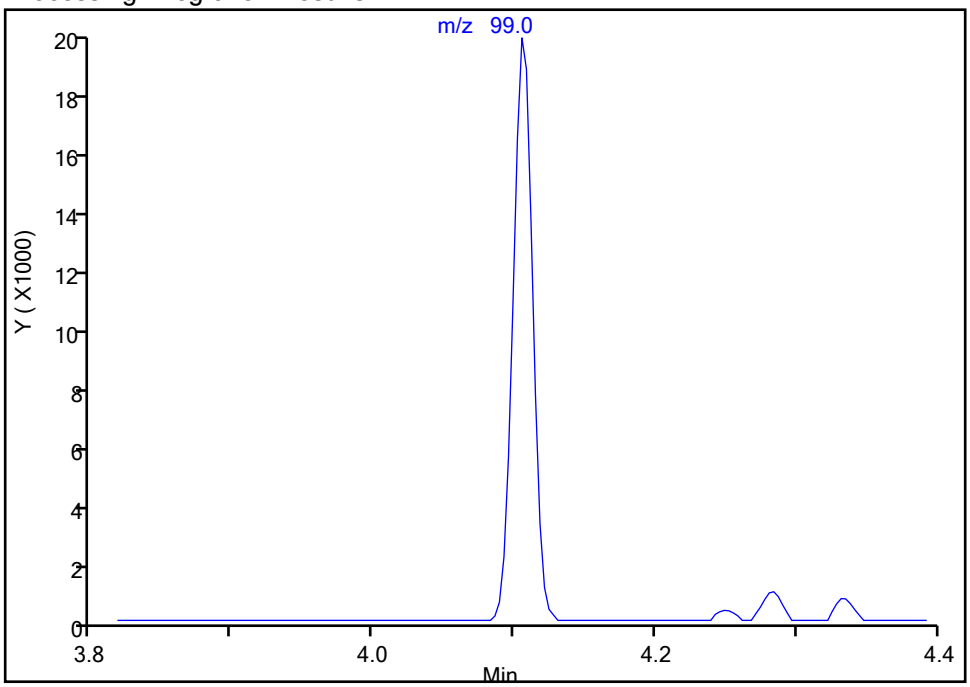
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41480.d
Injection Date: 02-Feb-2023 17:31:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 6 Phenol-d5, CAS: 4165-62-2

Signal: 1

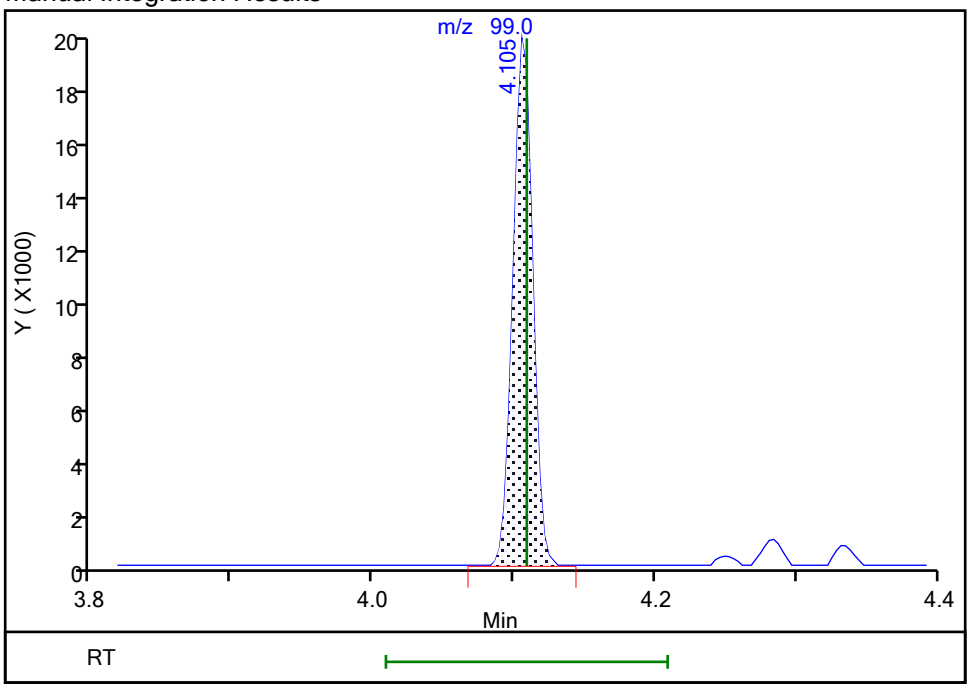
Not Detected
Expected RT: 4.11

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 19336
Amount: 1.002926
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:11:19
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41481.d
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 02-Feb-2023 17:53:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-008
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:35 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:11:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.076	4.077	-0.001	93	5531	0.4000	0.4008	
* 14 1,4-Dichlorobenzene-d4	152	4.491	4.492	-0.001	95	120418	8.00	8.00	
* 38 Naphthalene-d8	136	5.701	5.702	-0.001	99	407714	8.00	8.00	
42 Caprolactam	113	6.068	6.082	-0.014	87	803	0.4000	0.3649	
* 64 Acenaphthene-d10	164	7.370	7.372	-0.002	97	249924	8.00	8.00	
83 Atrazine	200	8.510	8.513	-0.003	93	4015	0.4000	0.3688	
* 87 Phenanthrene-d10	188	8.778	8.778	0.000	97	467644	8.00	8.00	
* 102 Chrysene-d12	240	11.433	11.435	-0.002	98	339130	8.00	8.00	
* 109 Perylene-d12	264	13.362	13.362	0.000	100	324371	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00005 Amount Added: 1.00 Units: mL

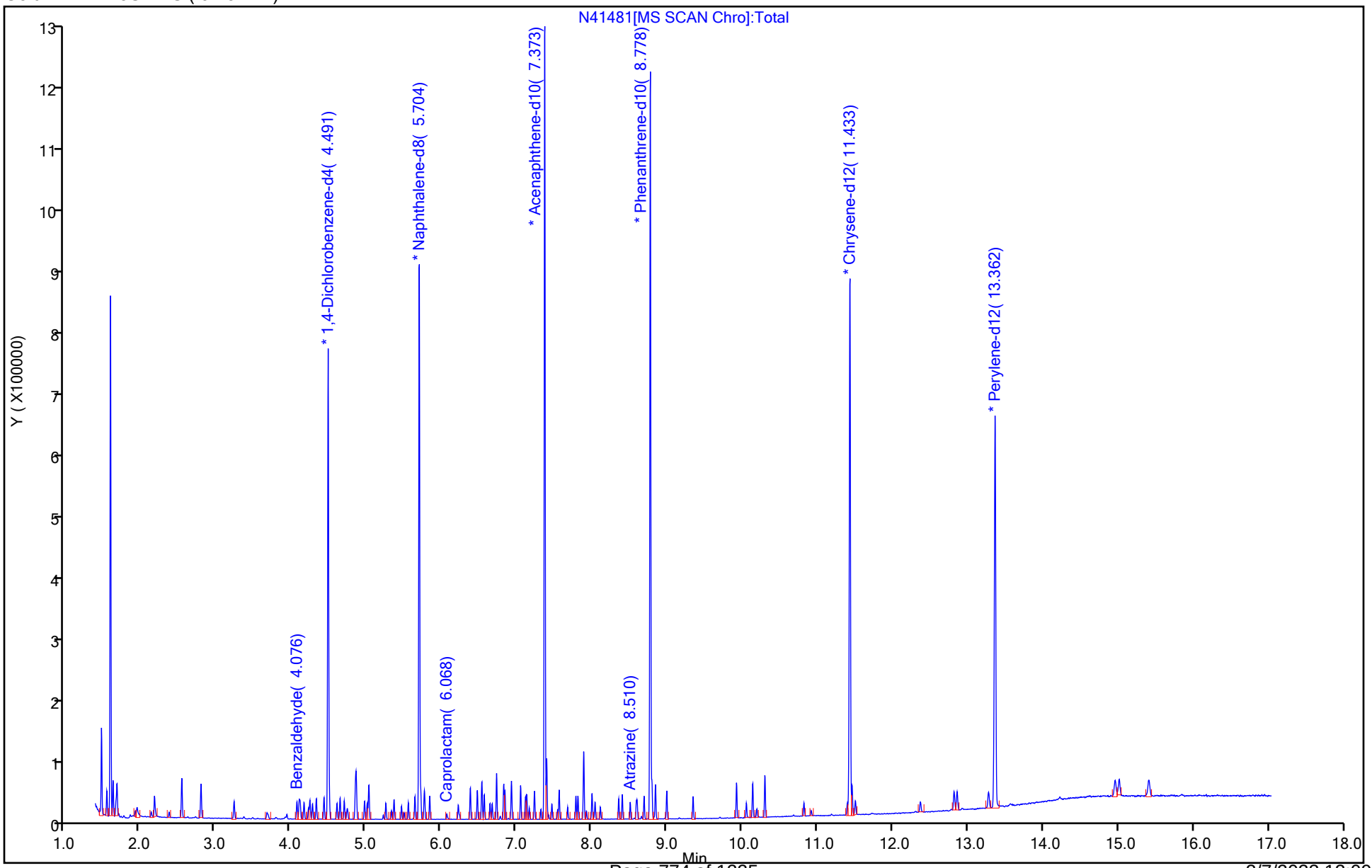
Report Date: 03-Feb-2023 13:46:36 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41481.d

Injection Date:	02-Feb-2023 17:53:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41482.d
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 02-Feb-2023 18:14:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-009
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:37 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:10:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.190	2.175	0.015	94	7159	0.4000	0.4012	
$ 4 2-Fluorophenol	112	3.243	3.241	0.002	95	4645	0.2000	0.2283	
5 Benzaldehyde	77	4.076	4.077	-0.001	93	3236	0.2000	0.2049	
$ 6 Phenol-d5	99	4.105	4.109	-0.004	96	5085	0.2000	0.2164	Ma
9 Bis(2-chloroethyl)ether	93	4.229	4.233	-0.004	98	3507	0.2000	0.2030	
* 14 1,4-Dichlorobenzene-d4	152	4.491	4.492	-0.001	95	137811	8.00	8.00	
20 N-Methylaniline	106	4.858	4.859	-0.001	86	6194	0.2000	0.1970	
22 N-Nitrosodi-n-propylamine	70	4.865	4.869	-0.004	83	2277	0.2000	0.1879	
25 Hexachloroethane	117	4.976	4.977	-0.001	84	1621	0.2000	0.1913	
$ 27 Nitrobenzene-d5	82	5.011	5.012	-0.001	86	4398	0.2000	0.2199	
28 Nitrobenzene	123	5.030	5.032	-0.002	92	1535	0.2000	0.1795	
29 n,n'-Dimethylaniline	120	5.034	5.035	-0.001	94	6304	0.2000	0.2053	
30 Isophorone	82	5.260	5.261	-0.001	98	5560	0.2000	0.1803	
37 1,2,4-Trichlorobenzene	180	5.646	5.648	-0.002	93	4221	0.2000	0.2020	
* 38 Naphthalene-d8	136	5.704	5.702	0.002	99	452421	8.00	8.00	
39 Naphthalene	128	5.723	5.724	-0.001	97	11808	0.2000	0.2062	
40 4-Chloroaniline	127	5.768	5.769	-0.001	95	4510	0.2000	0.2013	
41 Hexachlorobutadiene	225	5.841	5.843	-0.002	92	2440	0.2000	0.1965	
42 Caprolactam	113	6.071	6.082	-0.011	89	428	0.2000	0.1753	
44 2-Methylnaphthalene	142	6.383	6.382	0.001	80	7515	0.2000	0.1957	
45 1-Methylnaphthalene	142	6.476	6.478	-0.002	90	7030	0.2000	0.2003	
48 2-tertbutyl-4-methylphenol	149	6.568	6.570	-0.002	91	4737	0.2000	0.1952	
49 2,4,6-Trichlorophenol	196	6.645	6.644	0.001	89	2101	0.2000	0.1624	
$ 51 2-Fluorobiphenyl	172	6.731	6.733	-0.002	96	11079	0.2000	0.2159	
61 2,6-Dinitrotoluene	165	7.165	7.168	-0.003	92	1363	0.2000	0.1613	
* 64 Acenaphthene-d10	164	7.373	7.372	0.001	97	268031	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.545	7.548	-0.003	94	1638	0.2000	0.1506	a
$ 80 2,4,6-Tribromophenol	330	8.113	8.114	-0.001	84	1432	0.2000	0.1687	
82 Hexachlorobenzene	284	8.403	8.404	-0.001	95	3196	0.2000	0.1941	
83 Atrazine	200	8.509	8.513	-0.004	92	2113	0.2000	0.1820	
* 87 Phenanthrene-d10	188	8.777	8.778	-0.001	97	498627	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.922	9.924	-0.002	97	11747	0.2000	0.1864	
94 Pyrene	202	10.139	10.141	-0.002	96	12201	0.2000	0.1967	
$ 96 Terphenyl-d14	244	10.302	10.301	0.001	98	10971	0.2000	0.2166	
100 3,3'-Dichlorobenzidine	252	11.397	11.400	-0.003	96	2924	0.2000	0.1548	
101 Benzo[a]anthracene	228	11.419	11.422	-0.003	97	10605	0.2000	0.2021	
* 102 Chrysene-d12	240	11.432	11.435	-0.003	98	350693	8.00	8.00	
104 Chrysene	228	11.461	11.464	-0.003	97	10383	0.2000	0.2046	
103 Bis(2-ethylhexyl) phthalate	149	11.506	11.509	-0.003	83	4923	0.2000	0.1683	a
106 Benzo[b]fluoranthene	252	12.818	12.822	-0.004	97	9185	0.2000	0.1986	
107 Benzo[k]fluoranthene	252	12.856	12.860	-0.004	97	8891	0.2000	0.1903	
108 Benzo[a]pyrene	252	13.275	13.279	-0.004	97	8000	0.2000	0.1798	
* 109 Perylene-d12	264	13.364	13.362	0.002	100	339974	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.960	14.968	-0.008	97	9513	0.2000	0.1739	
111 Dibenz(a,h)anthracene	278	15.014	15.019	-0.005	97	10158	0.2000	0.1760	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00004 Amount Added: 1.00 Units: mL

Report Date: 03-Feb-2023 13:46:39 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41482.d

Injection Date: 02-Feb-2023 18:14:30 Instrument ID: CBNAMS14 Operator ID:

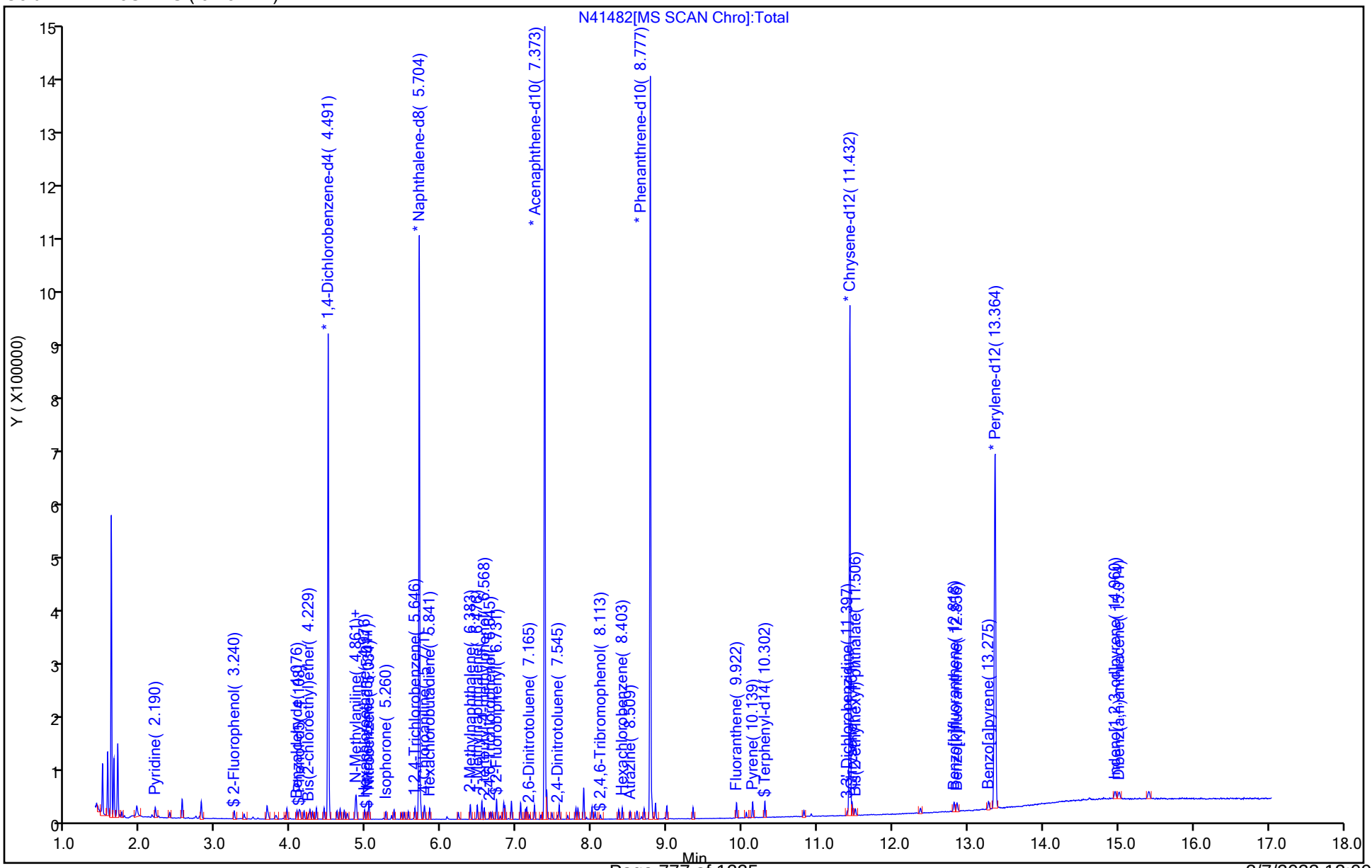
Lims ID: STD02 Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

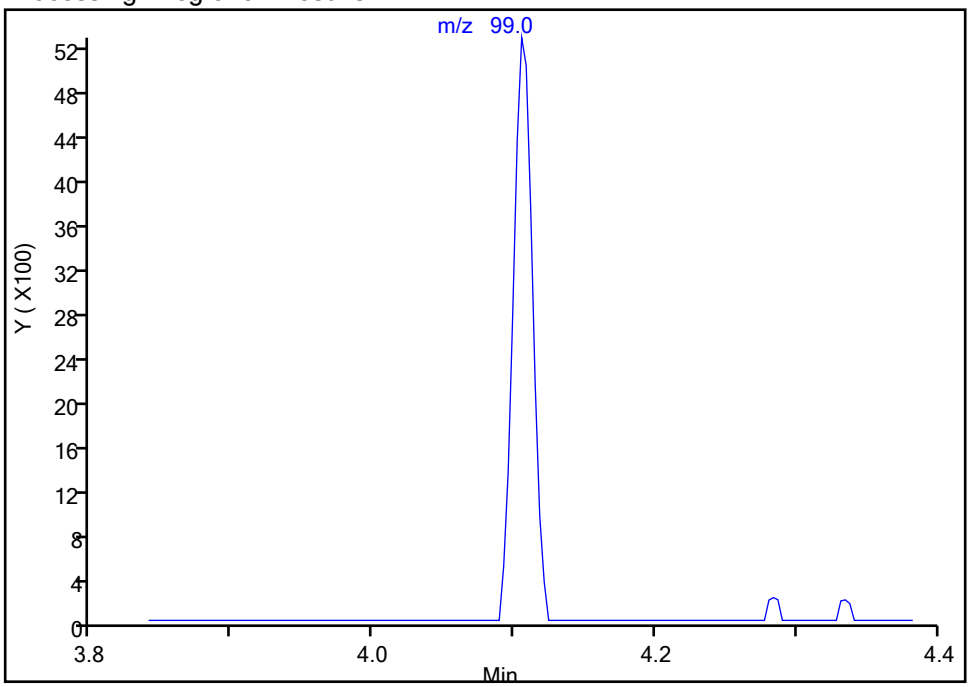
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41482.d
Injection Date: 02-Feb-2023 18:14:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 6 Phenol-d5, CAS: 4165-62-2

Signal: 1

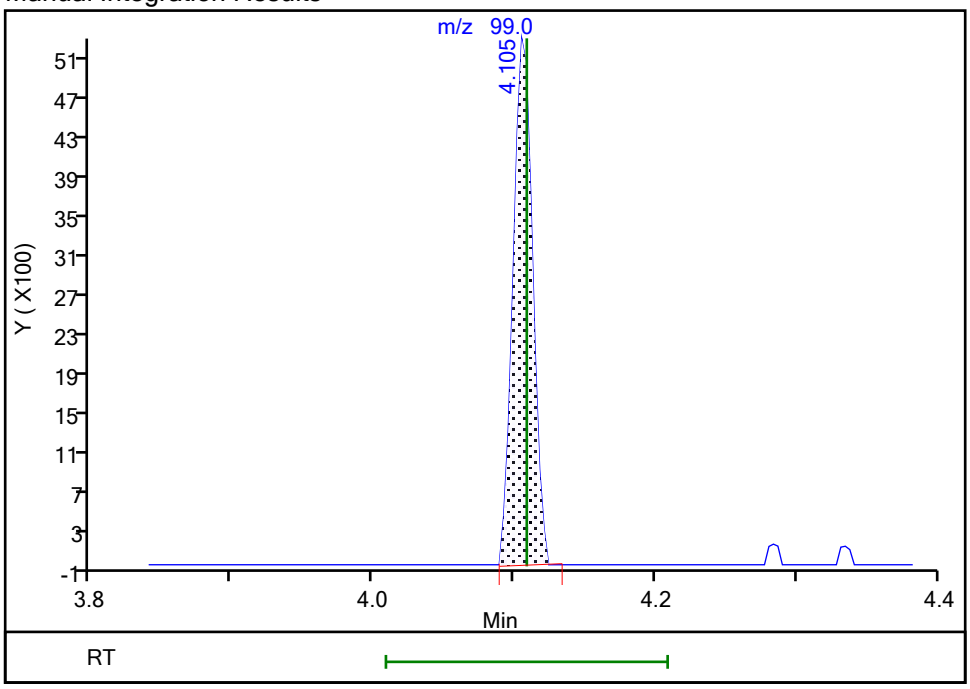
Not Detected
Expected RT: 4.11

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 5085
Amount: 0.216442
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

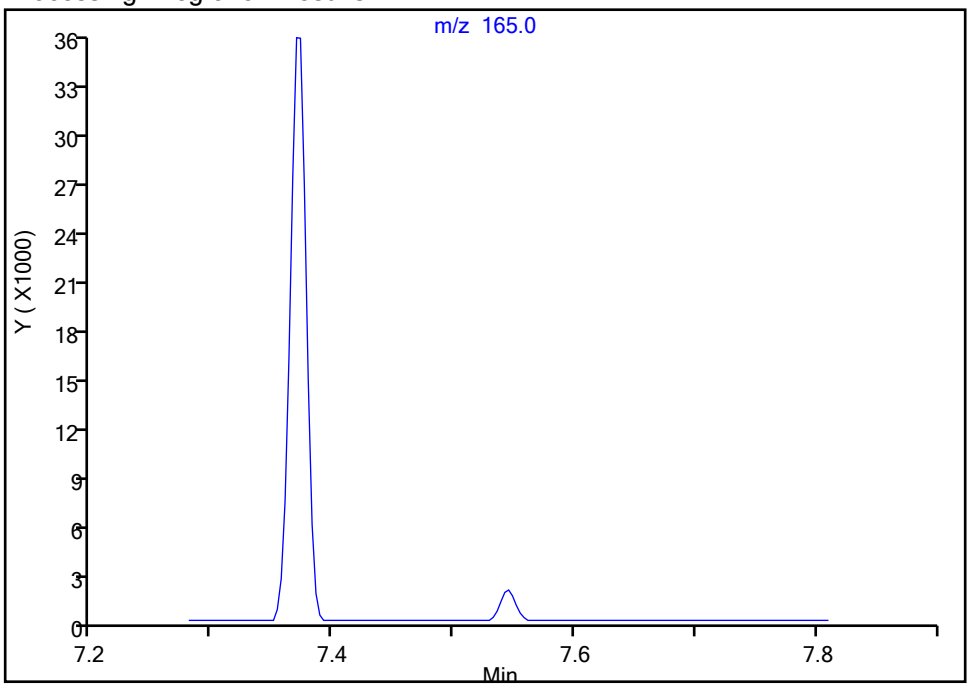
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41482.d				
Injection Date:	02-Feb-2023 18:14:30	Instrument ID:	CBNAMS14		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

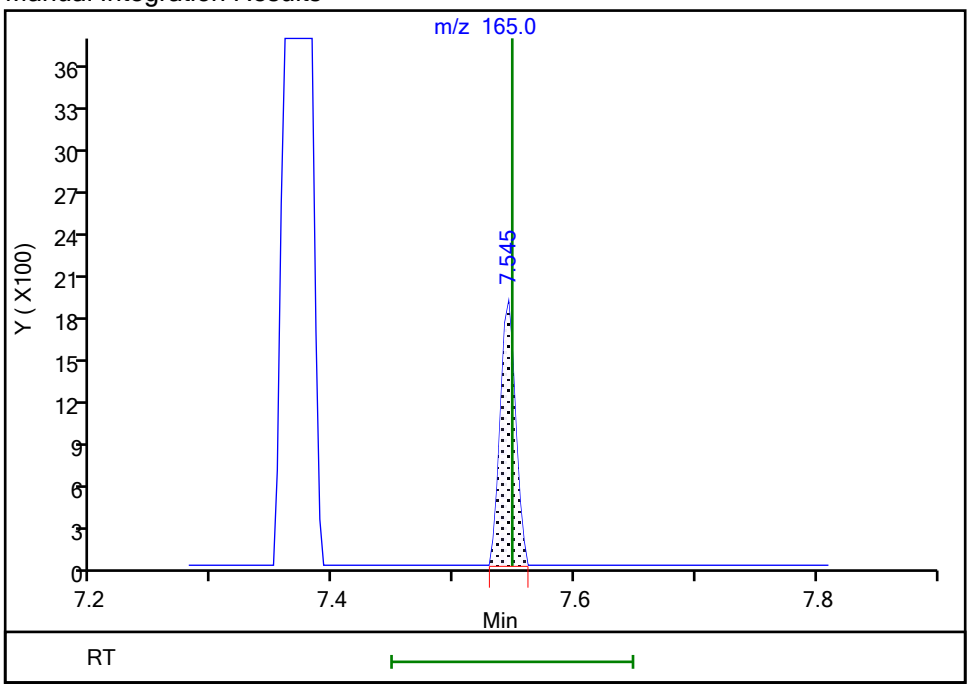
Not Detected
Expected RT: 7.55

Processing Integration Results



Manual Integration Results

RT: 7.55
Area: 1638
Amount: 0.150642
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:51
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

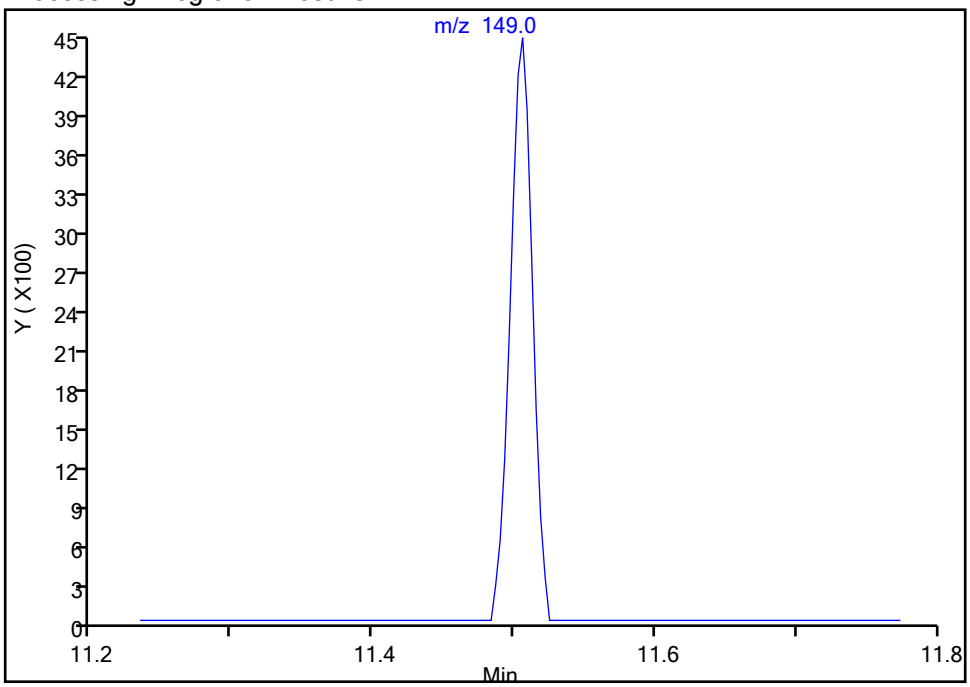
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41482.d
Injection Date: 02-Feb-2023 18:14:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

103 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

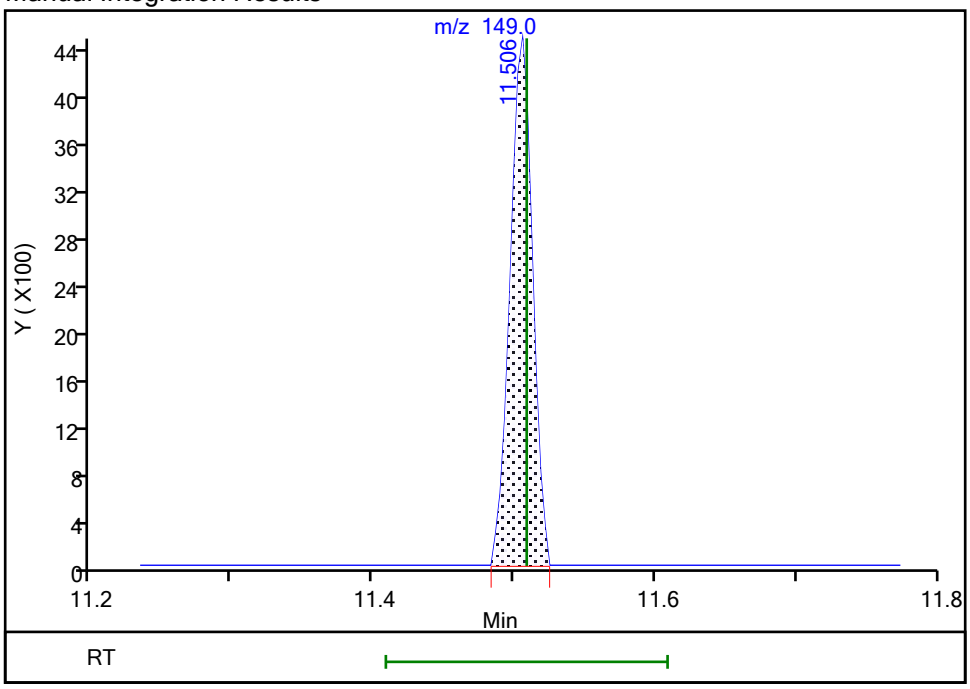
Not Detected
Expected RT: 11.51

Processing Integration Results



Manual Integration Results

RT: 11.51
Area: 4923
Amount: 0.168308
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:56
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 02-Feb-2023 18:36:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-010
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:46:41 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:10:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.194	2.175	0.019	91	2772	0.2000	0.1822	
$ 6 Phenol-d5	99	4.105	4.109	-0.004	96	2177	0.1000	0.1087	a
9 Bis(2-chloroethyl)ether	93	4.229	4.233	-0.004	98	1511	0.1000	0.1026	
* 14 1,4-Dichlorobenzene-d4	152	4.491	4.492	-0.001	94	117501	8.00	8.00	
20 N-Methylaniline	106	4.858	4.859	-0.001	84	2402	0.1000	0.0896	
22 N-Nitrosodi-n-propylamine	70	4.864	4.869	-0.005	68	978	0.1000	0.0947	a
25 Hexachloroethane	117	4.976	4.977	-0.001	84	645	0.1000	0.0893	
$ 27 Nitrobenzene-d5	82	5.011	5.012	-0.001	85	1647	0.1000	0.0962	
28 Nitrobenzene	123	5.030	5.032	-0.002	92	646	0.1000	0.0886	
29 n,n'-Dimethylaniline	120	5.034	5.035	-0.001	91	2652	0.1000	0.1013	
37 1,2,4-Trichlorobenzene	180	5.646	5.648	-0.002	90	1598	0.1000	0.0893	
* 38 Naphthalene-d8	136	5.704	5.702	0.002	99	387353	8.00	8.00	
39 Naphthalene	128	5.723	5.724	-0.001	97	5040	0.1000	0.1028	
40 4-Chloroaniline	127	5.767	5.769	-0.002	96	1774	0.1000	0.0925	
41 Hexachlorobutadiene	225	5.844	5.843	0.001	83	979	0.1000	0.0921	
$ 51 2-Fluorobiphenyl	172	6.731	6.733	-0.002	96	4938	0.1000	0.1109	
* 64 Acenaphthene-d10	164	7.372	7.372	0.000	96	232639	8.00	8.00	
82 Hexachlorobenzene	284	8.403	8.404	-0.001	89	1299	0.1000	0.0912	
* 87 Phenanthrene-d10	188	8.776	8.778	-0.002	98	431300	8.00	8.00	
$ 96 Terphenyl-d14	244	10.301	10.301	0.000	97	4705	0.1000	0.1058	
101 Benzo[a]anthracene	228	11.422	11.422	0.000	95	5068	0.1000	0.1100	
* 102 Chrysene-d12	240	11.431	11.435	-0.004	98	307981	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.817	12.822	-0.005	96	3878	0.1000	0.0924	
107 Benzo[k]fluoranthene	252	12.859	12.860	-0.001	95	4092	0.1000	0.0965	
108 Benzo[a]pyrene	252	13.277	13.279	-0.002	97	3447	0.1000	0.0854	
* 109 Perylene-d12	264	13.360	13.362	-0.002	100	308605	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.962	14.968	-0.006	95	4330	0.1000	0.0872	
111 Dibenz(a,h)anthracene	278	15.013	15.019	-0.006	97	4531	0.1000	0.0865	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00004 Amount Added: 1.00 Units: mL

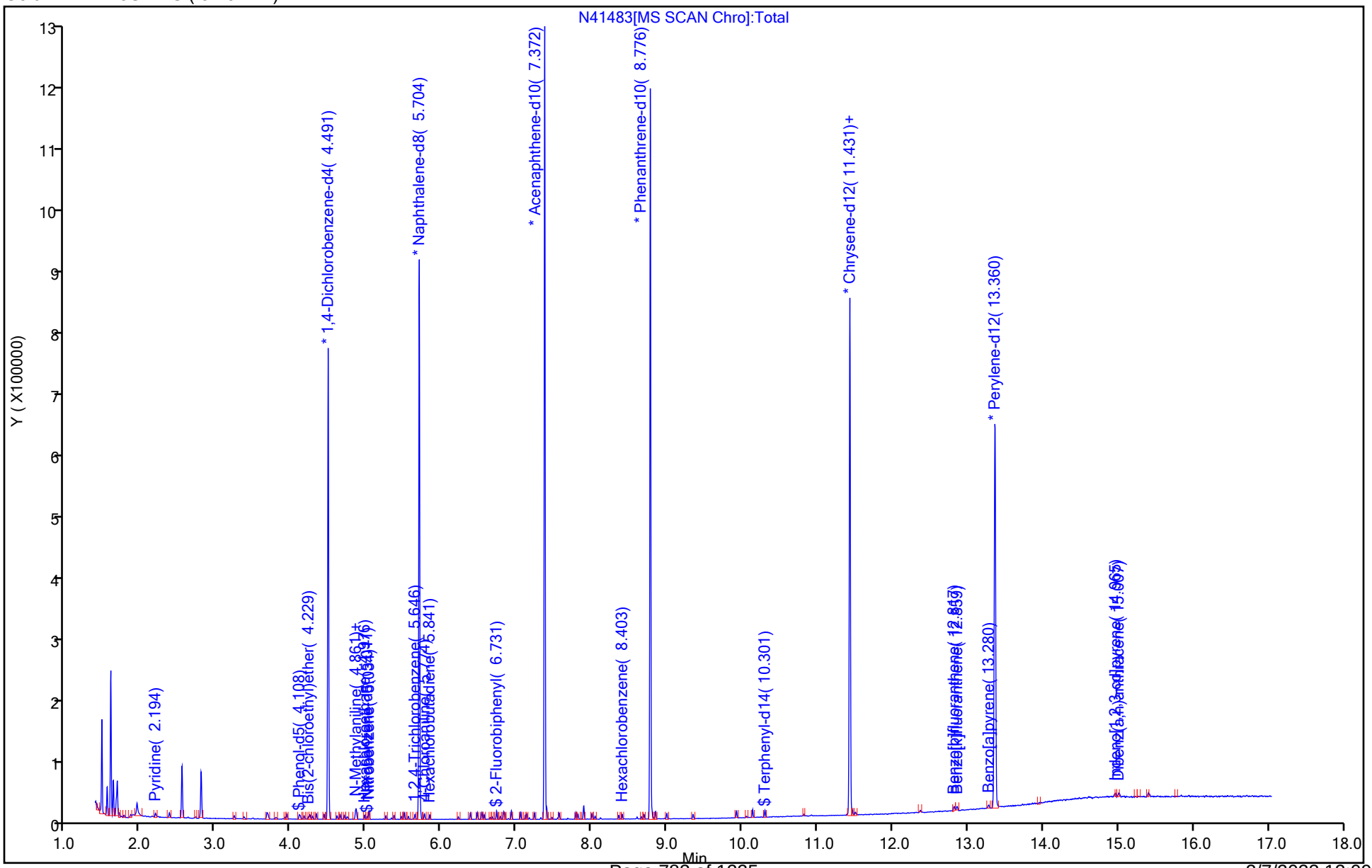
Report Date: 03-Feb-2023 13:46:43 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Injection Date:	02-Feb-2023 18:36:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

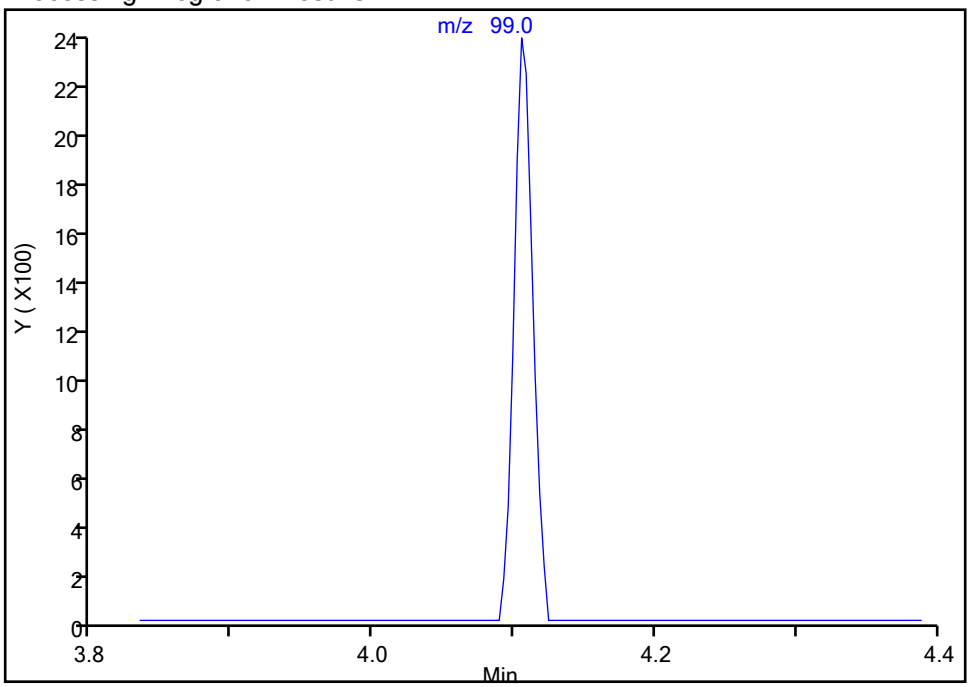
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d				
Injection Date:	02-Feb-2023 18:36:30	Instrument ID:	CBNAMS14		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

$ 6 Phenol-d5, CAS: 4165-62-2

Signal: 1

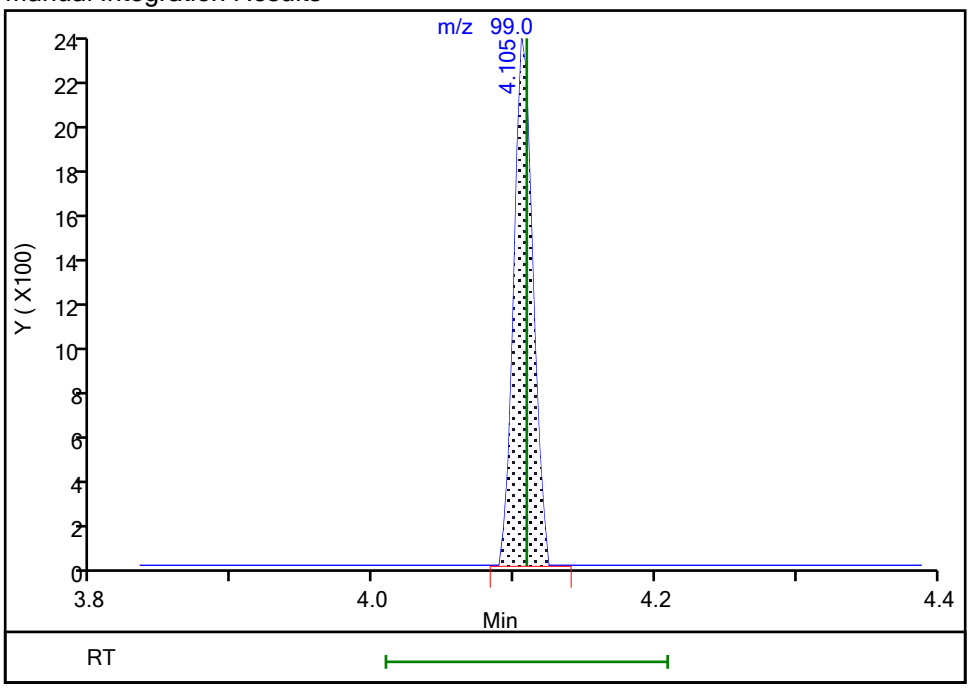
Not Detected
Expected RT: 4.11

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 2177
Amount: 0.108680
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:15
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

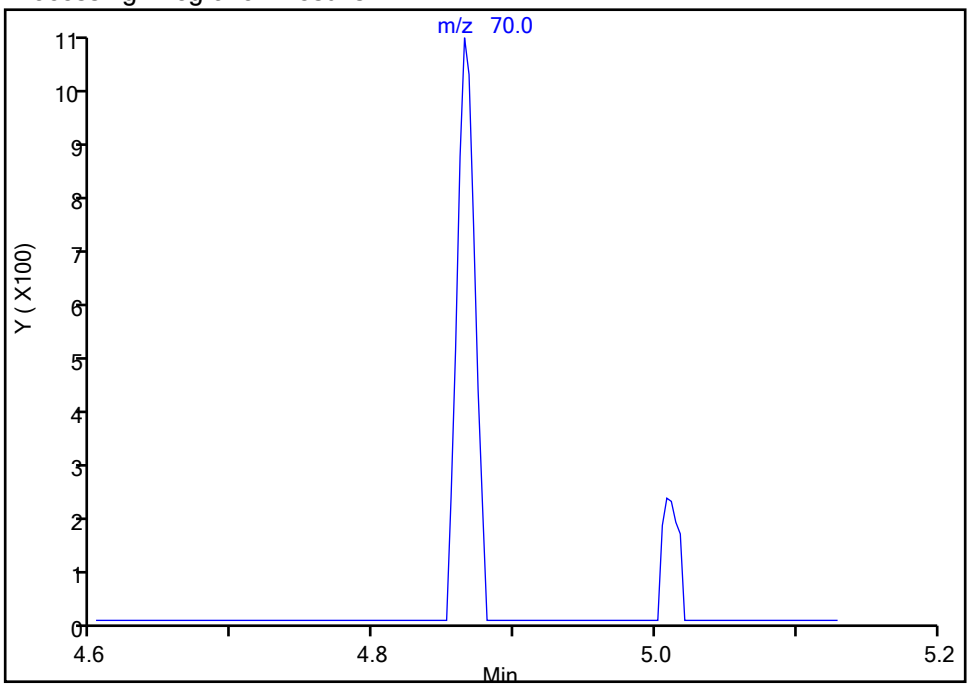
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d
Injection Date: 02-Feb-2023 18:36:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

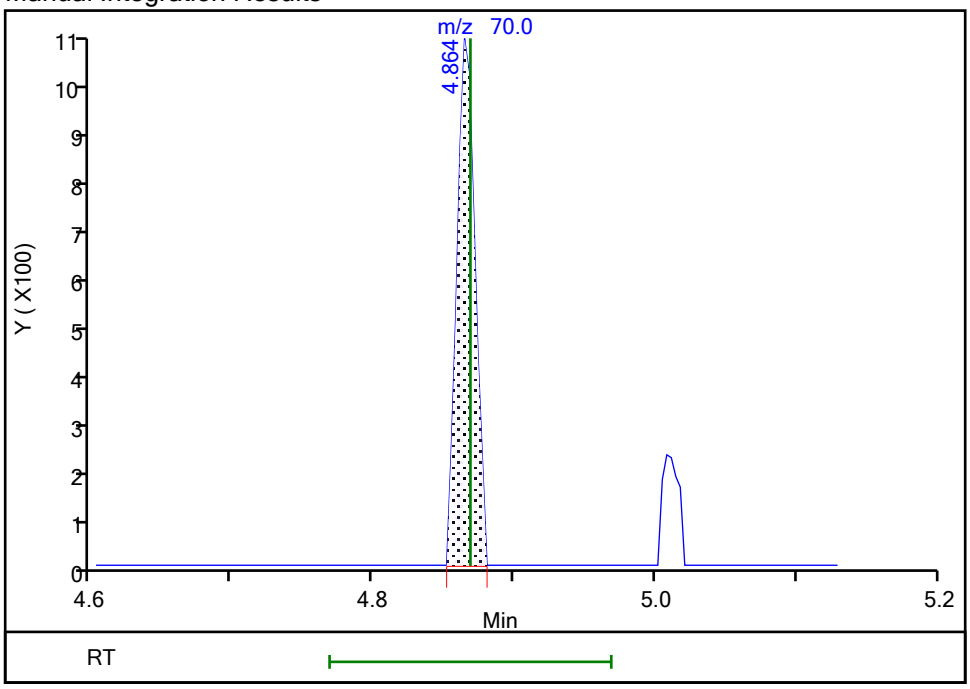
Not Detected
Expected RT: 4.87

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 978
Amount: 0.094669
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:09
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

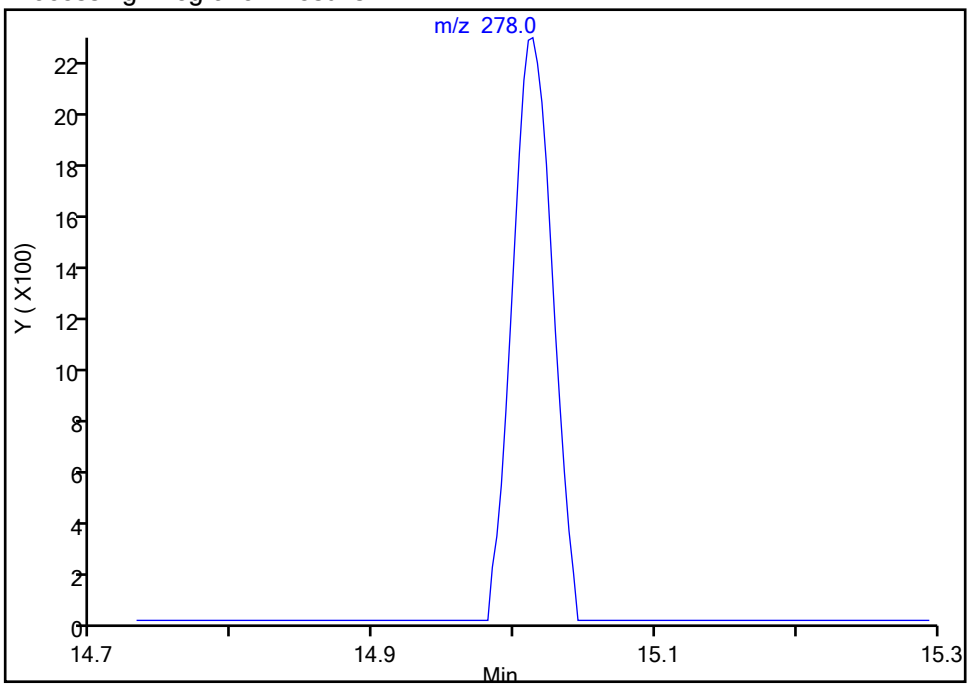
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d
Injection Date: 02-Feb-2023 18:36:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

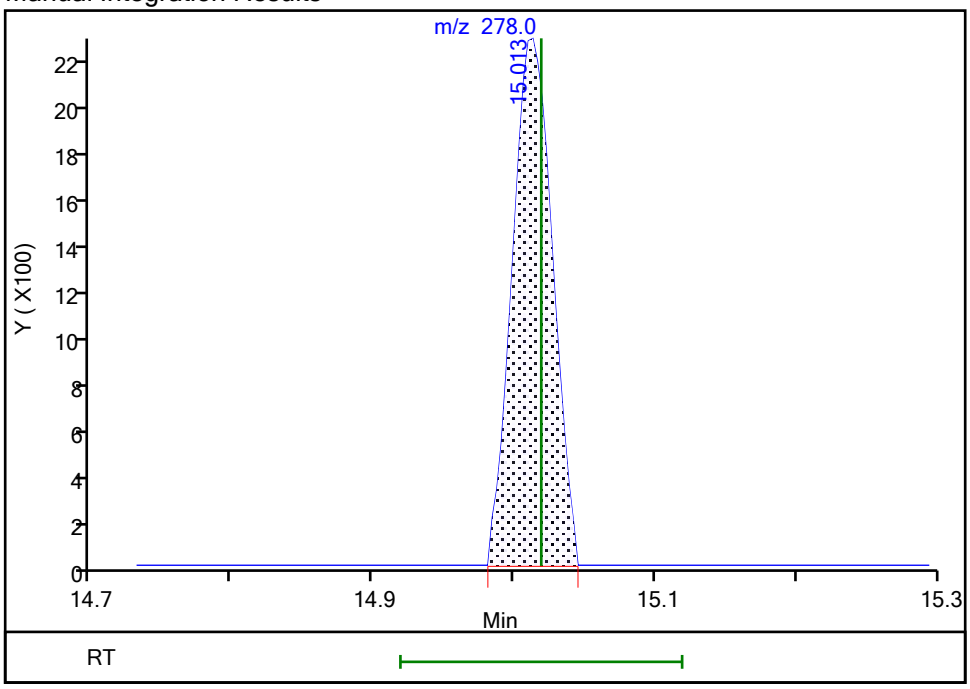
Not Detected
Expected RT: 15.02

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 4531
Amount: 0.086462
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:10:04
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

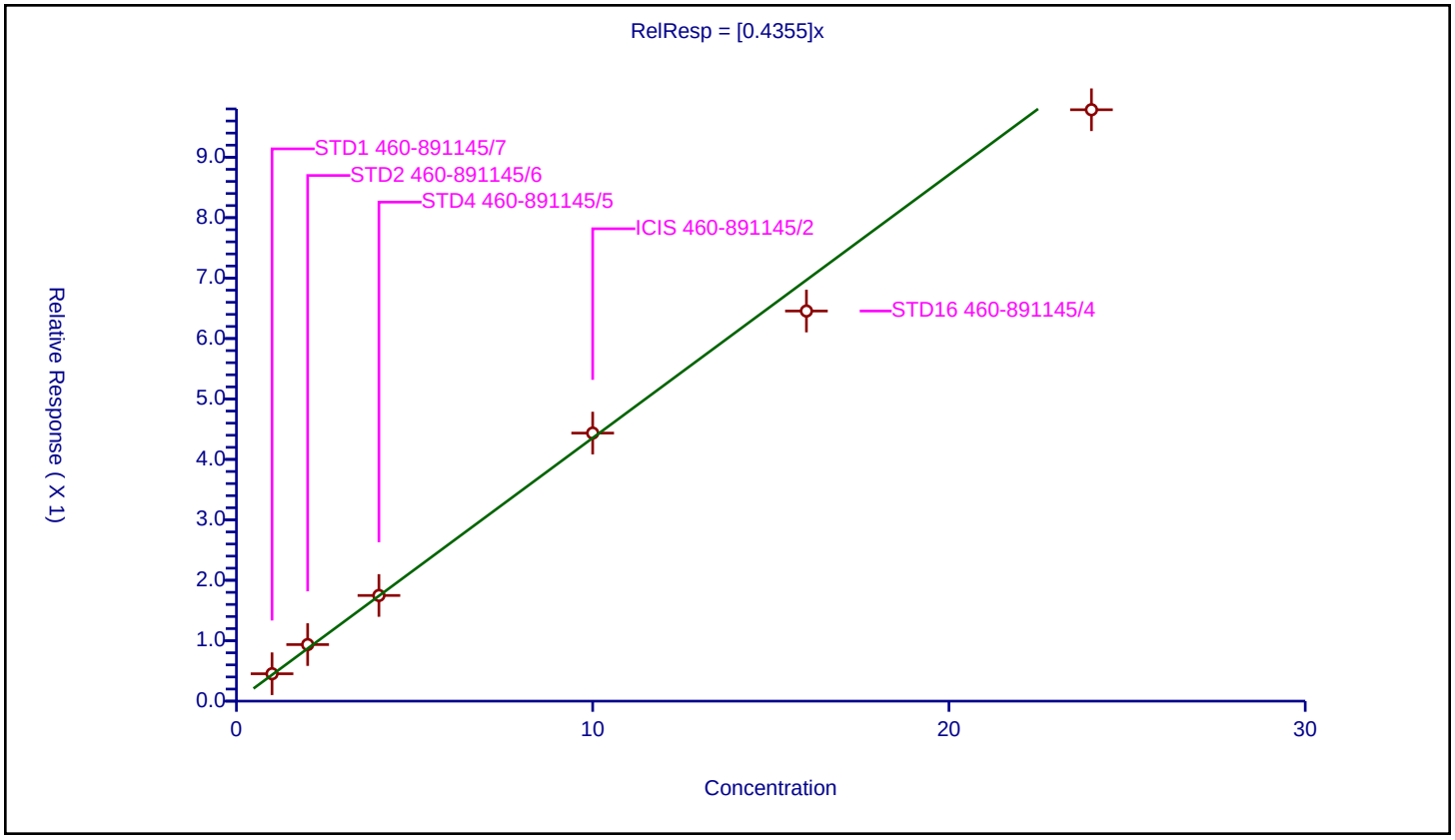
Curve Coefficients

Intercept:	0
Slope:	0.4355

Error Coefficients

Standard Error:	83800
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.453224	8.0	113092.0	0.453224	Y
2	STD2 460-891145/6	2.0	0.935727	8.0	121078.0	0.467864	Y
3	STD4 460-891145/5	4.0	1.748403	8.0	115534.0	0.437101	Y
4	ICIS 460-891145/2	10.0	4.435756	8.0	108446.0	0.443576	Y
5	STD16 460-891145/4	16.0	6.455224	8.0	118500.0	0.403451	Y
6	STD24 460-891145/3	24.0	9.785992	8.0	119790.0	0.40775	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

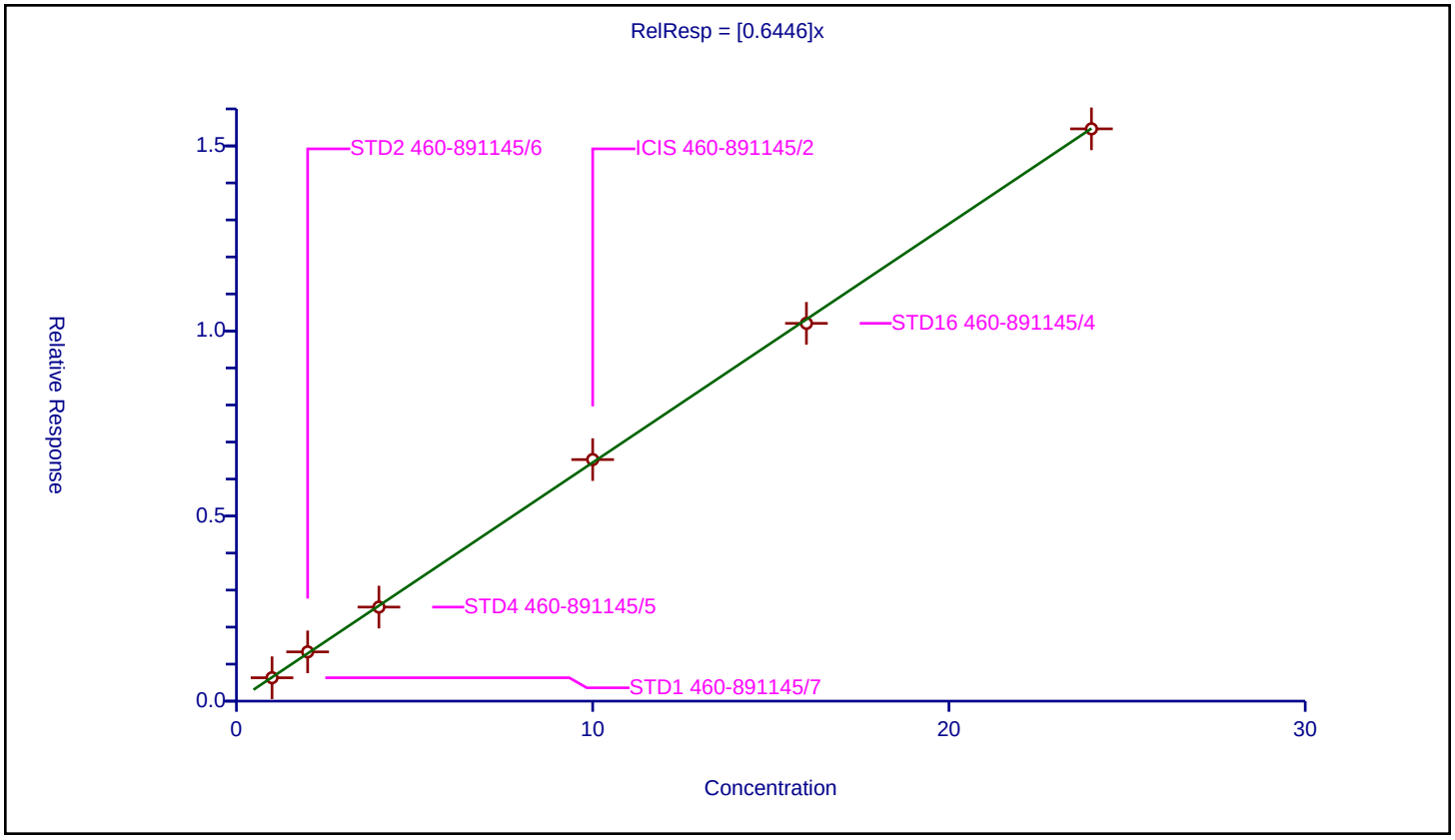
Curve Coefficients

Intercept:	0
Slope:	0.6446

Error Coefficients

Standard Error:	131000
Relative Standard Error:	1.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.632335	8.0	113092.0	0.632335	Y
2	STD2 460-891145/6	2.0	1.331109	8.0	121078.0	0.665554	Y
3	STD4 460-891145/5	4.0	2.541105	8.0	115534.0	0.635276	Y
4	ICIS 460-891145/2	10.0	6.525865	8.0	108446.0	0.652587	Y
5	STD16 460-891145/4	16.0	10.206312	8.0	118500.0	0.637895	Y
6	STD24 460-891145/3	24.0	15.461257	8.0	119790.0	0.644219	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

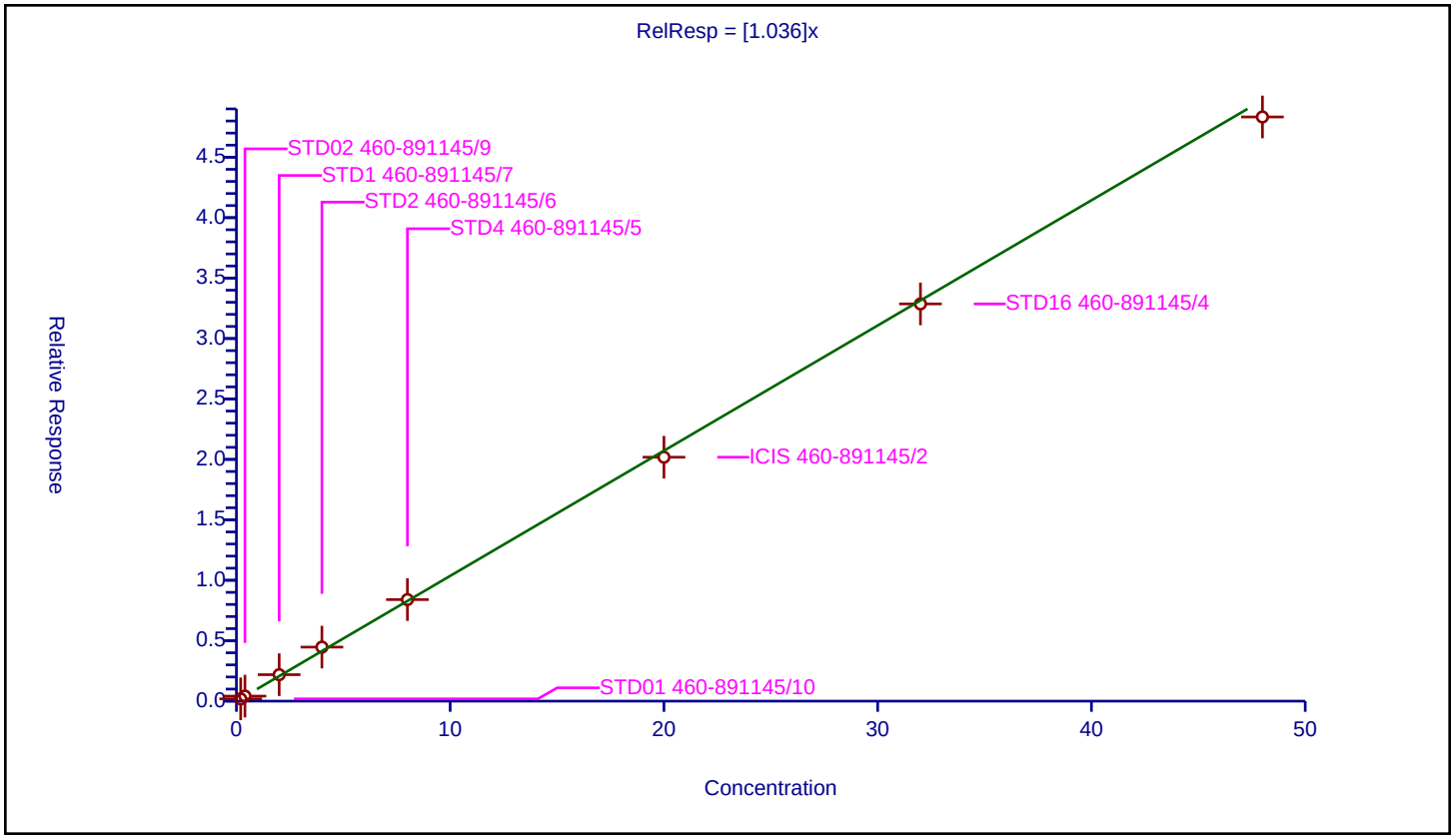
Curve Coefficients

Intercept:	0
Slope:	1.036

Error Coefficients

Standard Error:	350000
Relative Standard Error:	5.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.2	0.18873	8.0	117501.0	0.943652	Y
2	STD02 460-891145/9	0.4	0.415584	8.0	137811.0	1.038959	Y
3	STD1 460-891145/7	2.0	2.188731	8.0	113092.0	1.094366	Y
4	STD2 460-891145/6	4.0	4.469846	8.0	121078.0	1.117461	Y
5	STD4 460-891145/5	8.0	8.400782	8.0	115534.0	1.050098	Y
6	ICIS 460-891145/2	20.0	20.18103	8.0	108446.0	1.009052	Y
7	STD16 460-891145/4	32.0	32.86616	8.0	118500.0	1.027068	Y
8	STD24 460-891145/3	48.0	48.331246	8.0	119790.0	1.006901	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

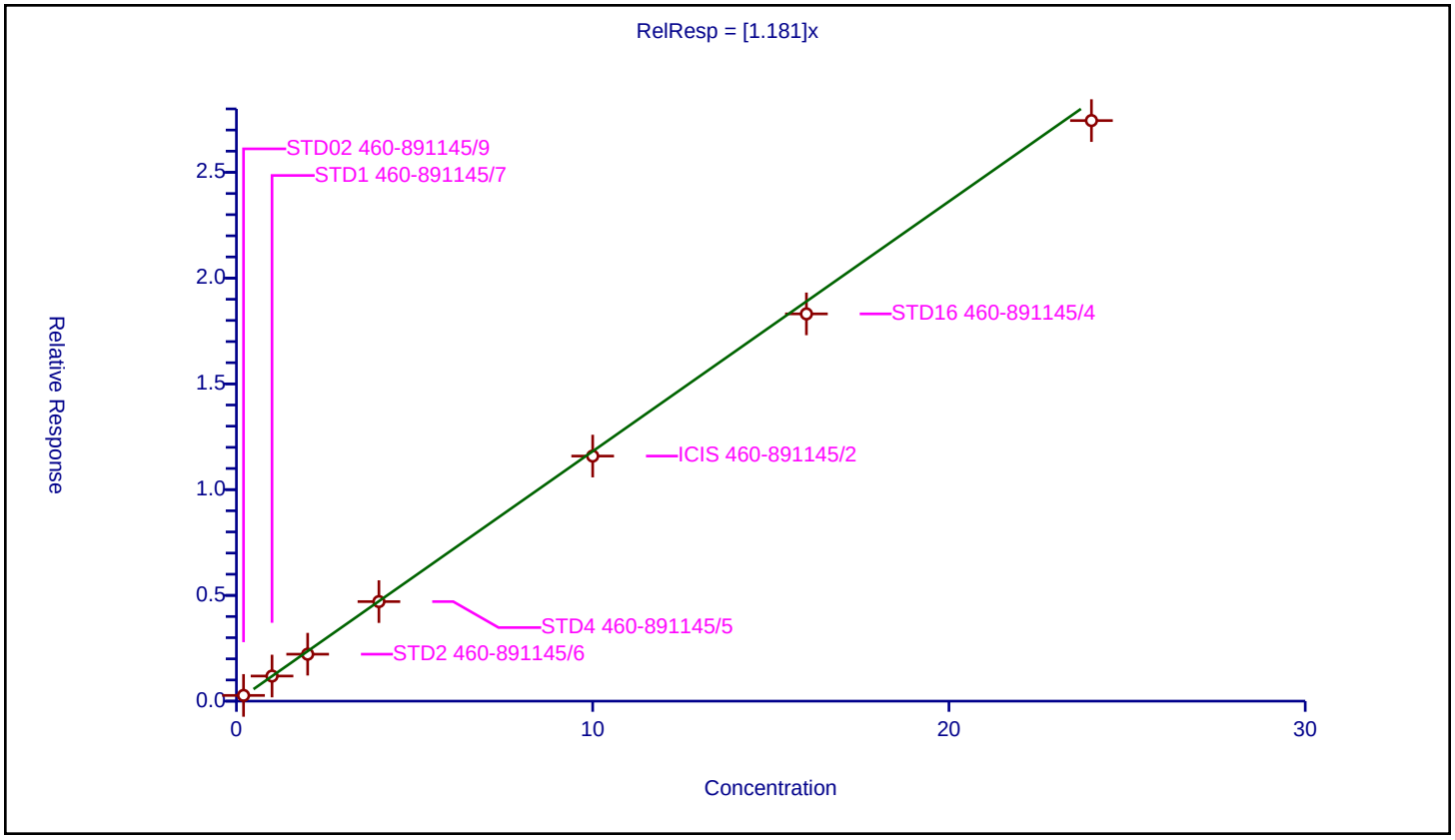
Curve Coefficients

Intercept:	0
Slope:	1.181

Error Coefficients

Standard Error:	213000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.269645	8.0	137811.0	1.348223	Y
2	STD1 460-891145/7	1.0	1.187281	8.0	113092.0	1.187281	Y
3	STD2 460-891145/6	2.0	2.218933	8.0	121078.0	1.109467	Y
4	STD4 460-891145/5	4.0	4.706493	8.0	115534.0	1.176623	Y
5	ICIS 460-891145/2	10.0	11.586744	8.0	108446.0	1.158674	Y
6	STD16 460-891145/4	16.0	18.308658	8.0	118500.0	1.144291	Y
7	STD24 460-891145/3	24.0	27.4475	8.0	119790.0	1.143646	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

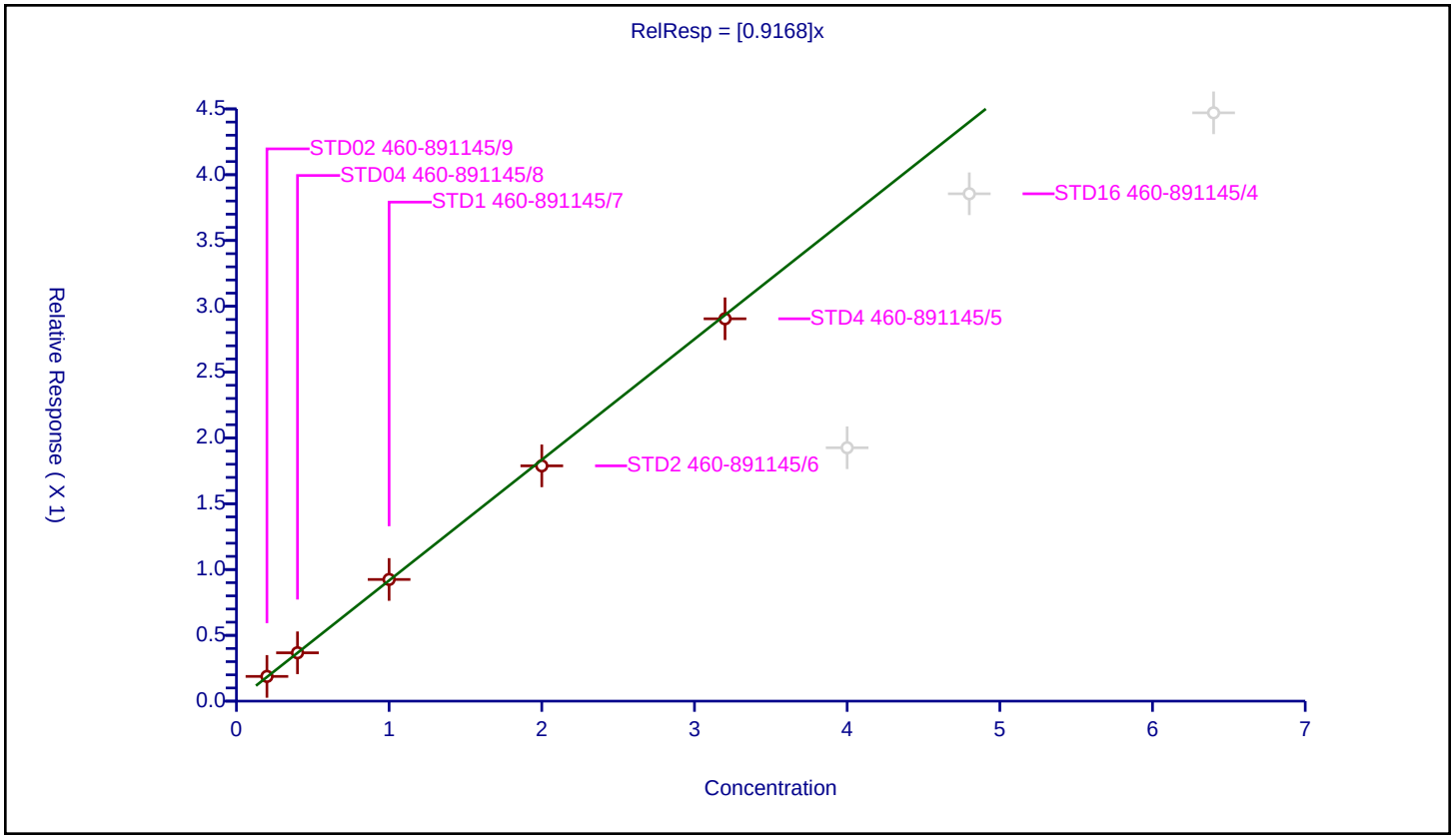
Curve Coefficients

Intercept:	0
Slope:	0.9168

Error Coefficients

Standard Error:	26000
Relative Standard Error:	1.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.187851	8.0	137811.0	0.939257	Y
2	STD04 460-891145/8	0.4	0.367453	8.0	120418.0	0.918633	Y
3	STD1 460-891145/7	1.0	0.924486	8.0	113092.0	0.924486	Y
4	STD2 460-891145/6	2.0	1.78774	8.0	121078.0	0.89387	Y
5	STD4 460-891145/5	3.2	2.905257	8.0	115534.0	0.907893	Y
6	ICIS 460-891145/2	4.0	1.925235	8.0	108446.0	0.481309	N
7	STD16 460-891145/4	4.8	3.855055	8.0	118500.0	0.803136	N
8	STD24 460-891145/3	6.4	4.470156	8.0	119790.0	0.698462	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

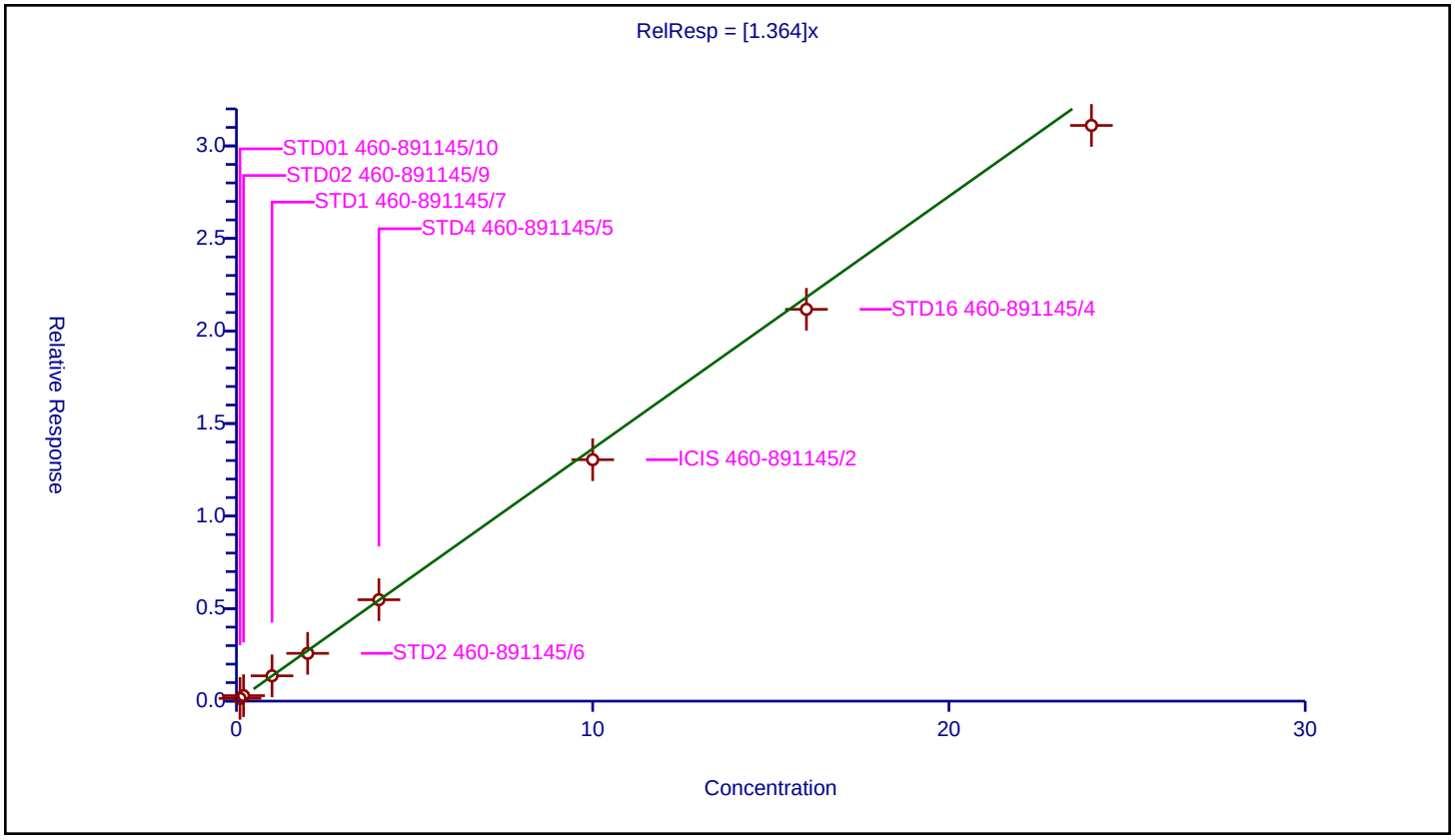
Curve Coefficients

Intercept:	0
Slope:	1.364

Error Coefficients

Standard Error:	225000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.14822	8.0	117501.0	1.4822	Y
2	STD02 460-891145/9	0.2	0.295187	8.0	137811.0	1.475934	Y
3	STD1 460-891145/7	1.0	1.367807	8.0	113092.0	1.367807	Y
4	STD2 460-891145/6	2.0	2.581807	8.0	121078.0	1.290903	Y
5	STD4 460-891145/5	4.0	5.479045	8.0	115534.0	1.369761	Y
6	ICIS 460-891145/2	10.0	13.045977	8.0	108446.0	1.304598	Y
7	STD16 460-891145/4	16.0	21.171646	8.0	118500.0	1.323228	Y
8	STD24 460-891145/3	24.0	31.106236	8.0	119790.0	1.296093	Y



2/7/2023 12:09 PM

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

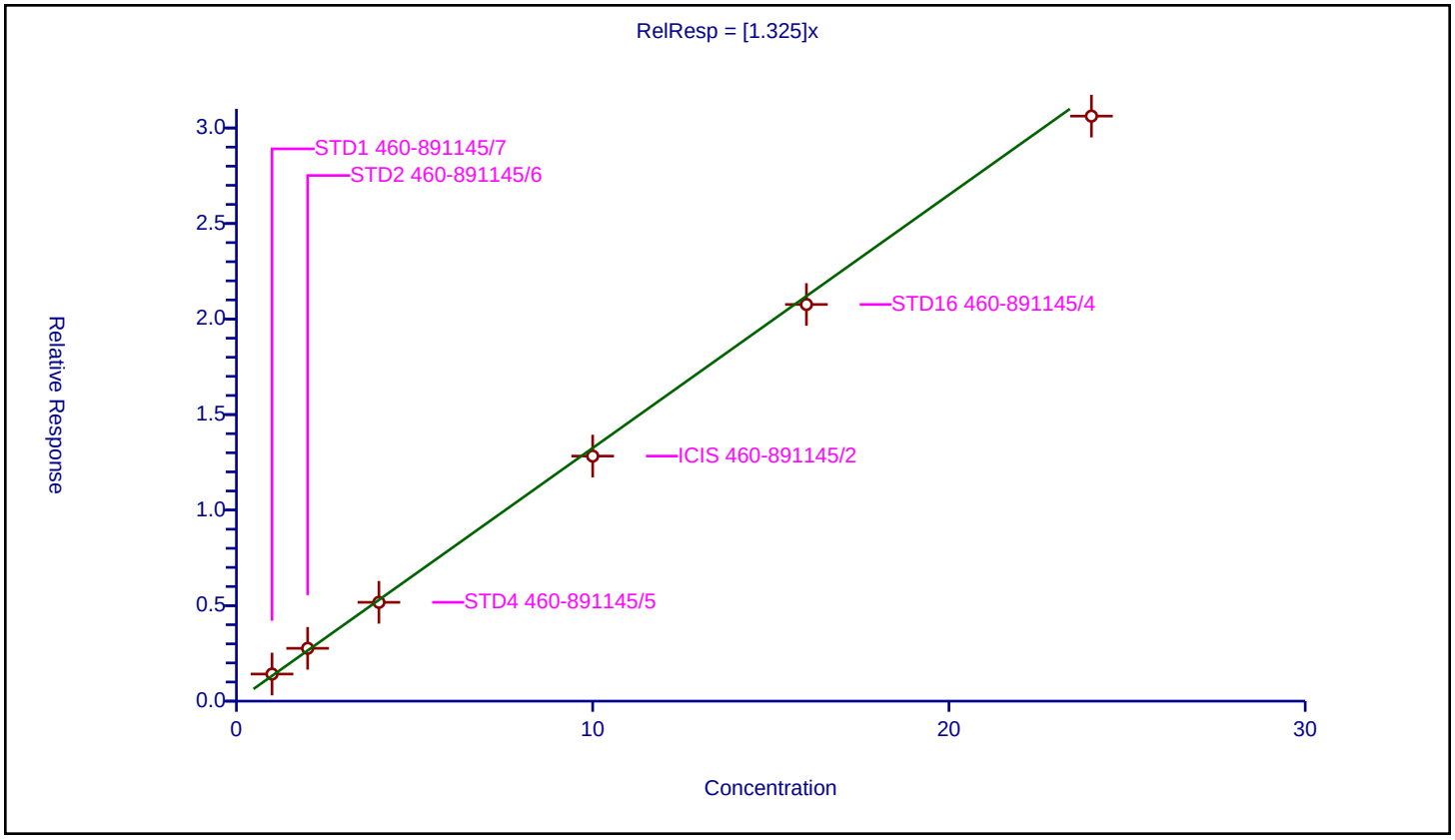
Curve Coefficients

Intercept:	0
Slope:	1.325

Error Coefficients

Standard Error:	262000
Relative Standard Error:	4.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.417819	8.0	113092.0	1.417819	Y
2	STD2 460-891145/6	2.0	2.765688	8.0	121078.0	1.382844	Y
3	STD4 460-891145/5	4.0	5.173404	8.0	115534.0	1.293351	Y
4	ICIS 460-891145/2	10.0	12.826734	8.0	108446.0	1.282673	Y
5	STD16 460-891145/4	16.0	20.763207	8.0	118500.0	1.2977	Y
6	STD24 460-891145/3	24.0	30.622256	8.0	119790.0	1.275927	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

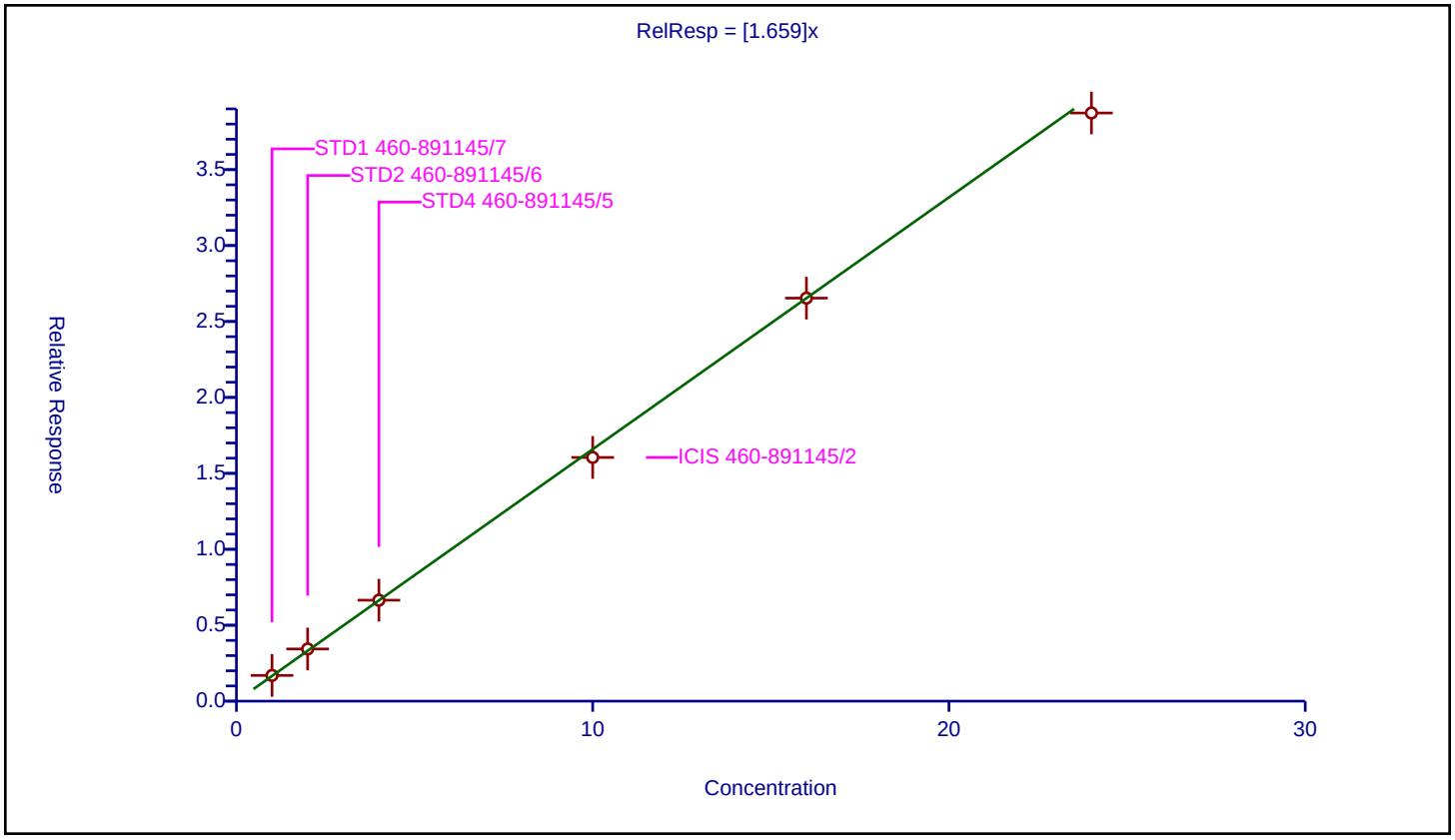
Curve Coefficients

Intercept:	0
Slope:	1.659

Error Coefficients

Standard Error:	332000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.693771	8.0	113092.0	1.693771	Y
2	STD2 460-891145/6	2.0	3.436132	8.0	121078.0	1.718066	Y
3	STD4 460-891145/5	4.0	6.648779	8.0	115534.0	1.662195	Y
4	ICIS 460-891145/2	10.0	16.047876	8.0	108446.0	1.604788	Y
5	STD16 460-891145/4	16.0	26.538667	8.0	118500.0	1.658667	Y
6	STD24 460-891145/3	24.0	38.730579	8.0	119790.0	1.613774	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

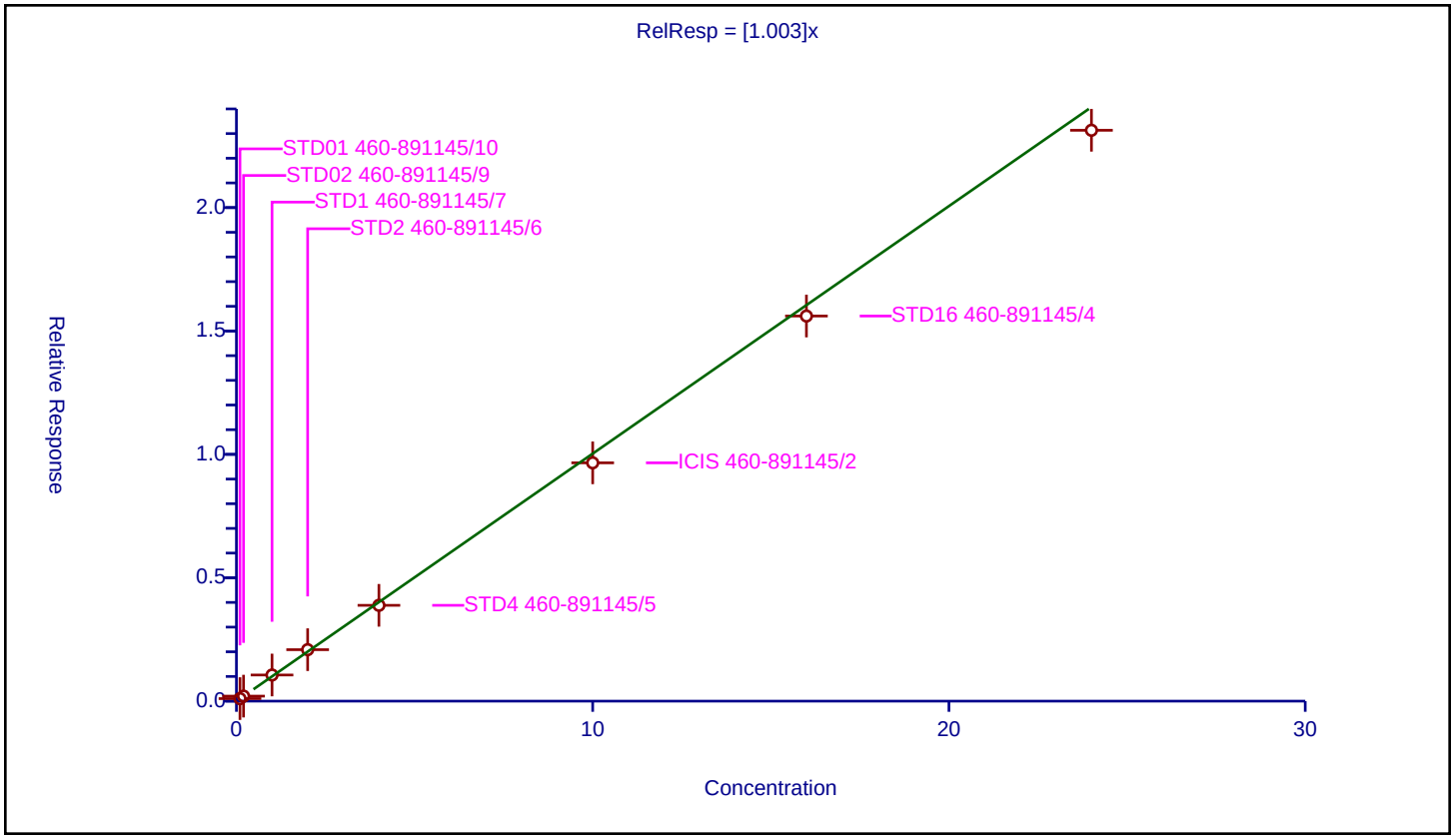
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Standard Error:	167000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.102876	8.0	117501.0	1.028757	Y
2	STD02 460-891145/9	0.2	0.203583	8.0	137811.0	1.017916	Y
3	STD1 460-891145/7	1.0	1.05889	8.0	113092.0	1.05889	Y
4	STD2 460-891145/6	2.0	2.08606	8.0	121078.0	1.04303	Y
5	STD4 460-891145/5	4.0	3.882424	8.0	115534.0	0.970606	Y
6	ICIS 460-891145/2	10.0	9.657157	8.0	108446.0	0.965716	Y
7	STD16 460-891145/4	16.0	15.606211	8.0	118500.0	0.975388	Y
8	STD24 460-891145/3	24.0	23.132816	8.0	119790.0	0.963867	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

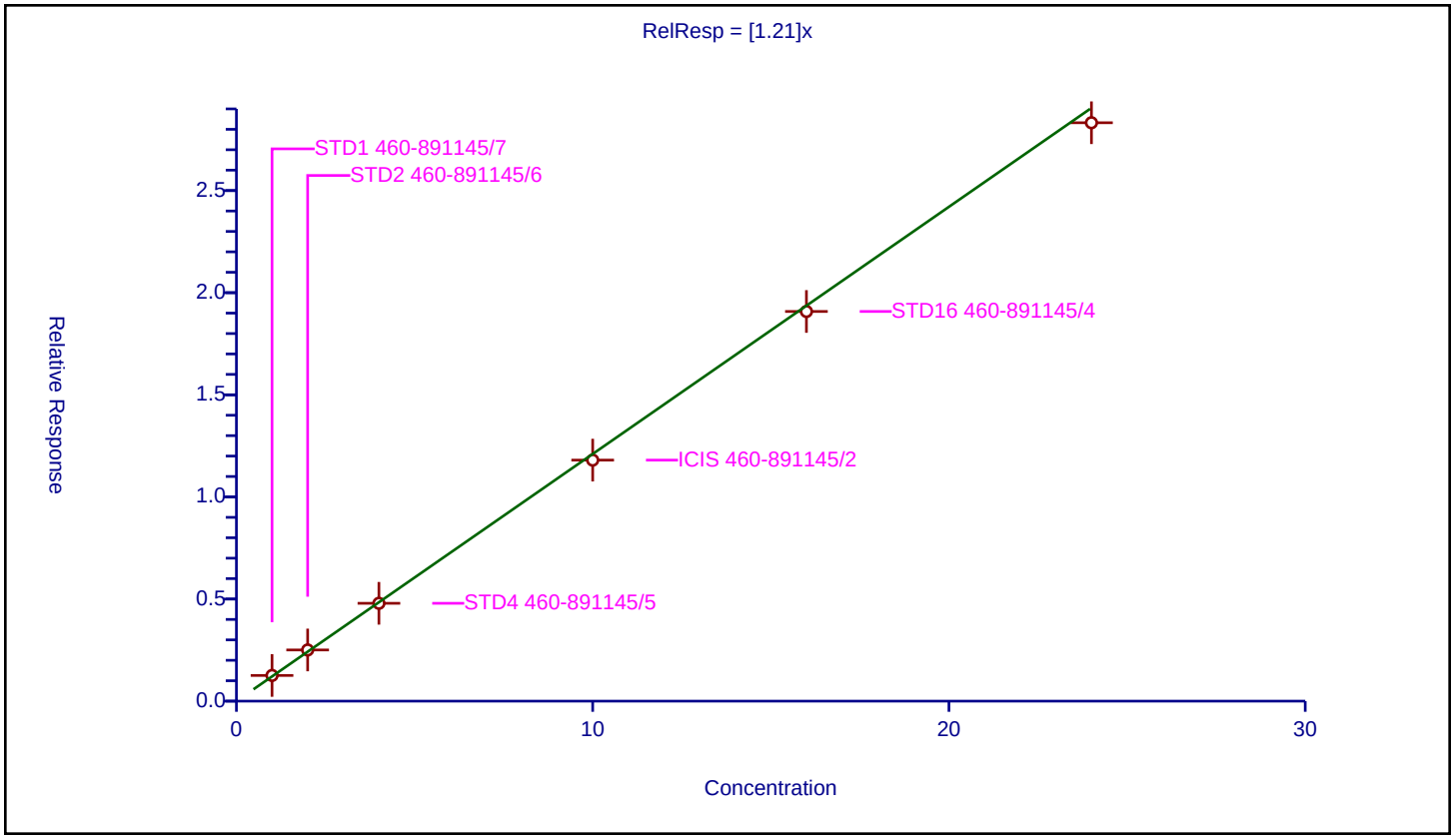
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Standard Error:	242000
Relative Standard Error:	3.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.257737	8.0	113092.0	1.257737	Y
2	STD2 460-891145/6	2.0	2.506549	8.0	121078.0	1.253275	Y
3	STD4 460-891145/5	4.0	4.790694	8.0	115534.0	1.197673	Y
4	ICIS 460-891145/2	10.0	11.802298	8.0	108446.0	1.18023	Y
5	STD16 460-891145/4	16.0	19.080034	8.0	118500.0	1.192502	Y
6	STD24 460-891145/3	24.0	28.321429	8.0	119790.0	1.18006	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

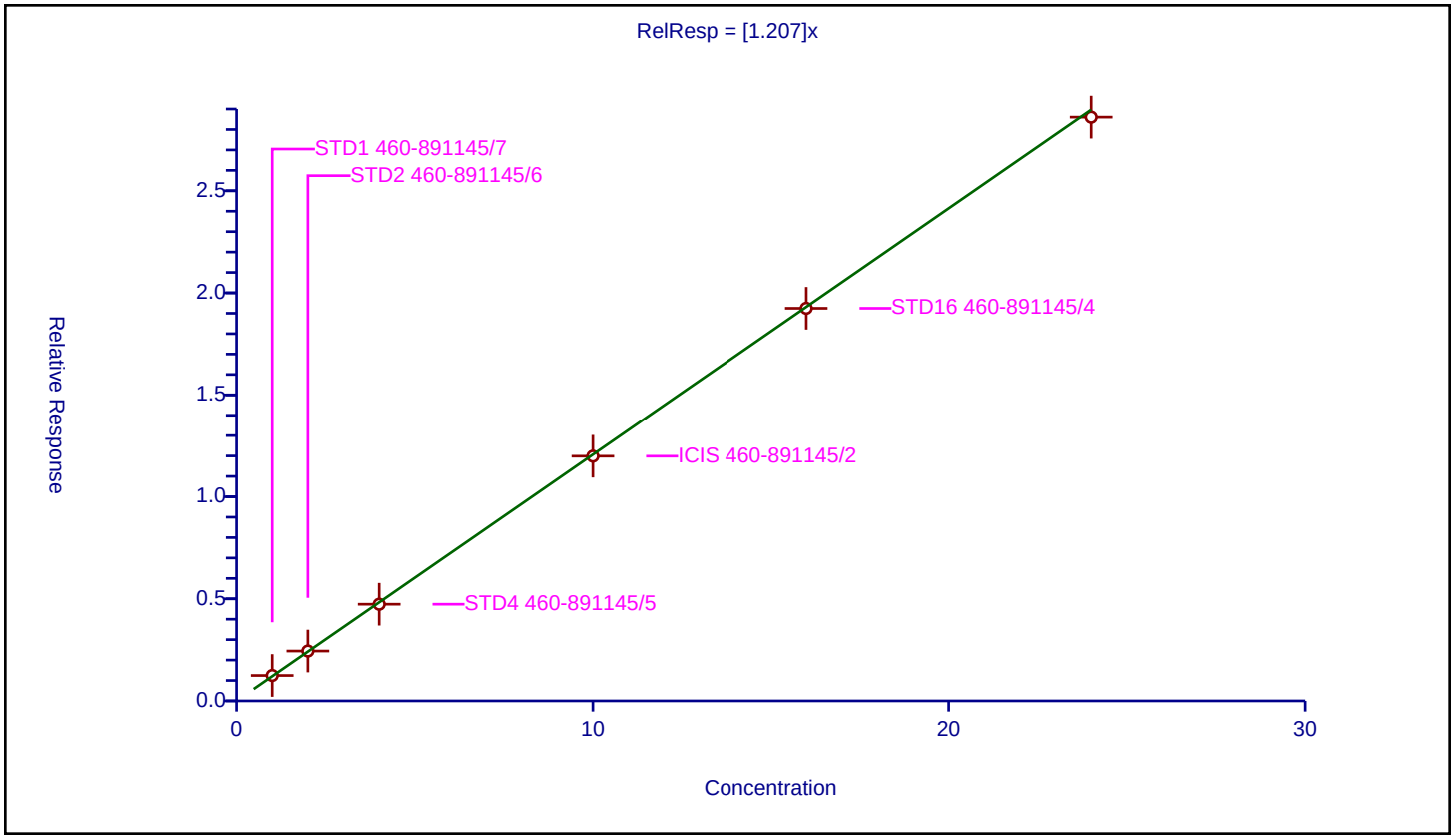
Curve Coefficients

Intercept:	0
Slope:	1.207

Error Coefficients

Standard Error:	244000
Relative Standard Error:	1.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.243519	8.0	113092.0	1.243519	Y
2	STD2 460-891145/6	2.0	2.441401	8.0	121078.0	1.220701	Y
3	STD4 460-891145/5	4.0	4.734814	8.0	115534.0	1.183703	Y
4	ICIS 460-891145/2	10.0	11.990262	8.0	108446.0	1.199026	Y
5	STD16 460-891145/4	16.0	19.243949	8.0	118500.0	1.202747	Y
6	STD24 460-891145/3	24.0	28.603122	8.0	119790.0	1.191797	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

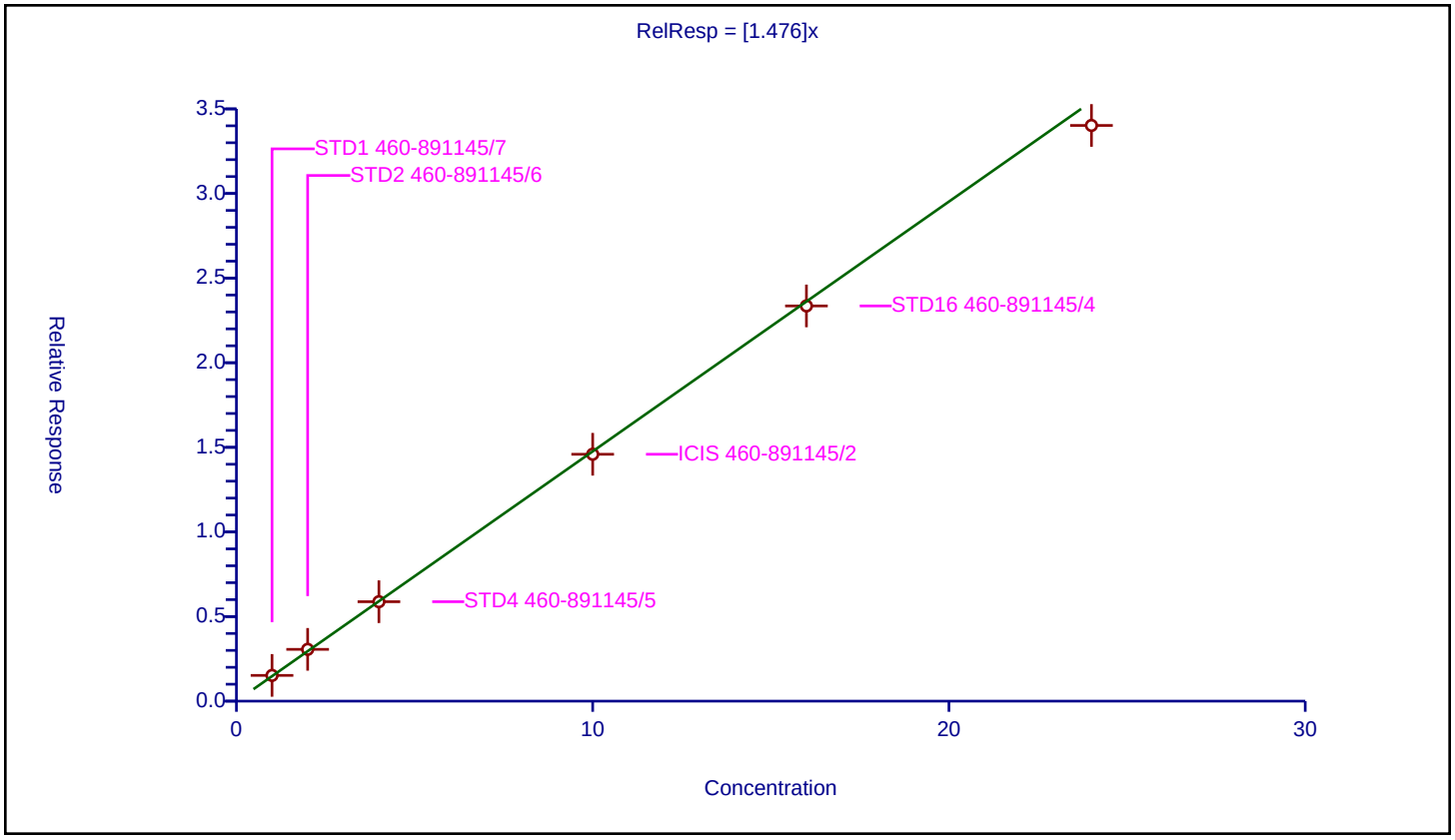
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Standard Error:	293000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.520461	8.0	113092.0	1.520461	Y
2	STD2 460-891145/6	2.0	3.061233	8.0	121078.0	1.530617	Y
3	STD4 460-891145/5	4.0	5.87595	8.0	115534.0	1.468987	Y
4	ICIS 460-891145/2	10.0	14.59034	8.0	108446.0	1.459034	Y
5	STD16 460-891145/4	16.0	23.356152	8.0	118500.0	1.459759	Y
6	STD24 460-891145/3	24.0	34.020803	8.0	119790.0	1.417533	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

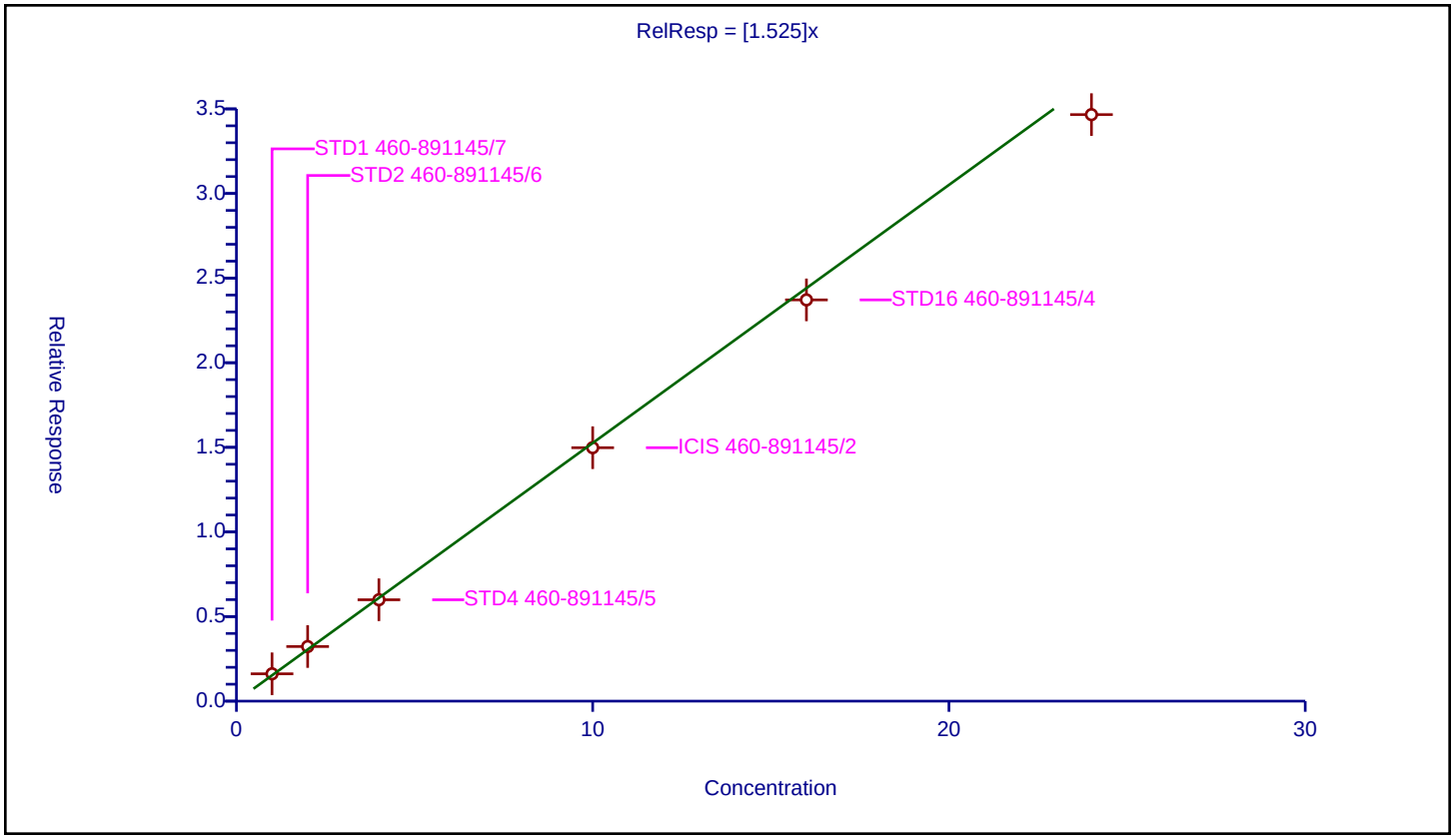
Curve Coefficients

Intercept:	0
Slope:	1.525

Error Coefficients

Standard Error:	298000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.616312	8.0	113092.0	1.616312	Y
2	STD2 460-891145/6	2.0	3.227341	8.0	121078.0	1.613671	Y
3	STD4 460-891145/5	4.0	5.991587	8.0	115534.0	1.497897	Y
4	ICIS 460-891145/2	10.0	14.977777	8.0	108446.0	1.497778	Y
5	STD16 460-891145/4	16.0	23.713485	8.0	118500.0	1.482093	Y
6	STD24 460-891145/3	24.0	34.660856	8.0	119790.0	1.444202	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

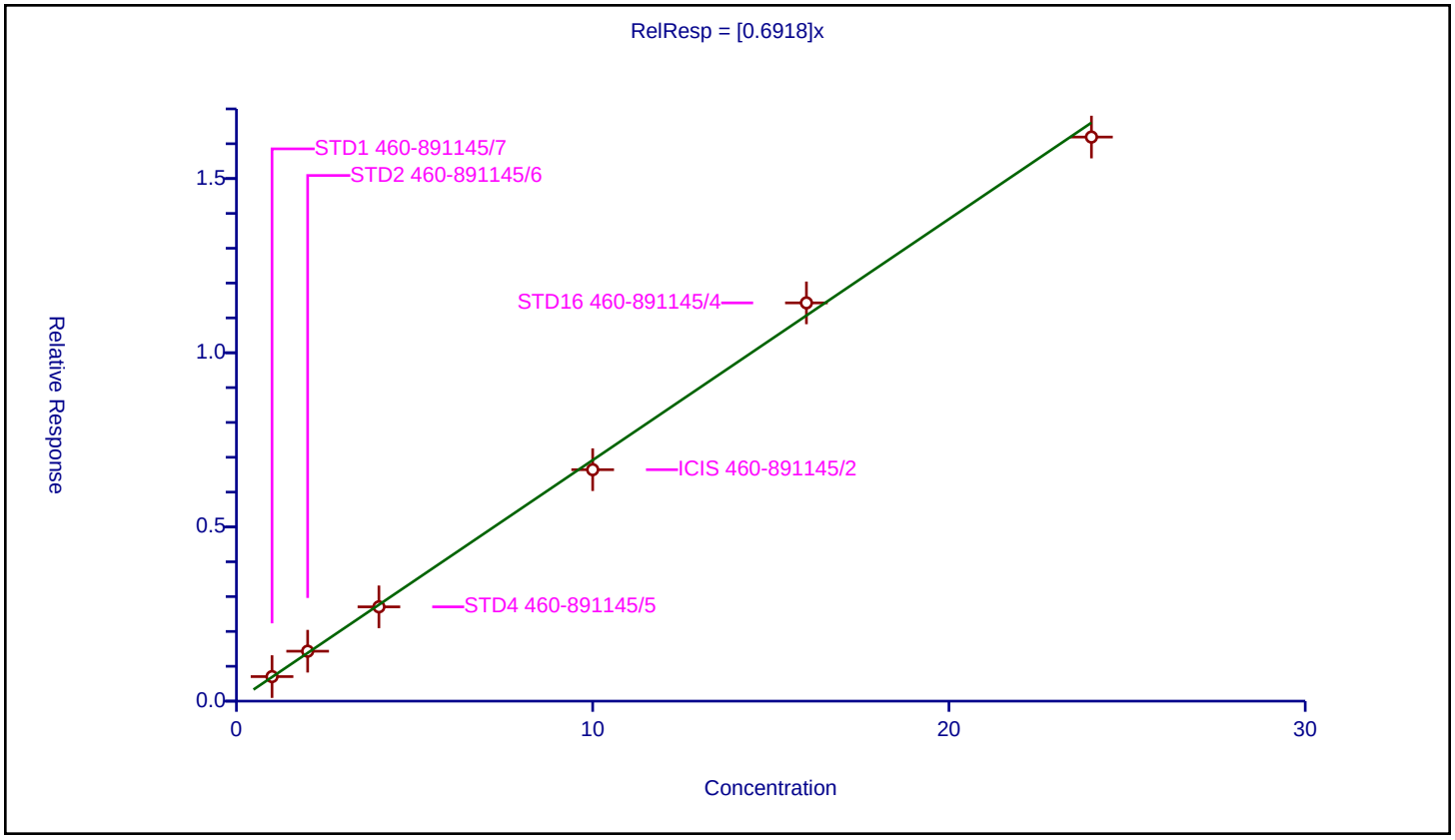
Curve Coefficients

Intercept:	0
Slope:	0.6918

Error Coefficients

Standard Error:	140000
Relative Standard Error:	3.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.704135	8.0	113092.0	0.704135	Y
2	STD2 460-891145/6	2.0	1.433126	8.0	121078.0	0.716563	Y
3	STD4 460-891145/5	4.0	2.706597	8.0	115534.0	0.676649	Y
4	ICIS 460-891145/2	10.0	6.644118	8.0	108446.0	0.664412	Y
5	STD16 460-891145/4	16.0	11.432371	8.0	118500.0	0.714523	Y
6	STD24 460-891145/3	24.0	16.192003	8.0	119790.0	0.674667	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

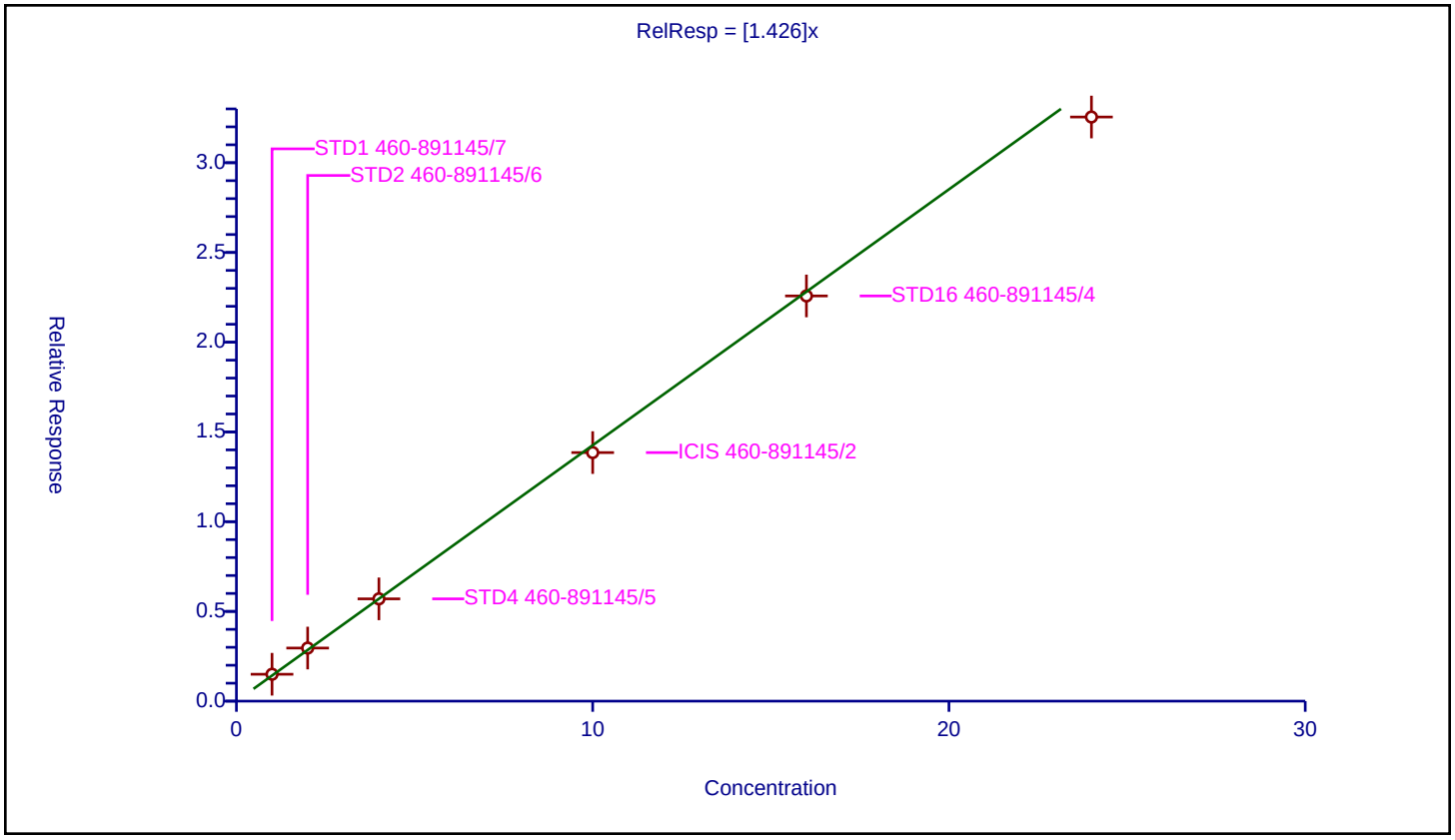
Curve Coefficients

Intercept:	0
Slope:	1.426

Error Coefficients

Standard Error:	281000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.498391	8.0	113092.0	1.498391	Y
2	STD2 460-891145/6	2.0	2.957829	8.0	121078.0	1.478914	Y
3	STD4 460-891145/5	4.0	5.699863	8.0	115534.0	1.424966	Y
4	ICIS 460-891145/2	10.0	13.850137	8.0	108446.0	1.385014	Y
5	STD16 460-891145/4	16.0	22.57762	8.0	118500.0	1.411101	Y
6	STD24 460-891145/3	24.0	32.548026	8.0	119790.0	1.356168	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

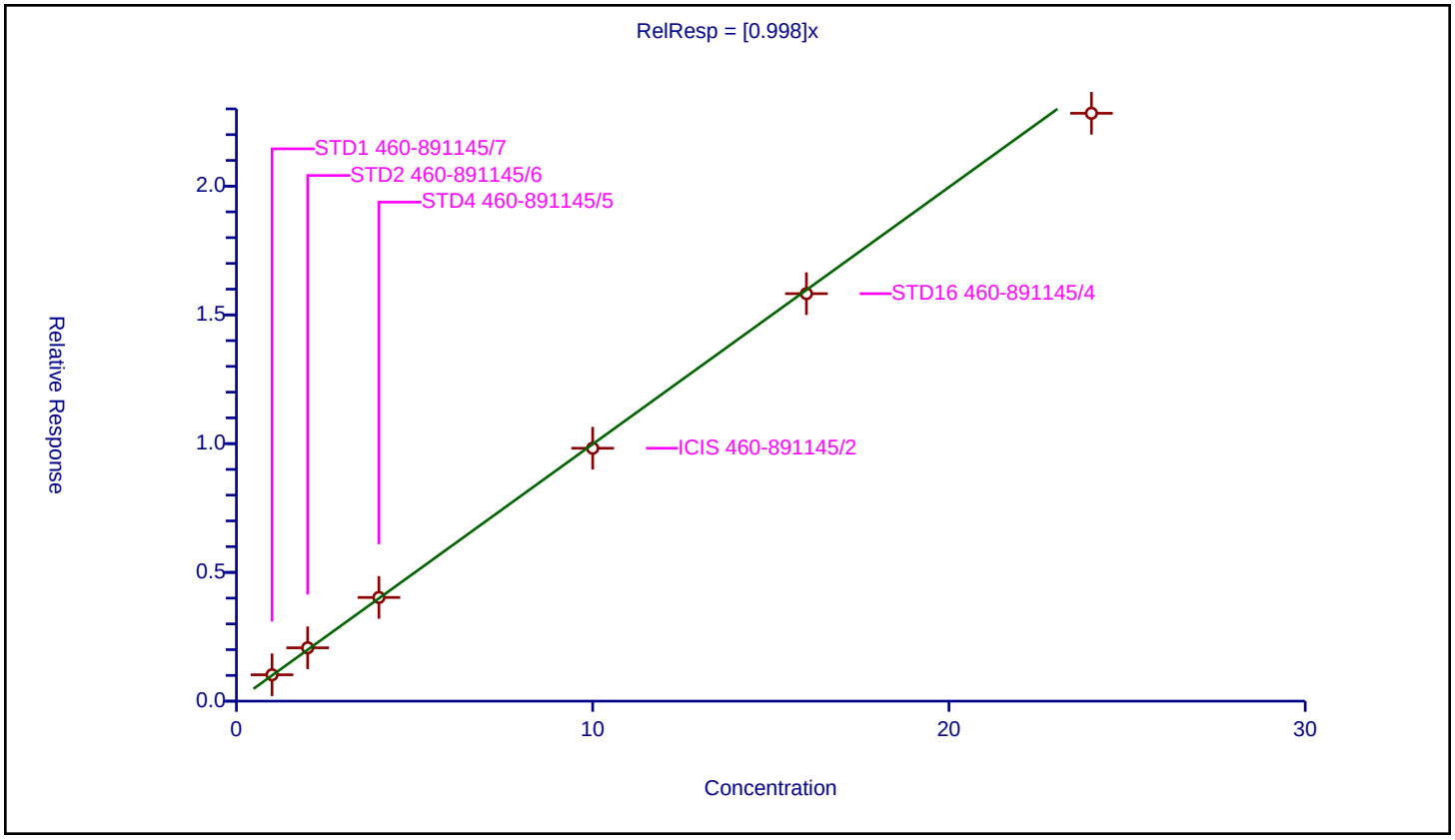
Curve Coefficients

Intercept:	0
Slope:	0.998

Error Coefficients

Standard Error:	197000
Relative Standard Error:	3.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.023238	8.0	113092.0	1.023238	Y
2	STD2 460-891145/6	2.0	2.071062	8.0	121078.0	1.035531	Y
3	STD4 460-891145/5	4.0	4.026382	8.0	115534.0	1.006595	Y
4	ICIS 460-891145/2	10.0	9.821294	8.0	108446.0	0.982129	Y
5	STD16 460-891145/4	16.0	15.825148	8.0	118500.0	0.989072	Y
6	STD24 460-891145/3	24.0	22.829685	8.0	119790.0	0.951237	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

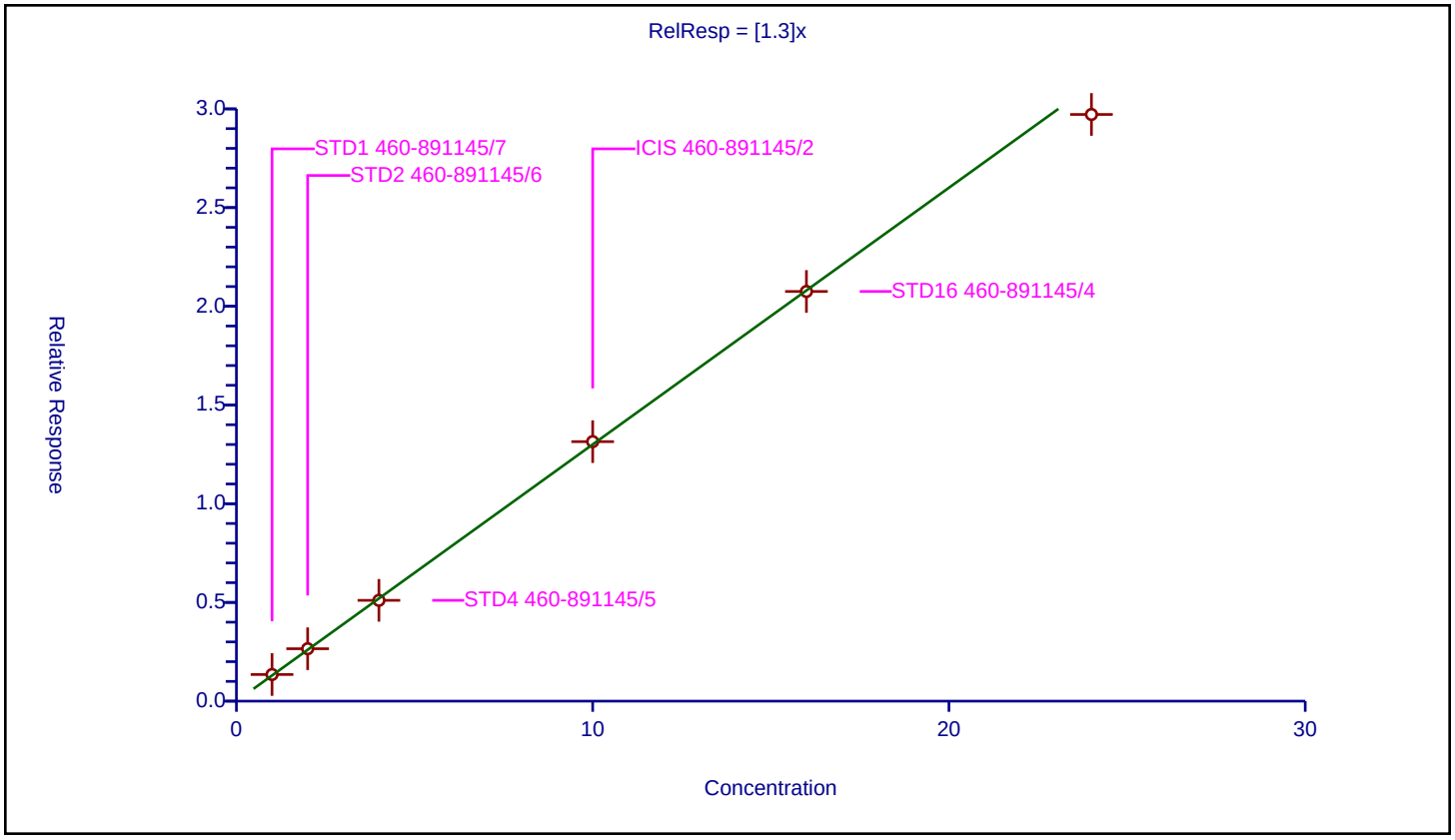
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Standard Error:	258000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.348566	8.0	113092.0	1.348566	Y
2	STD2 460-891145/6	2.0	2.654025	8.0	121078.0	1.327012	Y
3	STD4 460-891145/5	4.0	5.105406	8.0	115534.0	1.276352	Y
4	ICIS 460-891145/2	10.0	13.145861	8.0	108446.0	1.314586	Y
5	STD16 460-891145/4	16.0	20.752203	8.0	118500.0	1.297013	Y
6	STD24 460-891145/3	24.0	29.717606	8.0	119790.0	1.238234	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

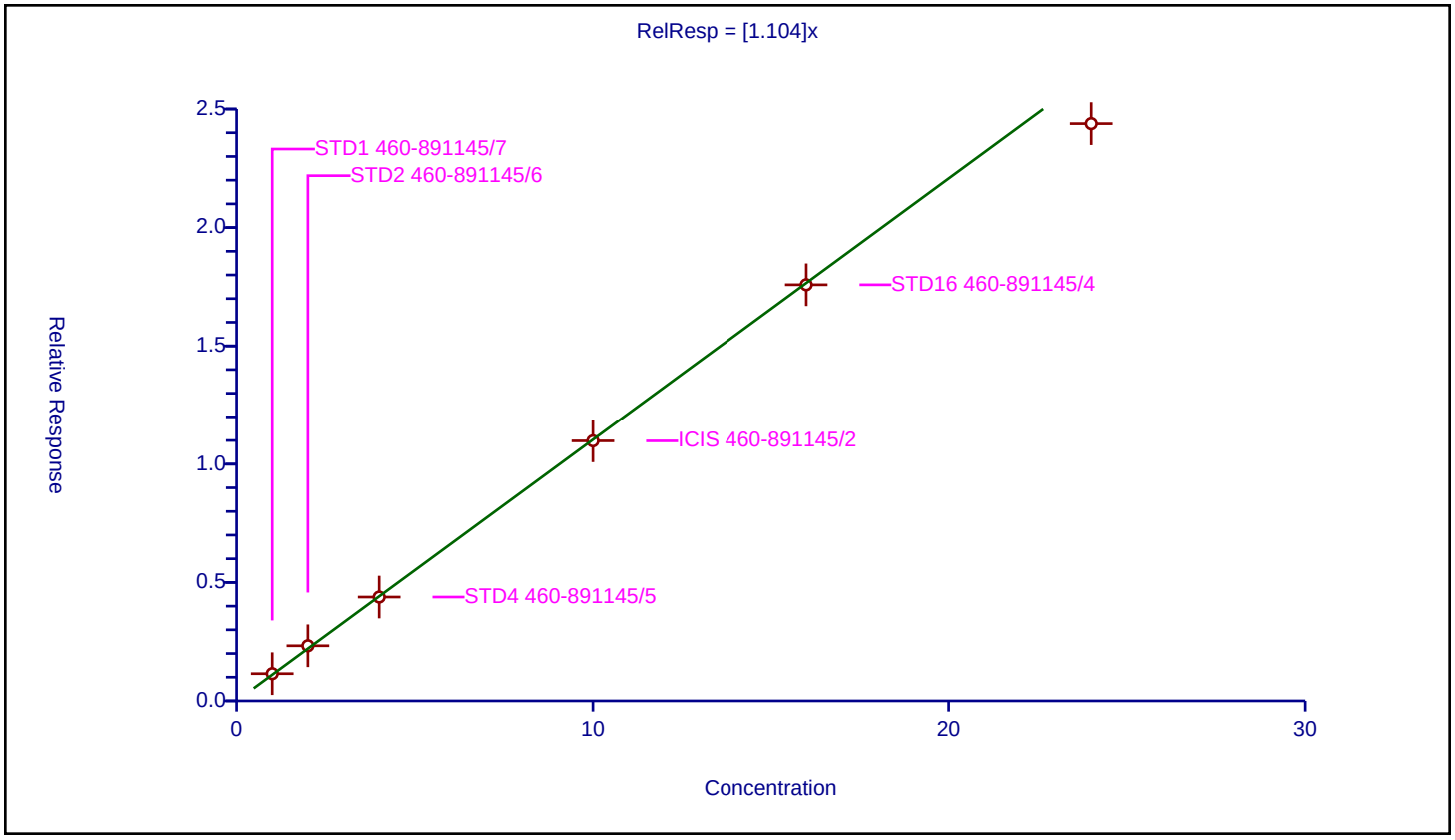
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Standard Error:	214000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.148587	8.0	113092.0	1.148587	Y
2	STD2 460-891145/6	2.0	2.326566	8.0	121078.0	1.163283	Y
3	STD4 460-891145/5	4.0	4.383679	8.0	115534.0	1.09592	Y
4	ICIS 460-891145/2	10.0	10.984047	8.0	108446.0	1.098405	Y
5	STD16 460-891145/4	16.0	17.585418	8.0	118500.0	1.099089	Y
6	STD24 460-891145/3	24.0	24.385541	8.0	119790.0	1.016064	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

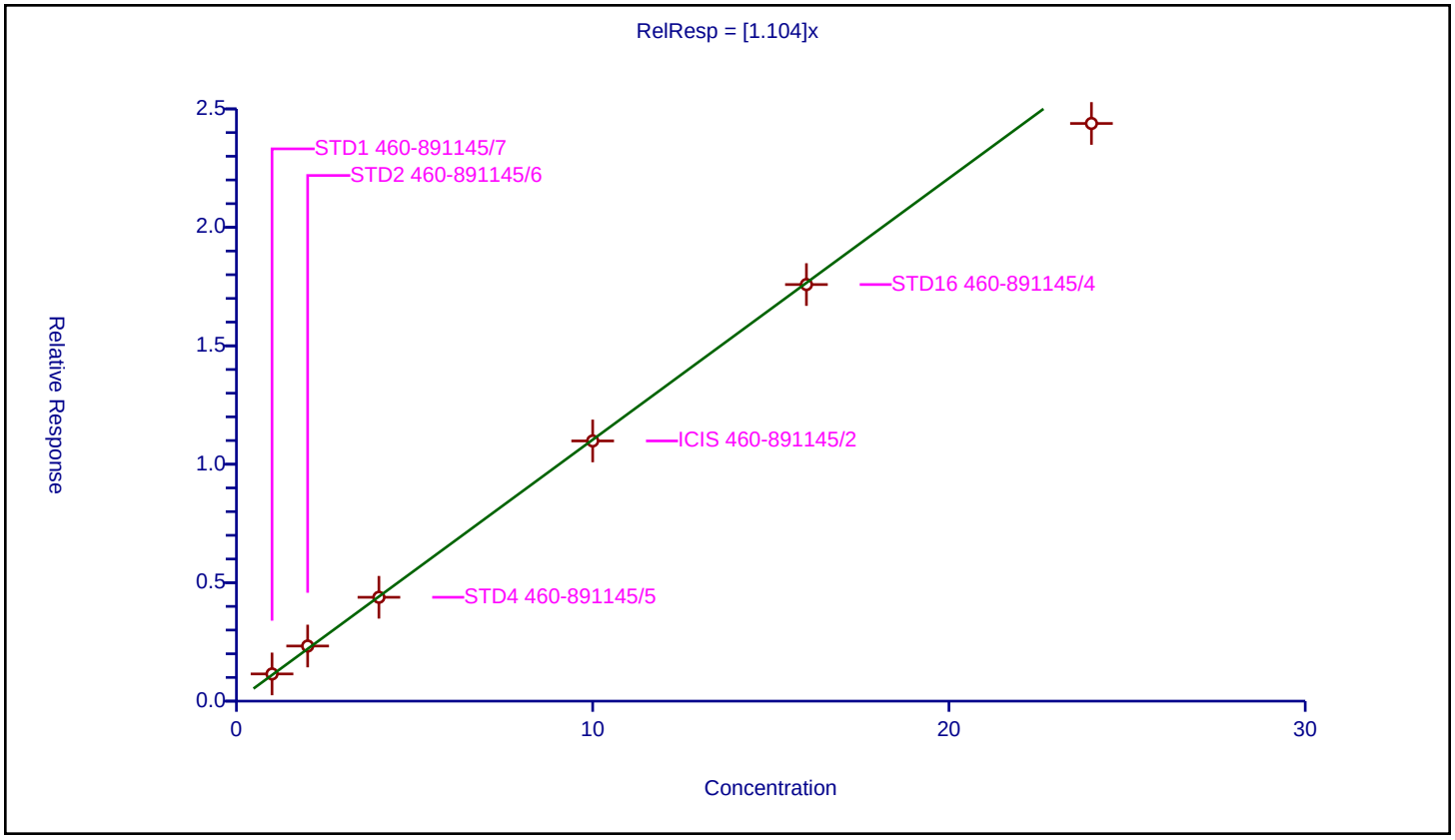
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Standard Error:	214000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.148587	8.0	113092.0	1.148587	Y
2	STD2 460-891145/6	2.0	2.326566	8.0	121078.0	1.163283	Y
3	STD4 460-891145/5	4.0	4.383679	8.0	115534.0	1.09592	Y
4	ICIS 460-891145/2	10.0	10.984047	8.0	108446.0	1.098405	Y
5	STD16 460-891145/4	16.0	17.585418	8.0	118500.0	1.099089	Y
6	STD24 460-891145/3	24.0	24.385541	8.0	119790.0	1.016064	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

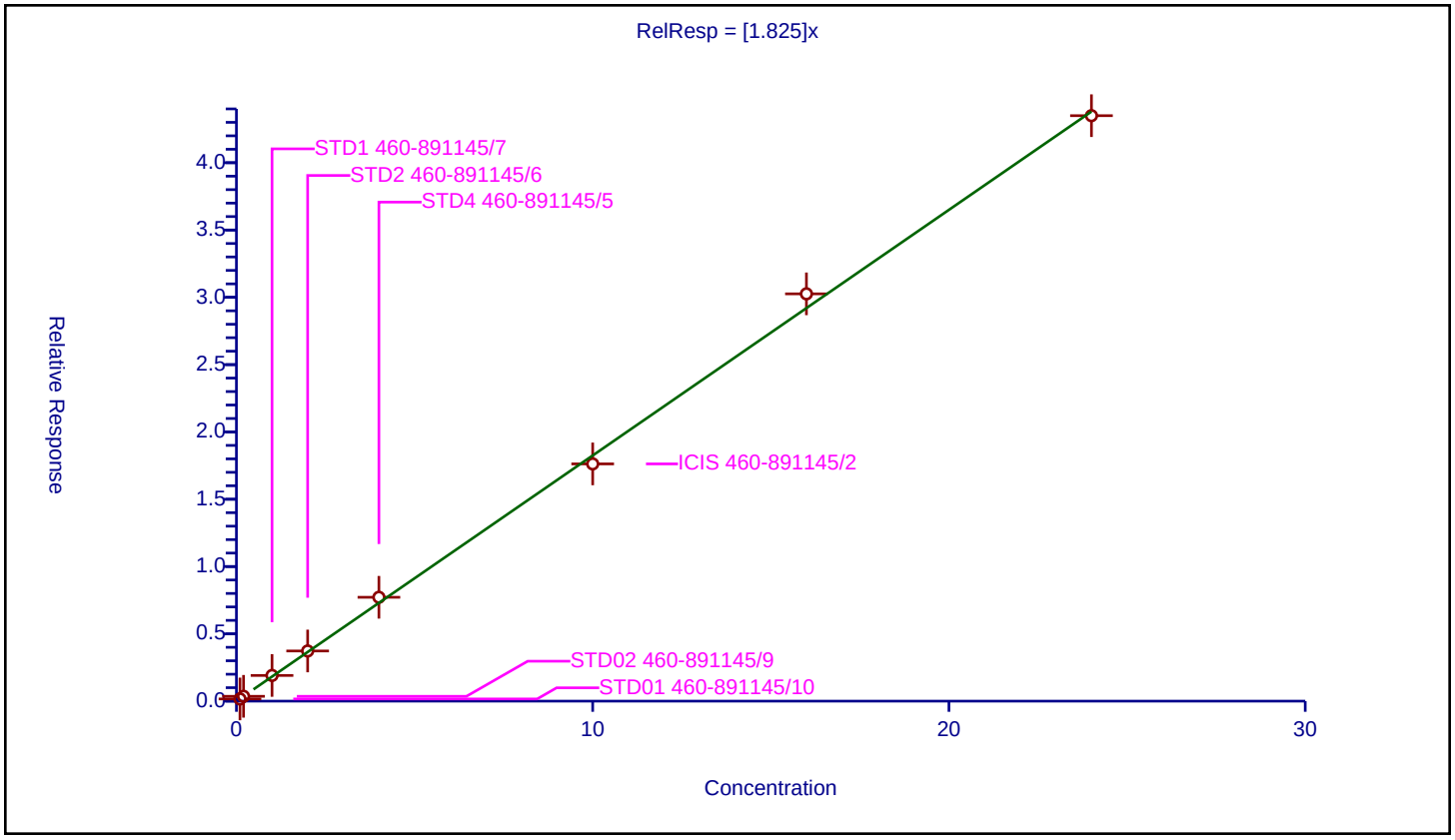
Curve Coefficients

Intercept:	0
Slope:	1.825

Error Coefficients

Standard Error:	316000
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.163539	8.0	117501.0	1.63539	Y
2	STD02 460-891145/9	0.2	0.359565	8.0	137811.0	1.797825	Y
3	STD1 460-891145/7	1.0	1.907757	8.0	113092.0	1.907757	Y
4	STD2 460-891145/6	2.0	3.727647	8.0	121078.0	1.863823	Y
5	STD4 460-891145/5	4.0	7.715962	8.0	115534.0	1.928991	Y
6	ICIS 460-891145/2	10.0	17.625362	8.0	108446.0	1.762536	Y
7	STD16 460-891145/4	16.0	30.260523	8.0	118500.0	1.891283	Y
8	STD24 460-891145/3	24.0	43.496051	8.0	119790.0	1.812335	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

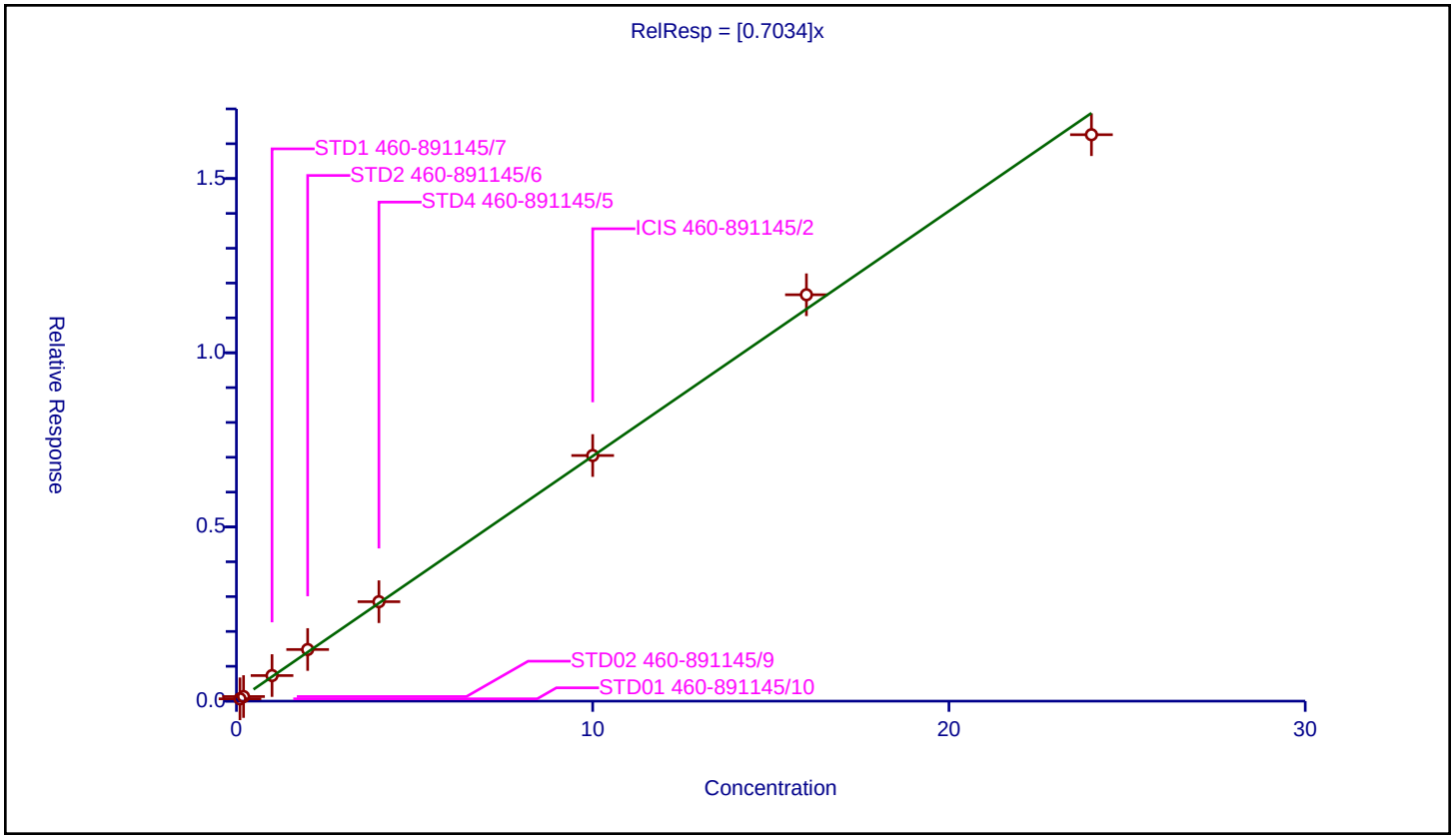
Curve Coefficients

Intercept:	0
Slope:	0.7034

Error Coefficients

Standard Error:	120000
Relative Standard Error:	4.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.066587	8.0	117501.0	0.665867	Y
2	STD02 460-891145/9	0.2	0.132181	8.0	137811.0	0.660905	Y
3	STD1 460-891145/7	1.0	0.734128	8.0	113092.0	0.734128	Y
4	STD2 460-891145/6	2.0	1.481822	8.0	121078.0	0.740911	Y
5	STD4 460-891145/5	4.0	2.854155	8.0	115534.0	0.713539	Y
6	ICIS 460-891145/2	10.0	7.050292	8.0	108446.0	0.705029	Y
7	STD16 460-891145/4	16.0	11.665283	8.0	118500.0	0.72908	Y
8	STD24 460-891145/3	24.0	16.259187	8.0	119790.0	0.677466	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

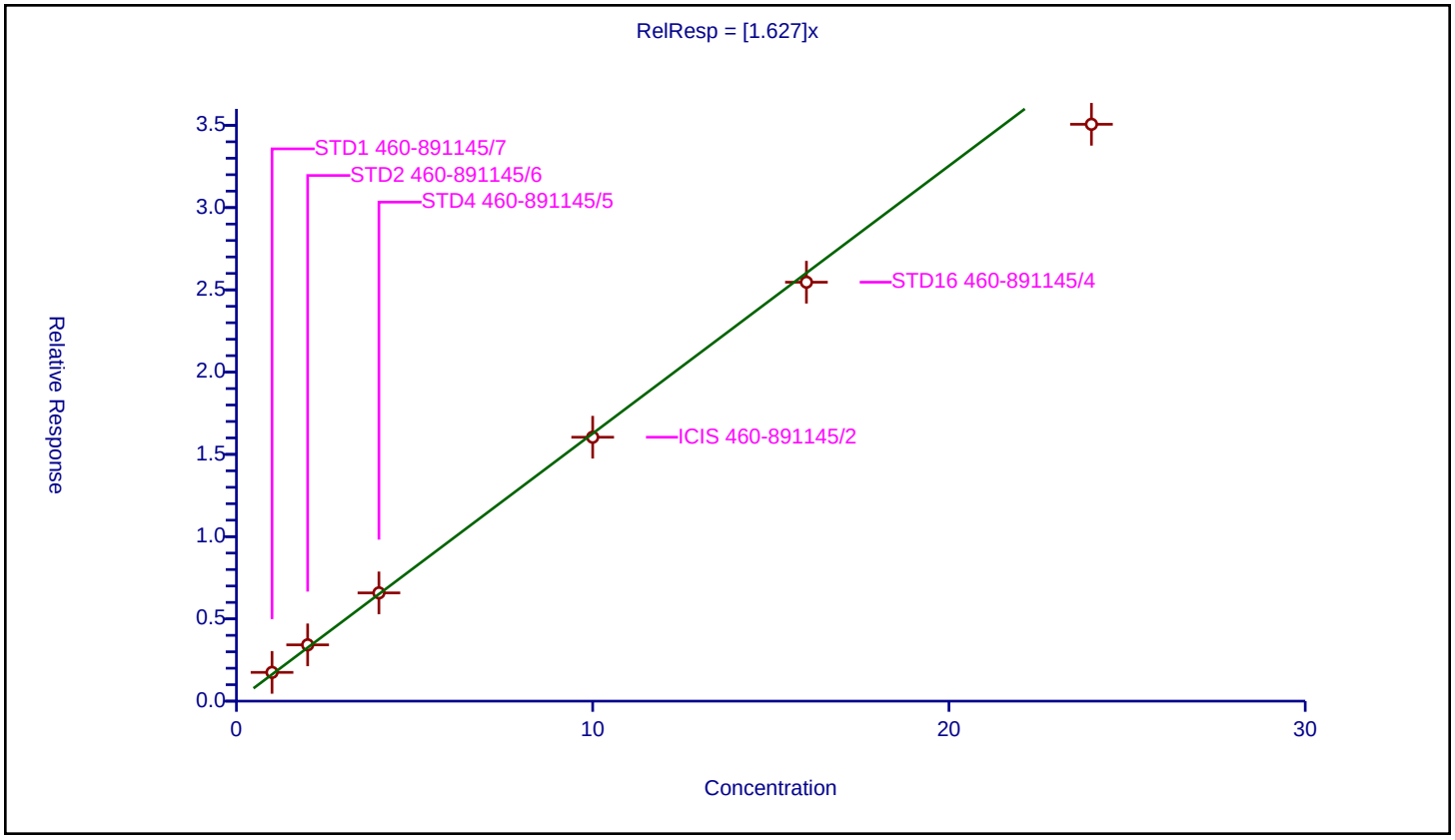
Curve Coefficients

Intercept:	0
Slope:	1.627

Error Coefficients

Standard Error:	309000
Relative Standard Error:	6.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.748028	8.0	113092.0	1.748028	Y
2	STD2 460-891145/6	2.0	3.421133	8.0	121078.0	1.710567	Y
3	STD4 460-891145/5	4.0	6.579604	8.0	115534.0	1.644901	Y
4	ICIS 460-891145/2	10.0	16.043598	8.0	108446.0	1.60436	Y
5	STD16 460-891145/4	16.0	25.465451	8.0	118500.0	1.591591	Y
6	STD24 460-891145/3	24.0	35.064697	8.0	119790.0	1.461029	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

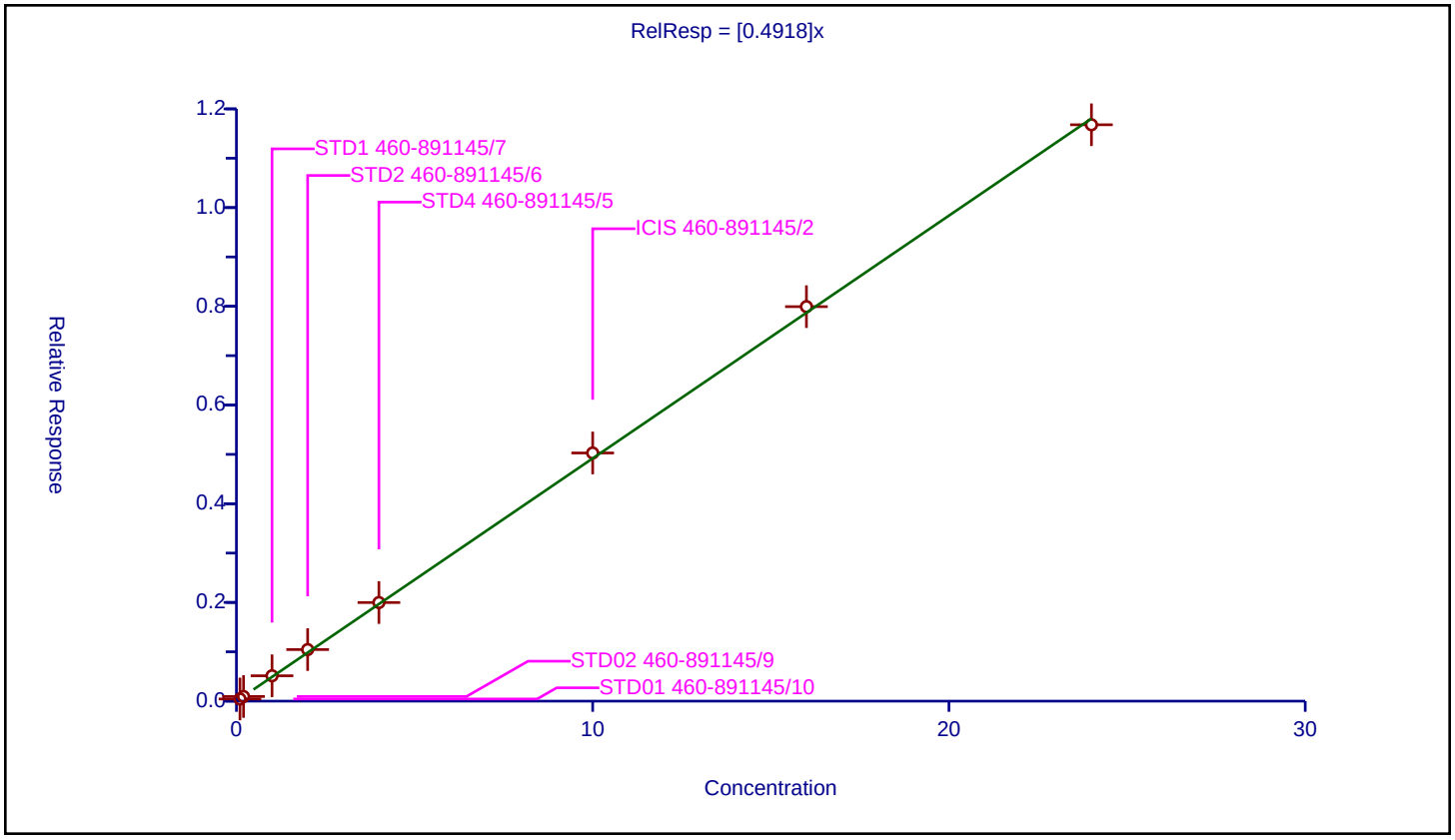
Curve Coefficients

Intercept:	0
Slope:	0.4918

Error Coefficients

Standard Error:	84800
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.043915	8.0	117501.0	0.439145	Y
2	STD02 460-891145/9	0.2	0.0941	8.0	137811.0	0.470499	Y
3	STD1 460-891145/7	1.0	0.51413	8.0	113092.0	0.51413	Y
4	STD2 460-891145/6	2.0	1.045144	8.0	121078.0	0.522572	Y
5	STD4 460-891145/5	4.0	1.997888	8.0	115534.0	0.499472	Y
6	ICIS 460-891145/2	10.0	5.027977	8.0	108446.0	0.502798	Y
7	STD16 460-891145/4	16.0	7.993316	8.0	118500.0	0.499582	Y
8	STD24 460-891145/3	24.0	11.67817	8.0	119790.0	0.48659	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

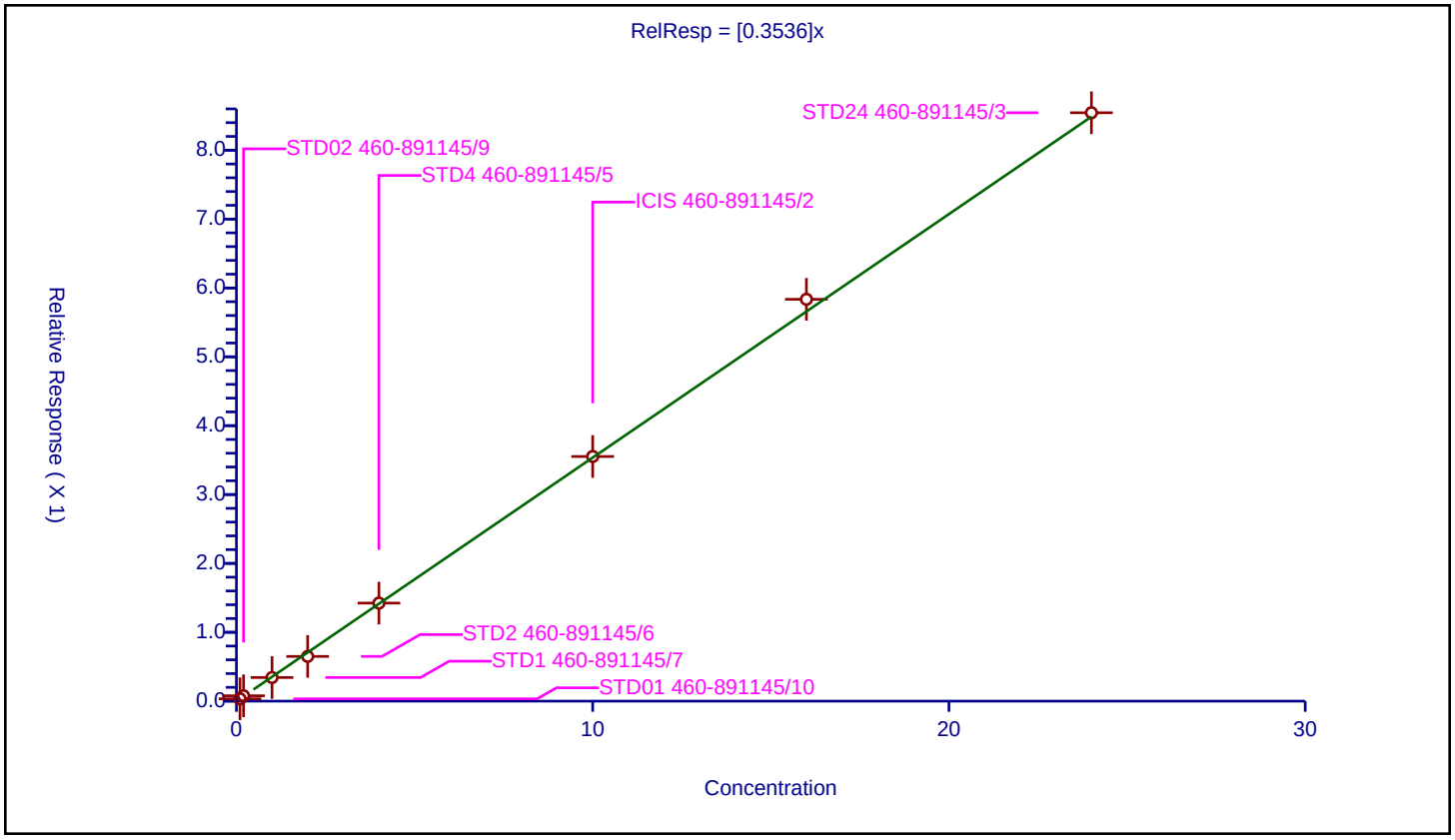
Curve Coefficients

Intercept:	0
Slope:	0.3536

Error Coefficients

Standard Error:	200000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.034015	8.0	387353.0	0.340155	Y
2	STD02 460-891145/9	0.2	0.077768	8.0	452421.0	0.388841	Y
3	STD1 460-891145/7	1.0	0.343151	8.0	374552.0	0.343151	Y
4	STD2 460-891145/6	2.0	0.649636	8.0	404288.0	0.324818	Y
5	STD4 460-891145/5	4.0	1.423966	8.0	381599.0	0.355991	Y
6	ICIS 460-891145/2	10.0	3.552663	8.0	349455.0	0.355266	Y
7	STD16 460-891145/4	16.0	5.8351	8.0	389520.0	0.364694	Y
8	STD24 460-891145/3	24.0	8.544035	8.0	385799.0	0.356001	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

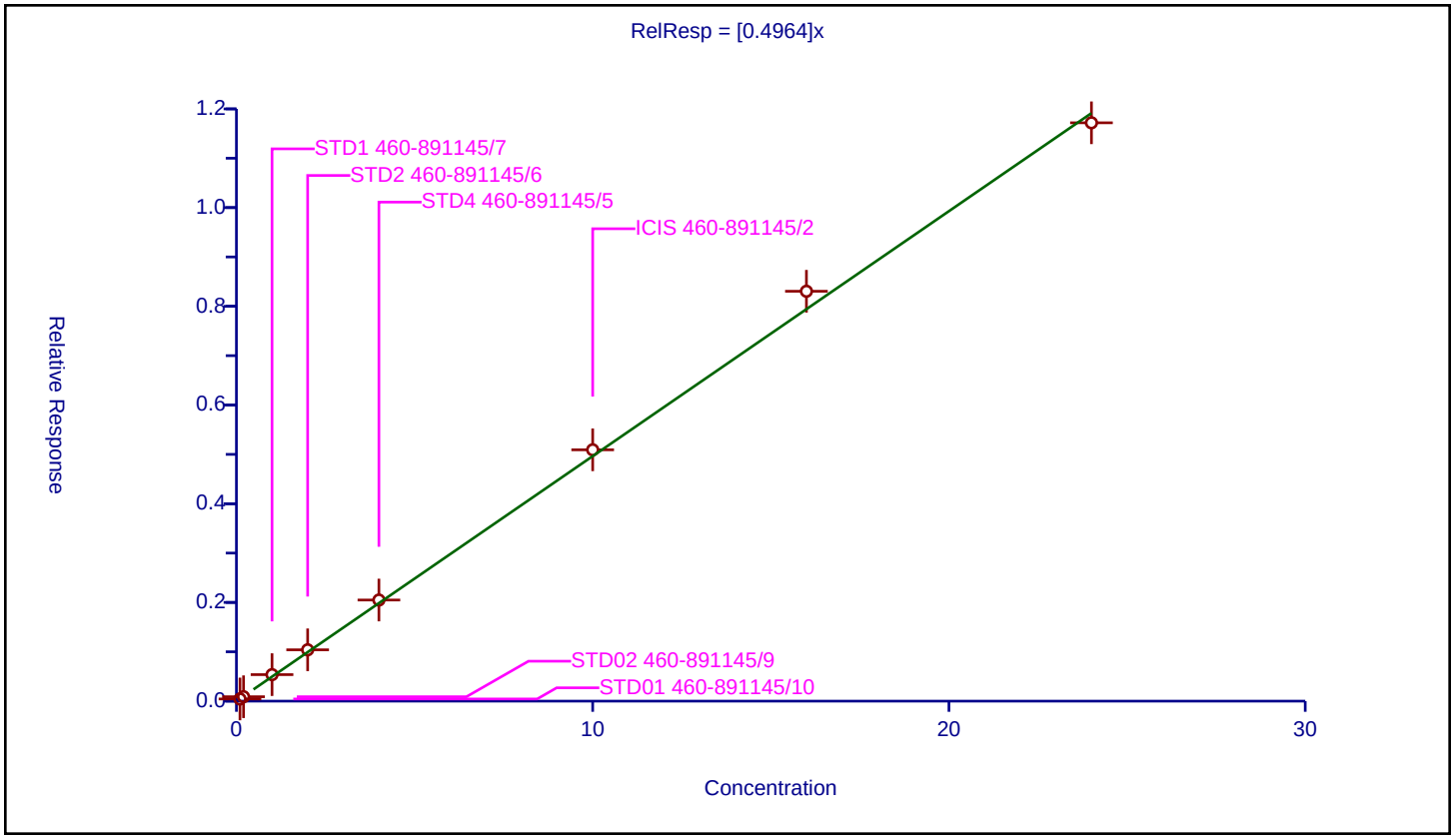
Curve Coefficients

Intercept:	0
Slope:	0.4964

Error Coefficients

Standard Error:	86100
Relative Standard Error:	7.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.043983	8.0	117501.0	0.439826	Y
2	STD02 460-891145/9	0.2	0.089108	8.0	137811.0	0.445538	Y
3	STD1 460-891145/7	1.0	0.537049	8.0	113092.0	0.537049	Y
4	STD2 460-891145/6	2.0	1.039925	8.0	121078.0	0.519962	Y
5	STD4 460-891145/5	4.0	2.048782	8.0	115534.0	0.512196	Y
6	ICIS 460-891145/2	10.0	5.092304	8.0	108446.0	0.50923	Y
7	STD16 460-891145/4	16.0	8.30508	8.0	118500.0	0.519068	Y
8	STD24 460-891145/3	24.0	11.718173	8.0	119790.0	0.488257	Y



Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

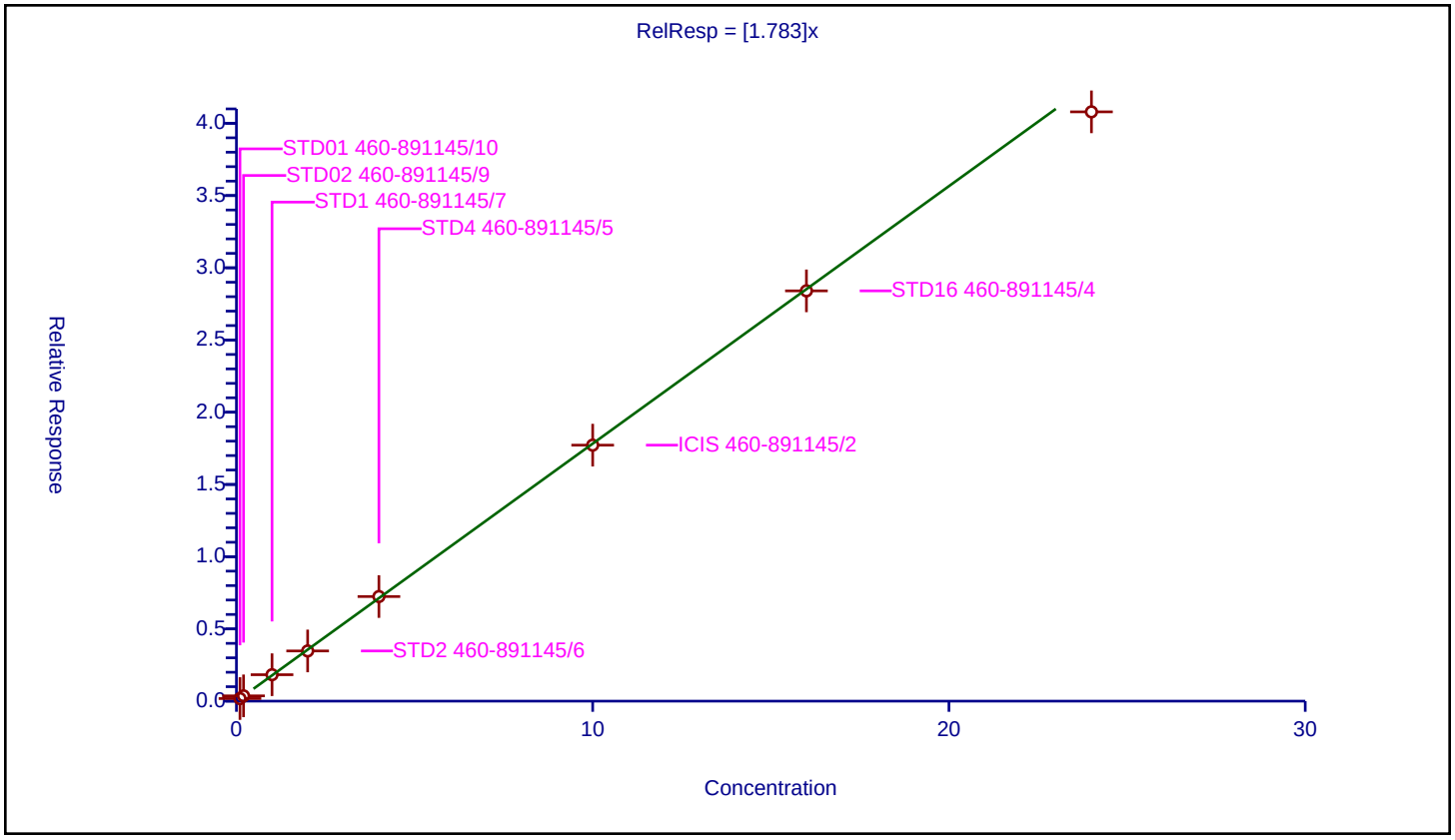
Curve Coefficients

Intercept:	0
Slope:	1.783

Error Coefficients

Standard Error:	298000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.18056	8.0	117501.0	1.805602	Y
2	STD02 460-891145/9	0.2	0.36595	8.0	137811.0	1.829752	Y
3	STD1 460-891145/7	1.0	1.83058	8.0	113092.0	1.83058	Y
4	STD2 460-891145/6	2.0	3.474256	8.0	121078.0	1.737128	Y
5	STD4 460-891145/5	4.0	7.242474	8.0	115534.0	1.810619	Y
6	ICIS 460-891145/2	10.0	17.721336	8.0	108446.0	1.772134	Y
7	STD16 460-891145/4	16.0	28.40216	8.0	118500.0	1.775135	Y
8	STD24 460-891145/3	24.0	40.795392	8.0	119790.0	1.699808	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

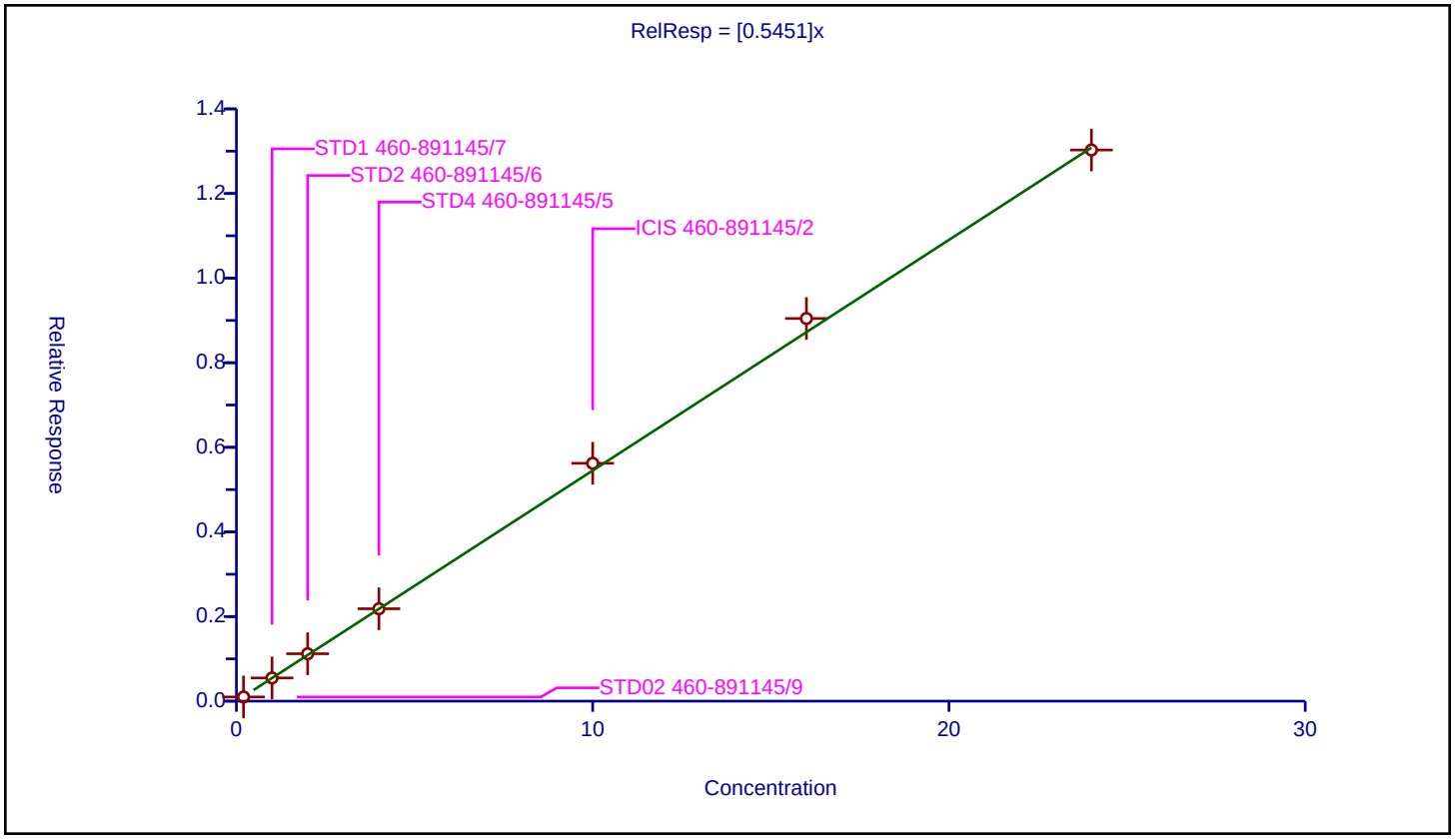
Curve Coefficients

Intercept:	0
Slope:	0.5451

Error Coefficients

Standard Error:	333000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.098316	8.0	452421.0	0.491578	Y
2	STD1 460-891145/7	1.0	0.54794	8.0	374552.0	0.54794	Y
3	STD2 460-891145/6	2.0	1.120112	8.0	404288.0	0.560056	Y
4	STD4 460-891145/5	4.0	2.184199	8.0	381599.0	0.54605	Y
5	ICIS 460-891145/2	10.0	5.622401	8.0	349455.0	0.56224	Y
6	STD16 460-891145/4	16.0	9.044855	8.0	389520.0	0.565303	Y
7	STD24 460-891145/3	24.0	13.027717	8.0	385799.0	0.542822	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

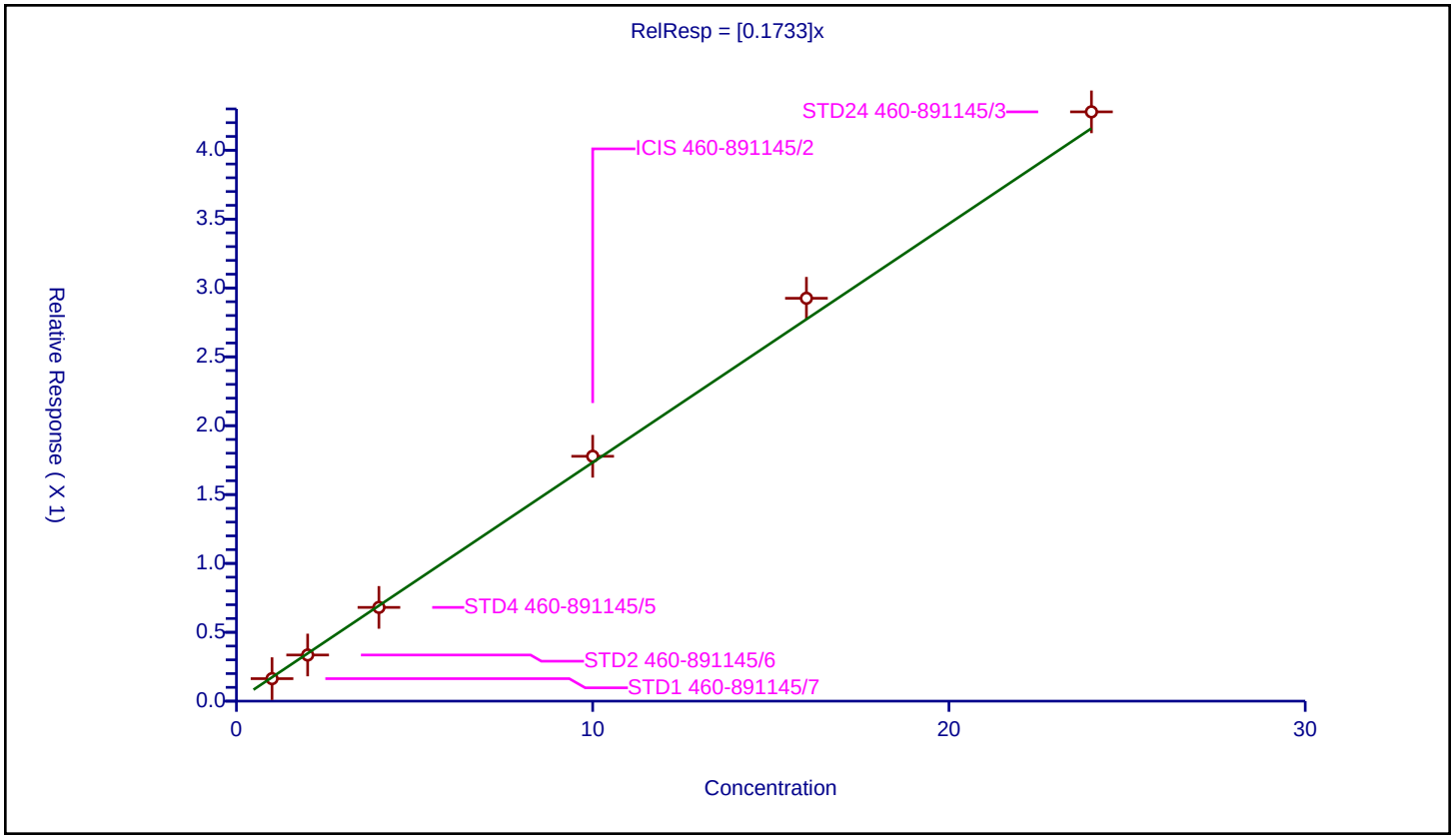
Curve Coefficients

Intercept:	0
Slope:	0.1733

Error Coefficients

Standard Error:	119000
Relative Standard Error:	4.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.163224	8.0	374552.0	0.163224	Y
2	STD2 460-891145/6	2.0	0.33493	8.0	404288.0	0.167465	Y
3	STD4 460-891145/5	4.0	0.680547	8.0	381599.0	0.170137	Y
4	ICIS 460-891145/2	10.0	1.777854	8.0	349455.0	0.177785	Y
5	STD16 460-891145/4	16.0	2.925077	8.0	389520.0	0.182817	Y
6	STD24 460-891145/3	24.0	4.278477	8.0	385799.0	0.17827	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

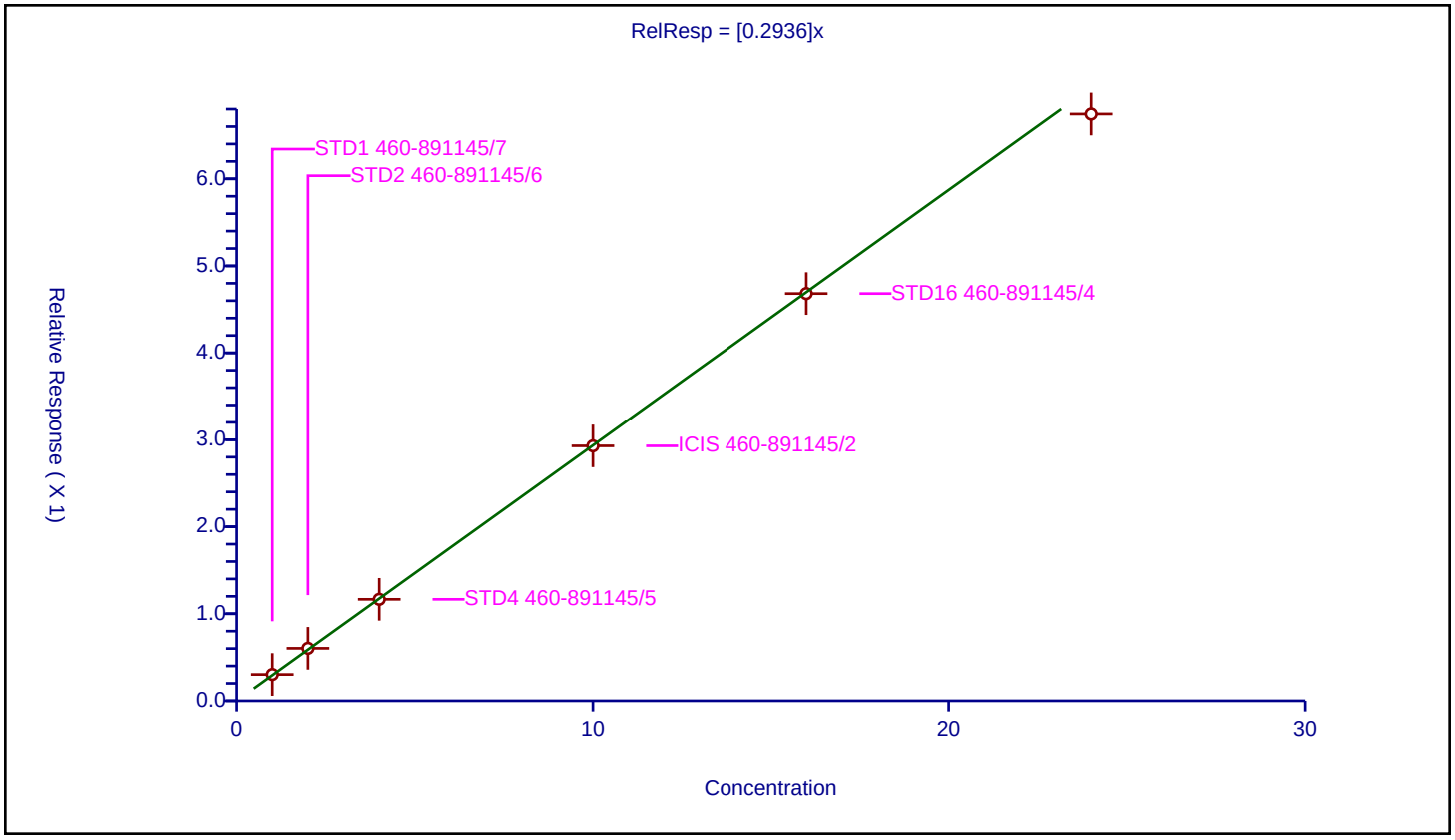
Curve Coefficients

Intercept:	0
Slope:	0.2936

Error Coefficients

Standard Error:	189000
Relative Standard Error:	2.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.302121	8.0	374552.0	0.302121	Y
2	STD2 460-891145/6	2.0	0.602778	8.0	404288.0	0.301389	Y
3	STD4 460-891145/5	4.0	1.165978	8.0	381599.0	0.291494	Y
4	ICIS 460-891145/2	10.0	2.930048	8.0	349455.0	0.293005	Y
5	STD16 460-891145/4	16.0	4.682009	8.0	389520.0	0.292626	Y
6	STD24 460-891145/3	24.0	6.743864	8.0	385799.0	0.280994	Y



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Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

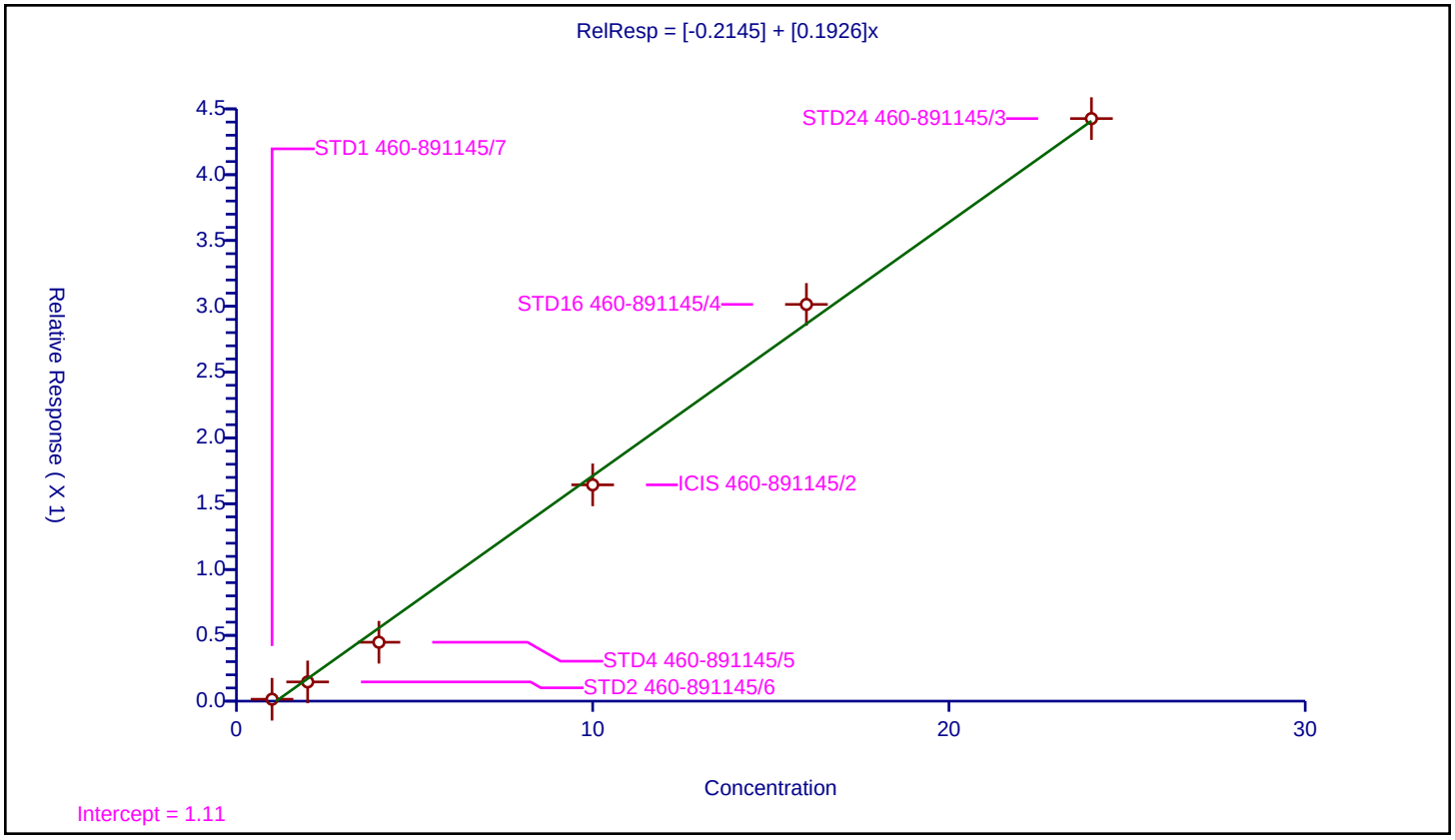
Curve Coefficients

Intercept:	-0.2145
Slope:	0.1926

Error Coefficients

Standard Error:	135000
Relative Standard Error:	12.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.014481	8.0	374552.0	0.014481	Y
2	STD2 460-891145/6	2.0	0.145955	8.0	404288.0	0.072978	Y
3	STD4 460-891145/5	4.0	0.447506	8.0	381599.0	0.111877	Y
4	ICIS 460-891145/2	10.0	1.643405	8.0	349455.0	0.16434	Y
5	STD16 460-891145/4	16.0	3.014356	8.0	389520.0	0.188397	Y
6	STD24 460-891145/3	24.0	4.426284	8.0	385799.0	0.184429	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

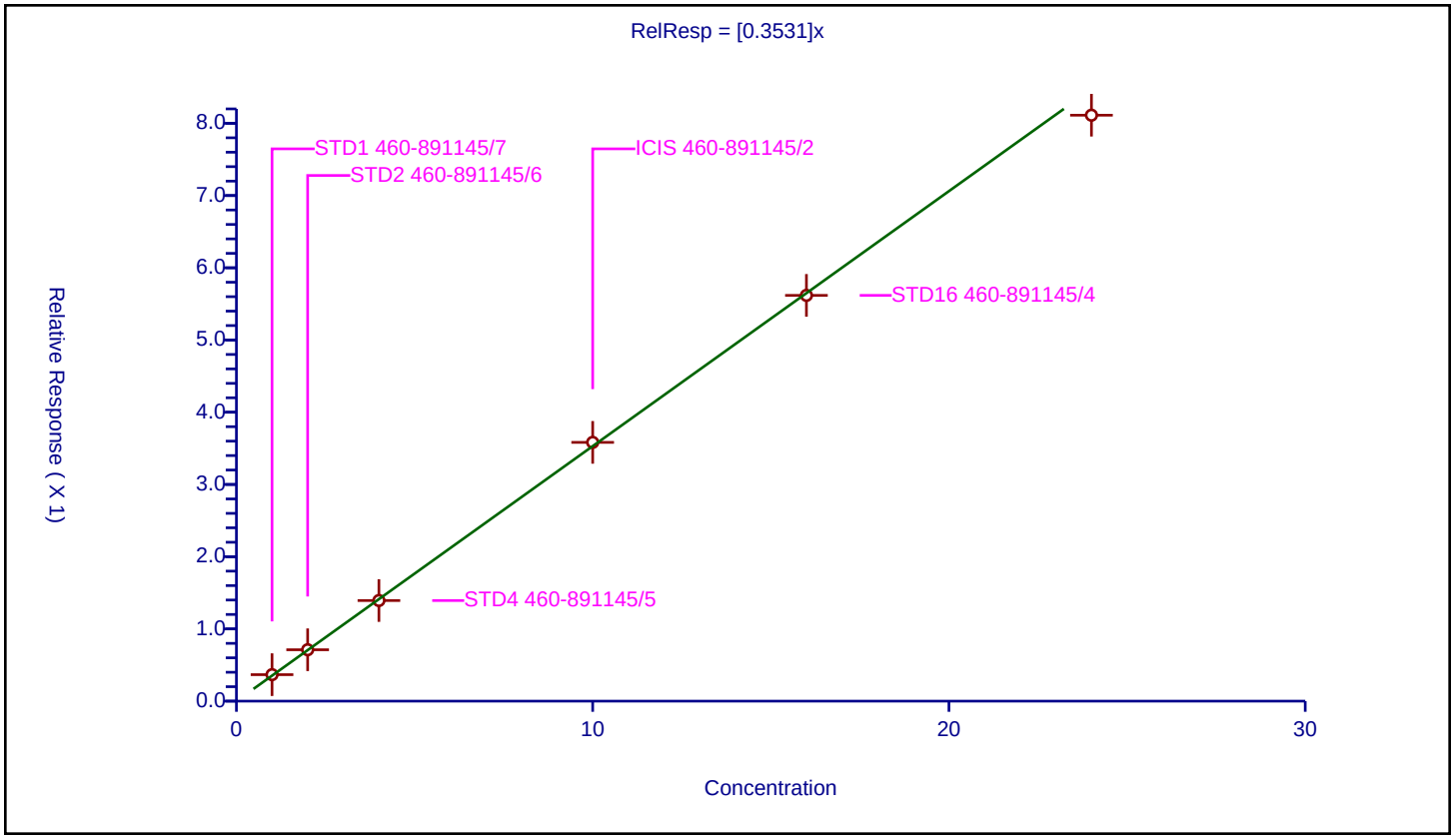
Curve Coefficients

Intercept:	0
Slope:	0.3531

Error Coefficients

Standard Error:	227000
Relative Standard Error:	2.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.366838	8.0	374552.0	0.366838	Y
2	STD2 460-891145/6	2.0	0.711612	8.0	404288.0	0.355806	Y
3	STD4 460-891145/5	4.0	1.393106	8.0	381599.0	0.348277	Y
4	ICIS 460-891145/2	10.0	3.58279	8.0	349455.0	0.358279	Y
5	STD16 460-891145/4	16.0	5.617889	8.0	389520.0	0.351118	Y
6	STD24 460-891145/3	24.0	8.112722	8.0	385799.0	0.33803	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

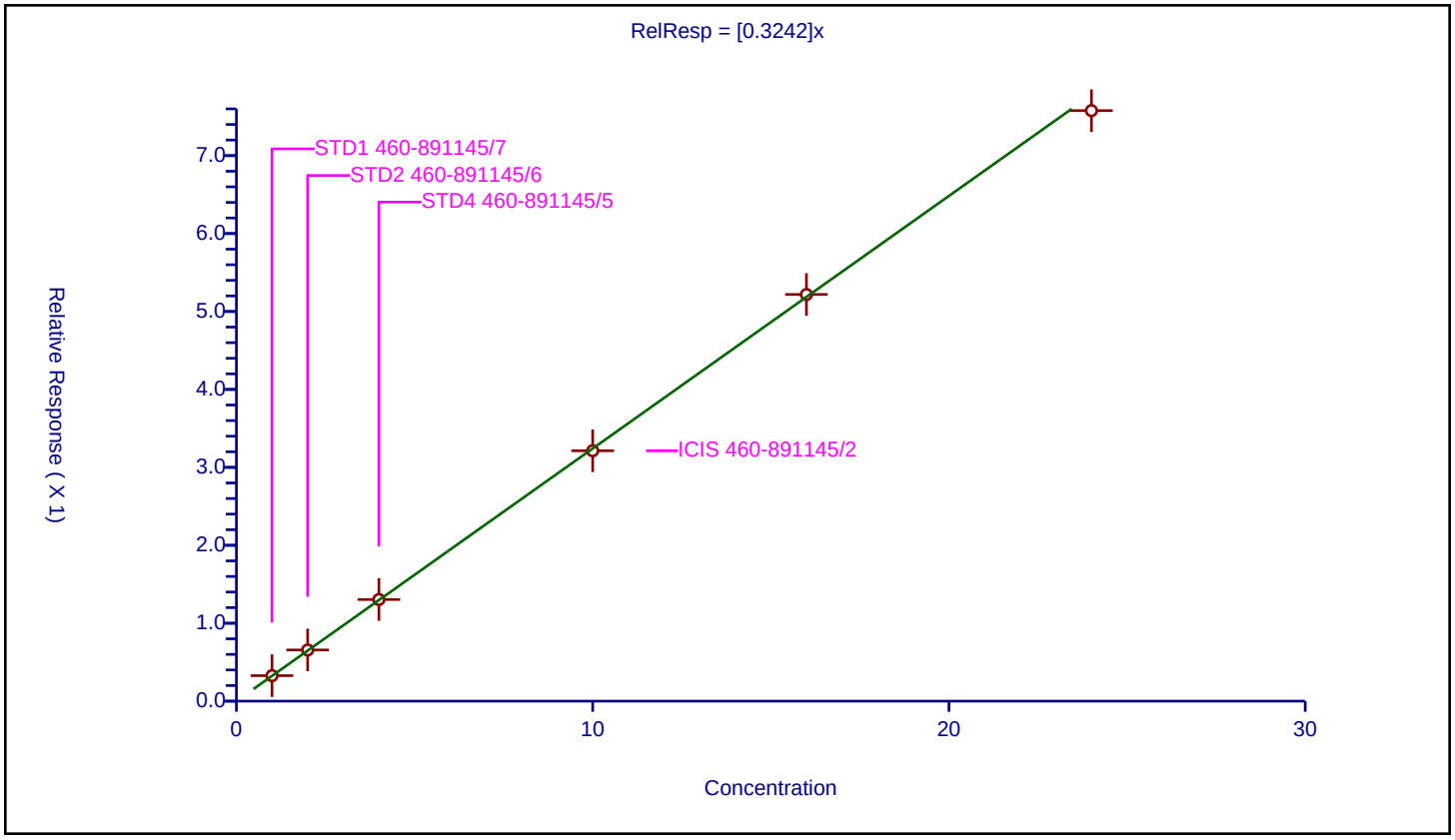
Curve Coefficients

Intercept:	0
Slope:	0.3242

Error Coefficients

Standard Error:	211000
Relative Standard Error:	1.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.327303	8.0	374552.0	0.327303	Y
2	STD2 460-891145/6	2.0	0.65676	8.0	404288.0	0.32838	Y
3	STD4 460-891145/5	4.0	1.304071	8.0	381599.0	0.326018	Y
4	ICIS 460-891145/2	10.0	3.213415	8.0	349455.0	0.321342	Y
5	STD16 460-891145/4	16.0	5.218299	8.0	389520.0	0.326144	Y
6	STD24 460-891145/3	24.0	7.577459	8.0	385799.0	0.315727	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

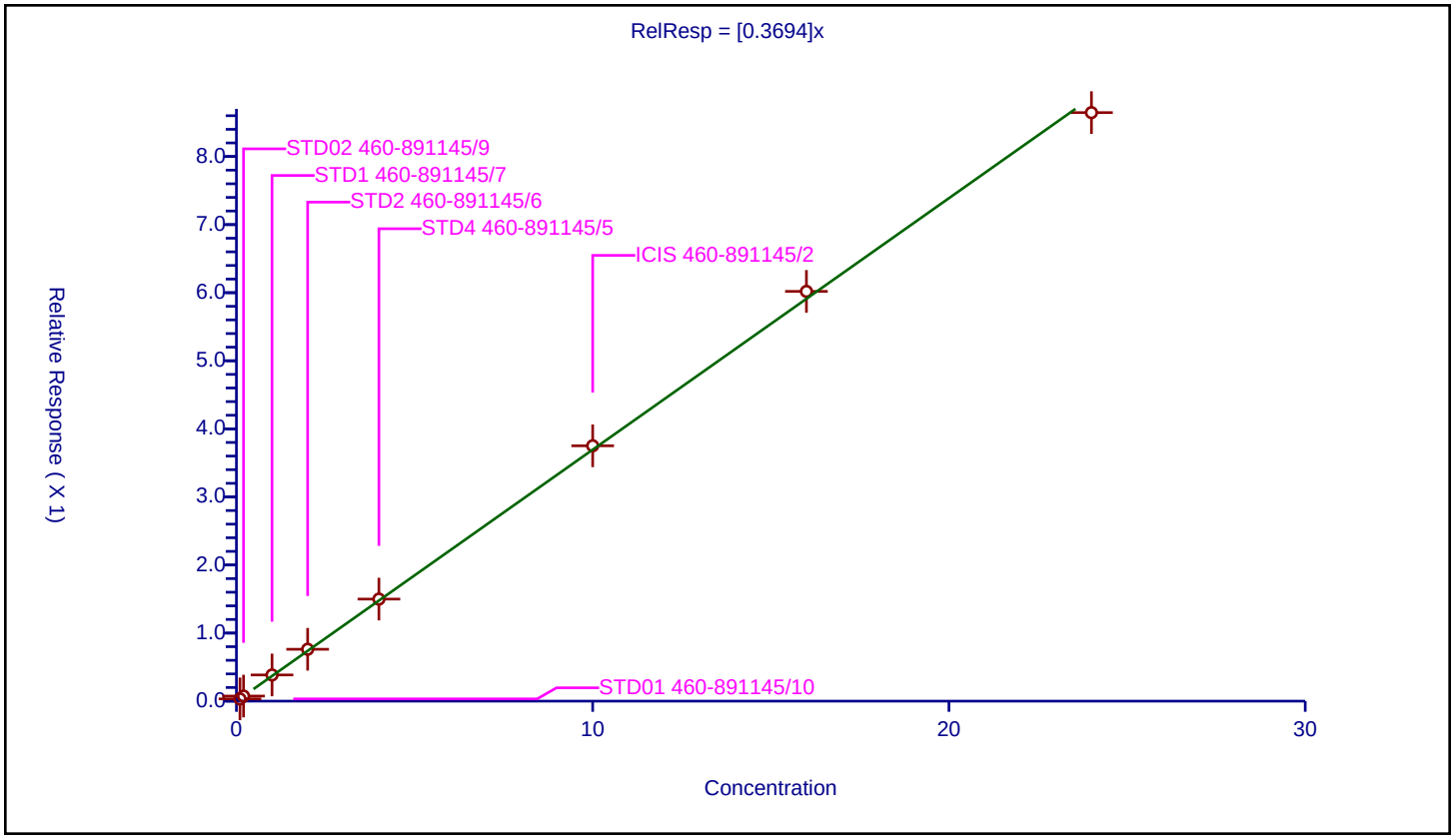
Curve Coefficients

Intercept:	0
Slope:	0.3694

Error Coefficients

Standard Error:	205000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.033003	8.0	387353.0	0.330035	Y
2	STD02 460-891145/9	0.2	0.074638	8.0	452421.0	0.373192	Y
3	STD1 460-891145/7	1.0	0.384758	8.0	374552.0	0.384758	Y
4	STD2 460-891145/6	2.0	0.76211	8.0	404288.0	0.381055	Y
5	STD4 460-891145/5	4.0	1.498914	8.0	381599.0	0.374728	Y
6	ICIS 460-891145/2	10.0	3.750984	8.0	349455.0	0.375098	Y
7	STD16 460-891145/4	16.0	6.018977	8.0	389520.0	0.376186	Y
8	STD24 460-891145/3	24.0	8.64531	8.0	385799.0	0.360221	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

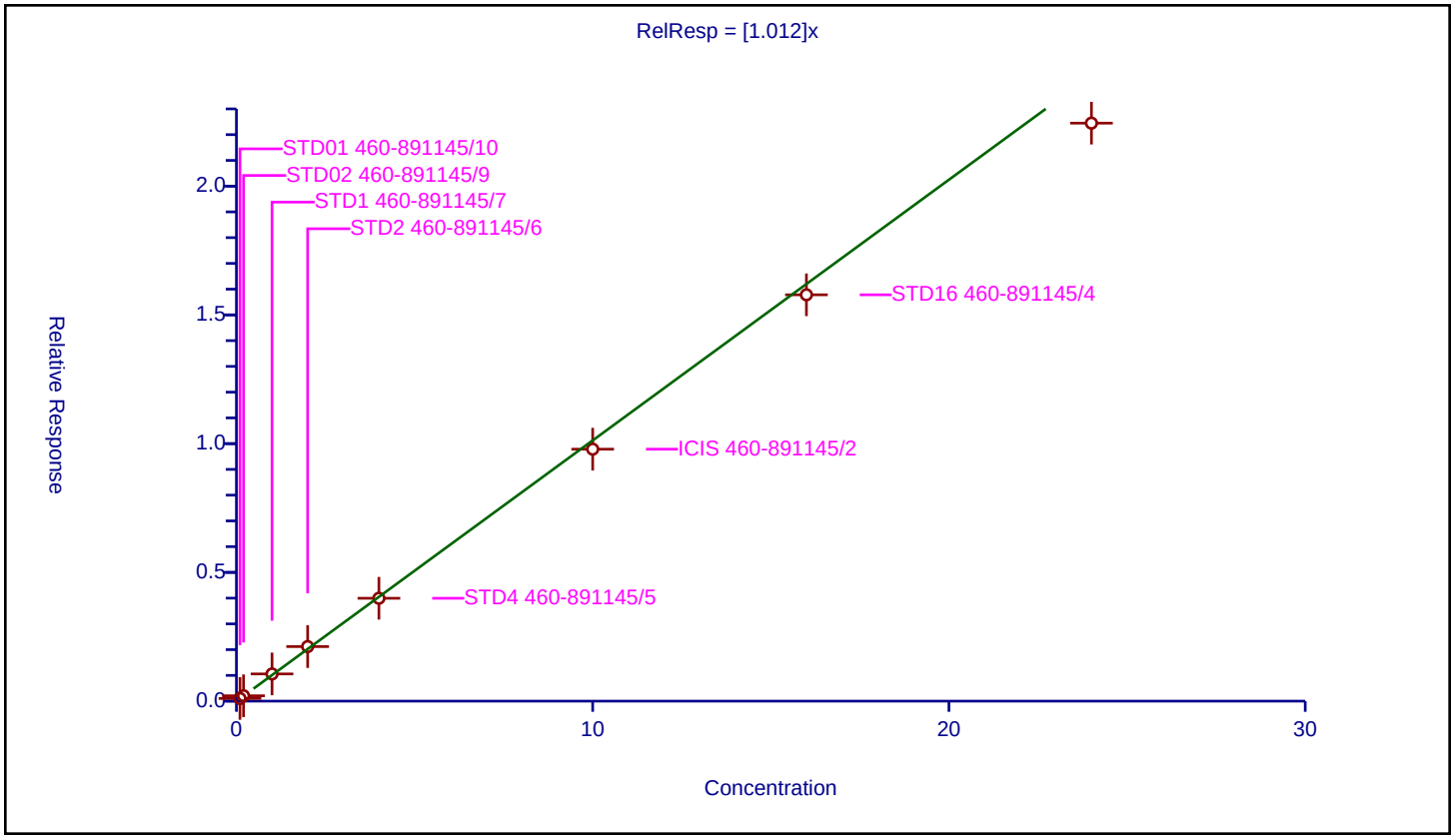
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Standard Error:	534000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.104091	8.0	387353.0	1.040911	Y
2	STD02 460-891145/9	0.2	0.208797	8.0	452421.0	1.043983	Y
3	STD1 460-891145/7	1.0	1.05643	8.0	374552.0	1.05643	Y
4	STD2 460-891145/6	2.0	2.118905	8.0	404288.0	1.059453	Y
5	STD4 460-891145/5	4.0	3.995608	8.0	381599.0	0.998902	Y
6	ICIS 460-891145/2	10.0	9.785432	8.0	349455.0	0.978543	Y
7	STD16 460-891145/4	16.0	15.780345	8.0	389520.0	0.986272	Y
8	STD24 460-891145/3	24.0	22.446735	8.0	385799.0	0.935281	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

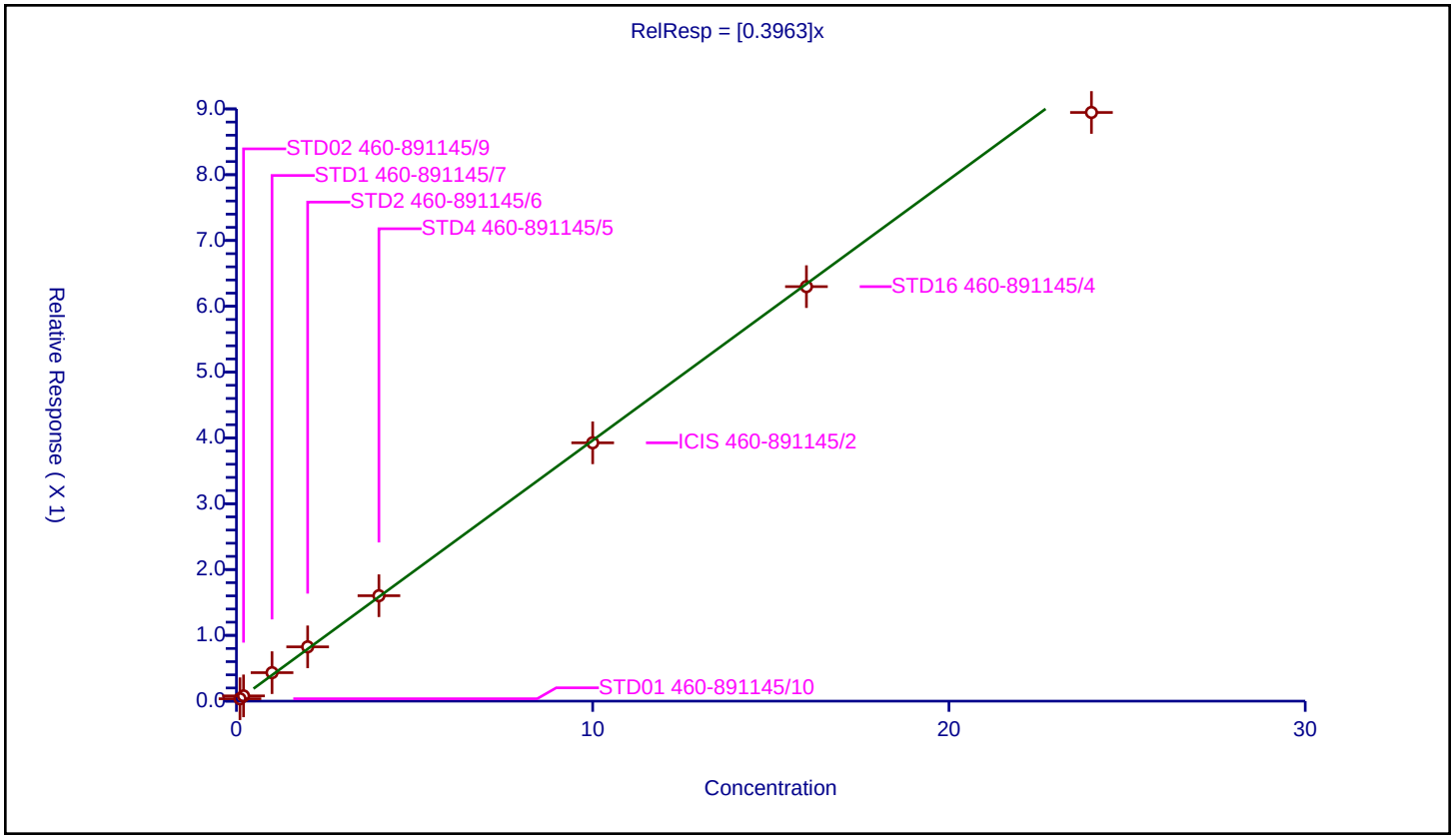
Curve Coefficients

Intercept:	0
Slope:	0.3963

Error Coefficients

Standard Error:	213000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.036638	8.0	387353.0	0.366384	Y
2	STD02 460-891145/9	0.2	0.079749	8.0	452421.0	0.398744	Y
3	STD1 460-891145/7	1.0	0.432816	8.0	374552.0	0.432816	Y
4	STD2 460-891145/6	2.0	0.825135	8.0	404288.0	0.412567	Y
5	STD4 460-891145/5	4.0	1.602017	8.0	381599.0	0.400504	Y
6	ICIS 460-891145/2	10.0	3.925953	8.0	349455.0	0.392595	Y
7	STD16 460-891145/4	16.0	6.299302	8.0	389520.0	0.393706	Y
8	STD24 460-891145/3	24.0	8.945715	8.0	385799.0	0.372738	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

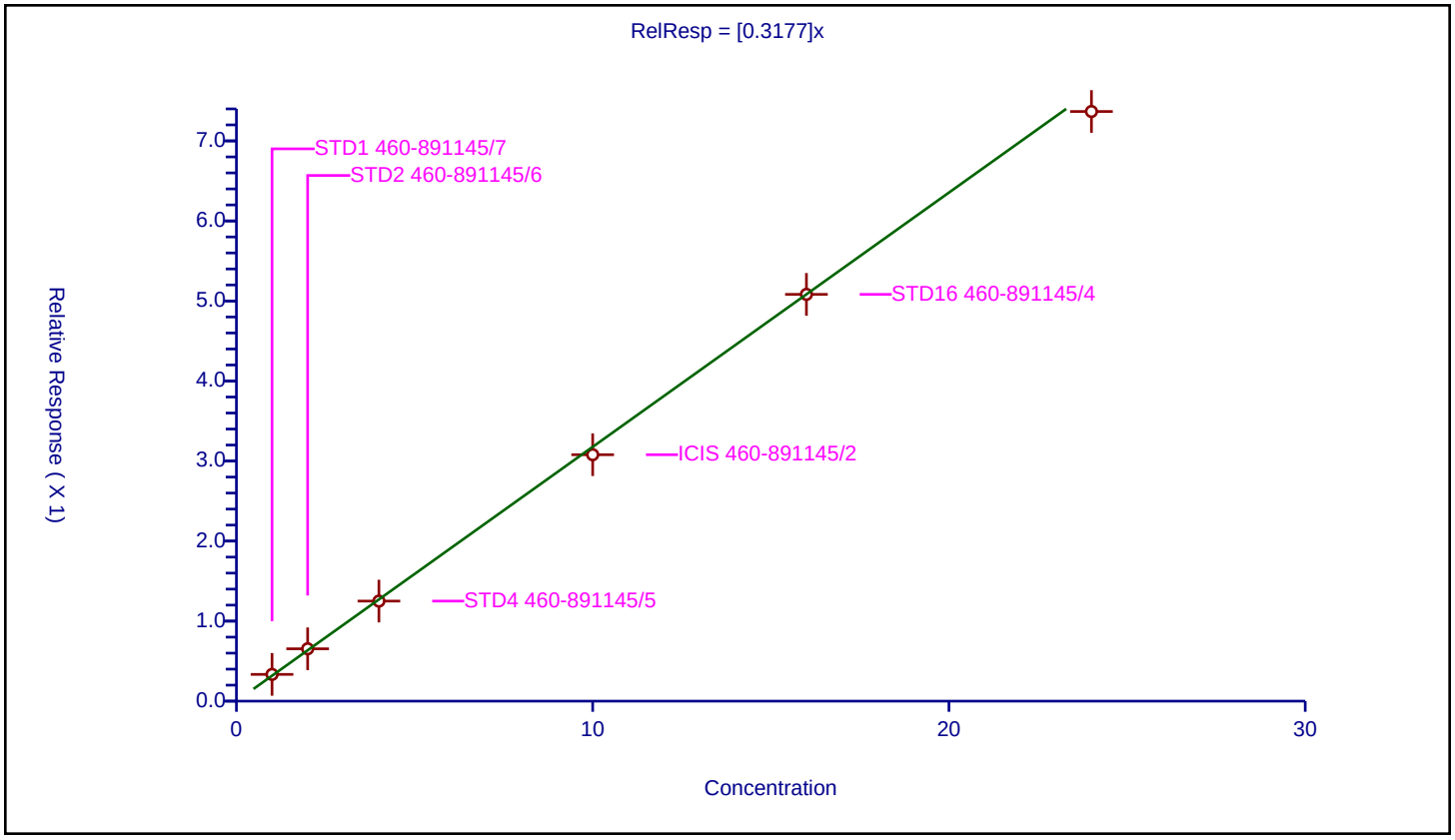
Curve Coefficients

Intercept:	0
Slope:	0.3177

Error Coefficients

Standard Error:	205000
Relative Standard Error:	3.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.334116	8.0	374552.0	0.334116	Y
2	STD2 460-891145/6	2.0	0.654187	8.0	404288.0	0.327094	Y
3	STD4 460-891145/5	4.0	1.25015	8.0	381599.0	0.312538	Y
4	ICIS 460-891145/2	10.0	3.079057	8.0	349455.0	0.307906	Y
5	STD16 460-891145/4	16.0	5.082358	8.0	389520.0	0.317647	Y
6	STD24 460-891145/3	24.0	7.367401	8.0	385799.0	0.306975	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

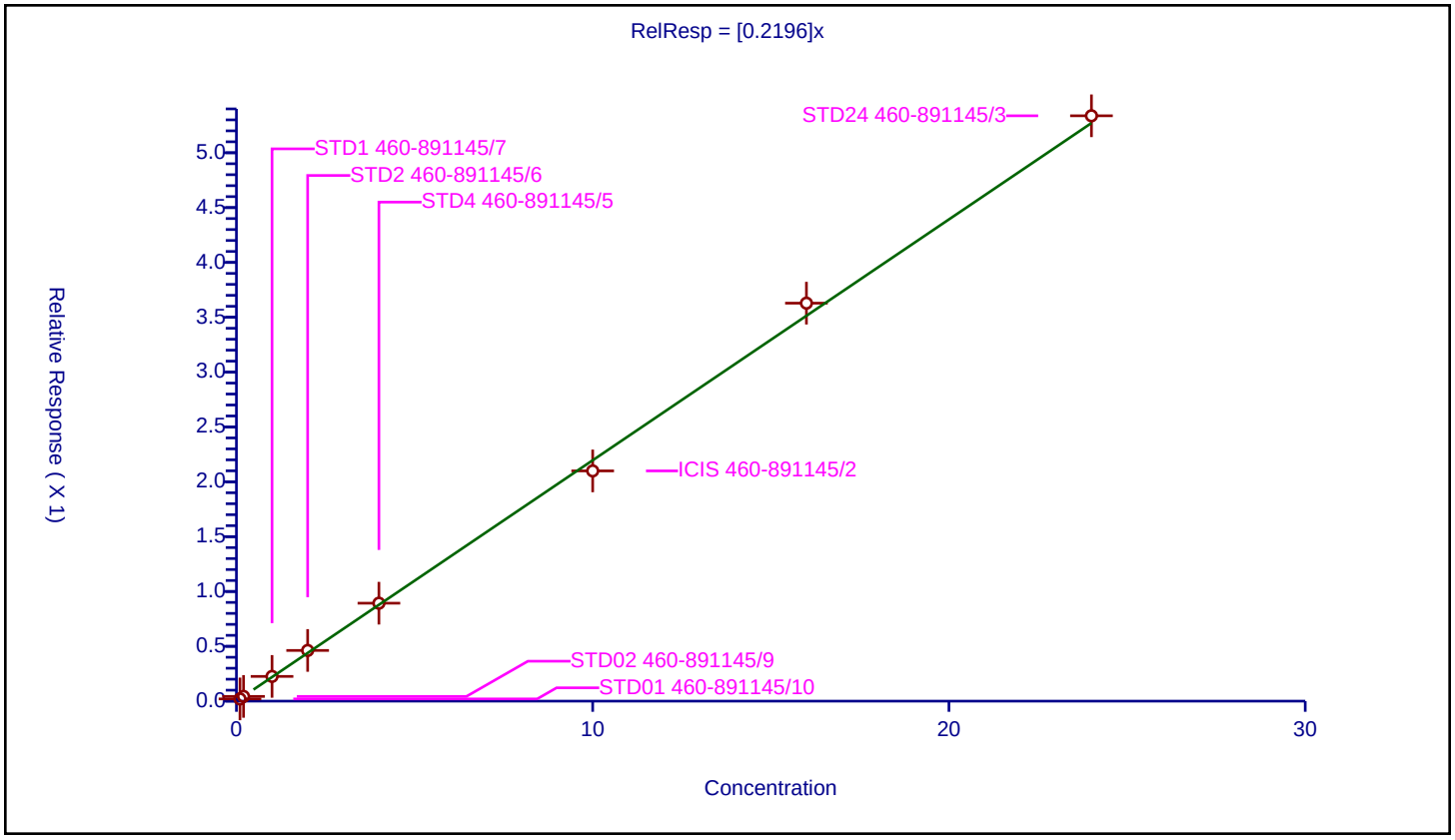
Curve Coefficients

Intercept:	0
Slope:	0.2196

Error Coefficients

Standard Error:	124000
Relative Standard Error:	4.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.020219	8.0	387353.0	0.202193	Y
2	STD02 460-891145/9	0.2	0.043146	8.0	452421.0	0.215728	Y
3	STD1 460-891145/7	1.0	0.225528	8.0	374552.0	0.225528	Y
4	STD2 460-891145/6	2.0	0.462166	8.0	404288.0	0.231083	Y
5	STD4 460-891145/5	4.0	0.893042	8.0	381599.0	0.223261	Y
6	ICIS 460-891145/2	10.0	2.099383	8.0	349455.0	0.209938	Y
7	STD16 460-891145/4	16.0	3.628733	8.0	389520.0	0.226796	Y
8	STD24 460-891145/3	24.0	5.337059	8.0	385799.0	0.222377	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

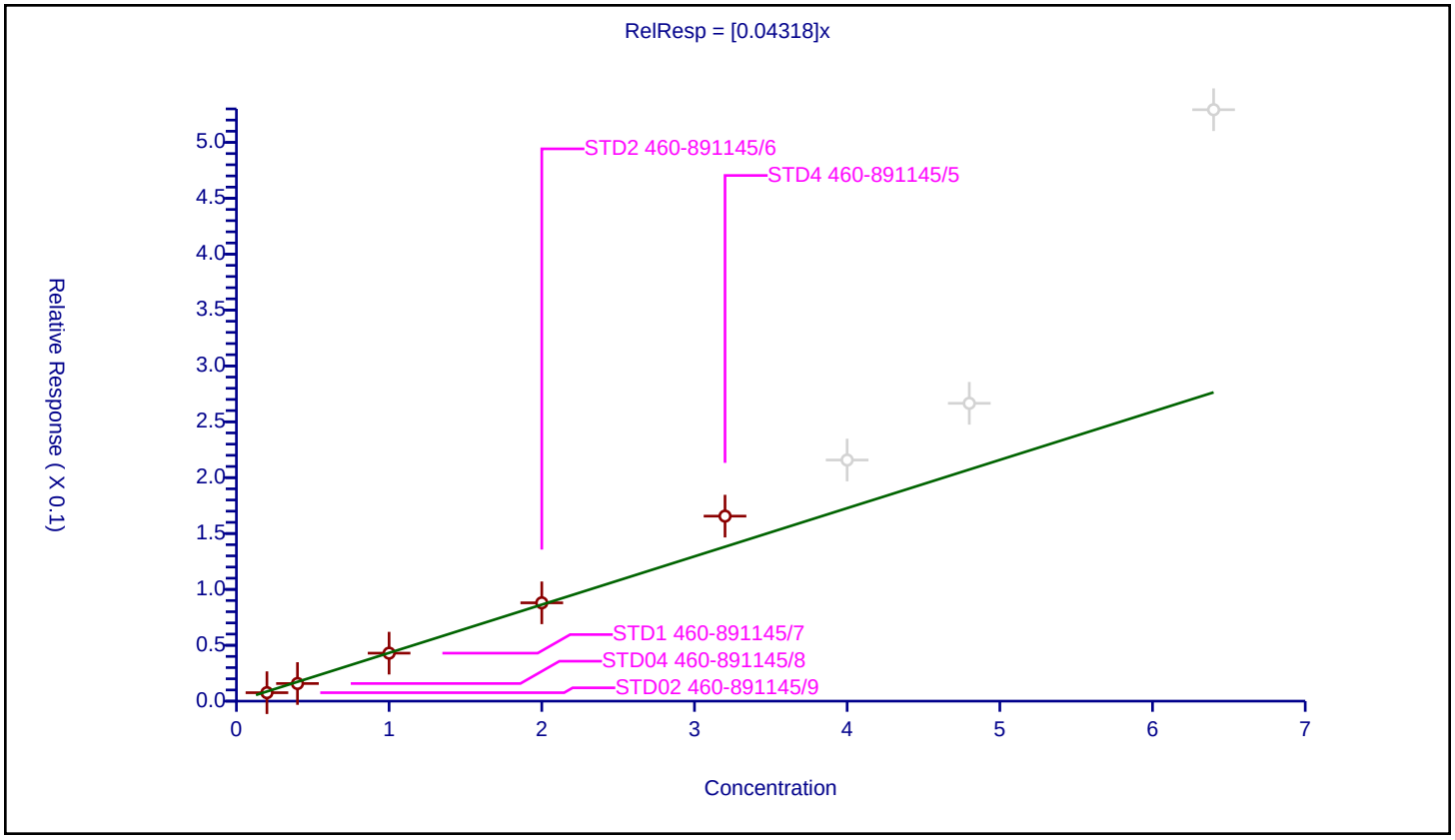
Curve Coefficients

Intercept:	0
Slope:	0.04318

Error Coefficients

Standard Error:	4660
Relative Standard Error:	12.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.007568	8.0	452421.0	0.037841	Y
2	STD04 460-891145/8	0.4	0.015756	8.0	407714.0	0.03939	Y
3	STD1 460-891145/7	1.0	0.042931	8.0	374552.0	0.042931	Y
4	STD2 460-891145/6	2.0	0.087977	8.0	404288.0	0.043988	Y
5	STD4 460-891145/5	3.2	0.165556	8.0	381599.0	0.051736	Y
6	ICIS 460-891145/2	4.0	0.215765	8.0	349455.0	0.053941	N
7	STD16 460-891145/4	4.8	0.266523	8.0	389520.0	0.055526	N
8	STD24 460-891145/3	6.4	0.52925	8.0	385799.0	0.082695	N



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

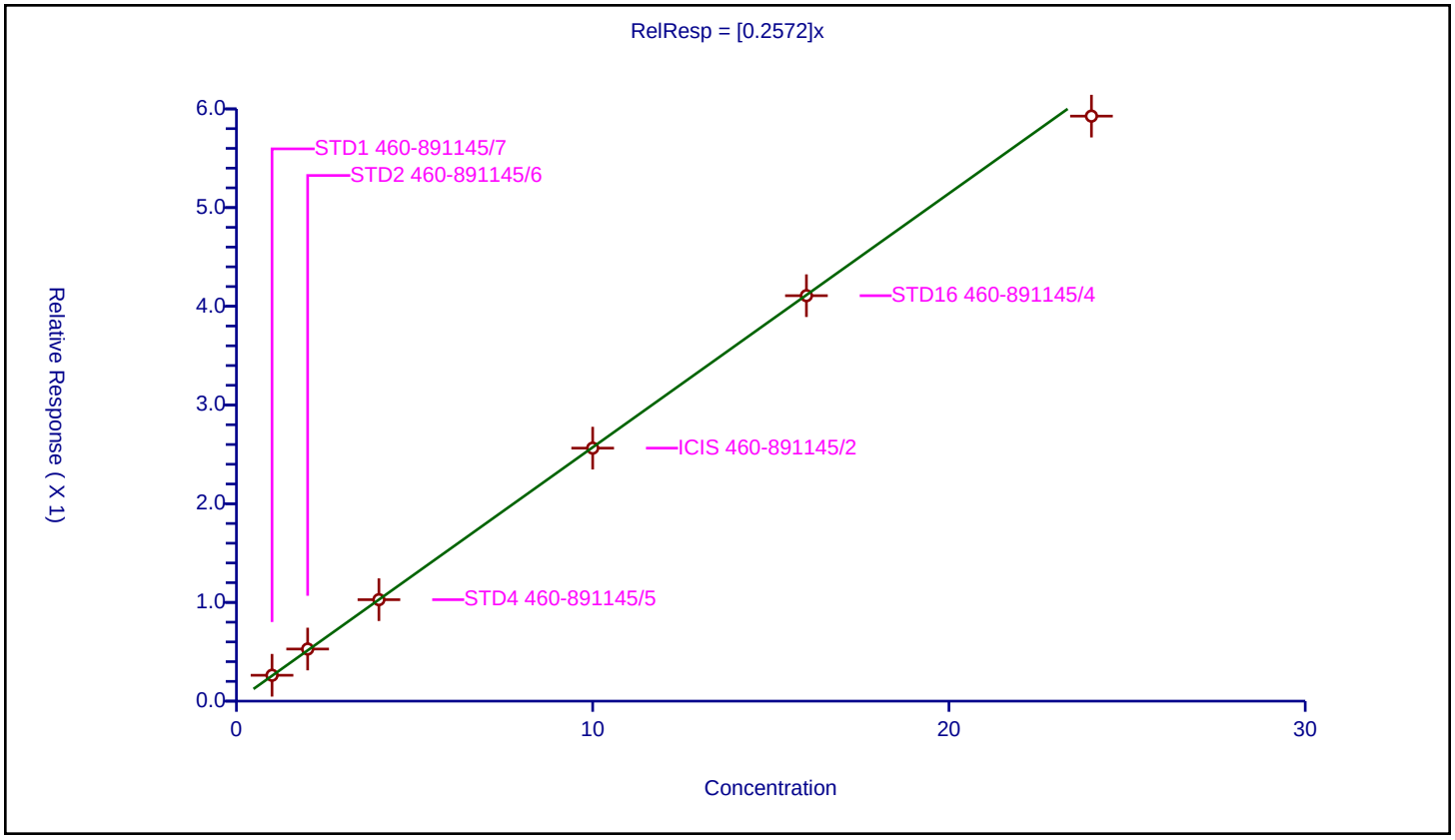
Curve Coefficients

Intercept:	0
Slope:	0.2572

Error Coefficients

Standard Error:	166000
Relative Standard Error:	2.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.262009	8.0	374552.0	0.262009	Y
2	STD2 460-891145/6	2.0	0.527861	8.0	404288.0	0.263931	Y
3	STD4 460-891145/5	4.0	1.027927	8.0	381599.0	0.256982	Y
4	ICIS 460-891145/2	10.0	2.563283	8.0	349455.0	0.256328	Y
5	STD16 460-891145/4	16.0	4.10764	8.0	389520.0	0.256728	Y
6	STD24 460-891145/3	24.0	5.927003	8.0	385799.0	0.246958	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

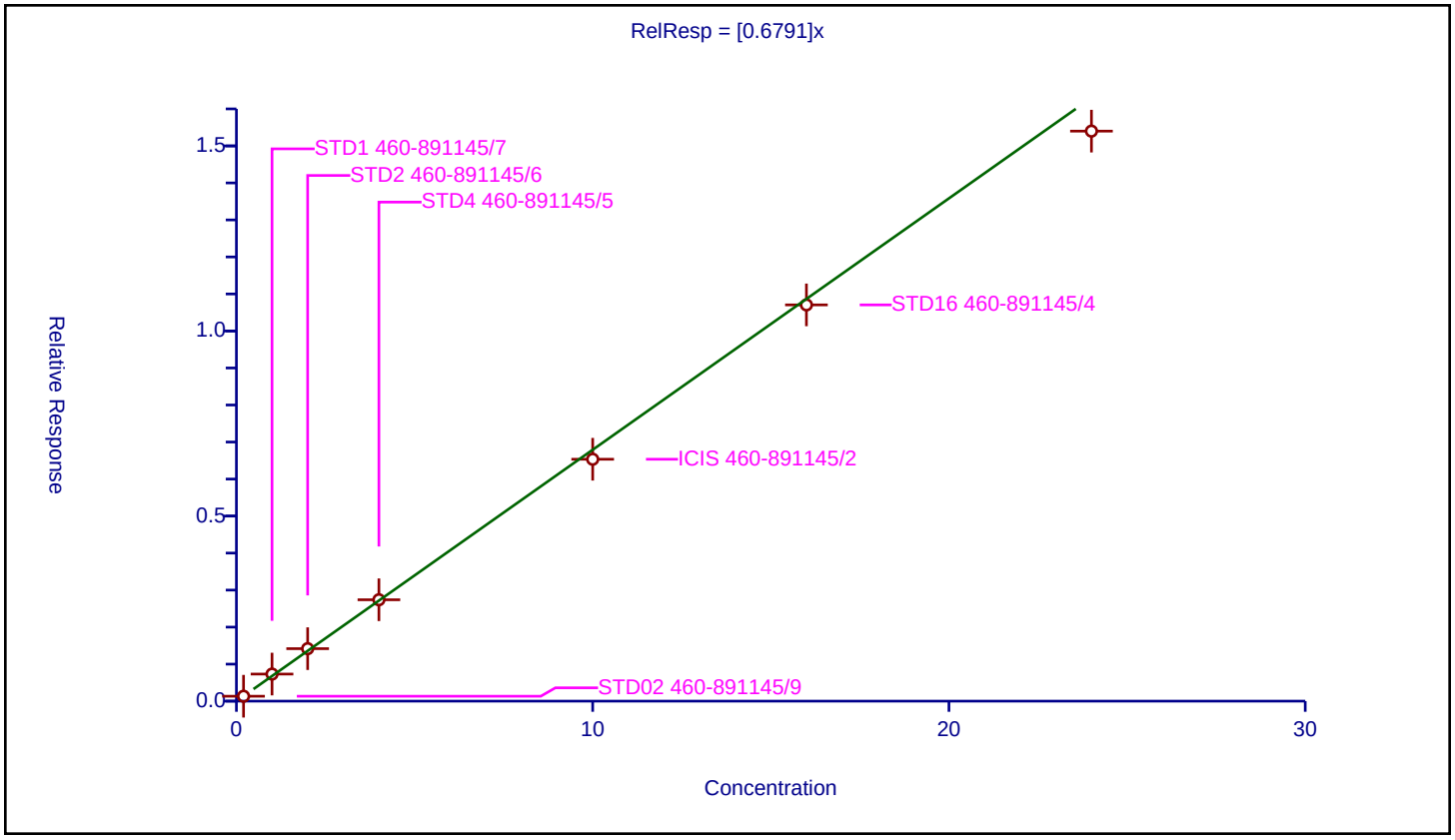
Curve Coefficients

Intercept:	0
Slope:	0.6791

Error Coefficients

Standard Error:	393000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.132885	8.0	452421.0	0.664425	Y
2	STD1 460-891145/7	1.0	0.731434	8.0	374552.0	0.731434	Y
3	STD2 460-891145/6	2.0	1.418058	8.0	404288.0	0.709029	Y
4	STD4 460-891145/5	4.0	2.738959	8.0	381599.0	0.68474	Y
5	ICIS 460-891145/2	10.0	6.534976	8.0	349455.0	0.653498	Y
6	STD16 460-891145/4	16.0	10.704847	8.0	389520.0	0.669053	Y
7	STD24 460-891145/3	24.0	15.399376	8.0	385799.0	0.641641	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

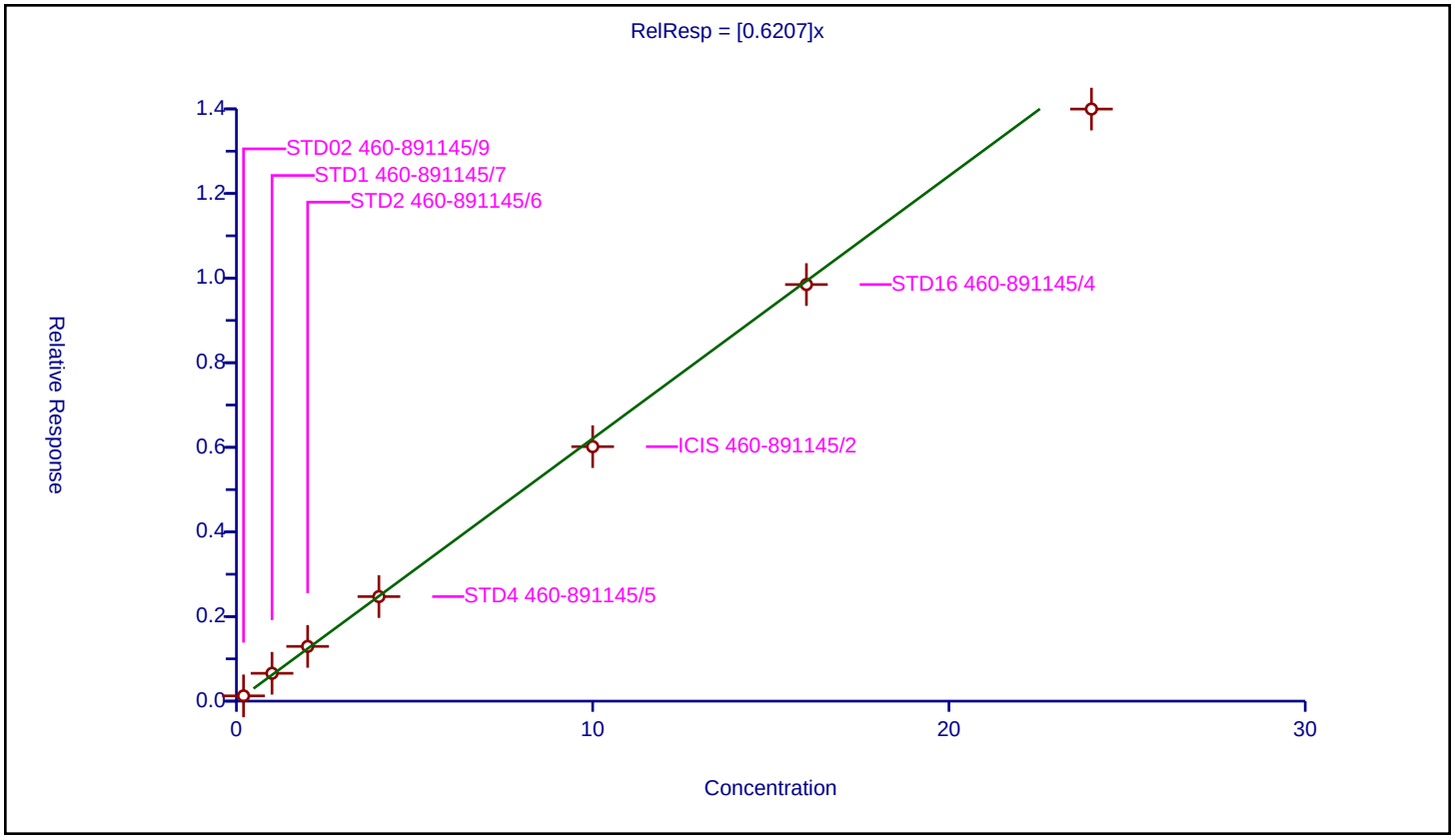
Curve Coefficients

Intercept:	0
Slope:	0.6207

Error Coefficients

Standard Error:	359000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.124309	8.0	452421.0	0.621545	Y
2	STD1 460-891145/7	1.0	0.658173	8.0	374552.0	0.658173	Y
3	STD2 460-891145/6	2.0	1.294226	8.0	404288.0	0.647113	Y
4	STD4 460-891145/5	4.0	2.47118	8.0	381599.0	0.617795	Y
5	ICIS 460-891145/2	10.0	6.015973	8.0	349455.0	0.601597	Y
6	STD16 460-891145/4	16.0	9.847998	8.0	389520.0	0.6155	Y
7	STD24 460-891145/3	24.0	13.996387	8.0	385799.0	0.583183	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

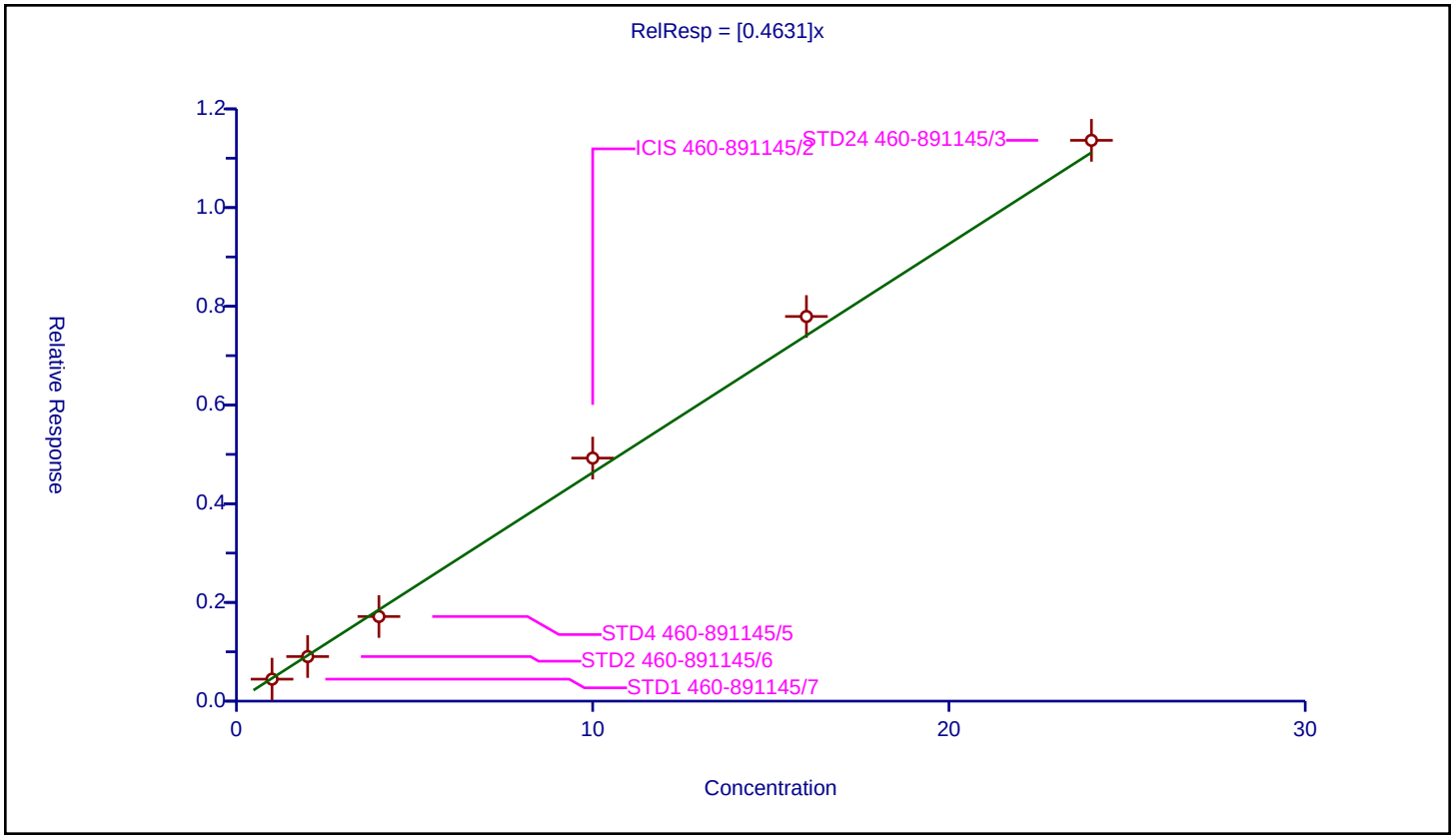
Curve Coefficients

Intercept:	0
Slope:	0.4631

Error Coefficients

Standard Error:	182000
Relative Standard Error:	5.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.445741	8.0	230340.0	0.445741	Y
2	STD2 460-891145/6	2.0	0.902849	8.0	236425.0	0.451424	Y
3	STD4 460-891145/5	4.0	1.714549	8.0	227899.0	0.428637	Y
4	ICIS 460-891145/2	10.0	4.924411	8.0	184563.0	0.492441	Y
5	STD16 460-891145/4	16.0	7.793679	8.0	227607.0	0.487105	Y
6	STD24 460-891145/3	24.0	11.363202	8.0	223085.0	0.473467	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

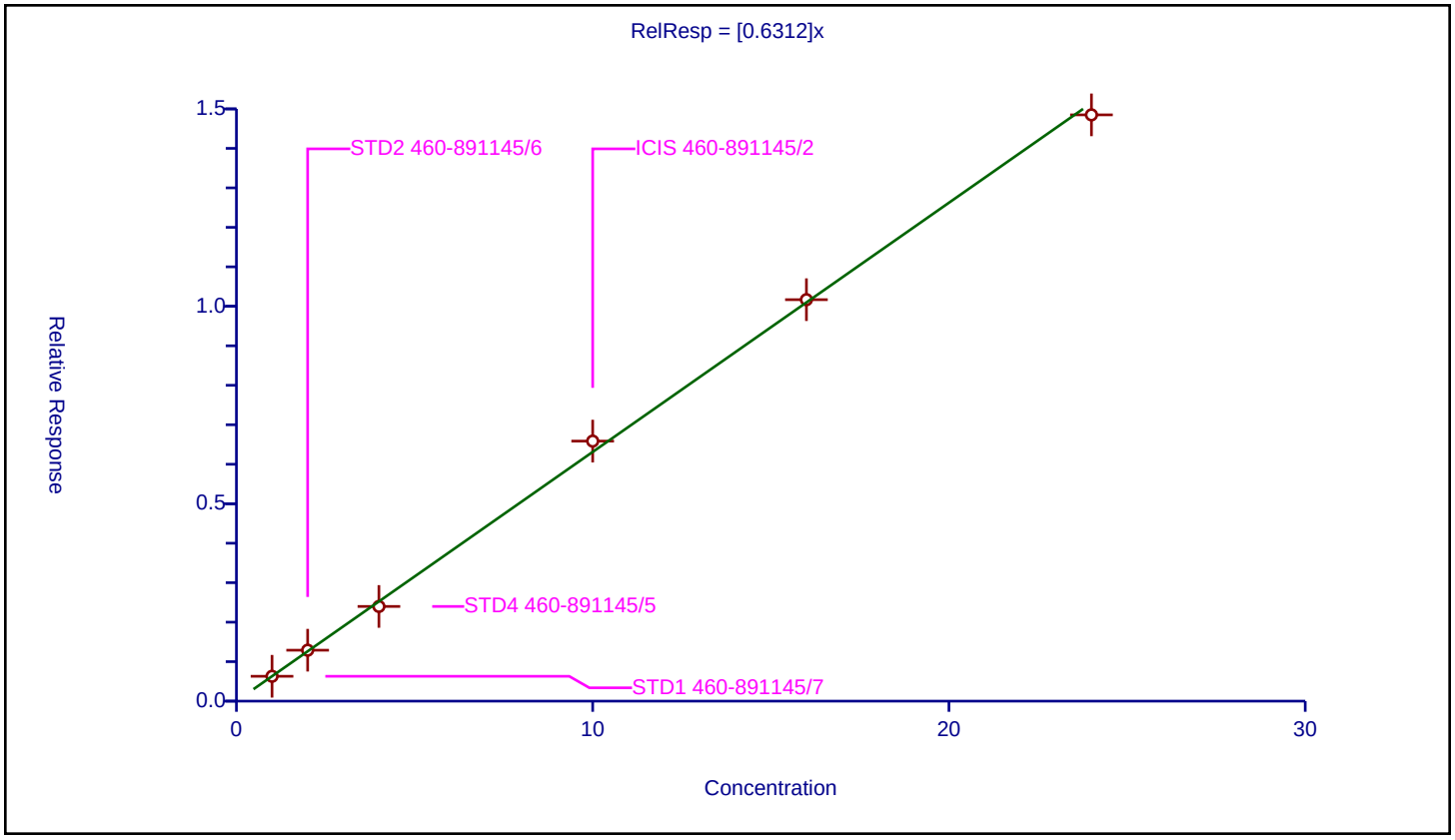
Curve Coefficients

Intercept:	0
Slope:	0.6312

Error Coefficients

Standard Error:	239000
Relative Standard Error:	3.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.6294	8.0	230340.0	0.6294	Y
2	STD2 460-891145/6	2.0	1.29032	8.0	236425.0	0.64516	Y
3	STD4 460-891145/5	4.0	2.398361	8.0	227899.0	0.59959	Y
4	ICIS 460-891145/2	10.0	6.585805	8.0	184563.0	0.658581	Y
5	STD16 460-891145/4	16.0	10.168088	8.0	227607.0	0.635505	Y
6	STD24 460-891145/3	24.0	14.849156	8.0	223085.0	0.618715	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

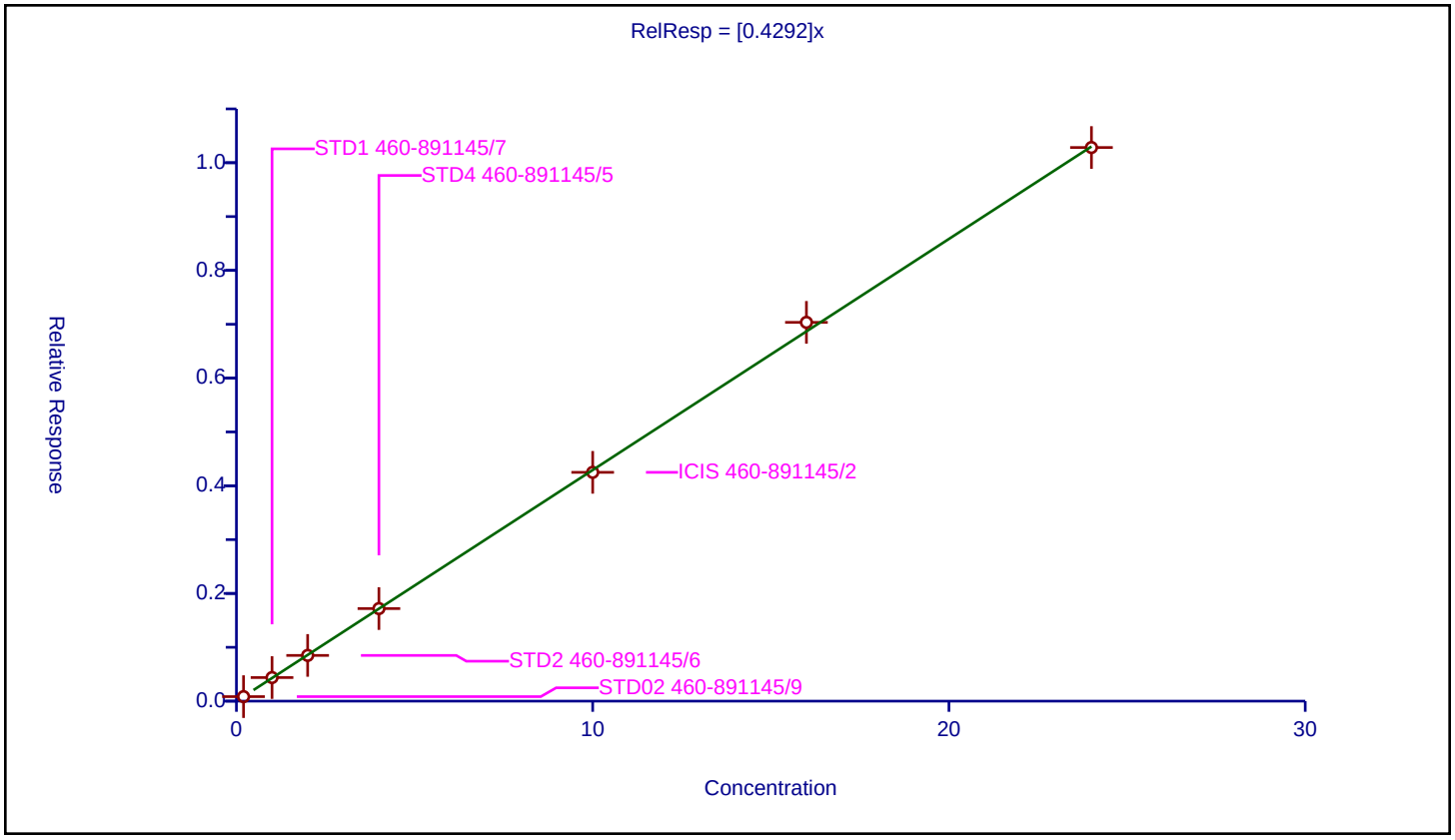
Curve Coefficients

Intercept:	0
Slope:	0.4292

Error Coefficients

Standard Error:	260000
Relative Standard Error:	1.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.083763	8.0	452421.0	0.418813	Y
2	STD1 460-891145/7	1.0	0.438113	8.0	374552.0	0.438113	Y
3	STD2 460-891145/6	2.0	0.849355	8.0	404288.0	0.424677	Y
4	STD4 460-891145/5	4.0	1.719166	8.0	381599.0	0.429791	Y
5	ICIS 460-891145/2	10.0	4.249749	8.0	349455.0	0.424975	Y
6	STD16 460-891145/4	16.0	7.035243	8.0	389520.0	0.439703	Y
7	STD24 460-891145/3	24.0	10.282909	8.0	385799.0	0.428455	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

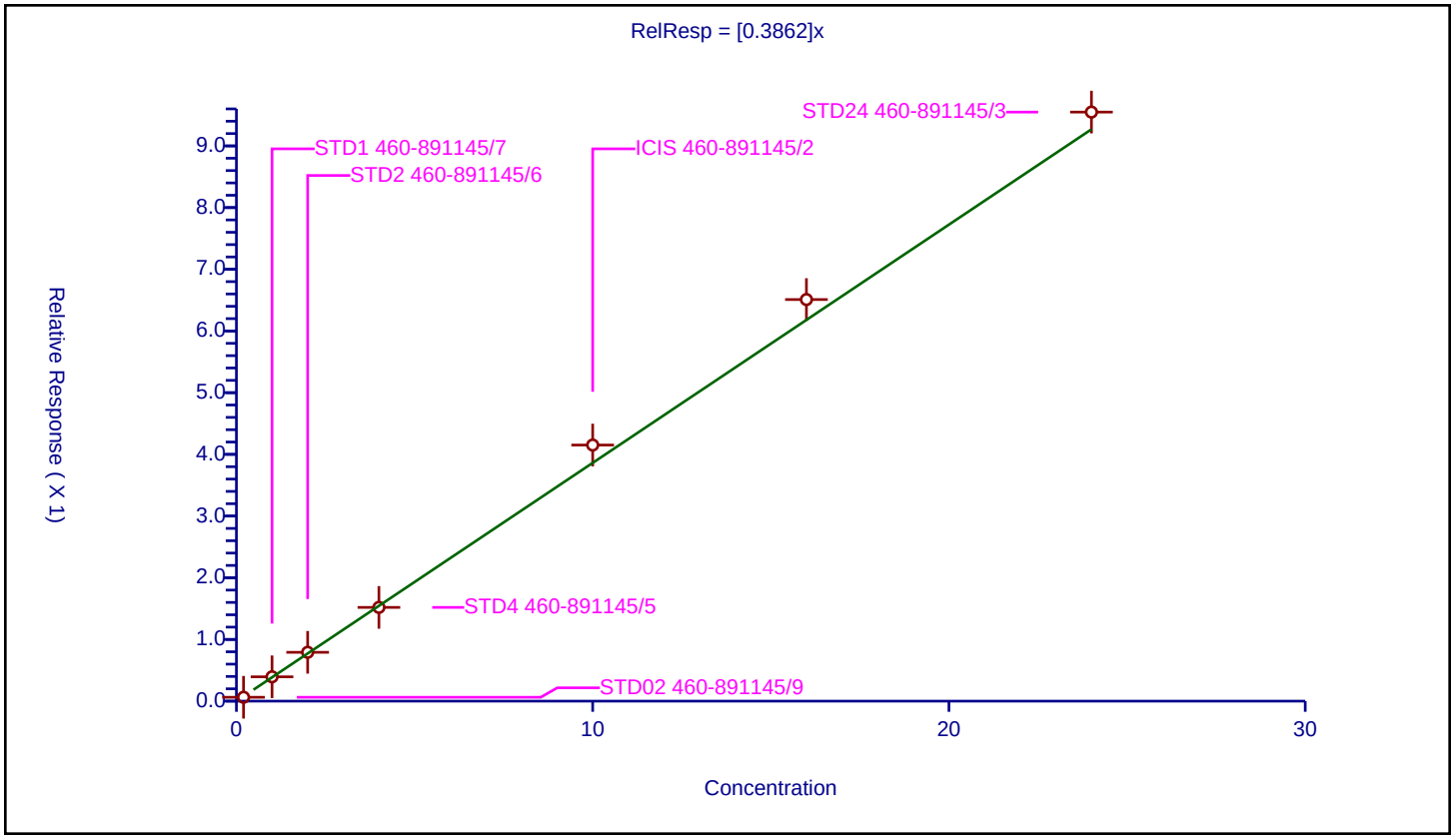
Curve Coefficients

Intercept:	0
Slope:	0.3862

Error Coefficients

Standard Error:	140000
Relative Standard Error:	8.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.062709	8.0	268031.0	0.313546	Y
2	STD1 460-891145/7	1.0	0.394408	8.0	230340.0	0.394408	Y
3	STD2 460-891145/6	2.0	0.791456	8.0	236425.0	0.395728	Y
4	STD4 460-891145/5	4.0	1.519585	8.0	227899.0	0.379896	Y
5	ICIS 460-891145/2	10.0	4.151298	8.0	184563.0	0.41513	Y
6	STD16 460-891145/4	16.0	6.509536	8.0	227607.0	0.406846	Y
7	STD24 460-891145/3	24.0	9.548396	8.0	223085.0	0.39785	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

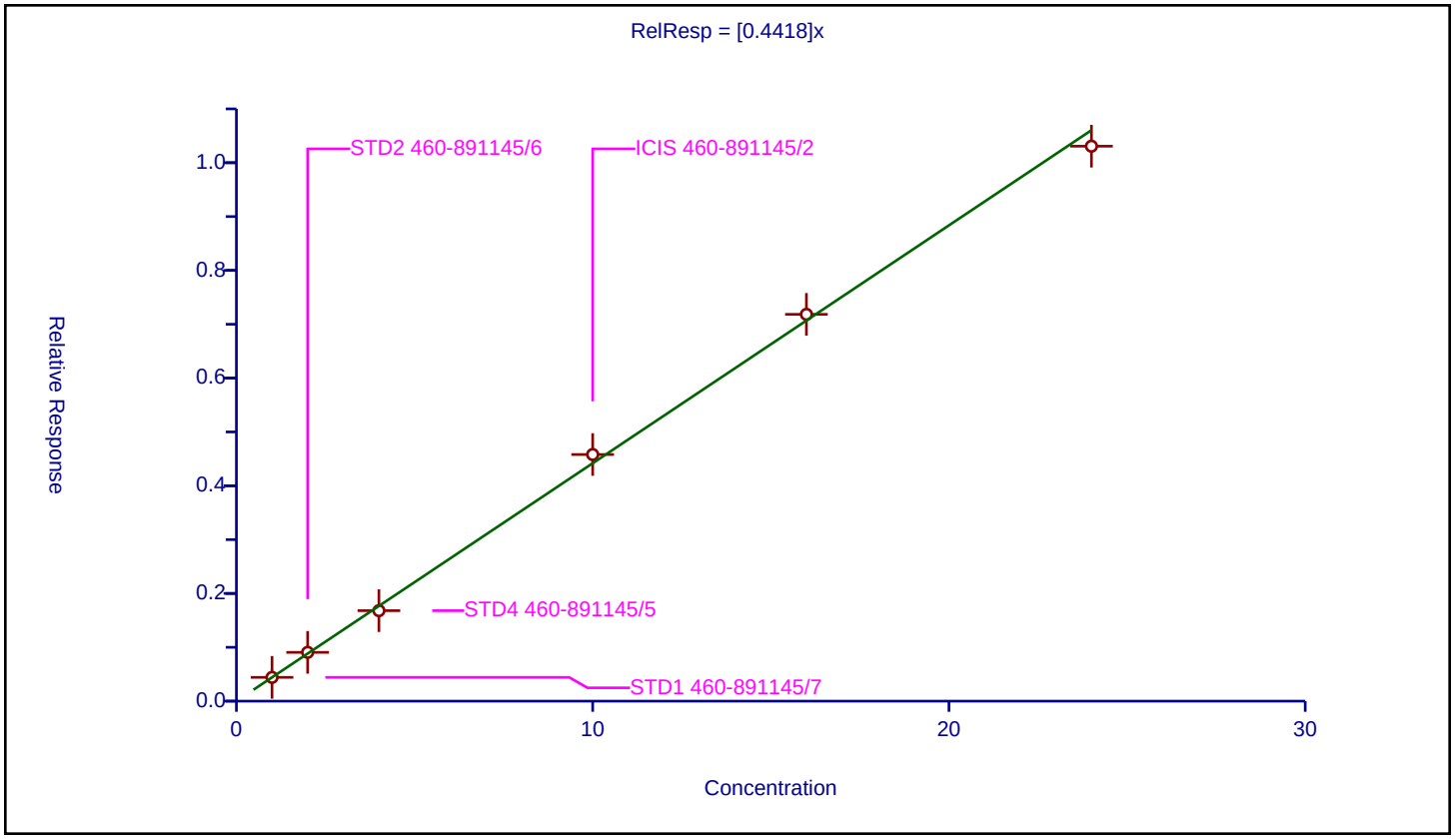
Curve Coefficients

Intercept:	0
Slope:	0.4418

Error Coefficients

Standard Error:	167000
Relative Standard Error:	3.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.441261	8.0	230340.0	0.441261	Y
2	STD2 460-891145/6	2.0	0.906131	8.0	236425.0	0.453065	Y
3	STD4 460-891145/5	4.0	1.680604	8.0	227899.0	0.420151	Y
4	ICIS 460-891145/2	10.0	4.580463	8.0	184563.0	0.458046	Y
5	STD16 460-891145/4	16.0	7.183892	8.0	227607.0	0.448993	Y
6	STD24 460-891145/3	24.0	10.307174	8.0	223085.0	0.429466	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

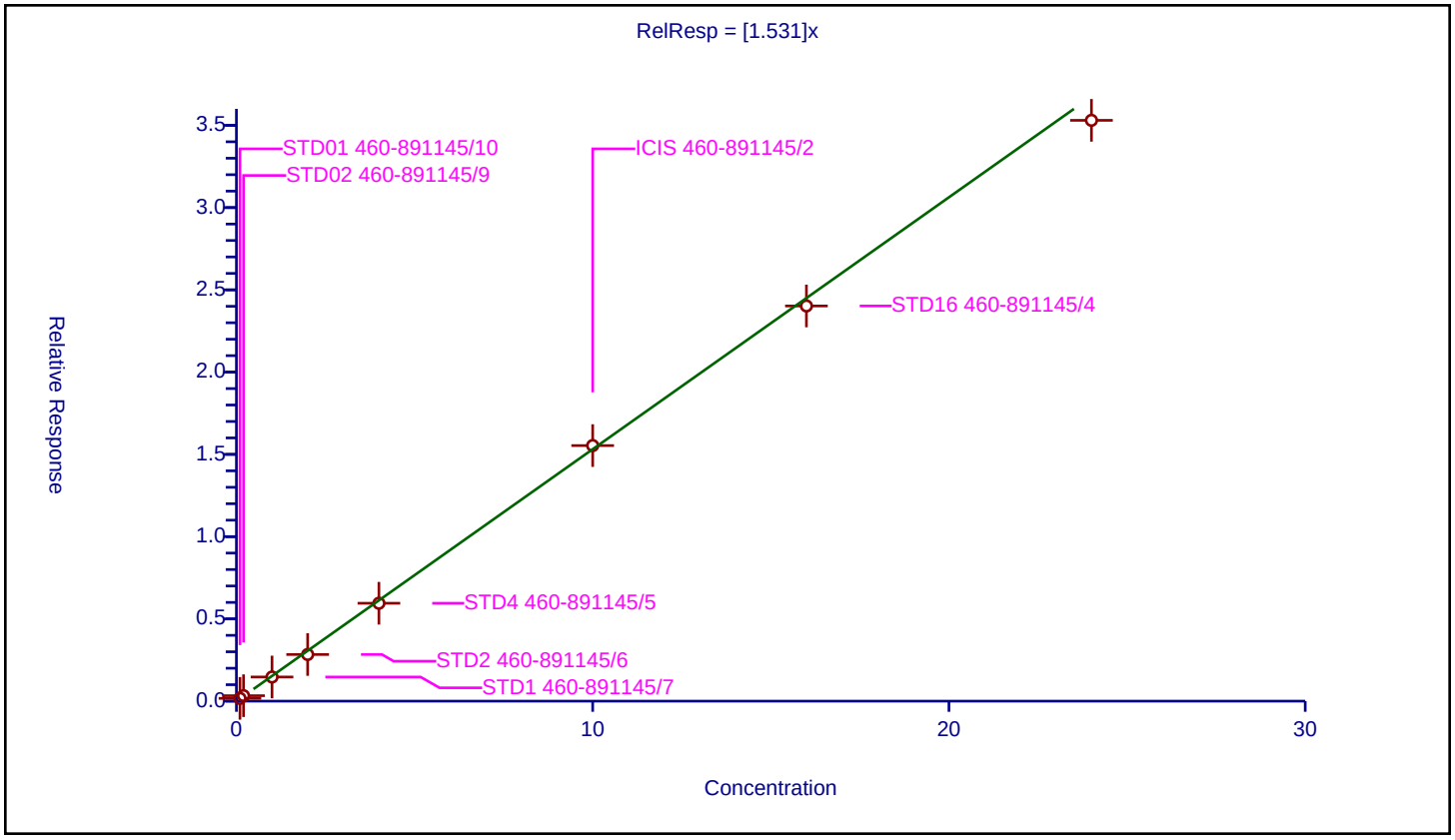
Curve Coefficients

Intercept:	0
Slope:	1.531

Error Coefficients

Standard Error:	478000
Relative Standard Error:	6.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.169808	8.0	232639.0	1.698082	Y
2	STD02 460-891145/9	0.2	0.330678	8.0	268031.0	1.653391	Y
3	STD1 460-891145/7	1.0	1.46823	8.0	230340.0	1.46823	Y
4	STD2 460-891145/6	2.0	2.834861	8.0	236425.0	1.41743	Y
5	STD4 460-891145/5	4.0	5.950496	8.0	227899.0	1.487624	Y
6	ICIS 460-891145/2	10.0	15.535508	8.0	184563.0	1.553551	Y
7	STD16 460-891145/4	16.0	24.021757	8.0	227607.0	1.50136	Y
8	STD24 460-891145/3	24.0	35.30353	8.0	223085.0	1.47098	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

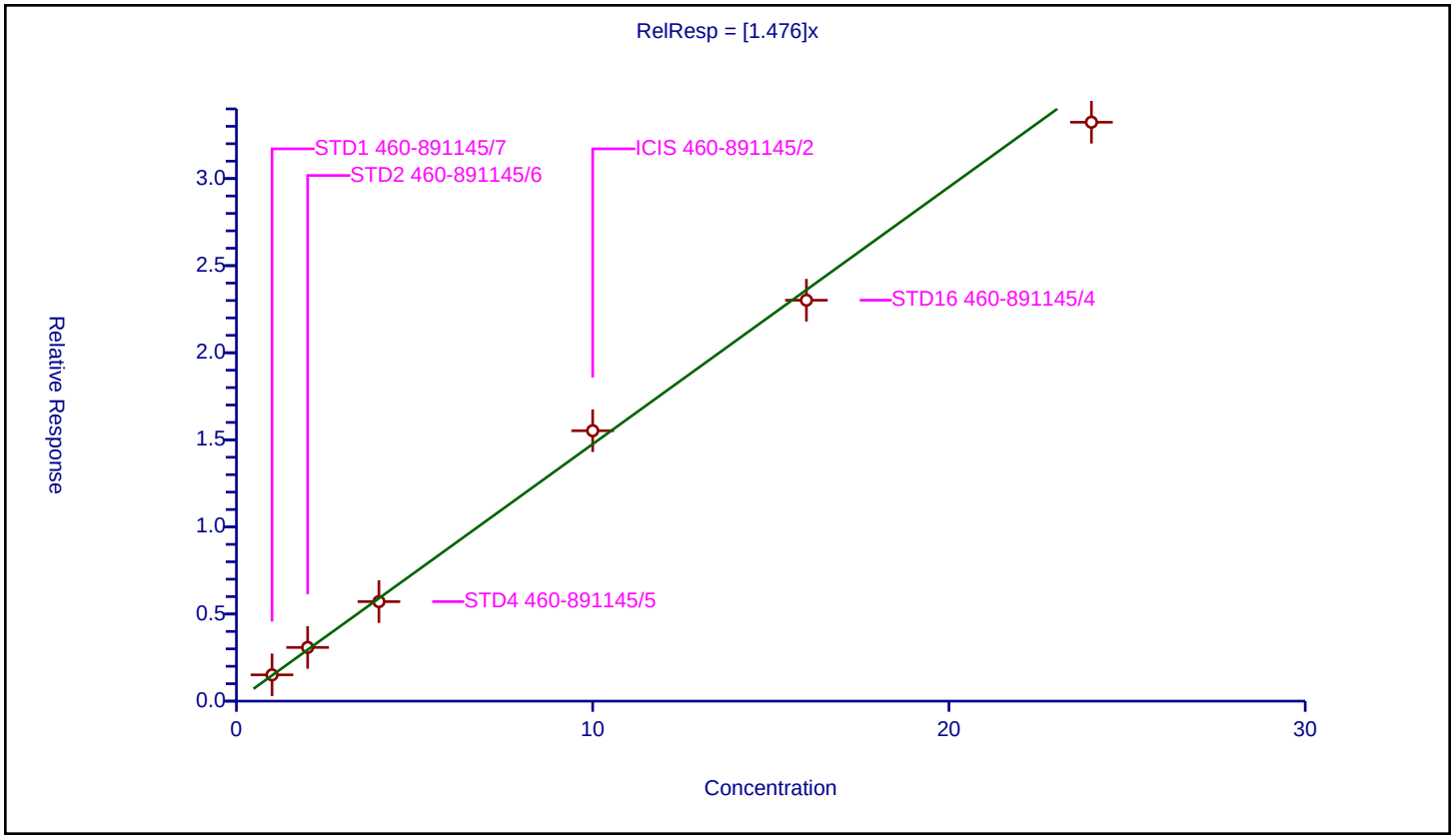
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Standard Error:	539000
Relative Standard Error:	4.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.507962	8.0	230340.0	1.507962	Y
2	STD2 460-891145/6	2.0	3.083667	8.0	236425.0	1.541834	Y
3	STD4 460-891145/5	4.0	5.712882	8.0	227899.0	1.42822	Y
4	ICIS 460-891145/2	10.0	15.524802	8.0	184563.0	1.55248	Y
5	STD16 460-891145/4	16.0	23.01771	8.0	227607.0	1.438607	Y
6	STD24 460-891145/3	24.0	33.235224	8.0	223085.0	1.384801	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

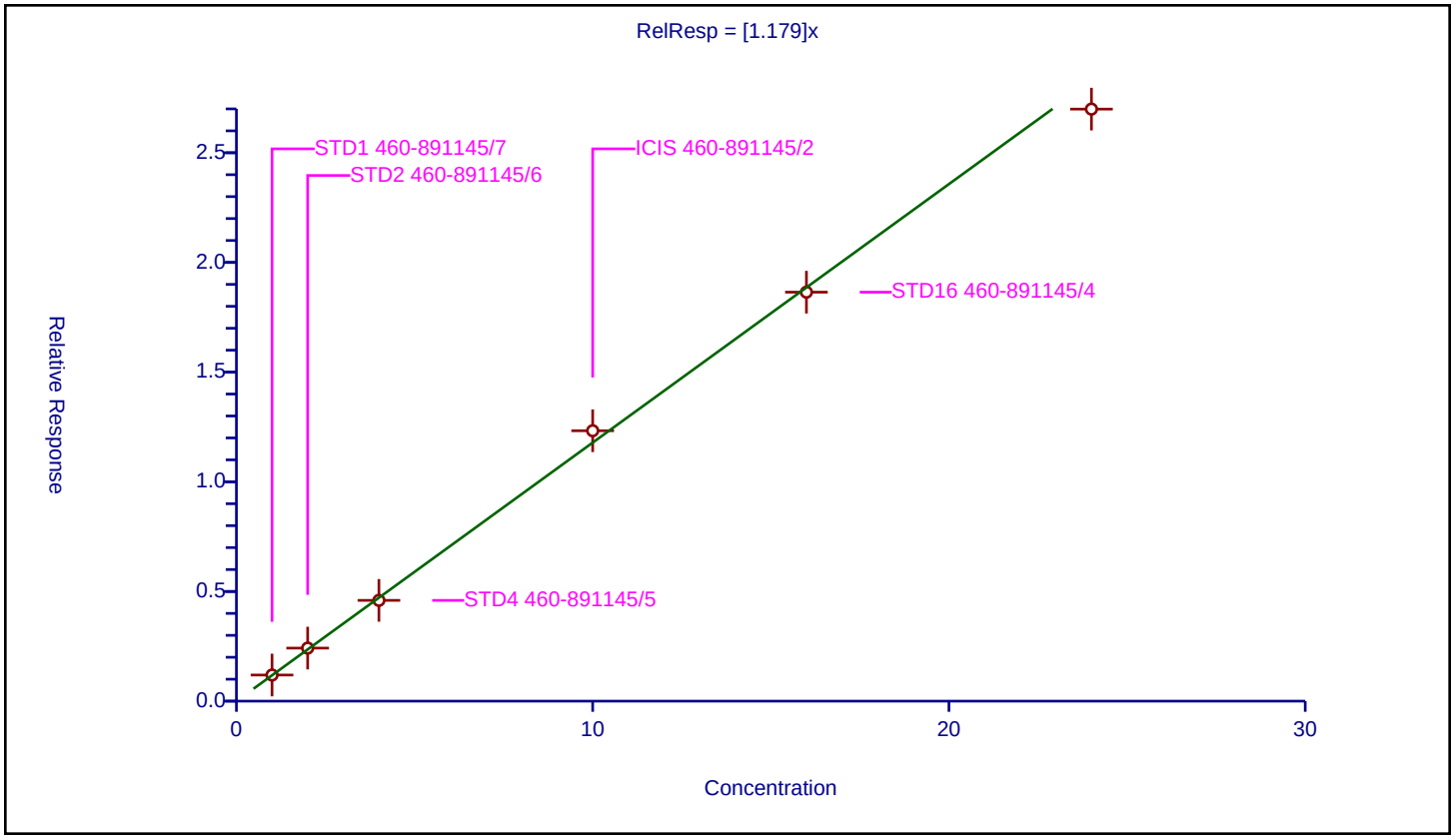
Curve Coefficients

Intercept:	0
Slope:	1.179

Error Coefficients

Standard Error:	436000
Relative Standard Error:	3.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.191074	8.0	230340.0	1.191074	Y
2	STD2 460-891145/6	2.0	2.418661	8.0	236425.0	1.209331	Y
3	STD4 460-891145/5	4.0	4.594035	8.0	227899.0	1.148509	Y
4	ICIS 460-891145/2	10.0	12.327108	8.0	184563.0	1.232711	Y
5	STD16 460-891145/4	16.0	18.644664	8.0	227607.0	1.165291	Y
6	STD24 460-891145/3	24.0	26.990752	8.0	223085.0	1.124615	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

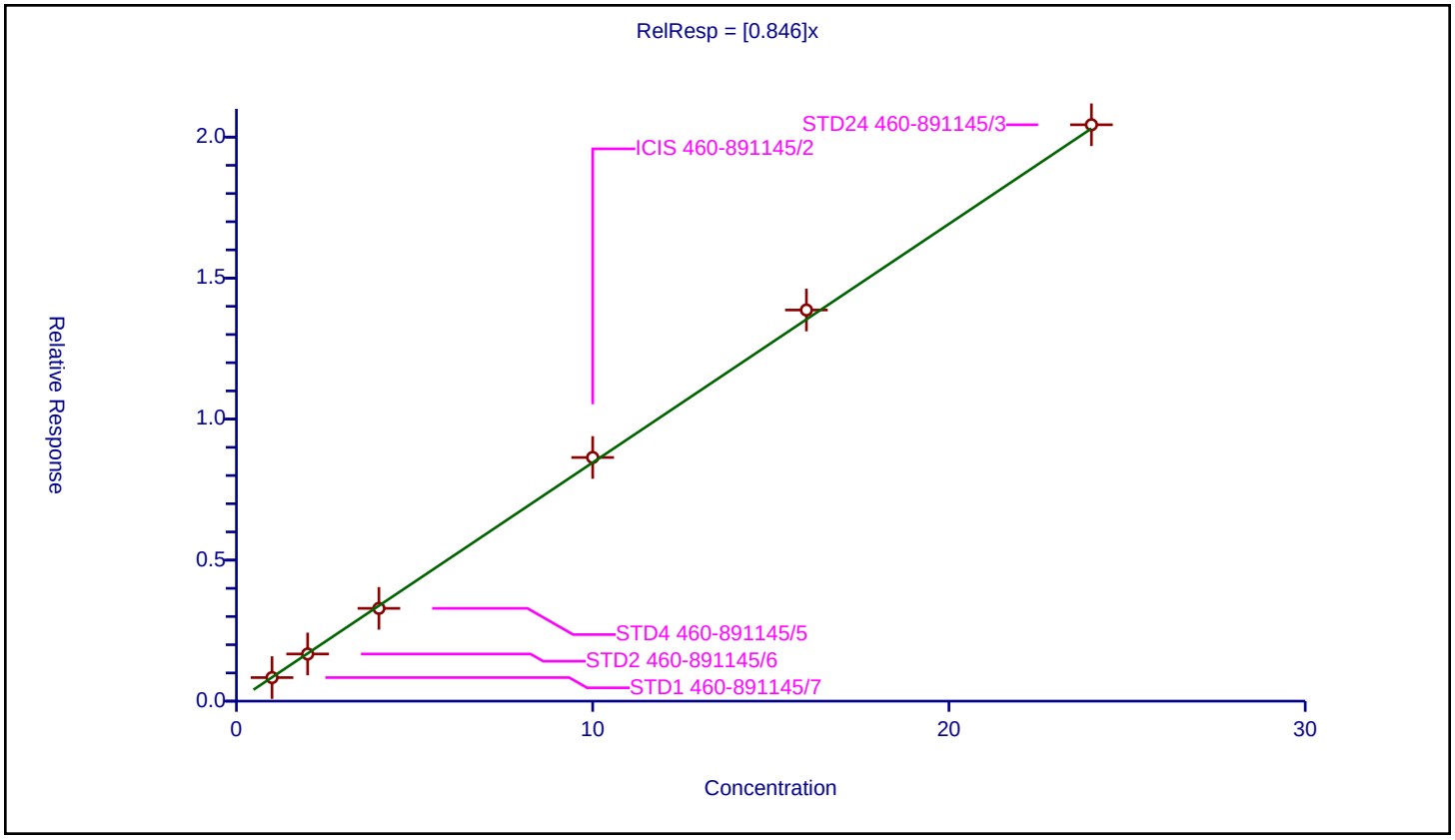
Curve Coefficients

Intercept:	0
Slope:	0.846

Error Coefficients

Standard Error:	326000
Relative Standard Error:	2.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.835079	8.0	230340.0	0.835079	Y
2	STD2 460-891145/6	2.0	1.672412	8.0	236425.0	0.836206	Y
3	STD4 460-891145/5	4.0	3.289352	8.0	227899.0	0.822338	Y
4	ICIS 460-891145/2	10.0	8.639695	8.0	184563.0	0.863969	Y
5	STD16 460-891145/4	16.0	13.86924	8.0	227607.0	0.866827	Y
6	STD24 460-891145/3	24.0	20.436946	8.0	223085.0	0.851539	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

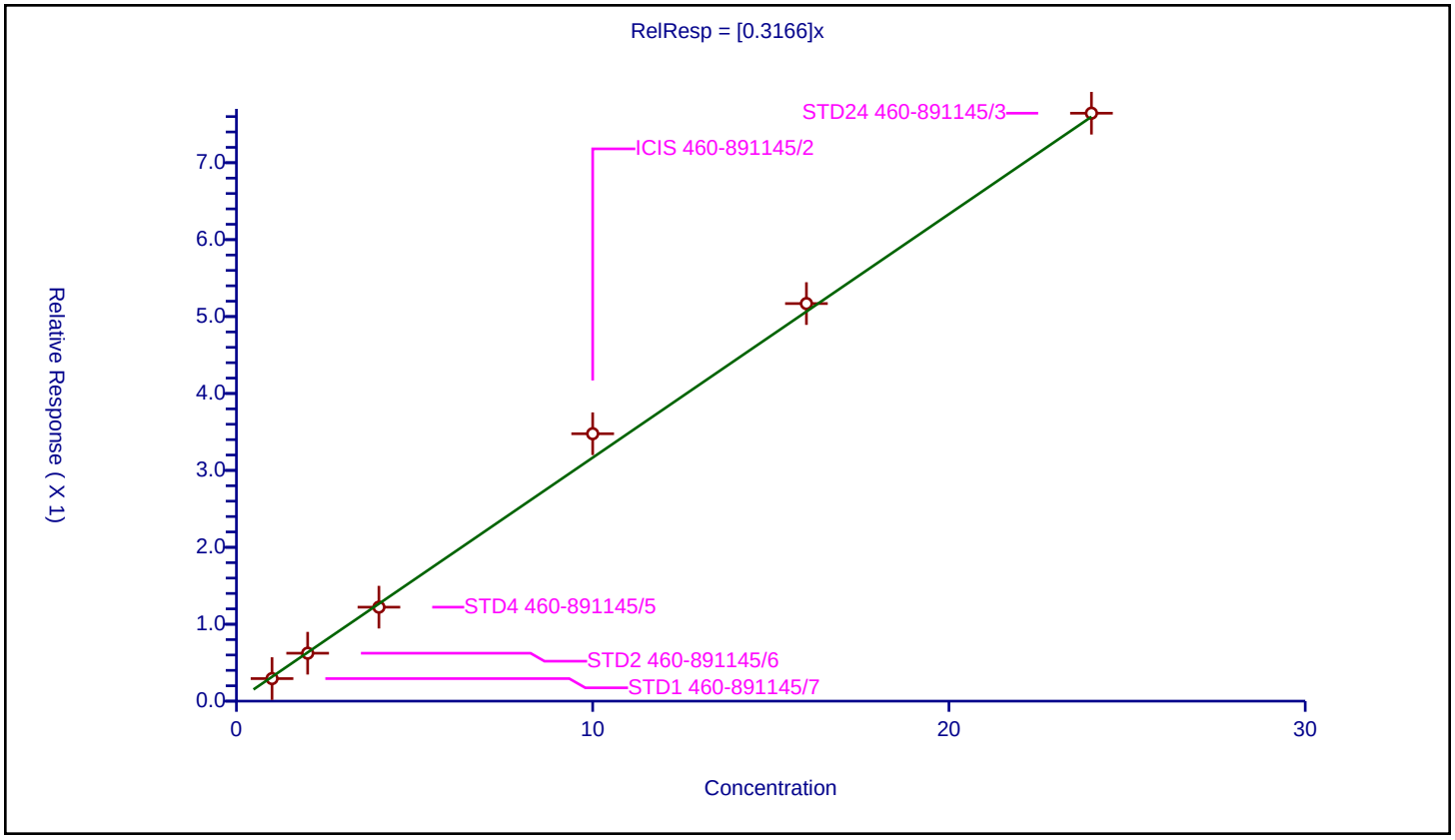
Curve Coefficients

Intercept:	0
Slope:	0.3166

Error Coefficients

Standard Error:	123000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.293271	8.0	230340.0	0.293271	Y
2	STD2 460-891145/6	2.0	0.623081	8.0	236425.0	0.311541	Y
3	STD4 460-891145/5	4.0	1.221769	8.0	227899.0	0.305442	Y
4	ICIS 460-891145/2	10.0	3.476797	8.0	184563.0	0.34768	Y
5	STD16 460-891145/4	16.0	5.16891	8.0	227607.0	0.323057	Y
6	STD24 460-891145/3	24.0	7.643831	8.0	223085.0	0.318493	Y



Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

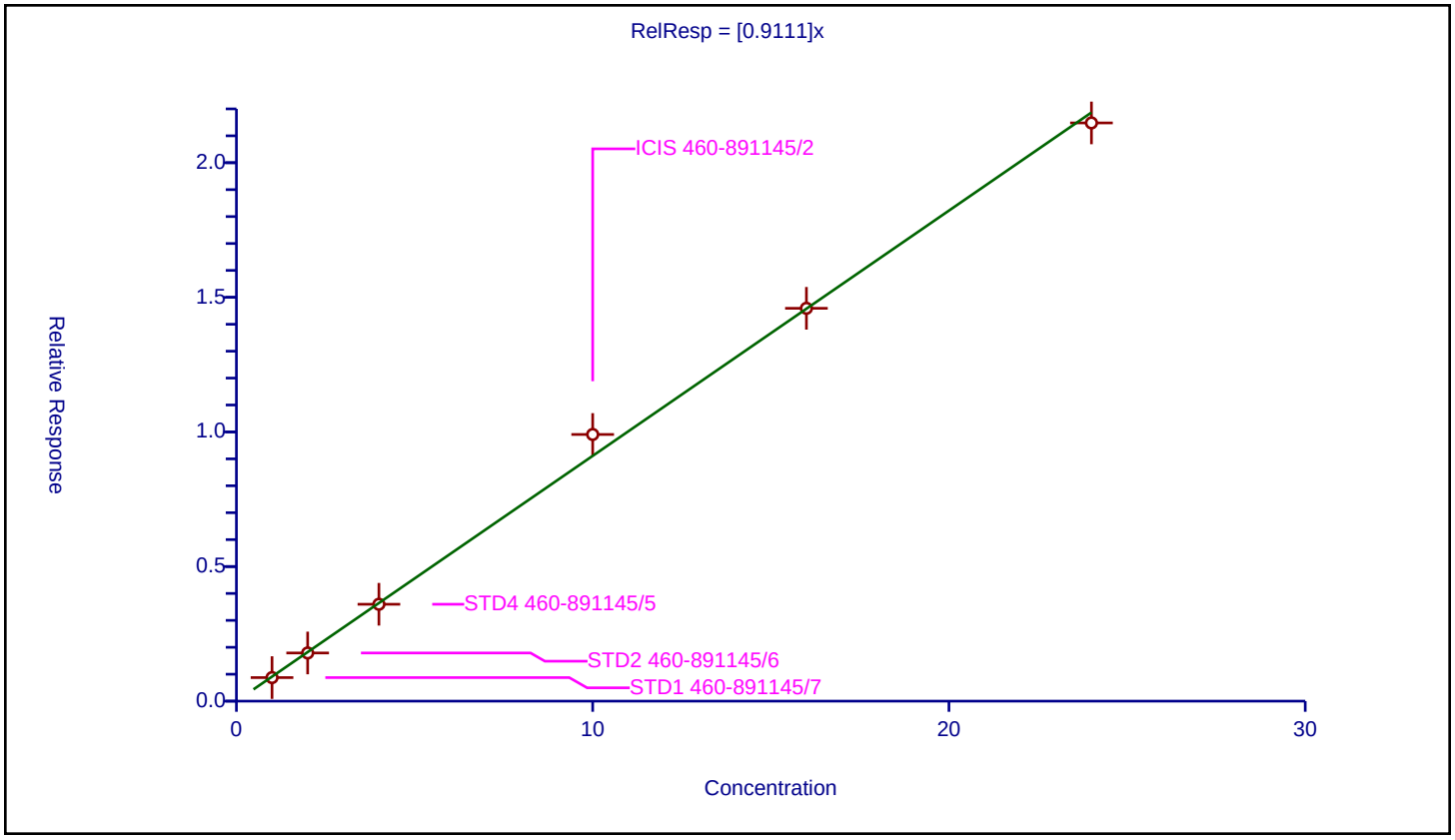
Curve Coefficients

Intercept:	0
Slope:	0.9111

Error Coefficients

Standard Error:	346000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.874776	8.0	230340.0	0.874776	Y
2	STD2 460-891145/6	2.0	1.788779	8.0	236425.0	0.894389	Y
3	STD4 460-891145/5	4.0	3.598857	8.0	227899.0	0.899714	Y
4	ICIS 460-891145/2	10.0	9.905864	8.0	184563.0	0.990586	Y
5	STD16 460-891145/4	16.0	14.592732	8.0	227607.0	0.912046	Y
6	STD24 460-891145/3	24.0	21.478414	8.0	223085.0	0.894934	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

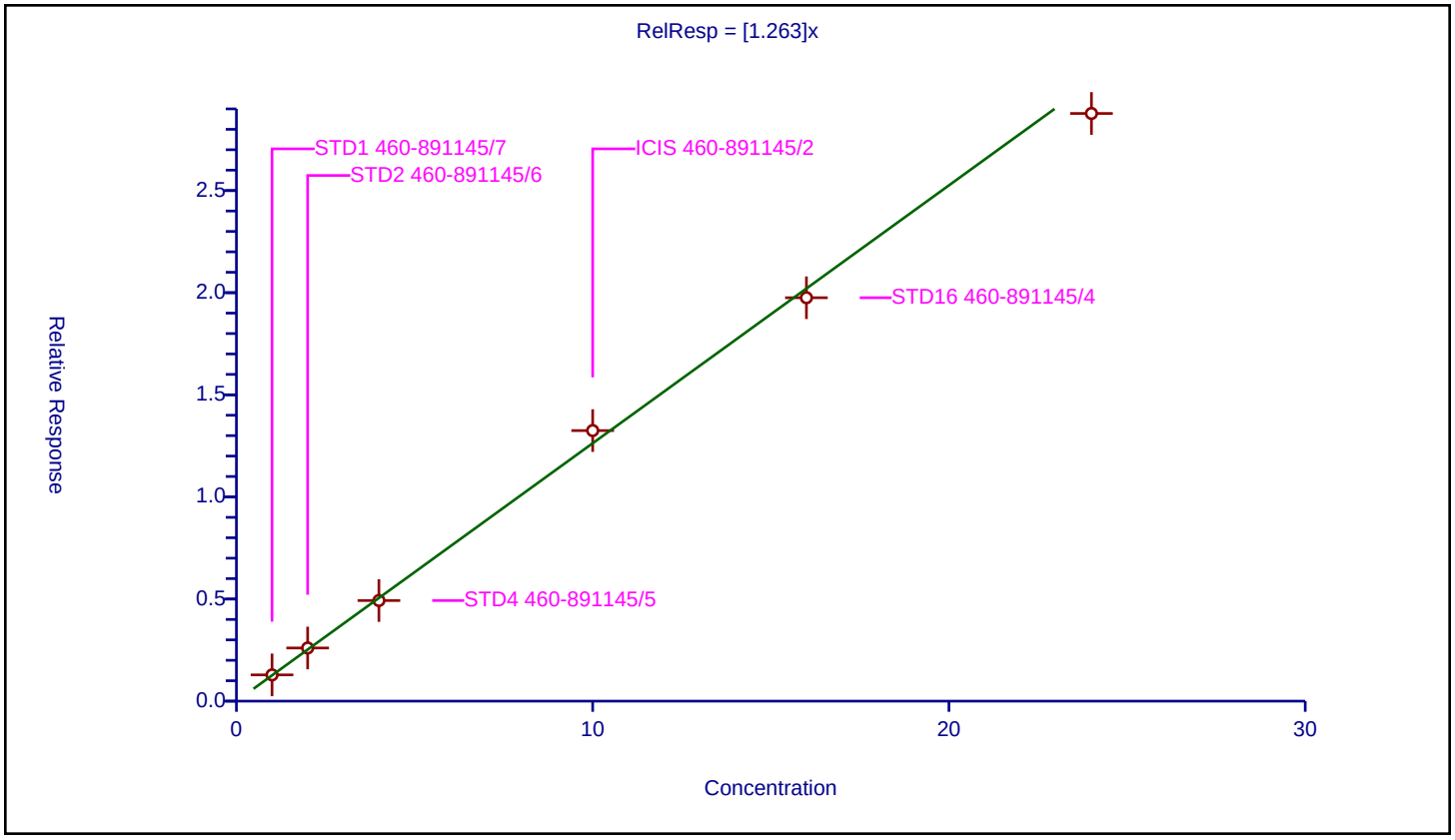
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Standard Error:	465000
Relative Standard Error:	3.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.285543	8.0	230340.0	1.285543	Y
2	STD2 460-891145/6	2.0	2.602906	8.0	236425.0	1.301453	Y
3	STD4 460-891145/5	4.0	4.926077	8.0	227899.0	1.231519	Y
4	ICIS 460-891145/2	10.0	13.247726	8.0	184563.0	1.324773	Y
5	STD16 460-891145/4	16.0	19.753241	8.0	227607.0	1.234578	Y
6	STD24 460-891145/3	24.0	28.7754	8.0	223085.0	1.198975	Y



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

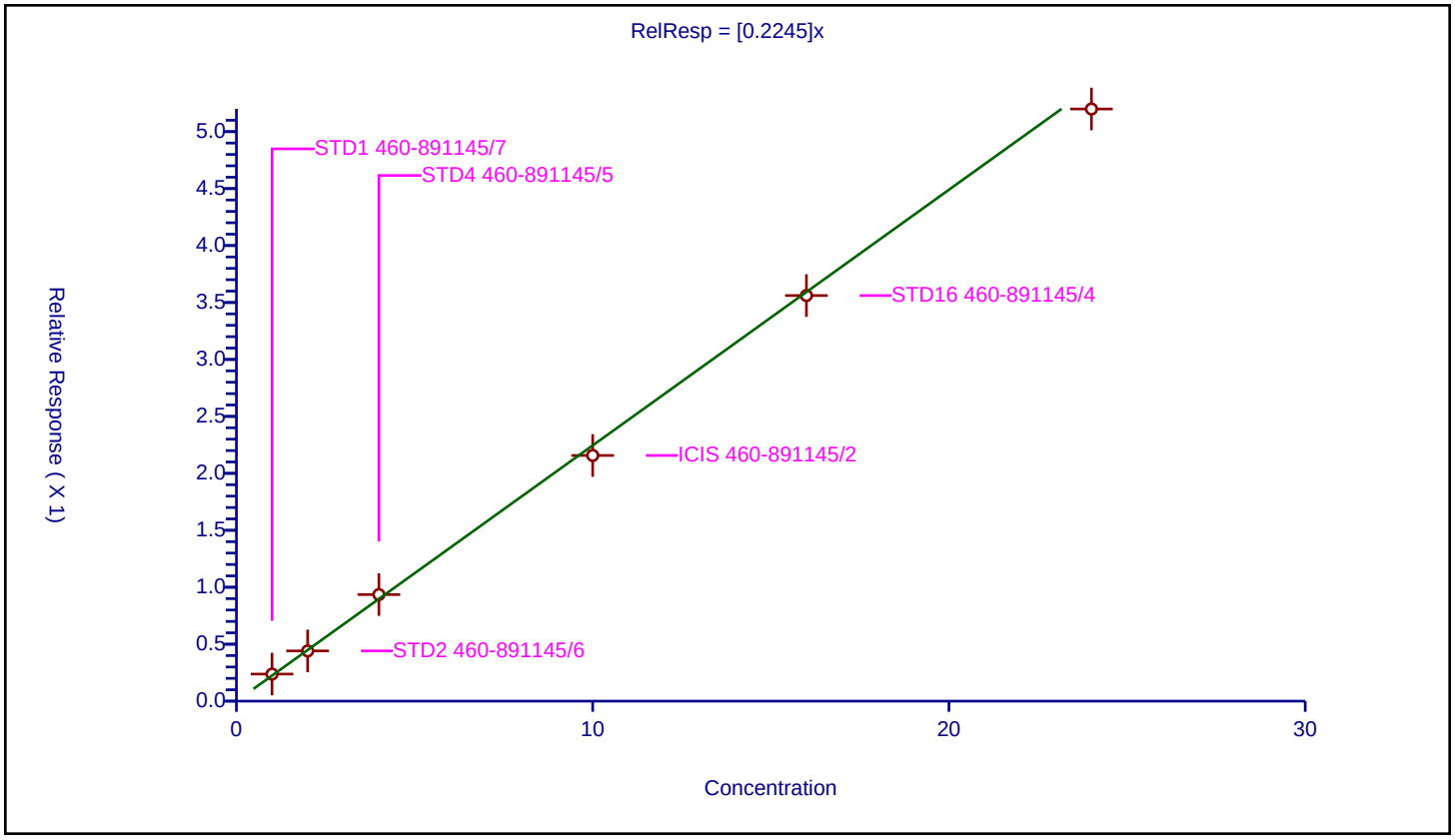
Curve Coefficients

Intercept:	0
Slope:	0.2245

Error Coefficients

Standard Error:	145000
Relative Standard Error:	4.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.237788	8.0	374552.0	0.237788	Y
2	STD2 460-891145/6	2.0	0.440854	8.0	404288.0	0.220427	Y
3	STD4 460-891145/5	4.0	0.935642	8.0	381599.0	0.23391	Y
4	ICIS 460-891145/2	10.0	2.157165	8.0	349455.0	0.215716	Y
5	STD16 460-891145/4	16.0	3.561142	8.0	389520.0	0.222571	Y
6	STD24 460-891145/3	24.0	5.19908	8.0	385799.0	0.216628	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

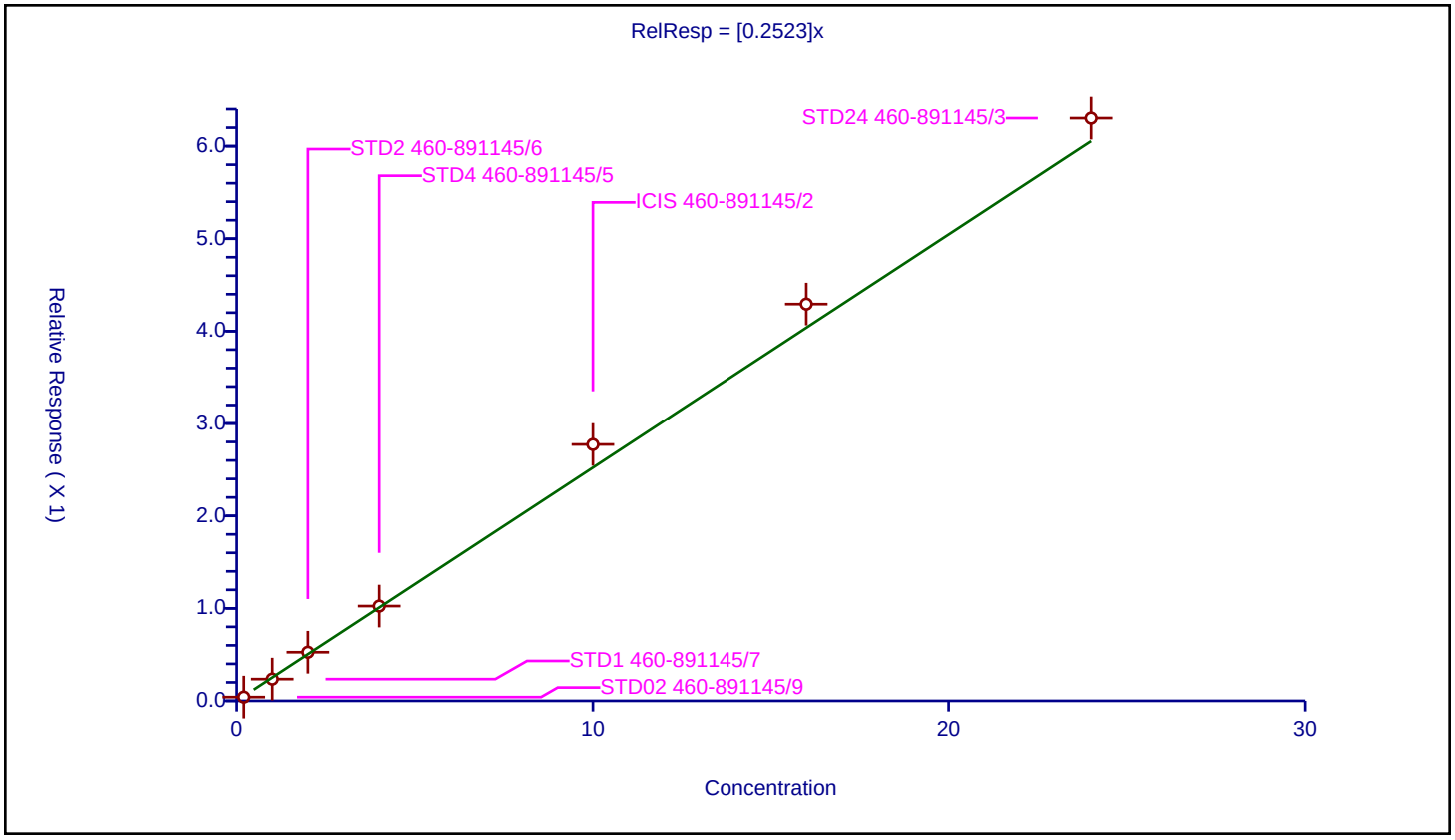
Curve Coefficients

Intercept:	0
Slope:	0.2523

Error Coefficients

Standard Error:	92200
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.040682	8.0	268031.0	0.203409	Y
2	STD1 460-891145/7	1.0	0.235235	8.0	230340.0	0.235235	Y
3	STD2 460-891145/6	2.0	0.525765	8.0	236425.0	0.262883	Y
4	STD4 460-891145/5	4.0	1.024735	8.0	227899.0	0.256184	Y
5	ICIS 460-891145/2	10.0	2.773297	8.0	184563.0	0.27733	Y
6	STD16 460-891145/4	16.0	4.292768	8.0	227607.0	0.268298	Y
7	STD24 460-891145/3	24.0	6.302817	8.0	223085.0	0.262617	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

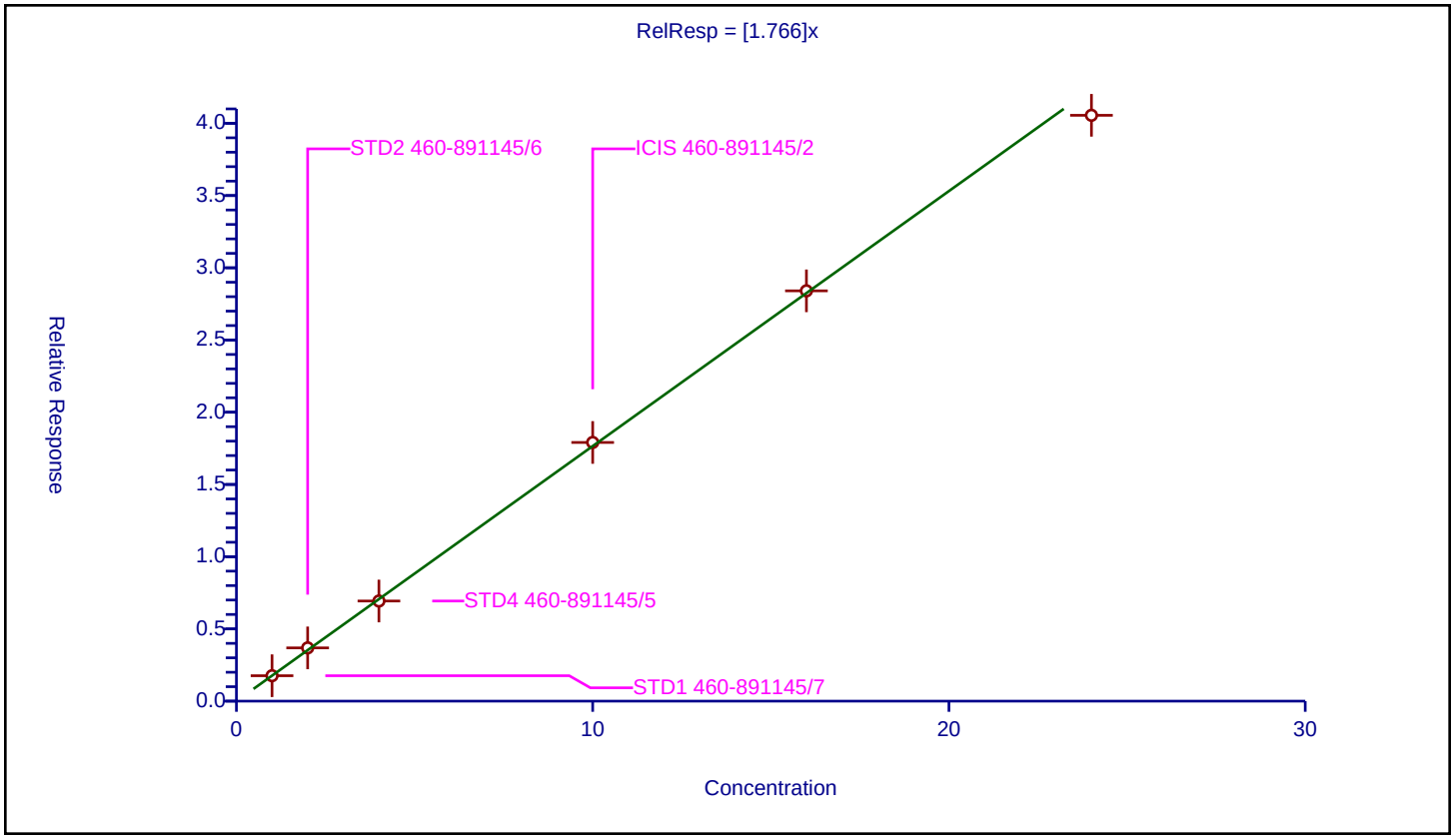
Curve Coefficients

Intercept:	0
Slope:	1.766

Error Coefficients

Standard Error:	657000
Relative Standard Error:	3.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.760736	8.0	230340.0	1.760736	Y
2	STD2 460-891145/6	2.0	3.687529	8.0	236425.0	1.843764	Y
3	STD4 460-891145/5	4.0	6.931035	8.0	227899.0	1.732759	Y
4	ICIS 460-891145/2	10.0	17.908942	8.0	184563.0	1.790894	Y
5	STD16 460-891145/4	16.0	28.405067	8.0	227607.0	1.775317	Y
6	STD24 460-891145/3	24.0	40.556165	8.0	223085.0	1.68984	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

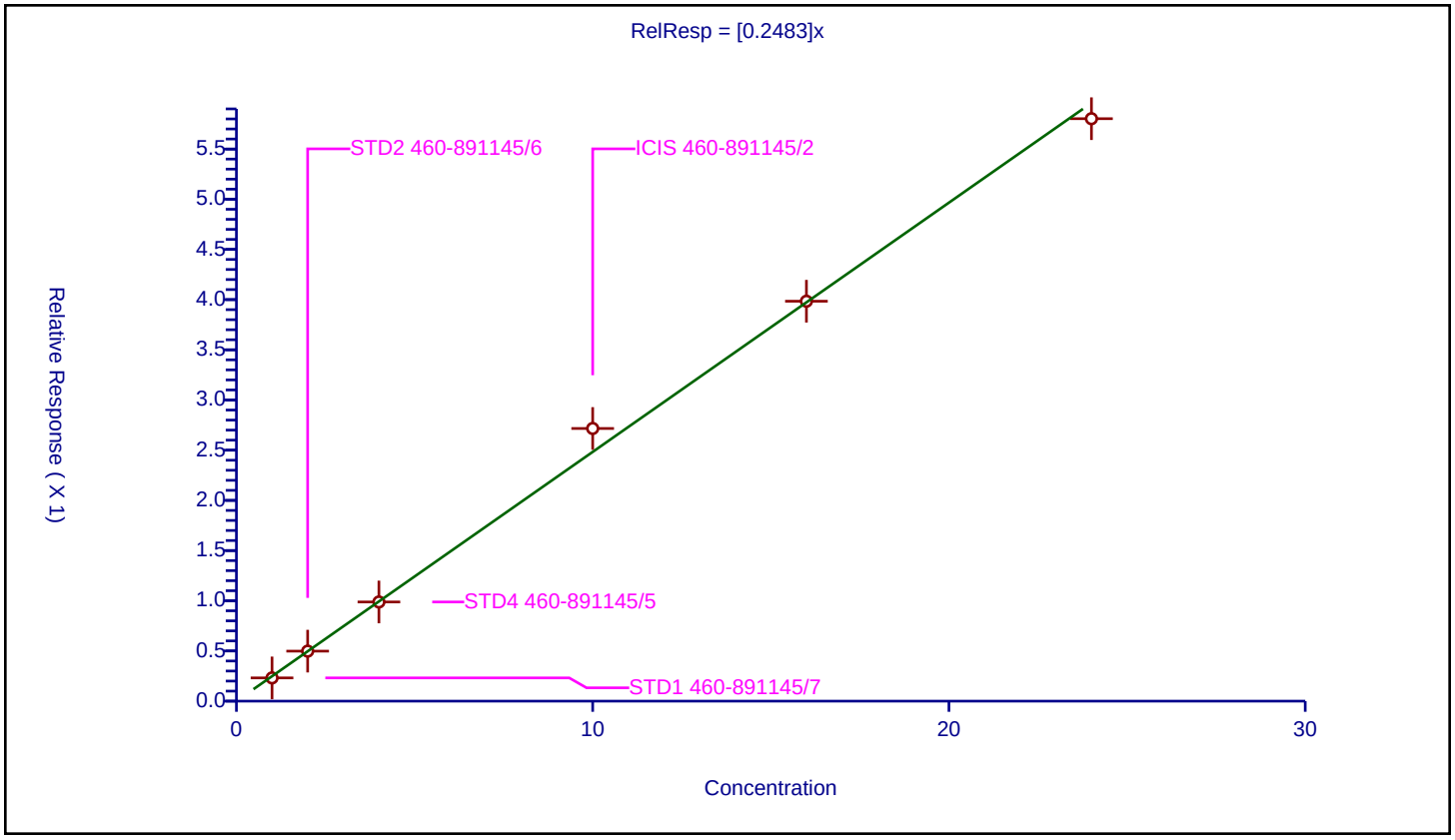
Curve Coefficients

Intercept:	0
Slope:	0.2483

Error Coefficients

Standard Error:	93800
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.23138	8.0	230340.0	0.23138	Y
2	STD2 460-891145/6	2.0	0.498086	8.0	236425.0	0.249043	Y
3	STD4 460-891145/5	4.0	0.987841	8.0	227899.0	0.24696	Y
4	ICIS 460-891145/2	10.0	2.716254	8.0	184563.0	0.271625	Y
5	STD16 460-891145/4	16.0	3.984166	8.0	227607.0	0.24901	Y
6	STD24 460-891145/3	24.0	5.802309	8.0	223085.0	0.241763	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

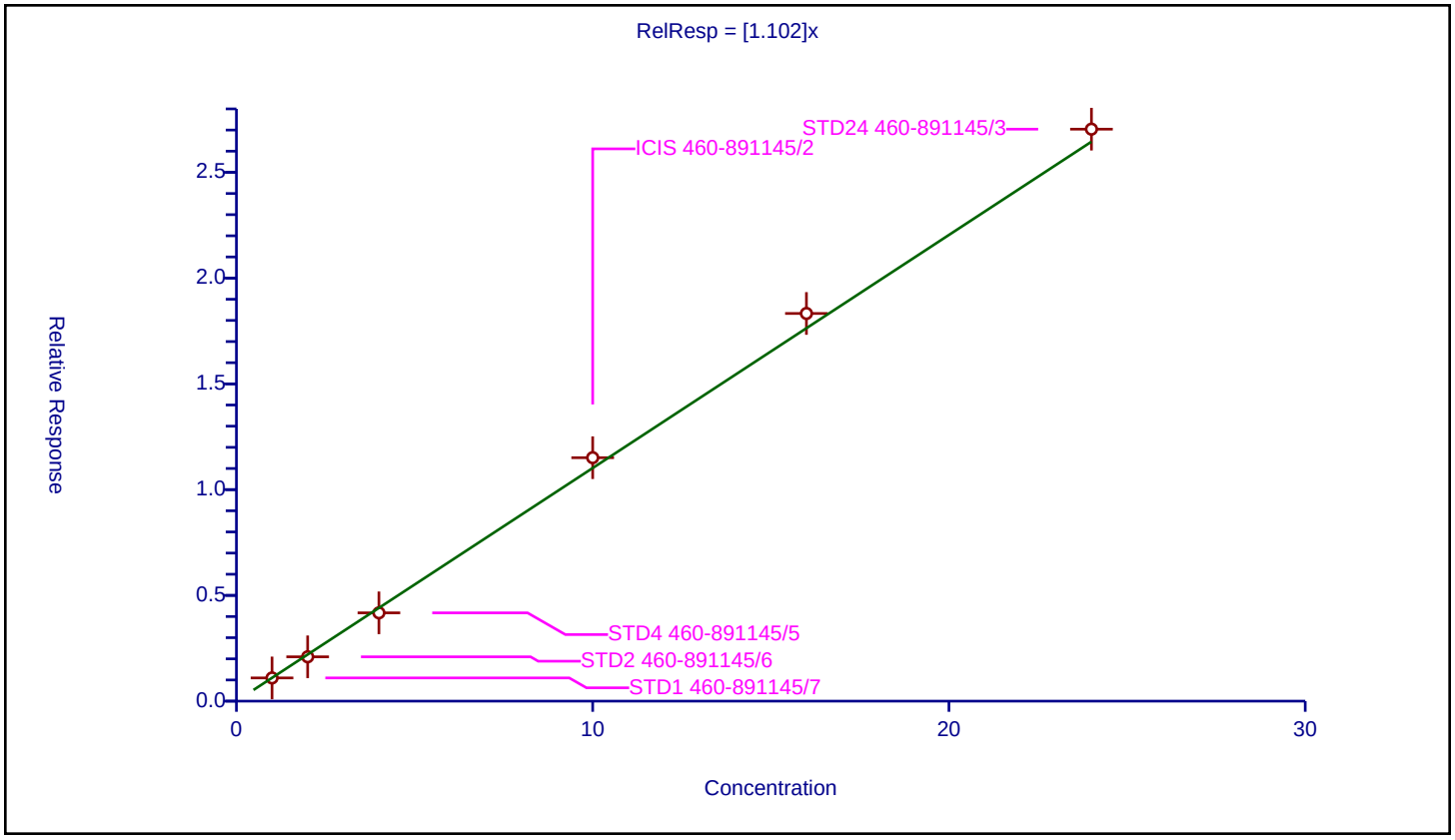
Curve Coefficients

Intercept:	0
Slope:	1.102

Error Coefficients

Standard Error:	431000
Relative Standard Error:	4.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.097057	8.0	230340.0	1.097057	Y
2	STD2 460-891145/6	2.0	2.095988	8.0	236425.0	1.047994	Y
3	STD4 460-891145/5	4.0	4.174832	8.0	227899.0	1.043708	Y
4	ICIS 460-891145/2	10.0	11.509869	8.0	184563.0	1.150987	Y
5	STD16 460-891145/4	16.0	18.328399	8.0	227607.0	1.145525	Y
6	STD24 460-891145/3	24.0	27.042141	8.0	223085.0	1.126756	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

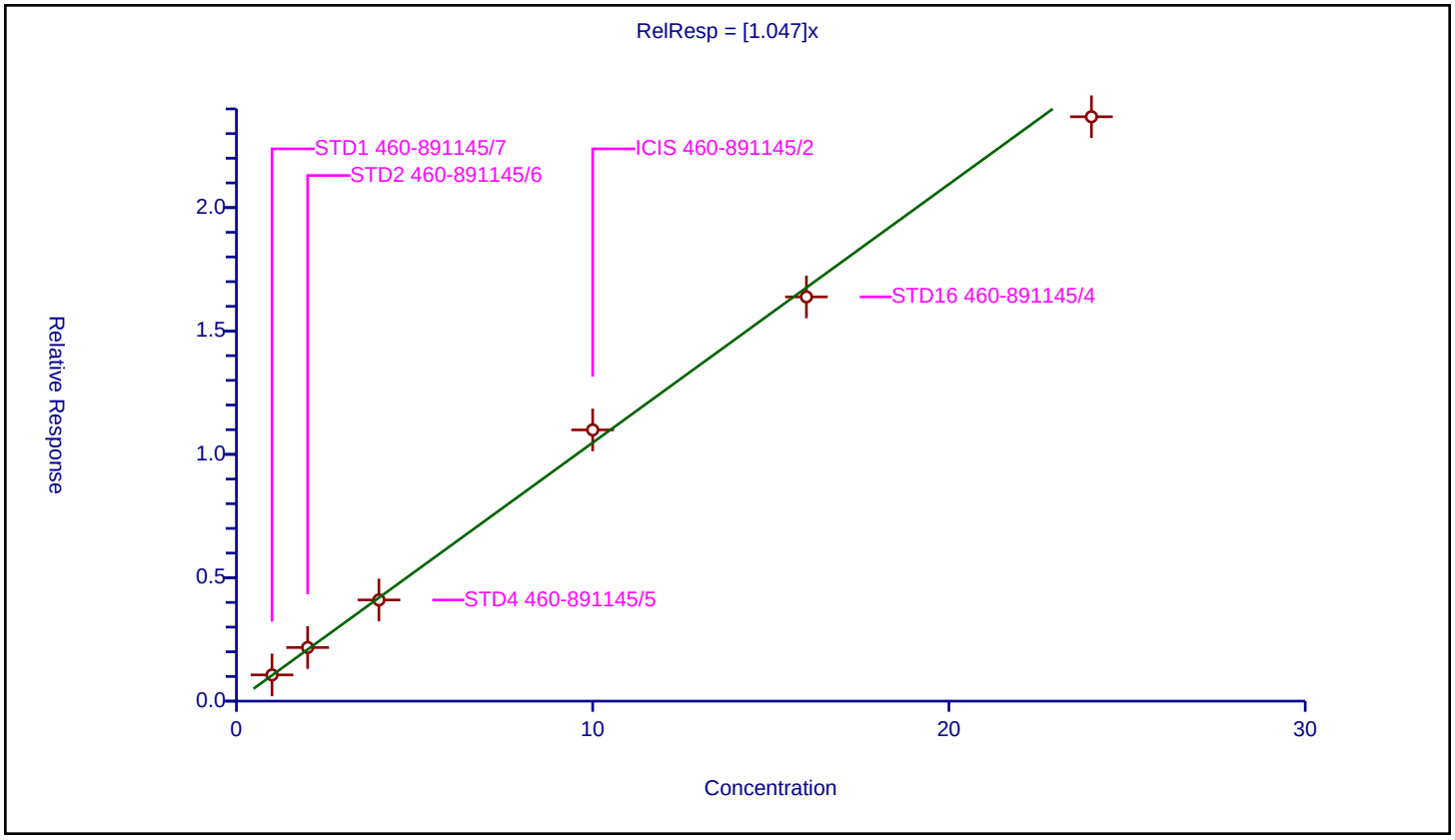
Curve Coefficients

Intercept:	0
Slope:	1.047

Error Coefficients

Standard Error:	384000
Relative Standard Error:	4.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.06302	8.0	230340.0	1.06302	Y
2	STD2 460-891145/6	2.0	2.173307	8.0	236425.0	1.086653	Y
3	STD4 460-891145/5	4.0	4.099746	8.0	227899.0	1.024936	Y
4	ICIS 460-891145/2	10.0	10.992236	8.0	184563.0	1.099224	Y
5	STD16 460-891145/4	16.0	16.38273	8.0	227607.0	1.023921	Y
6	STD24 460-891145/3	24.0	23.681951	8.0	223085.0	0.986748	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

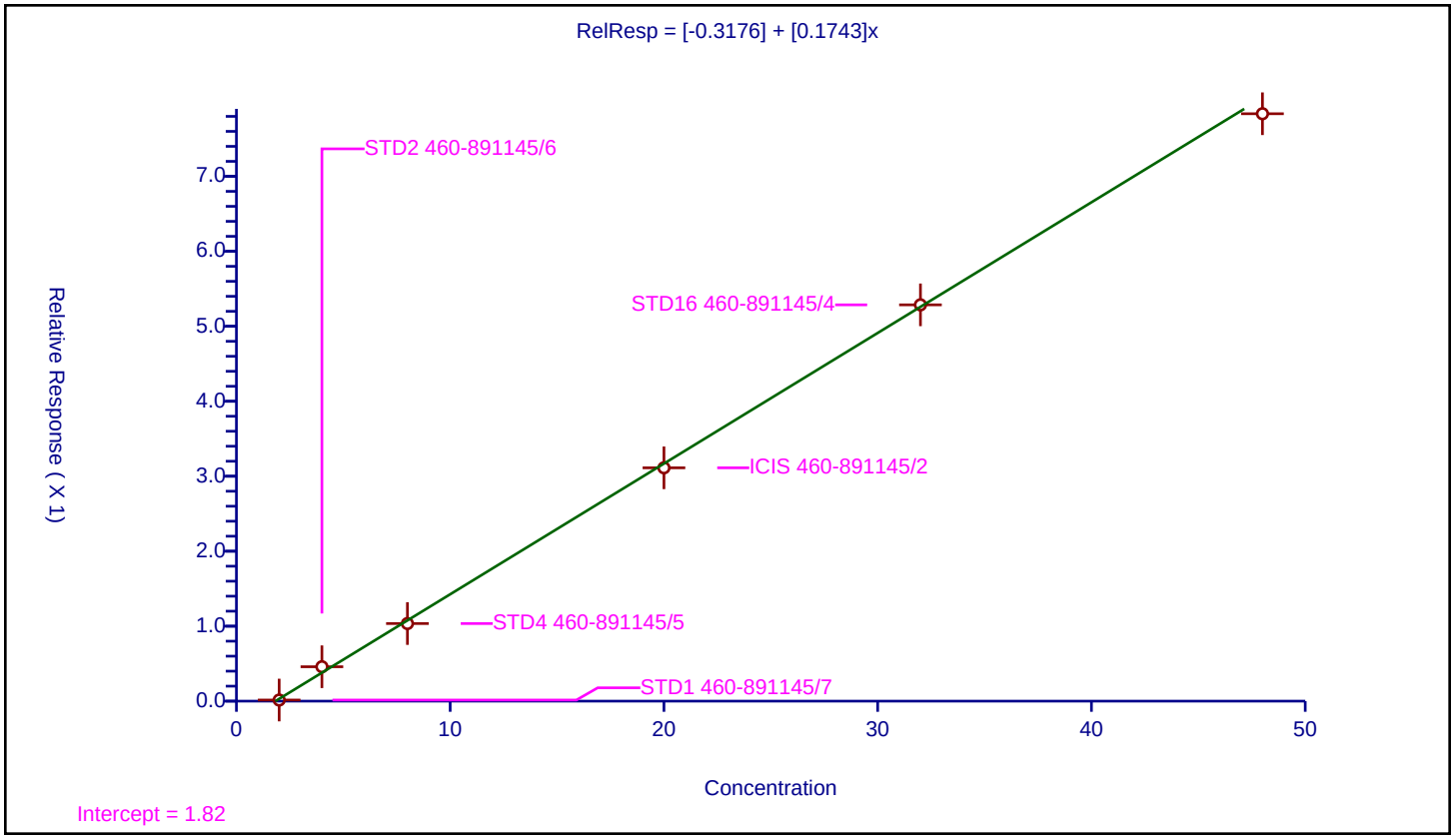
Curve Coefficients

Intercept:	-0.3176
Slope:	0.1743

Error Coefficients

Standard Error:	138000
Relative Standard Error:	6.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	2.0	0.014587	8.0	230340.0	0.007294	Y
2	STD2 460-891145/6	4.0	0.458767	8.0	236425.0	0.114692	Y
3	STD4 460-891145/5	8.0	1.034985	8.0	227899.0	0.129373	Y
4	ICIS 460-891145/2	20.0	3.11239	8.0	184563.0	0.155619	Y
5	STD16 460-891145/4	32.0	5.286235	8.0	227607.0	0.165195	Y
6	STD24 460-891145/3	48.0	7.835399	8.0	223085.0	0.163237	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

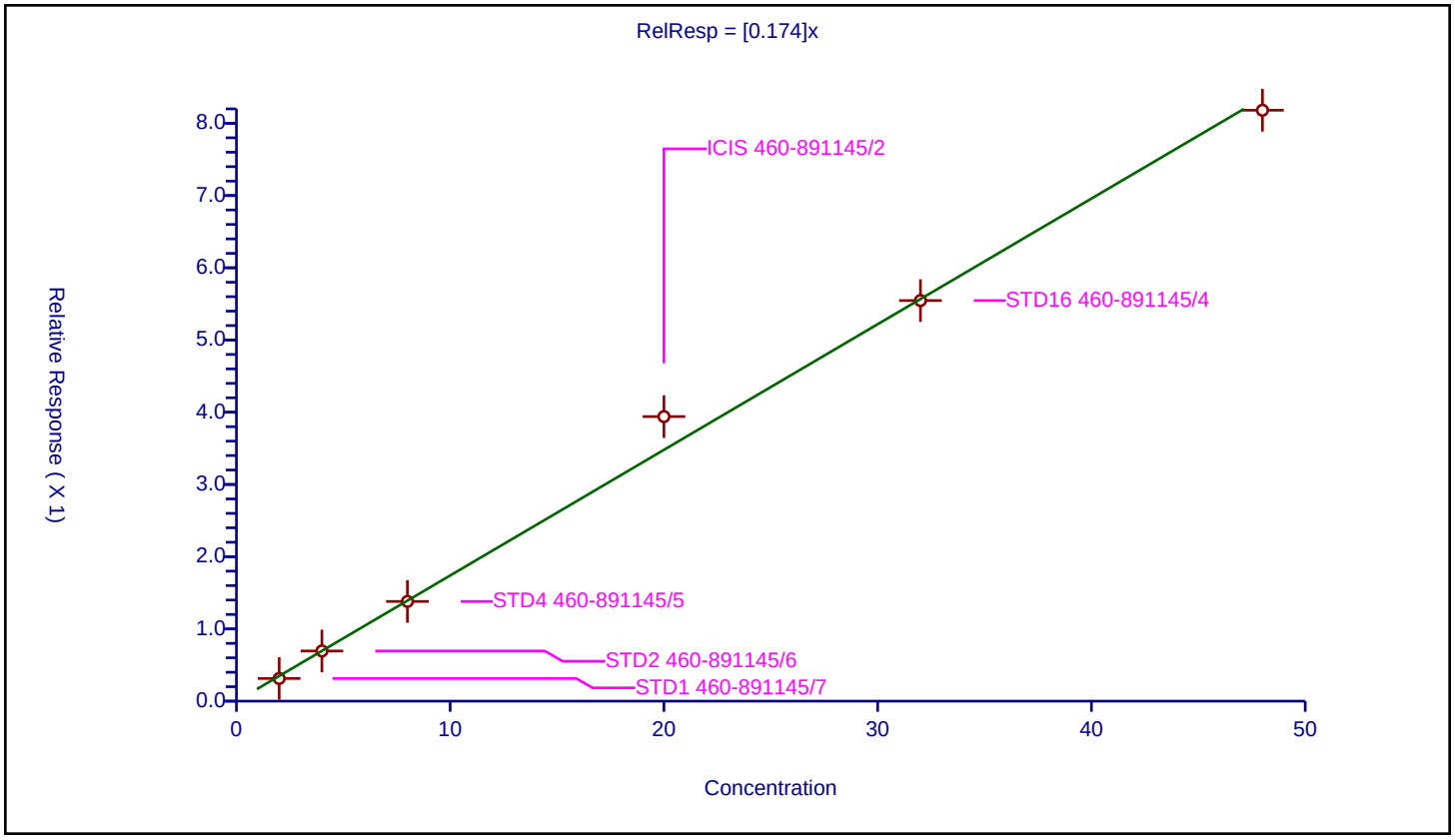
Curve Coefficients

Intercept:	0
Slope:	0.174

Error Coefficients

Standard Error:	132000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	2.0	0.313623	8.0	230340.0	0.156812	Y
2	STD2 460-891145/6	4.0	0.694478	8.0	236425.0	0.17362	Y
3	STD4 460-891145/5	8.0	1.380612	8.0	227899.0	0.172576	Y
4	ICIS 460-891145/2	20.0	3.939945	8.0	184563.0	0.196997	Y
5	STD16 460-891145/4	32.0	5.546332	8.0	227607.0	0.173323	Y
6	STD24 460-891145/3	48.0	8.18124	8.0	223085.0	0.170443	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

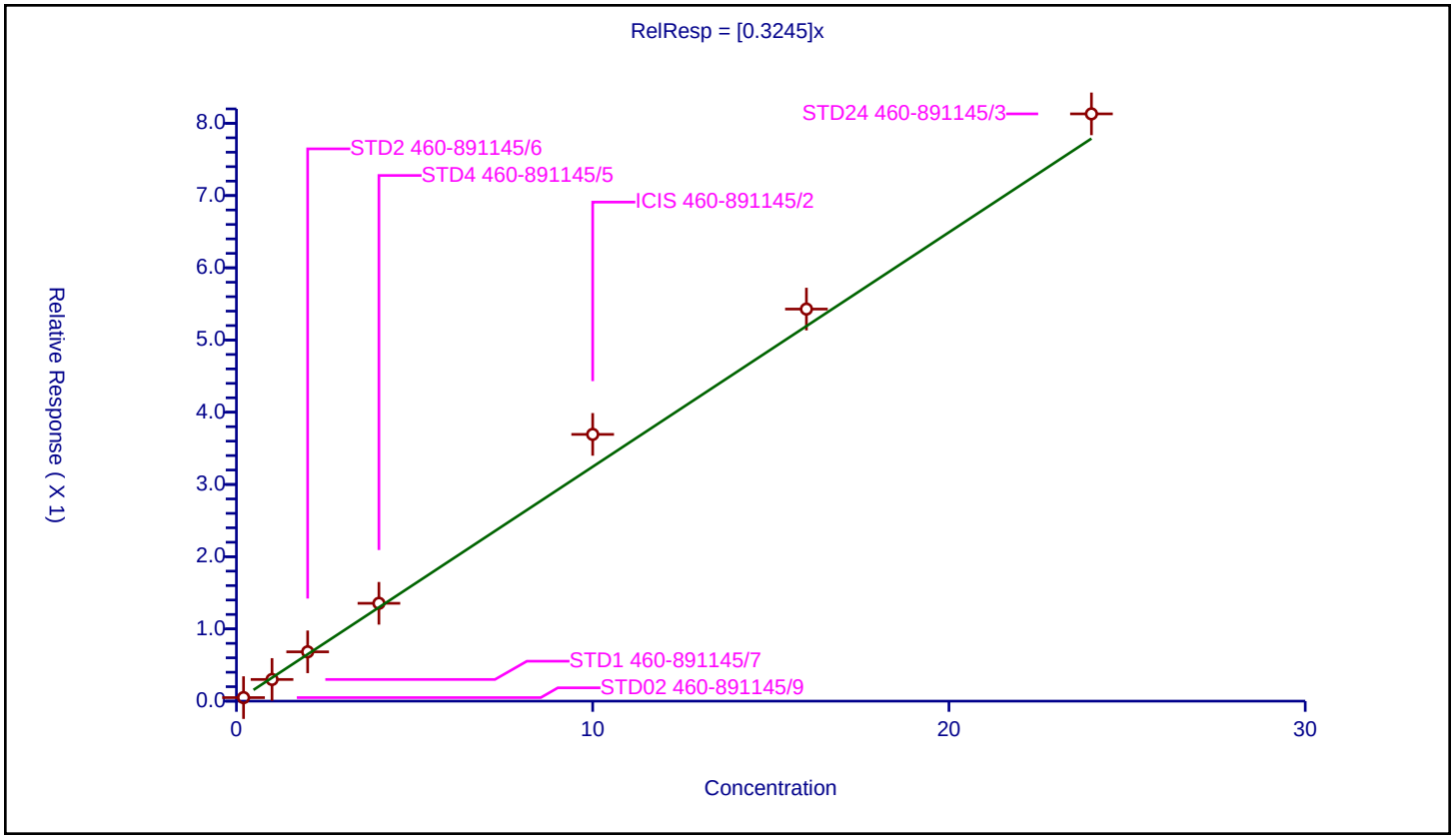
Curve Coefficients

Intercept:	0
Slope:	0.3245

Error Coefficients

Standard Error:	119000
Relative Standard Error:	12.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.04889	8.0	268031.0	0.244449	Y
2	STD1 460-891145/7	1.0	0.29987	8.0	230340.0	0.29987	Y
3	STD2 460-891145/6	2.0	0.68277	8.0	236425.0	0.341385	Y
4	STD4 460-891145/5	4.0	1.354705	8.0	227899.0	0.338676	Y
5	ICIS 460-891145/2	10.0	3.693525	8.0	184563.0	0.369352	Y
6	STD16 460-891145/4	16.0	5.42855	8.0	227607.0	0.339284	Y
7	STD24 460-891145/3	24.0	8.131035	8.0	223085.0	0.338793	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

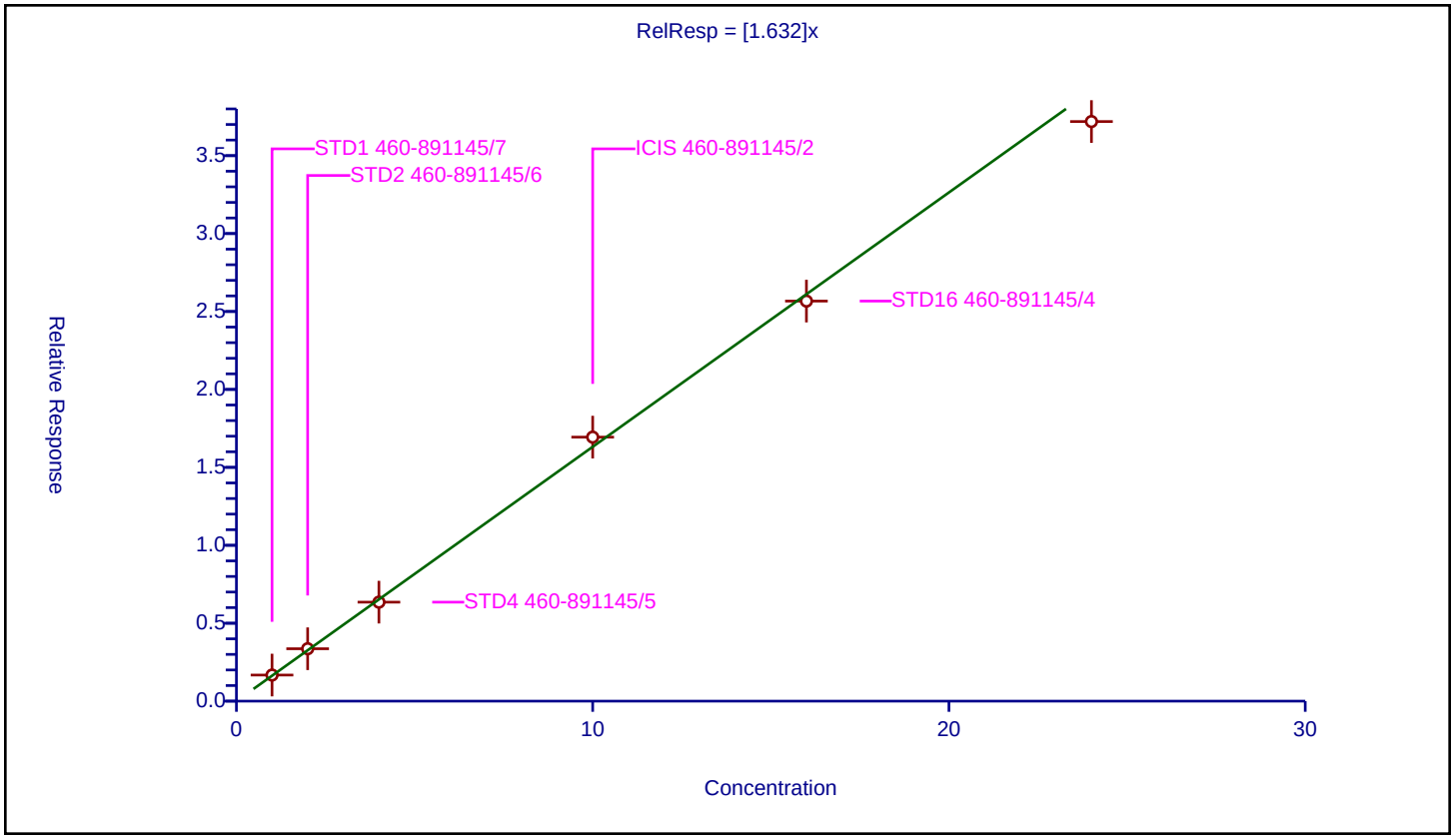
Curve Coefficients

Intercept:	0
Slope:	1.632

Error Coefficients

Standard Error:	601000
Relative Standard Error:	3.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.674151	8.0	230340.0	1.674151	Y
2	STD2 460-891145/6	2.0	3.362893	8.0	236425.0	1.681447	Y
3	STD4 460-891145/5	4.0	6.351129	8.0	227899.0	1.587782	Y
4	ICIS 460-891145/2	10.0	16.939993	8.0	184563.0	1.693999	Y
5	STD16 460-891145/4	16.0	25.668877	8.0	227607.0	1.604305	Y
6	STD24 460-891145/3	24.0	37.188838	8.0	223085.0	1.549535	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

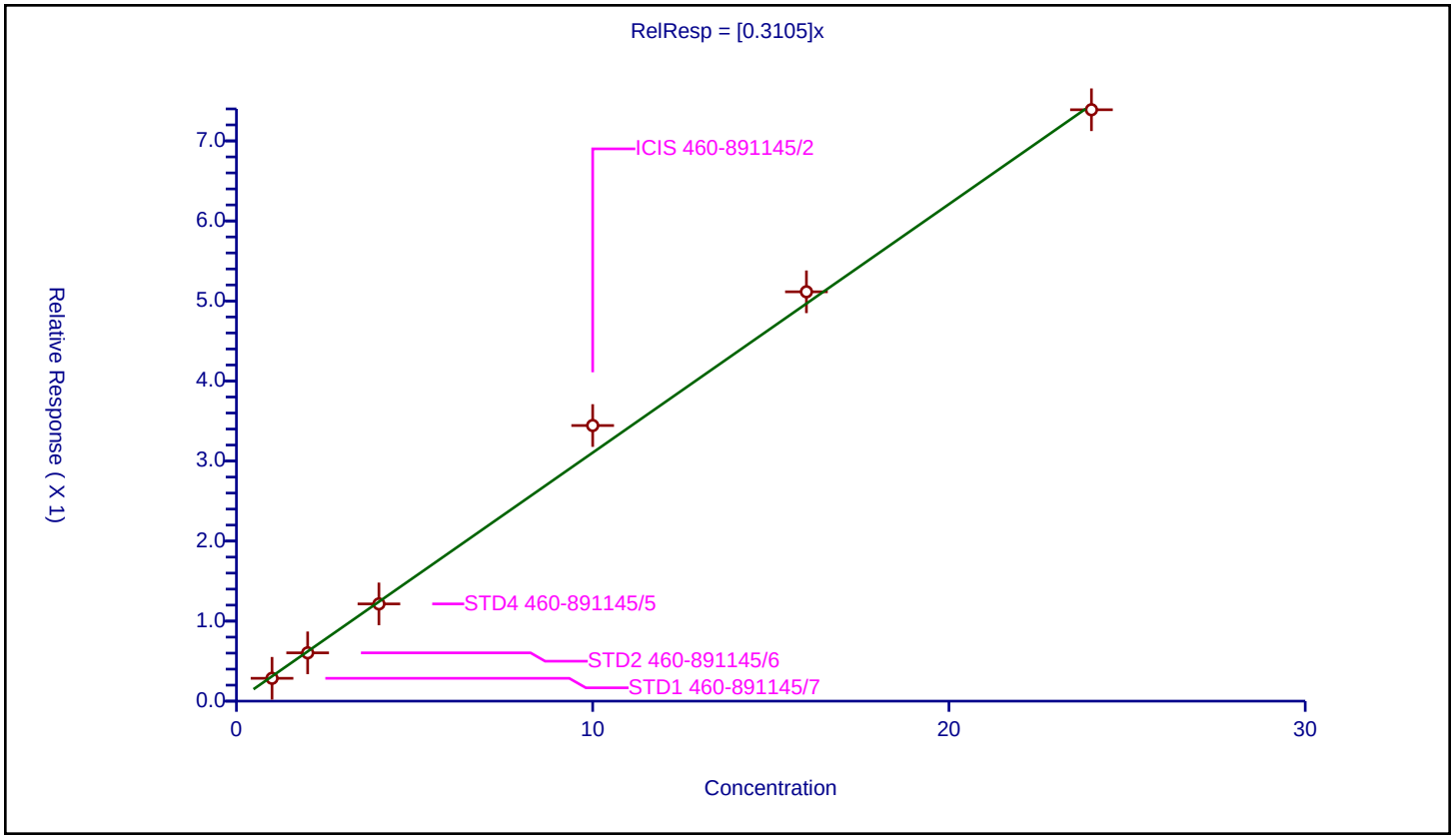
Curve Coefficients

Intercept:	0
Slope:	0.3105

Error Coefficients

Standard Error:	120000
Relative Standard Error:	6.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.285456	8.0	230340.0	0.285456	Y
2	STD2 460-891145/6	2.0	0.603388	8.0	236425.0	0.301694	Y
3	STD4 460-891145/5	4.0	1.214749	8.0	227899.0	0.303687	Y
4	ICIS 460-891145/2	10.0	3.443767	8.0	184563.0	0.344377	Y
5	STD16 460-891145/4	16.0	5.114781	8.0	227607.0	0.319674	Y
6	STD24 460-891145/3	24.0	7.389363	8.0	223085.0	0.30789	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

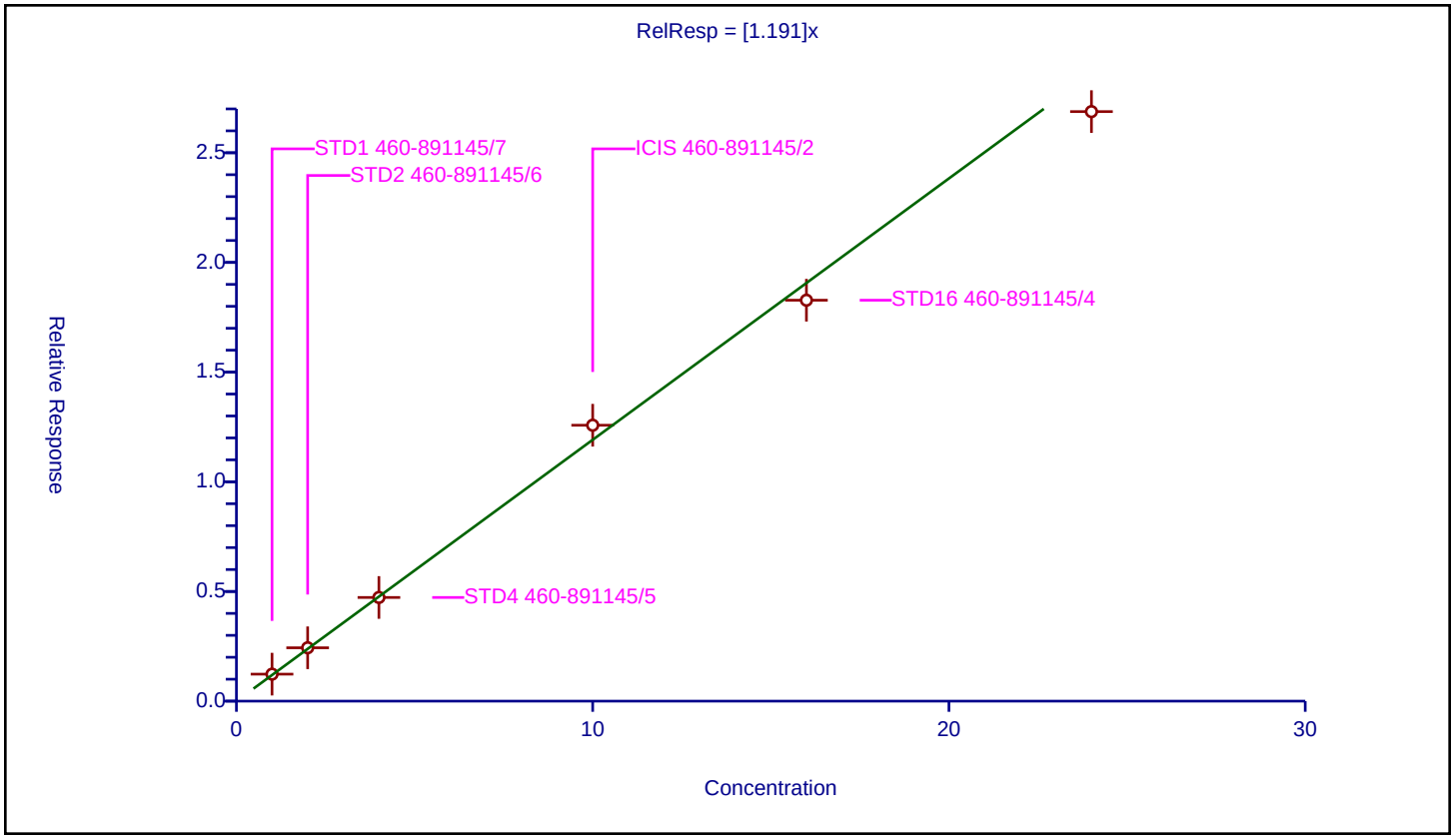
Curve Coefficients

Intercept:	0
Slope:	1.191

Error Coefficients

Standard Error:	434000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.23032	8.0	230340.0	1.23032	Y
2	STD2 460-891145/6	2.0	2.433245	8.0	236425.0	1.216623	Y
3	STD4 460-891145/5	4.0	4.72648	8.0	227899.0	1.18162	Y
4	ICIS 460-891145/2	10.0	12.578209	8.0	184563.0	1.257821	Y
5	STD16 460-891145/4	16.0	18.277821	8.0	227607.0	1.142364	Y
6	STD24 460-891145/3	24.0	26.876608	8.0	223085.0	1.119859	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

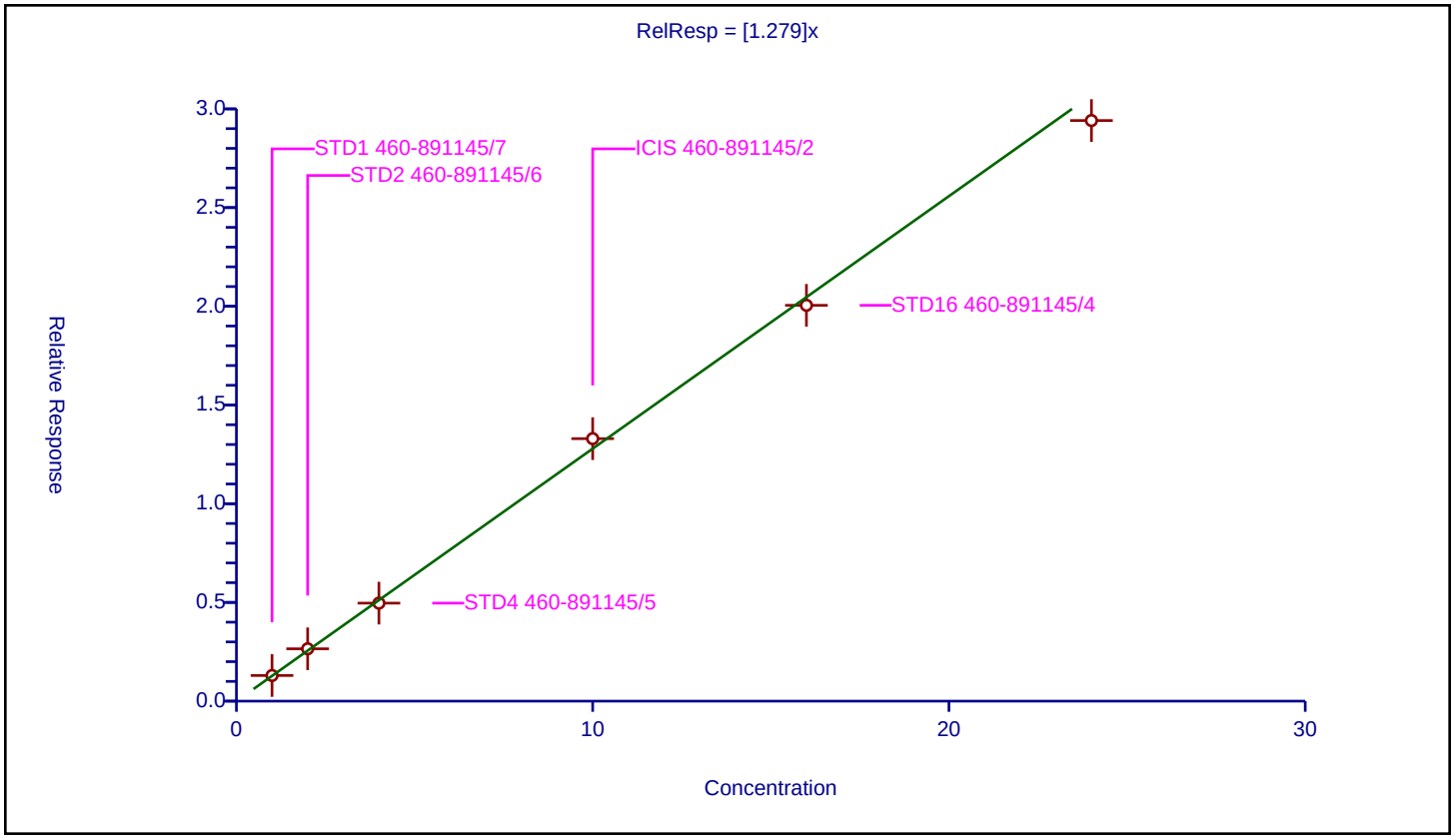
Curve Coefficients

Intercept:	0
Slope:	1.279

Error Coefficients

Standard Error:	473000
Relative Standard Error:	3.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.298602	8.0	230340.0	1.298602	Y
2	STD2 460-891145/6	2.0	2.652207	8.0	236425.0	1.326103	Y
3	STD4 460-891145/5	4.0	4.963988	8.0	227899.0	1.240997	Y
4	ICIS 460-891145/2	10.0	13.296099	8.0	184563.0	1.32961	Y
5	STD16 460-891145/4	16.0	20.05028	8.0	227607.0	1.253142	Y
6	STD24 460-891145/3	24.0	29.410135	8.0	223085.0	1.225422	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

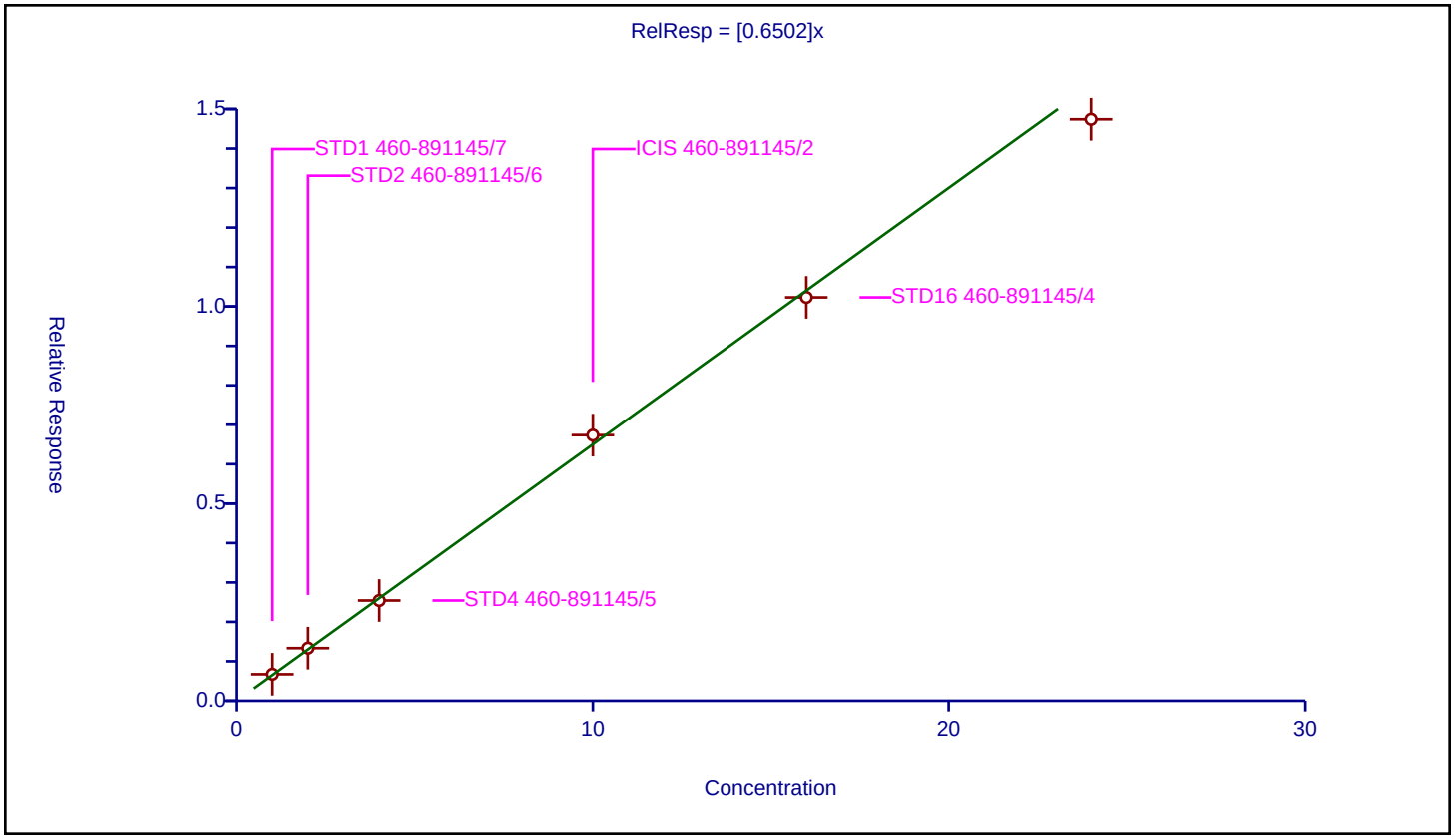
Curve Coefficients

Intercept:	0
Slope:	0.6502

Error Coefficients

Standard Error:	239000
Relative Standard Error:	3.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.671286	8.0	230340.0	0.671286	Y
2	STD2 460-891145/6	2.0	1.334004	8.0	236425.0	0.667002	Y
3	STD4 460-891145/5	4.0	2.541793	8.0	227899.0	0.635448	Y
4	ICIS 460-891145/2	10.0	6.736561	8.0	184563.0	0.673656	Y
5	STD16 460-891145/4	16.0	10.230125	8.0	227607.0	0.639383	Y
6	STD24 460-891145/3	24.0	14.741108	8.0	223085.0	0.614213	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

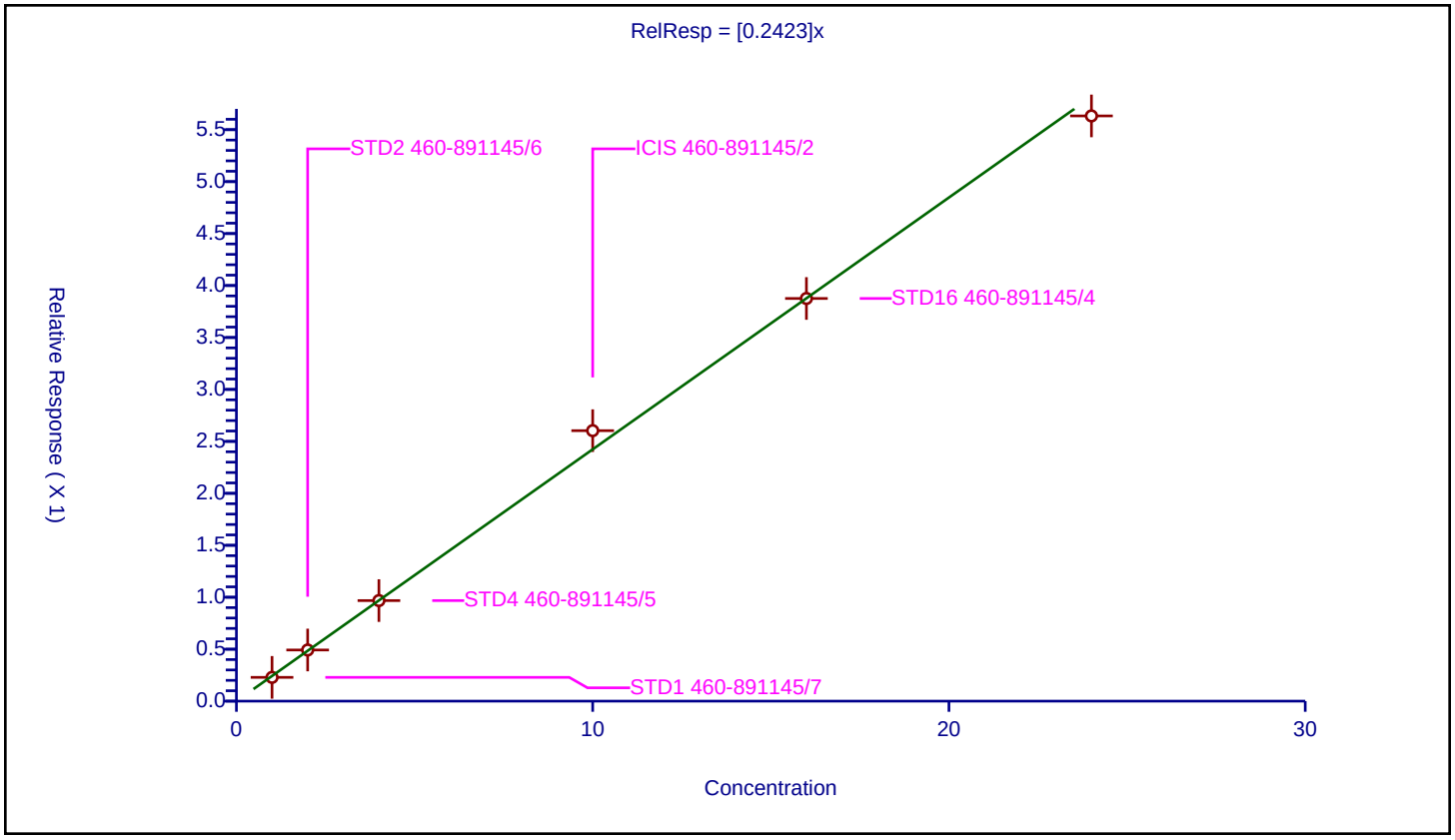
Curve Coefficients

Intercept:	0
Slope:	0.2423

Error Coefficients

Standard Error:	91000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.228705	8.0	230340.0	0.228705	Y
2	STD2 460-891145/6	2.0	0.492232	8.0	236425.0	0.246116	Y
3	STD4 460-891145/5	4.0	0.967902	8.0	227899.0	0.241976	Y
4	ICIS 460-891145/2	10.0	2.603252	8.0	184563.0	0.260325	Y
5	STD16 460-891145/4	16.0	3.875522	8.0	227607.0	0.24222	Y
6	STD24 460-891145/3	24.0	5.632293	8.0	223085.0	0.234679	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

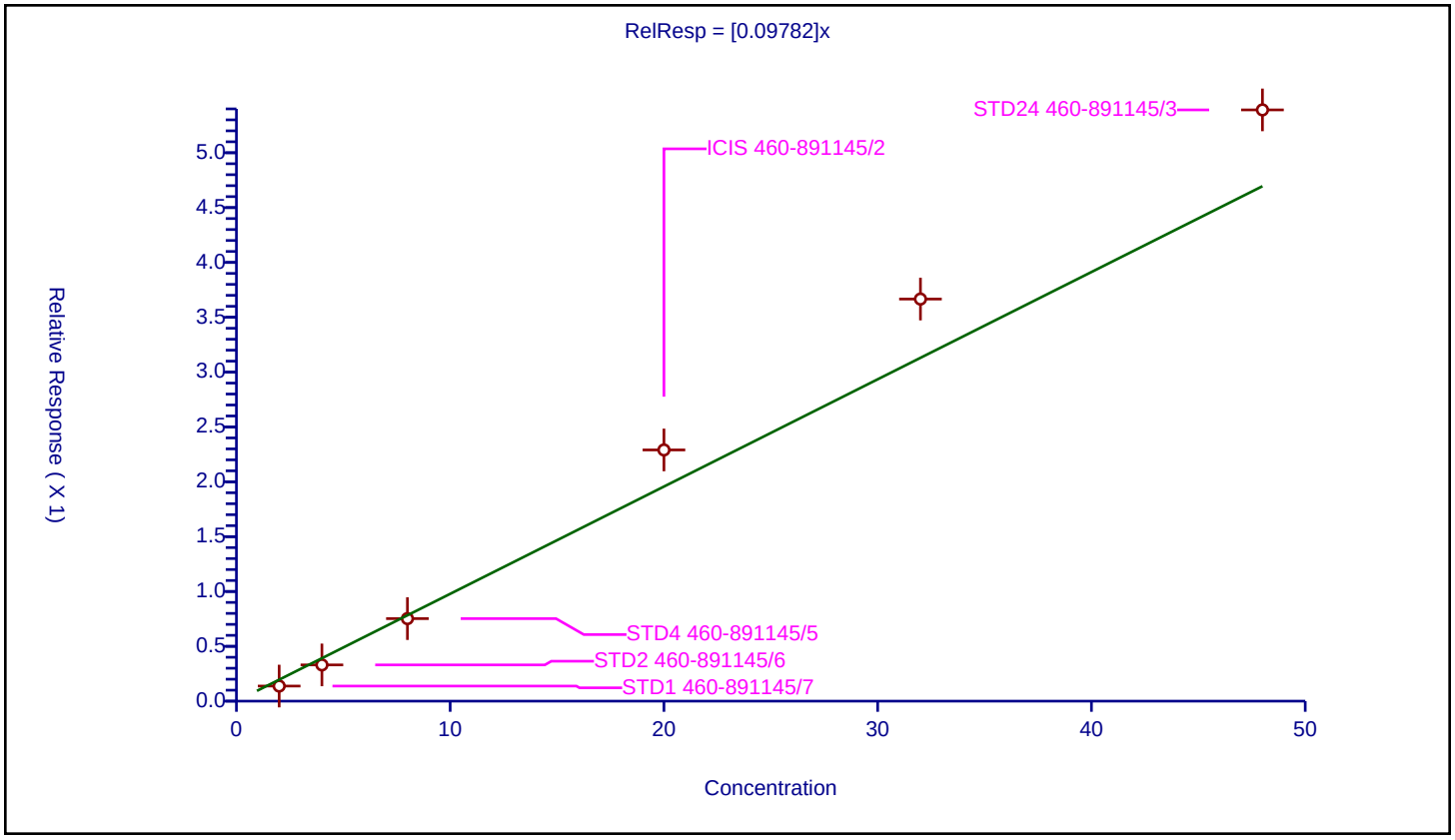
Curve Coefficients

Intercept:	0
Slope:	0.09782

Error Coefficients

Standard Error:	151000
Relative Standard Error:	19.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	2.0	0.137636	8.0	428029.0	0.068818	Y
2	STD2 460-891145/6	4.0	0.3305	8.0	438898.0	0.082625	Y
3	STD4 460-891145/5	8.0	0.752486	8.0	421079.0	0.094061	Y
4	ICIS 460-891145/2	20.0	2.290338	8.0	336876.0	0.114517	Y
5	STD16 460-891145/4	32.0	3.66601	8.0	397197.0	0.114563	Y
6	STD24 460-891145/3	48.0	5.390841	8.0	393595.0	0.112309	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

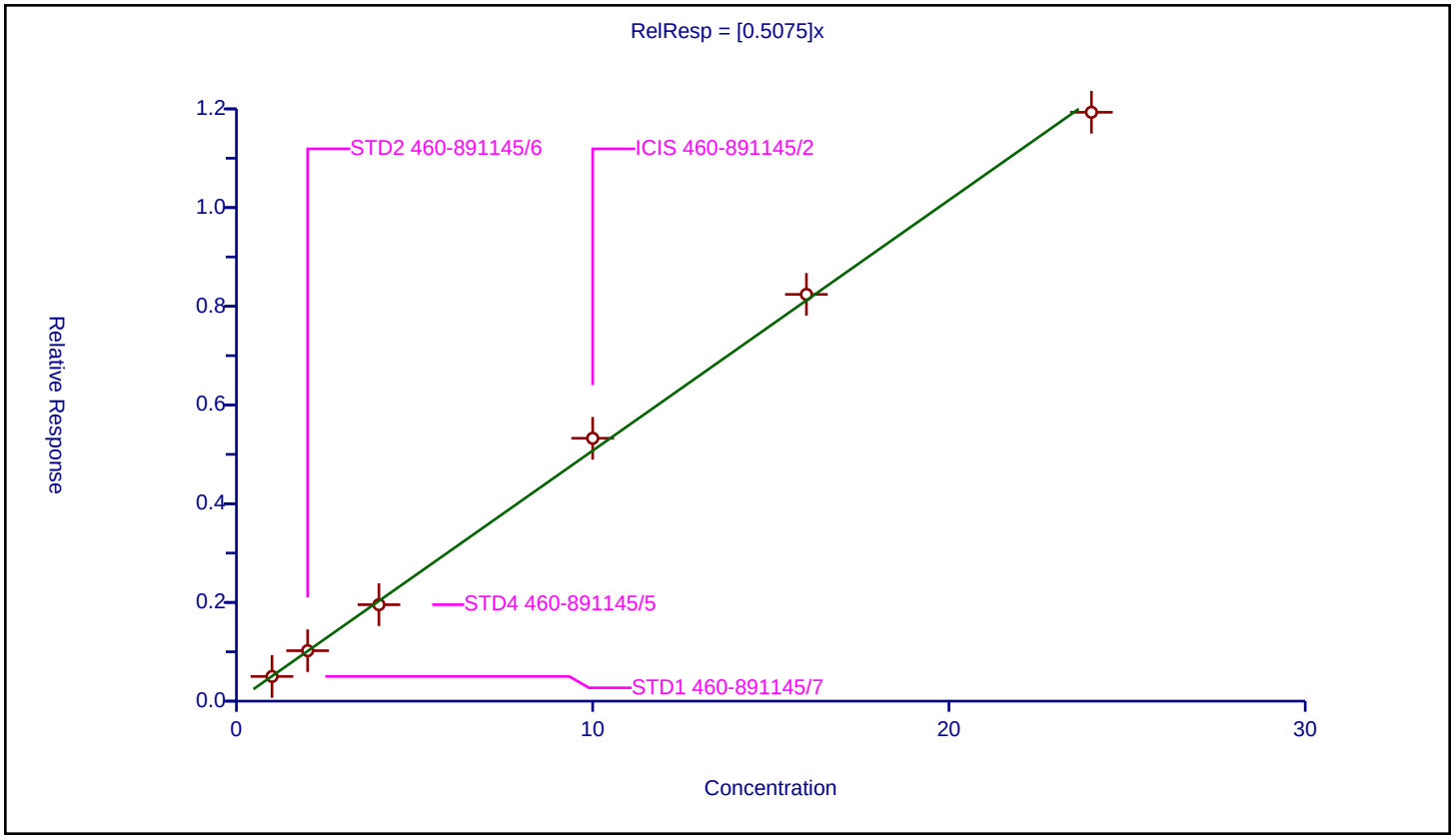
Curve Coefficients

Intercept:	0
Slope:	0.5075

Error Coefficients

Standard Error:	340000
Relative Standard Error:	3.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.50062	8.0	428029.0	0.50062	Y
2	STD2 460-891145/6	2.0	1.022488	8.0	438898.0	0.511244	Y
3	STD4 460-891145/5	4.0	1.954142	8.0	421079.0	0.488535	Y
4	ICIS 460-891145/2	10.0	5.326067	8.0	336876.0	0.532607	Y
5	STD16 460-891145/4	16.0	8.241331	8.0	397197.0	0.515083	Y
6	STD24 460-891145/3	24.0	11.931595	8.0	393595.0	0.49715	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

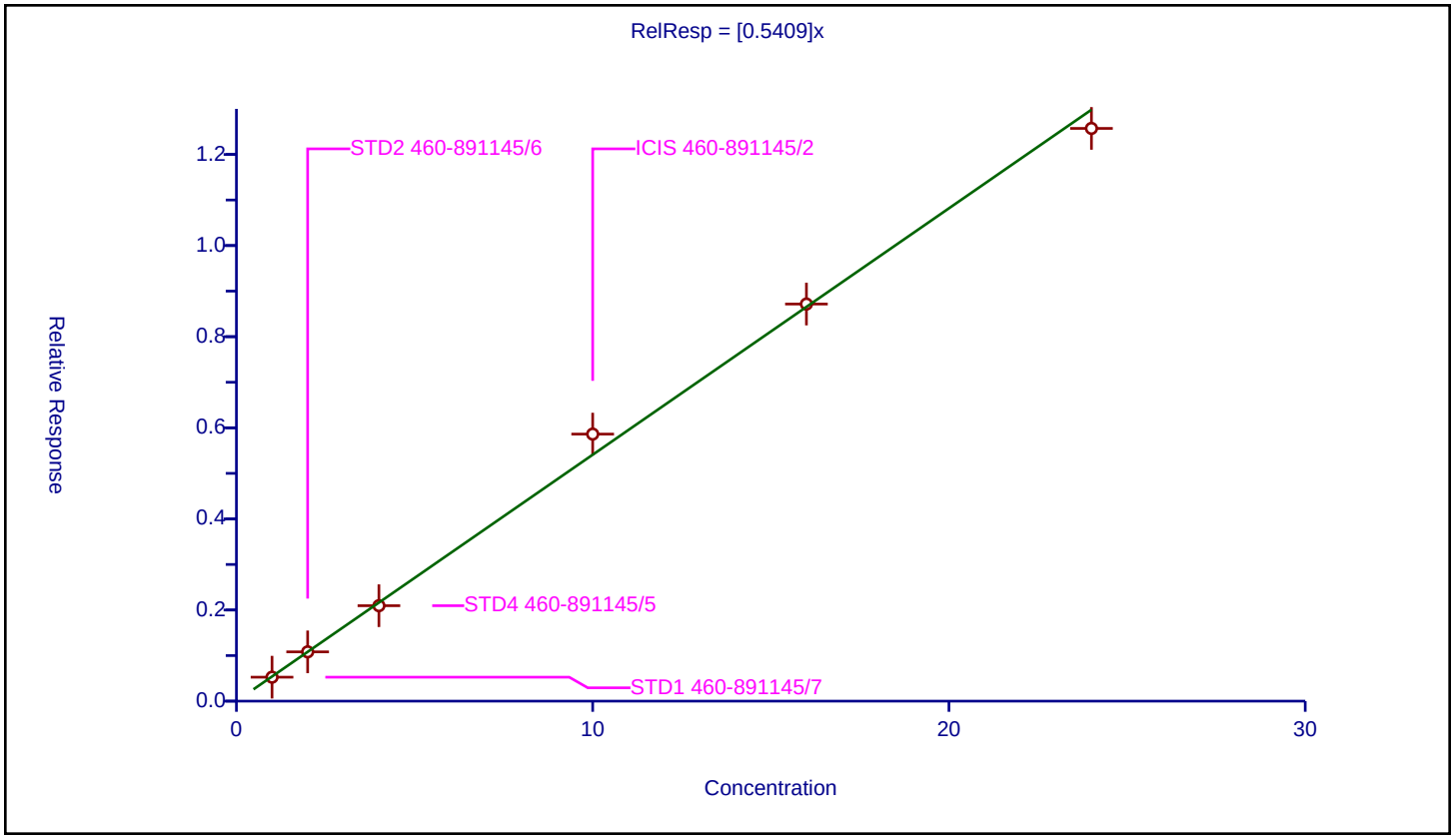
Curve Coefficients

Intercept:	0
Slope:	0.5409

Error Coefficients

Standard Error:	360000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.525834	8.0	428029.0	0.525834	Y
2	STD2 460-891145/6	2.0	1.082001	8.0	438898.0	0.541	Y
3	STD4 460-891145/5	4.0	2.094809	8.0	421079.0	0.523702	Y
4	ICIS 460-891145/2	10.0	5.861718	8.0	336876.0	0.586172	Y
5	STD16 460-891145/4	16.0	8.716702	8.0	397197.0	0.544794	Y
6	STD24 460-891145/3	24.0	12.571643	8.0	393595.0	0.523818	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

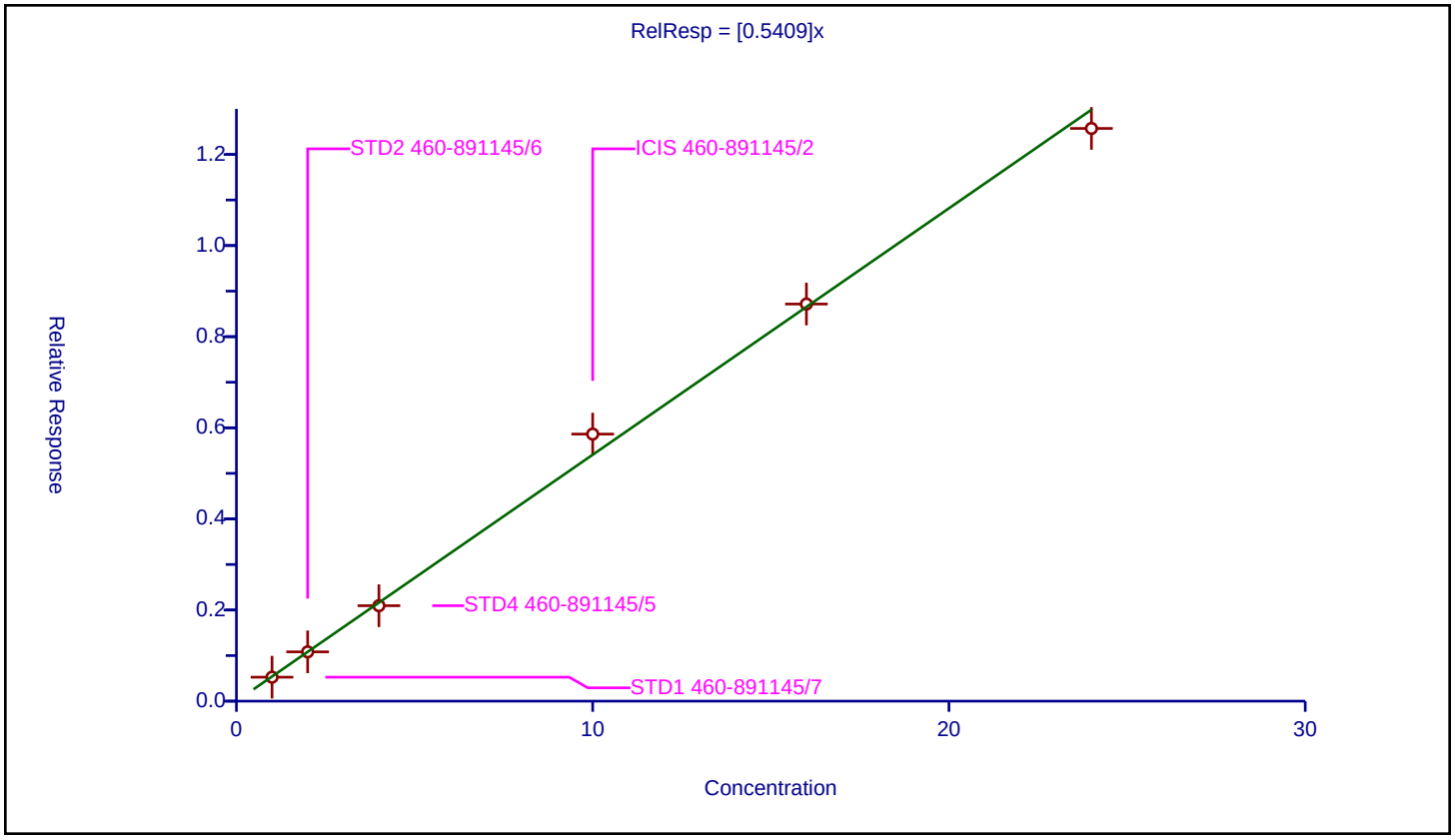
Curve Coefficients

Intercept:	0
Slope:	0.5409

Error Coefficients

Standard Error:	360000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.525834	8.0	428029.0	0.525834	Y
2	STD2 460-891145/6	2.0	1.082001	8.0	438898.0	0.541	Y
3	STD4 460-891145/5	4.0	2.094809	8.0	421079.0	0.523702	Y
4	ICIS 460-891145/2	10.0	5.861718	8.0	336876.0	0.586172	Y
5	STD16 460-891145/4	16.0	8.716702	8.0	397197.0	0.544794	Y
6	STD24 460-891145/3	24.0	12.570627	8.0	393595.0	0.523776	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

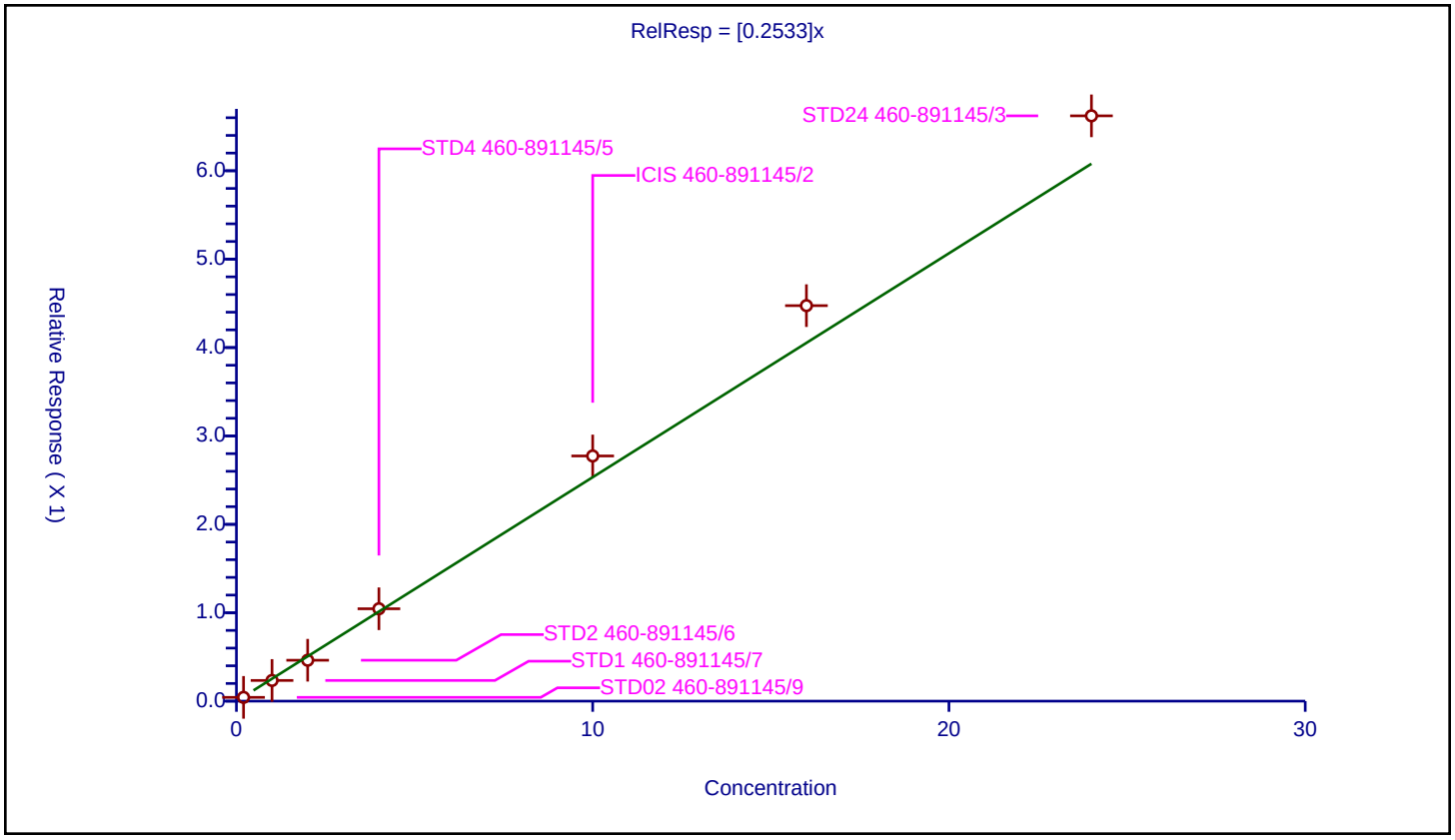
Curve Coefficients

Intercept:	0
Slope:	0.2533

Error Coefficients

Standard Error:	96200
Relative Standard Error:	10.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.042741	8.0	268031.0	0.213707	Y
2	STD1 460-891145/7	1.0	0.23395	8.0	230340.0	0.23395	Y
3	STD2 460-891145/6	2.0	0.462591	8.0	236425.0	0.231295	Y
4	STD4 460-891145/5	4.0	1.045165	8.0	227899.0	0.261291	Y
5	ICIS 460-891145/2	10.0	2.77373	8.0	184563.0	0.277373	Y
6	STD16 460-891145/4	16.0	4.474344	8.0	227607.0	0.279646	Y
7	STD24 460-891145/3	24.0	6.62144	8.0	223085.0	0.275893	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

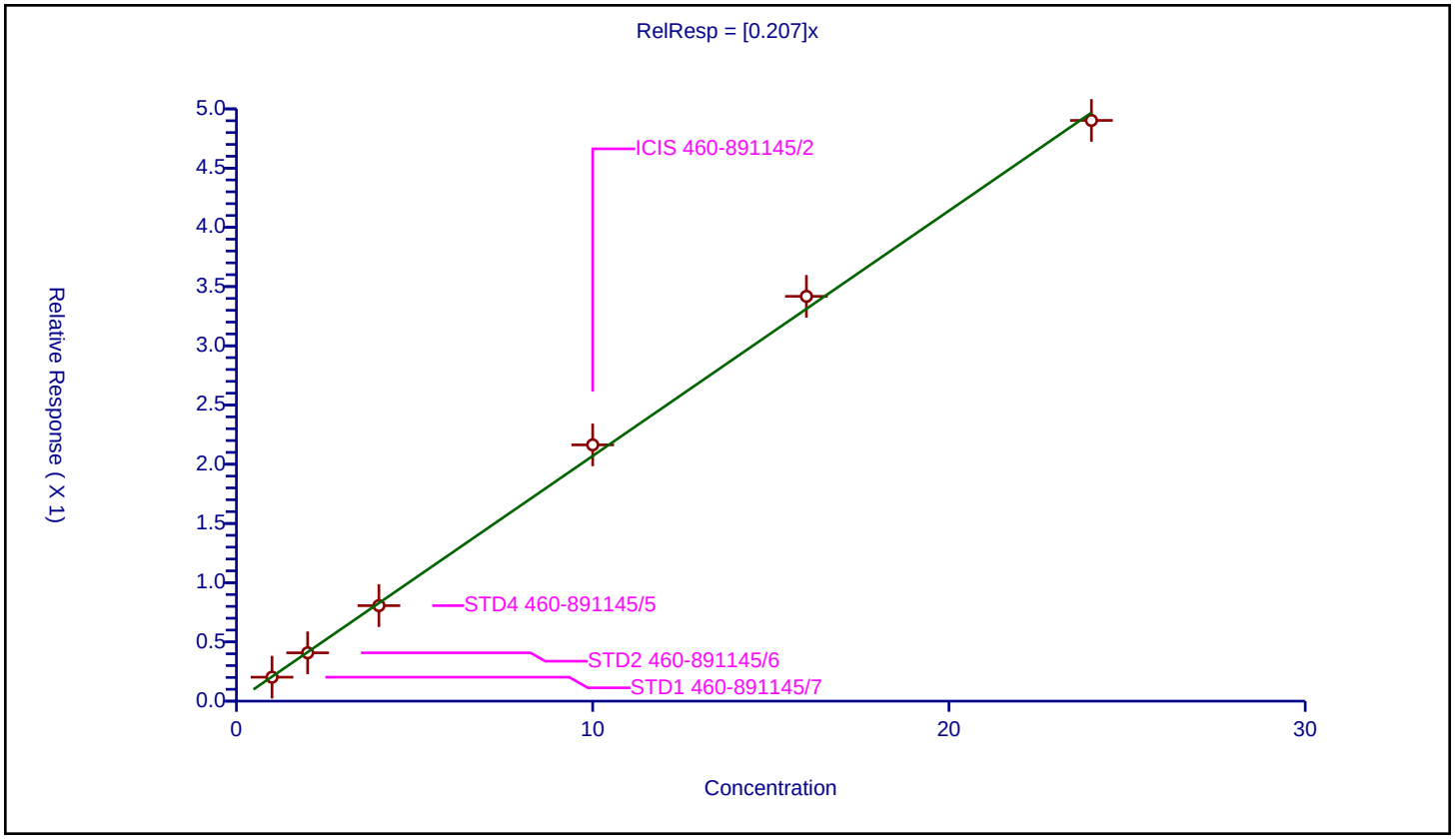
Curve Coefficients

Intercept:	0
Slope:	0.207

Error Coefficients

Standard Error:	140000
Relative Standard Error:	3.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.202229	8.0	428029.0	0.202229	Y
2	STD2 460-891145/6	2.0	0.408004	8.0	438898.0	0.204002	Y
3	STD4 460-891145/5	4.0	0.806234	8.0	421079.0	0.201558	Y
4	ICIS 460-891145/2	10.0	2.163336	8.0	336876.0	0.216334	Y
5	STD16 460-891145/4	16.0	3.417387	8.0	397197.0	0.213587	Y
6	STD24 460-891145/3	24.0	4.902562	8.0	393595.0	0.204273	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

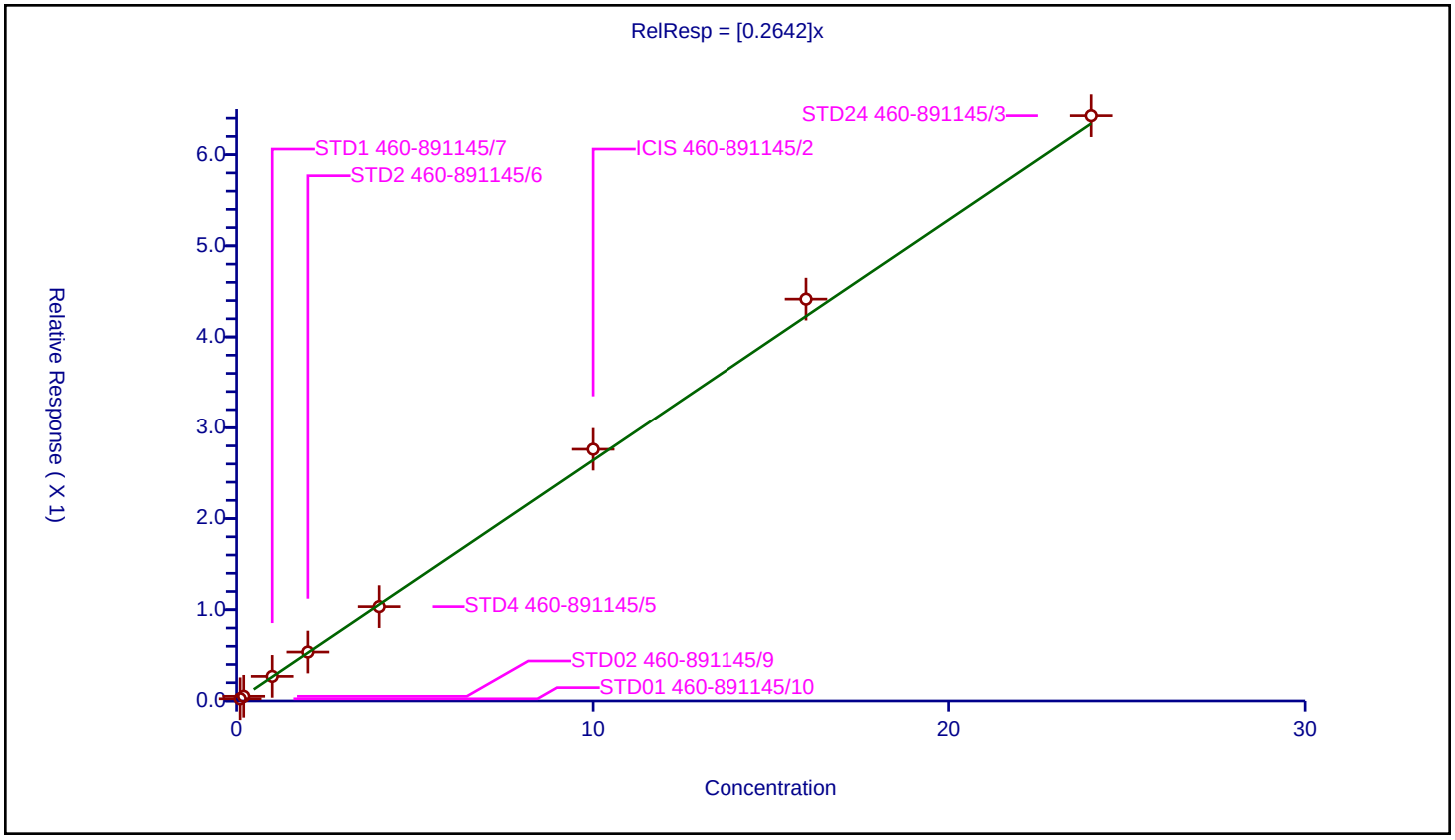
Curve Coefficients

Intercept:	0
Slope:	0.2642

Error Coefficients

Standard Error:	154000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.024095	8.0	431300.0	0.240946	Y
2	STD02 460-891145/9	0.2	0.051277	8.0	498627.0	0.256384	Y
3	STD1 460-891145/7	1.0	0.269683	8.0	428029.0	0.269683	Y
4	STD2 460-891145/6	2.0	0.536544	8.0	438898.0	0.268272	Y
5	STD4 460-891145/5	4.0	1.034257	8.0	421079.0	0.258564	Y
6	ICIS 460-891145/2	10.0	2.762393	8.0	336876.0	0.276239	Y
7	STD16 460-891145/4	16.0	4.415703	8.0	397197.0	0.275981	Y
8	STD24 460-891145/3	24.0	6.427358	8.0	393595.0	0.267807	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

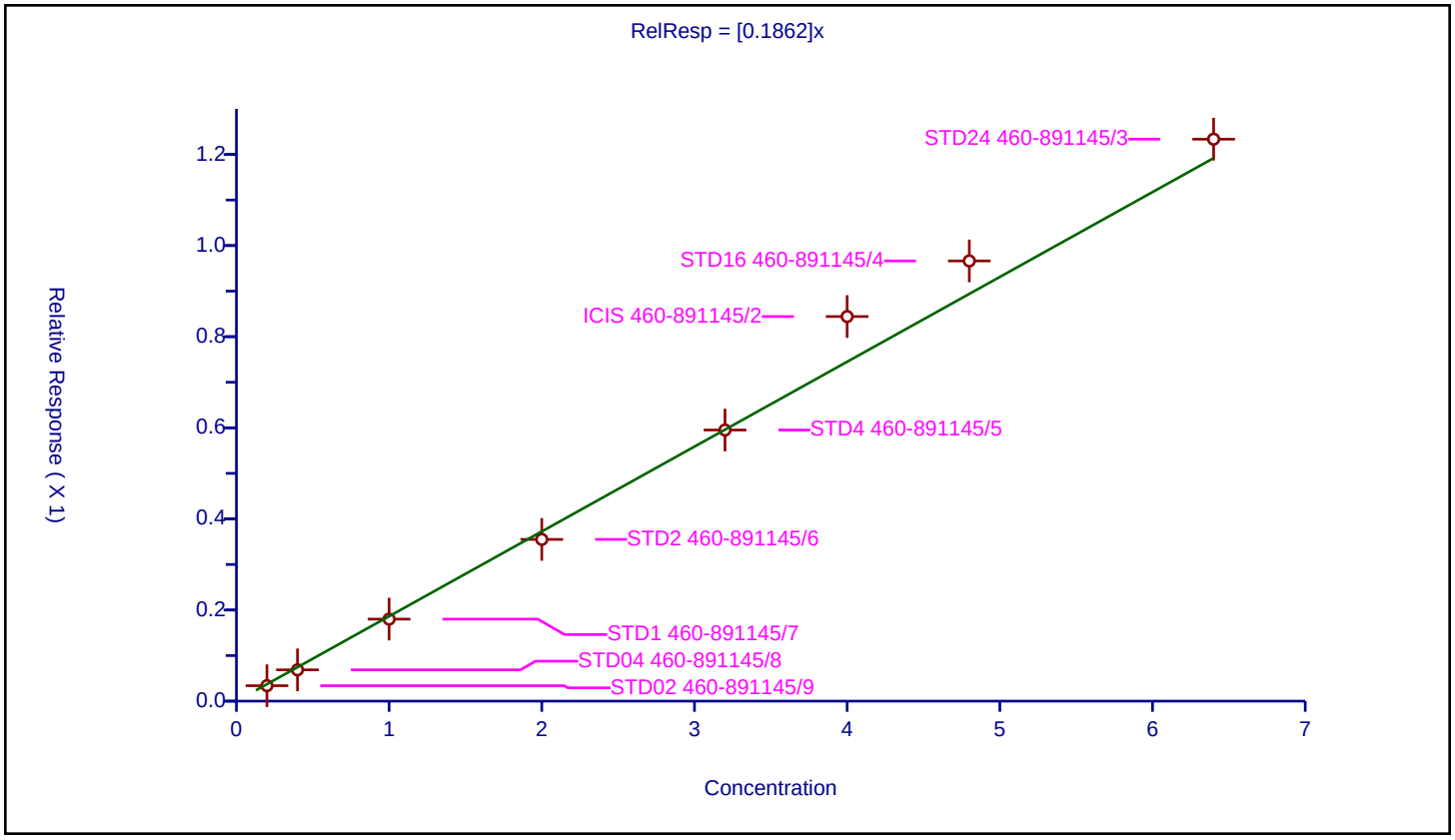
Curve Coefficients

Intercept:	0
Slope:	0.1862

Error Coefficients

Standard Error:	35300
Relative Standard Error:	7.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.033901	8.0	498627.0	0.169505	Y
2	STD04 460-891145/8	0.4	0.068685	8.0	467644.0	0.171712	Y
3	STD1 460-891145/7	1.0	0.180044	8.0	428029.0	0.180044	Y
4	STD2 460-891145/6	2.0	0.355035	8.0	438898.0	0.177517	Y
5	STD4 460-891145/5	3.2	0.595119	8.0	421079.0	0.185975	Y
6	ICIS 460-891145/2	4.0	0.844228	8.0	336876.0	0.211057	Y
7	STD16 460-891145/4	4.8	0.966271	8.0	397197.0	0.201306	Y
8	STD24 460-891145/3	6.4	1.233512	8.0	393595.0	0.192736	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

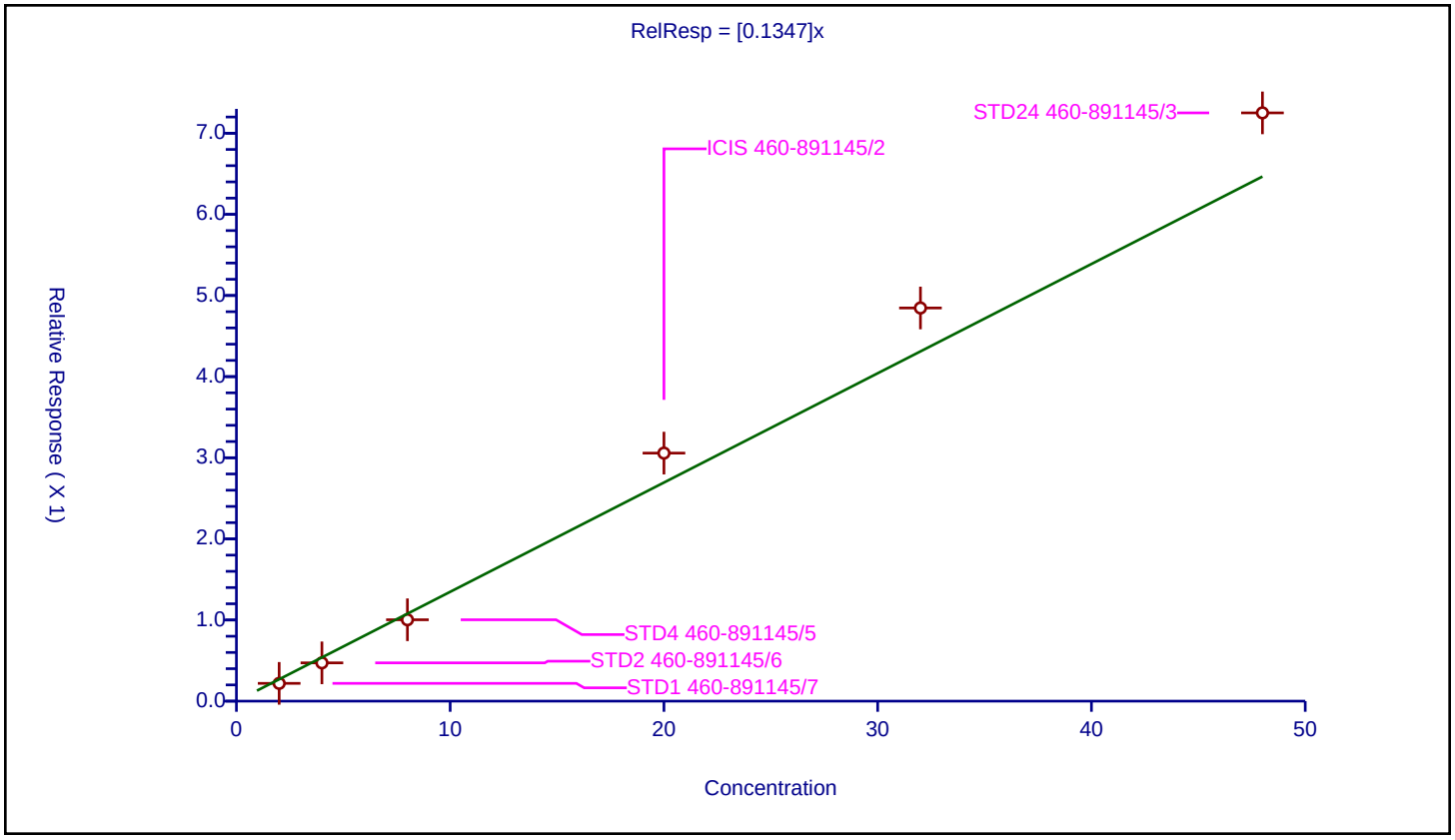
Curve Coefficients

Intercept:	0
Slope:	0.1347

Error Coefficients

Standard Error:	203000
Relative Standard Error:	14.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	2.0	0.219069	8.0	428029.0	0.109535	Y
2	STD2 460-891145/6	4.0	0.471909	8.0	438898.0	0.117977	Y
3	STD4 460-891145/5	8.0	1.003023	8.0	421079.0	0.125378	Y
4	ICIS 460-891145/2	20.0	3.057315	8.0	336876.0	0.152866	Y
5	STD16 460-891145/4	32.0	4.845998	8.0	397197.0	0.151437	Y
6	STD24 460-891145/3	48.0	7.250885	8.0	393595.0	0.15106	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

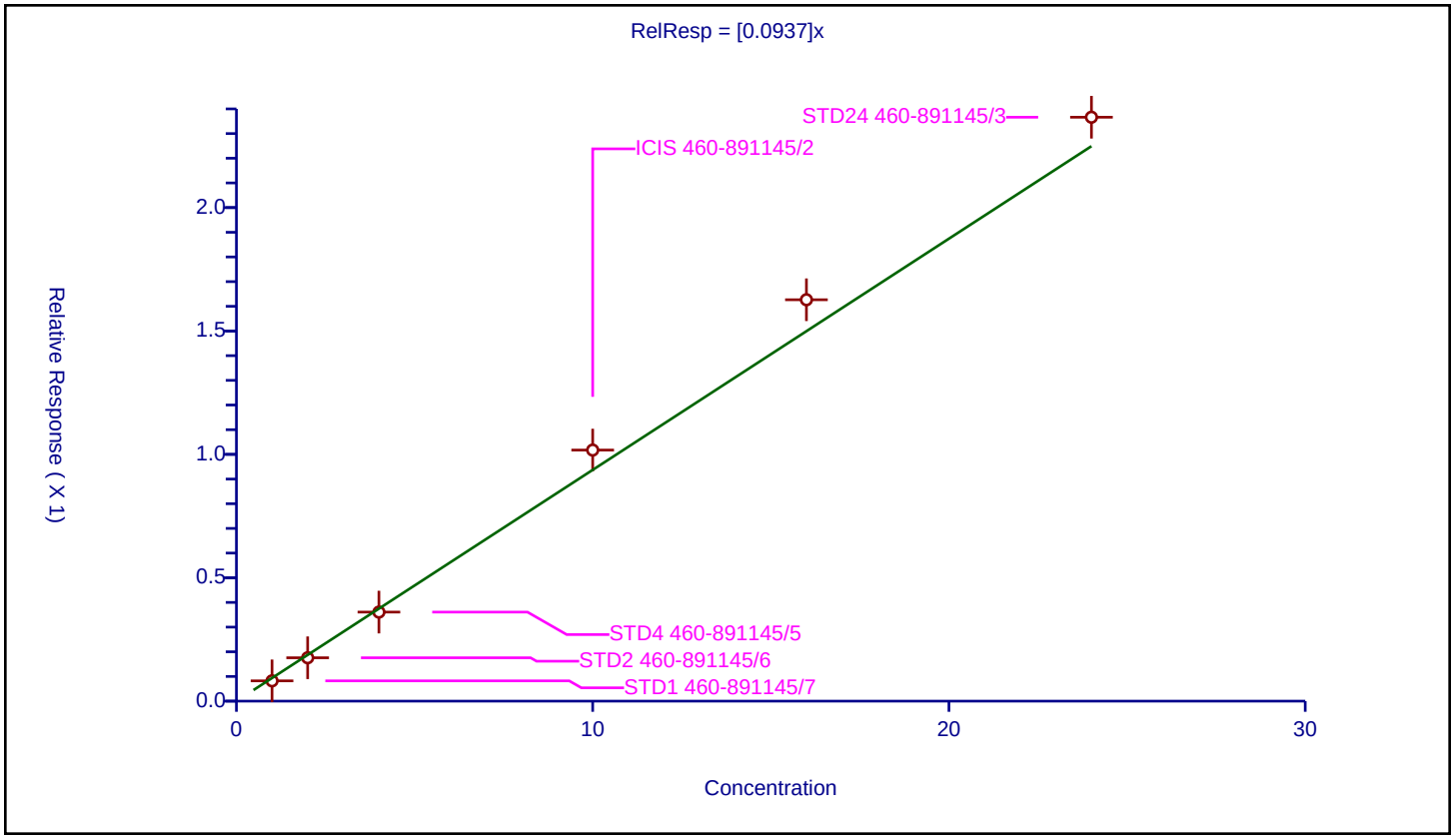
Curve Coefficients

Intercept:	0
Slope:	0.0937

Error Coefficients

Standard Error:	66900
Relative Standard Error:	8.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.082163	8.0	428029.0	0.082163	Y
2	STD2 460-891145/6	2.0	0.175713	8.0	438898.0	0.087856	Y
3	STD4 460-891145/5	4.0	0.360844	8.0	421079.0	0.090211	Y
4	ICIS 460-891145/2	10.0	1.017371	8.0	336876.0	0.101737	Y
5	STD16 460-891145/4	16.0	1.626538	8.0	397197.0	0.101659	Y
6	STD24 460-891145/3	24.0	2.36625	8.0	393595.0	0.098594	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

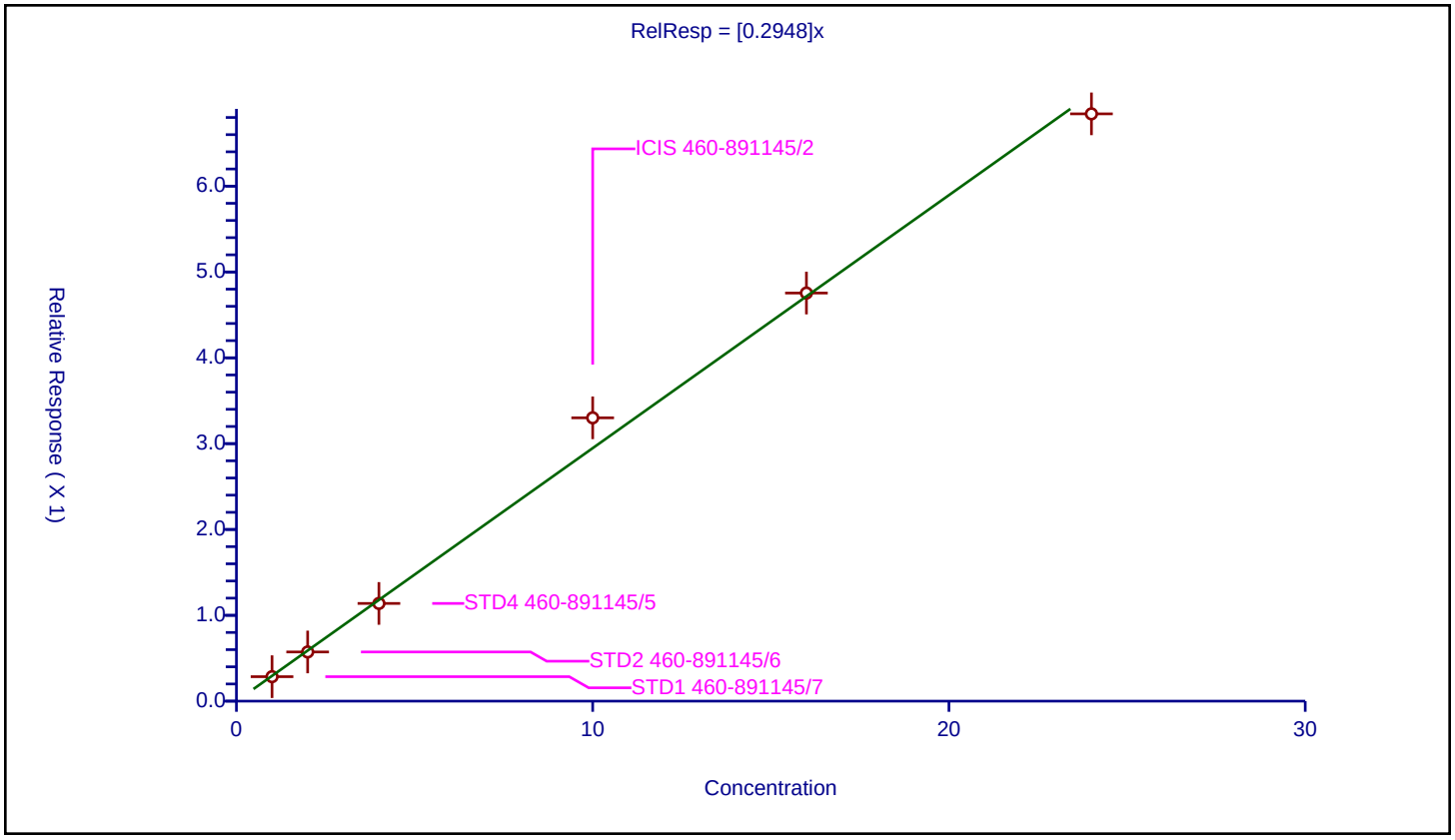
Curve Coefficients

Intercept:	0
Slope:	0.2948

Error Coefficients

Standard Error:	197000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.285121	8.0	428029.0	0.285121	Y
2	STD2 460-891145/6	2.0	0.572981	8.0	438898.0	0.28649	Y
3	STD4 460-891145/5	4.0	1.138219	8.0	421079.0	0.284555	Y
4	ICIS 460-891145/2	10.0	3.300894	8.0	336876.0	0.330089	Y
5	STD16 460-891145/4	16.0	4.754618	8.0	397197.0	0.297164	Y
6	STD24 460-891145/3	24.0	6.842384	8.0	393595.0	0.285099	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

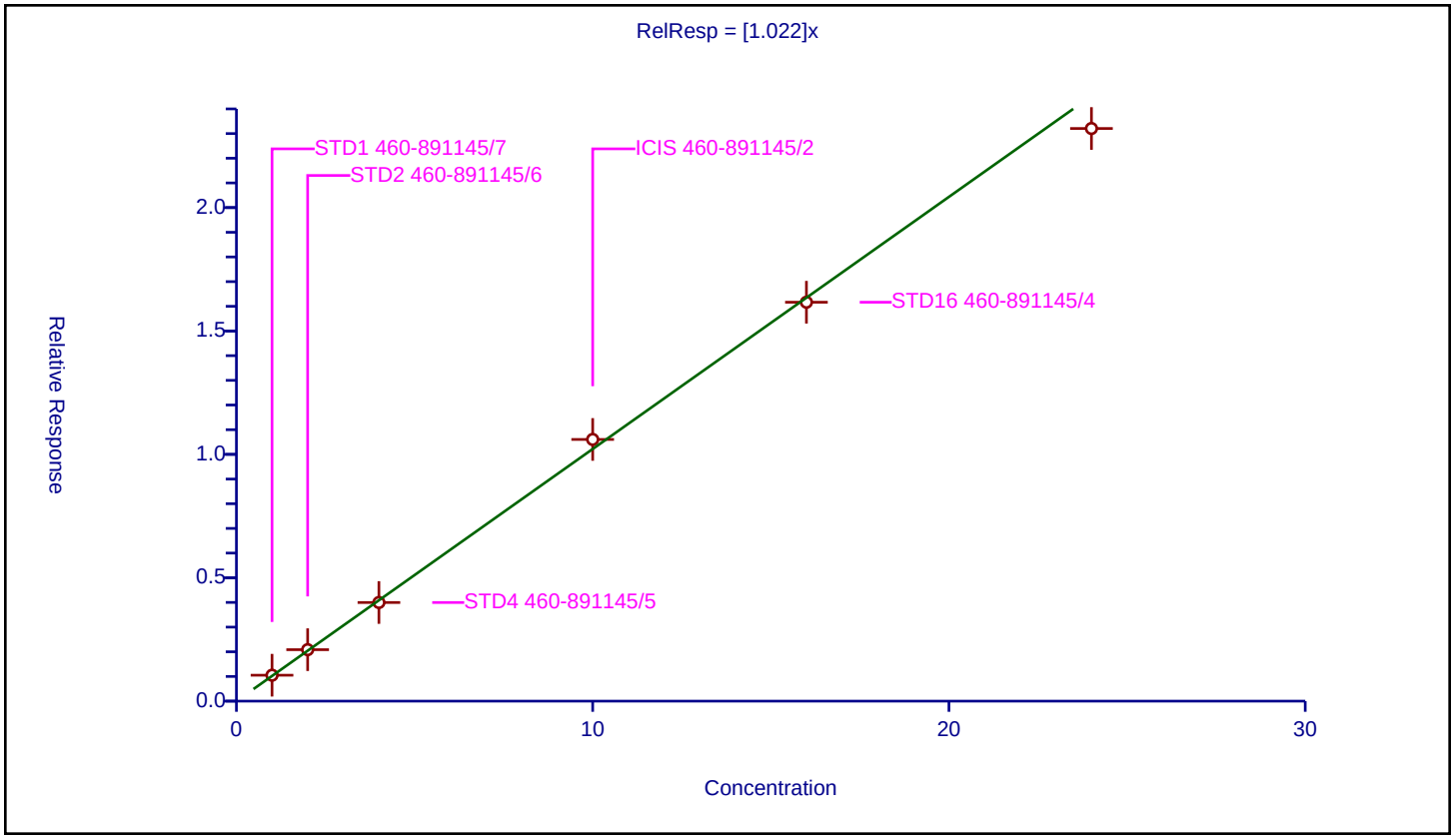
Curve Coefficients

Intercept:	0
Slope:	1.022

Error Coefficients

Standard Error:	664000
Relative Standard Error:	3.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.050676	8.0	428029.0	1.050676	Y
2	STD2 460-891145/6	2.0	2.085551	8.0	438898.0	1.042775	Y
3	STD4 460-891145/5	4.0	3.996856	8.0	421079.0	0.999214	Y
4	ICIS 460-891145/2	10.0	10.605065	8.0	336876.0	1.060507	Y
5	STD16 460-891145/4	16.0	16.165822	8.0	397197.0	1.010364	Y
6	STD24 460-891145/3	24.0	23.205437	8.0	393595.0	0.966893	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

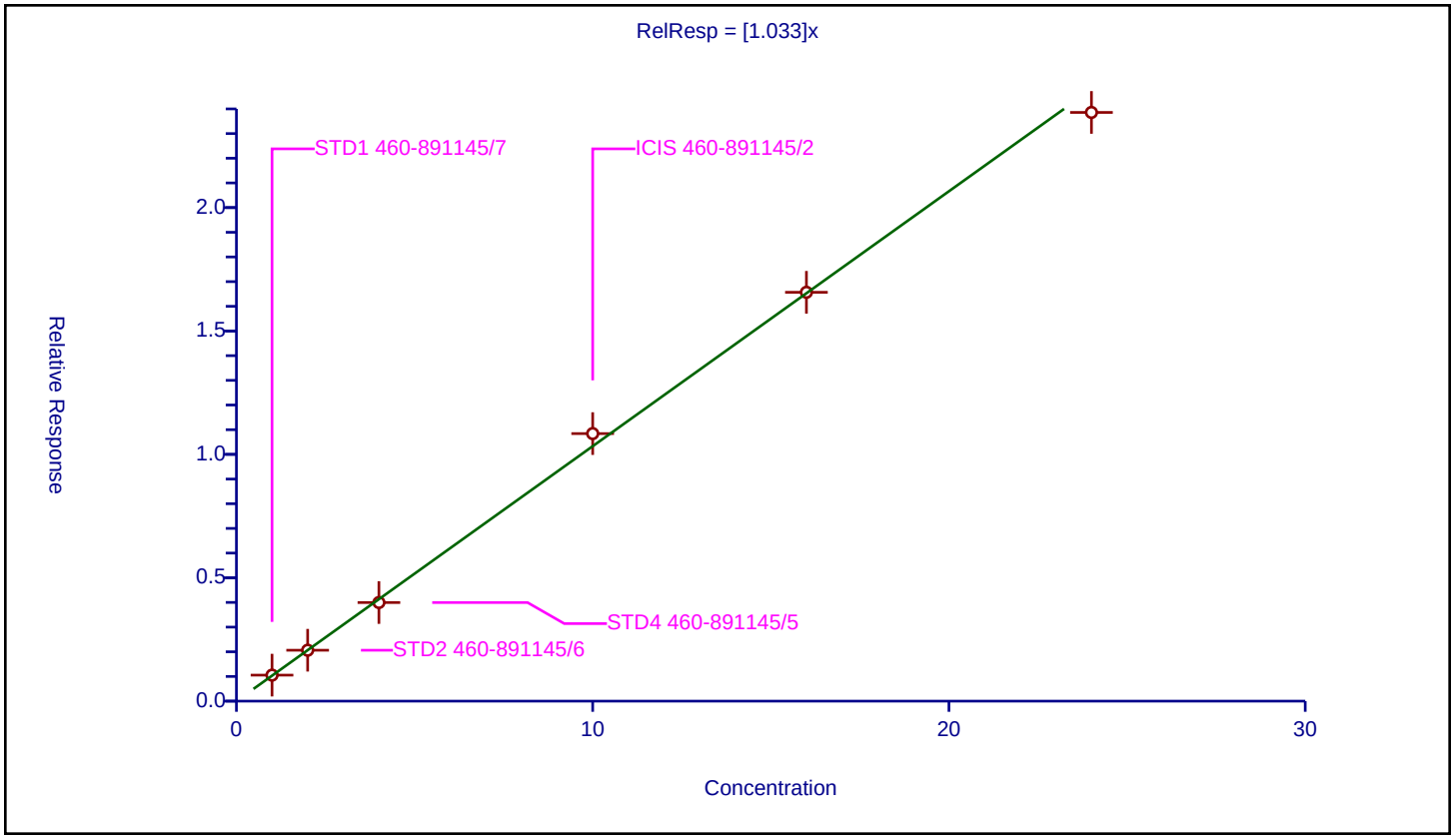
Curve Coefficients

Intercept:	0
Slope:	1.033

Error Coefficients

Standard Error:	682000
Relative Standard Error:	3.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.054115	8.0	428029.0	1.054115	Y
2	STD2 460-891145/6	2.0	2.06304	8.0	438898.0	1.03152	Y
3	STD4 460-891145/5	4.0	3.996248	8.0	421079.0	0.999062	Y
4	ICIS 460-891145/2	10.0	10.842518	8.0	336876.0	1.084252	Y
5	STD16 460-891145/4	16.0	16.568202	8.0	397197.0	1.035513	Y
6	STD24 460-891145/3	24.0	23.856075	8.0	393595.0	0.994003	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

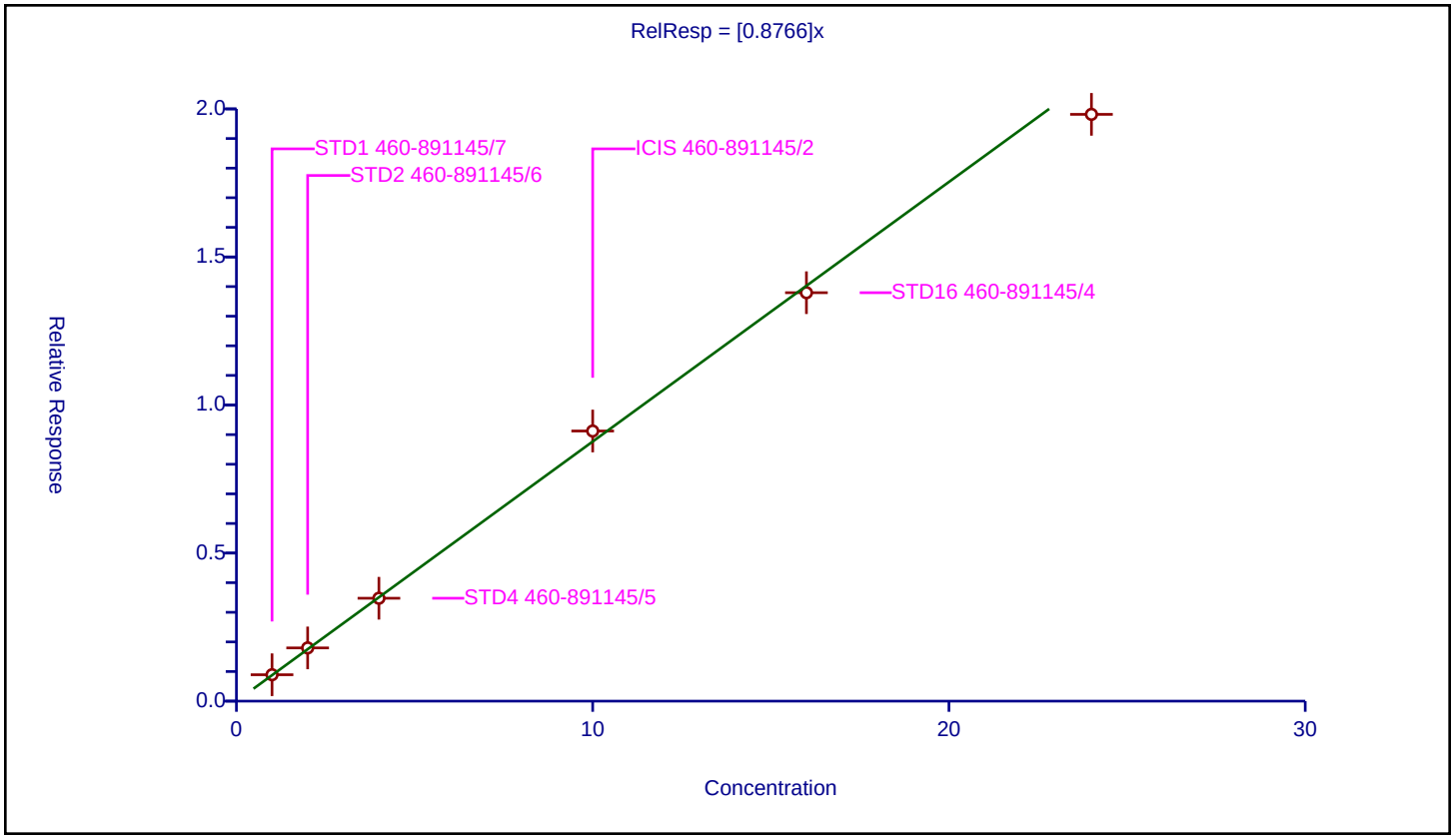
Curve Coefficients

Intercept:	0
Slope:	0.8766

Error Coefficients

Standard Error:	568000
Relative Standard Error:	3.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.89222	8.0	428029.0	0.89222	Y
2	STD2 460-891145/6	2.0	1.797848	8.0	438898.0	0.898924	Y
3	STD4 460-891145/5	4.0	3.475167	8.0	421079.0	0.868792	Y
4	ICIS 460-891145/2	10.0	9.121932	8.0	336876.0	0.912193	Y
5	STD16 460-891145/4	16.0	13.792934	8.0	397197.0	0.862058	Y
6	STD24 460-891145/3	24.0	19.815414	8.0	393595.0	0.825642	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

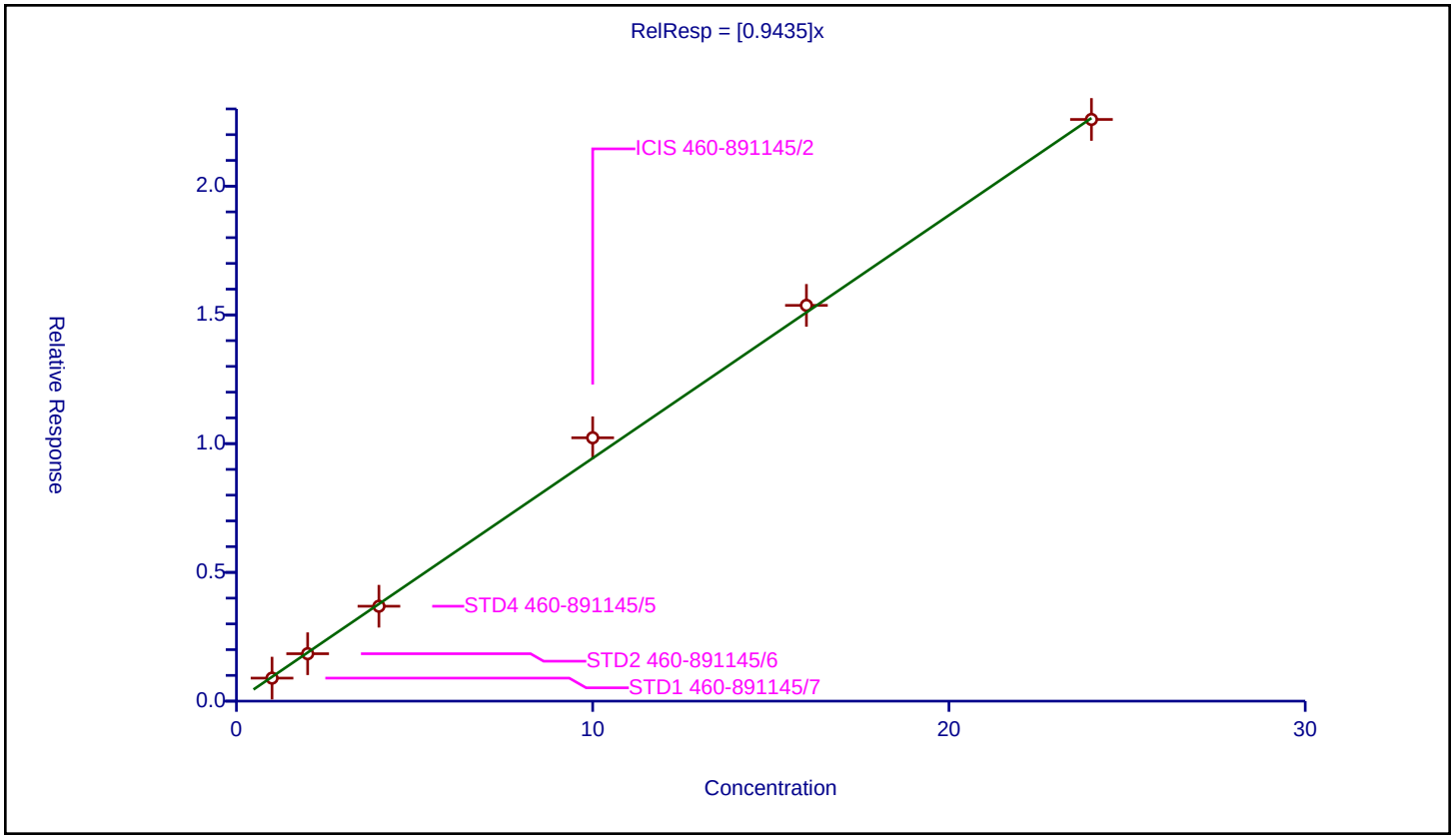
Curve Coefficients

Intercept:	0
Slope:	0.9435

Error Coefficients

Standard Error:	641000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.893958	8.0	428029.0	0.893958	Y
2	STD2 460-891145/6	2.0	1.841904	8.0	438898.0	0.920952	Y
3	STD4 460-891145/5	4.0	3.685864	8.0	421079.0	0.921466	Y
4	ICIS 460-891145/2	10.0	10.228025	8.0	336876.0	1.022802	Y
5	STD16 460-891145/4	16.0	15.369864	8.0	397197.0	0.960617	Y
6	STD24 460-891145/3	24.0	22.590307	8.0	393595.0	0.941263	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

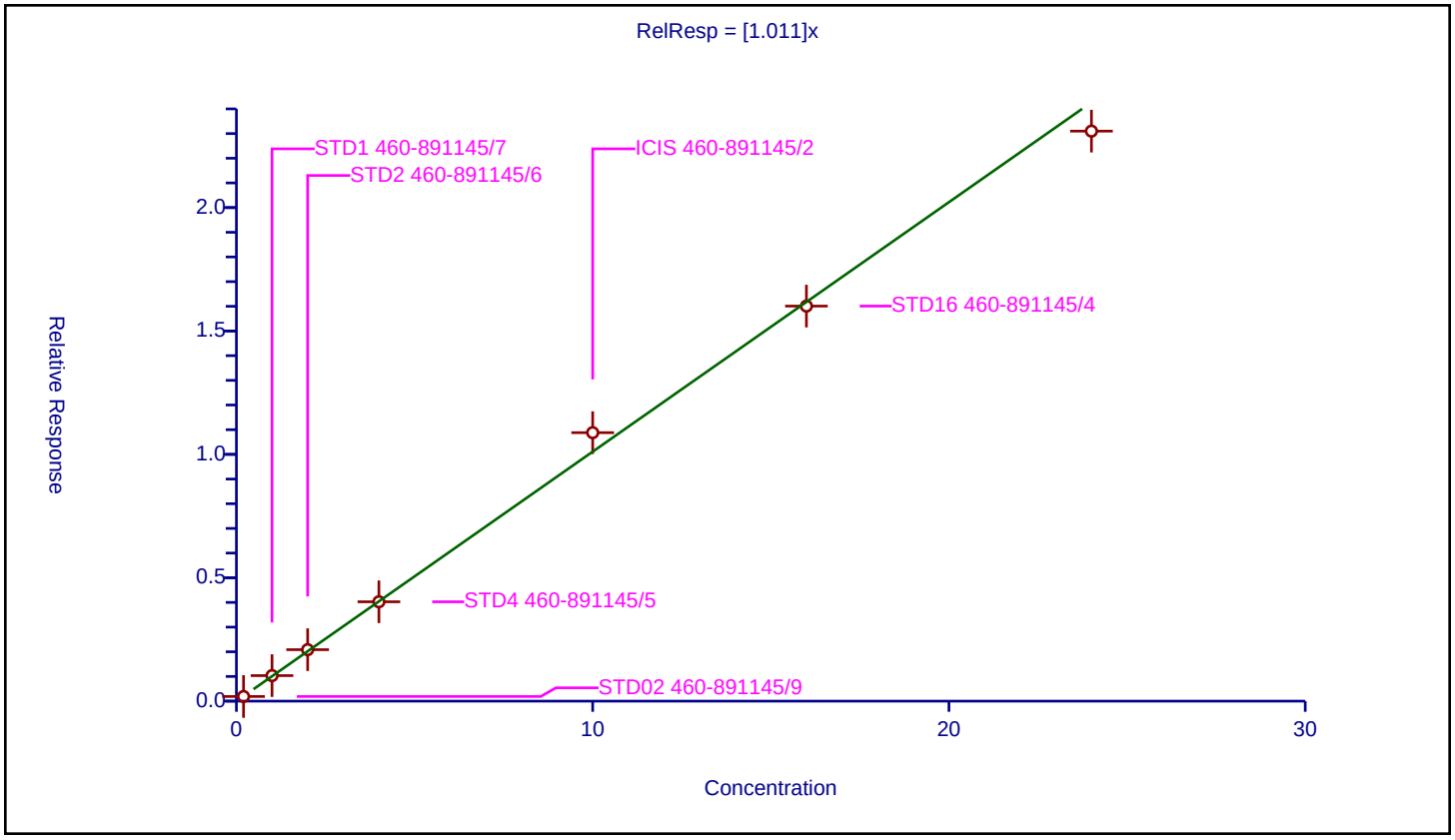
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Standard Error:	605000
Relative Standard Error:	4.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.18847	8.0	498627.0	0.942348	Y
2	STD1 460-891145/7	1.0	1.034192	8.0	428029.0	1.034192	Y
3	STD2 460-891145/6	2.0	2.085514	8.0	438898.0	1.042757	Y
4	STD4 460-891145/5	4.0	4.02657	8.0	421079.0	1.006642	Y
5	ICIS 460-891145/2	10.0	10.879683	8.0	336876.0	1.087968	Y
6	STD16 460-891145/4	16.0	16.009144	8.0	397197.0	1.000572	Y
7	STD24 460-891145/3	24.0	23.098241	8.0	393595.0	0.962427	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

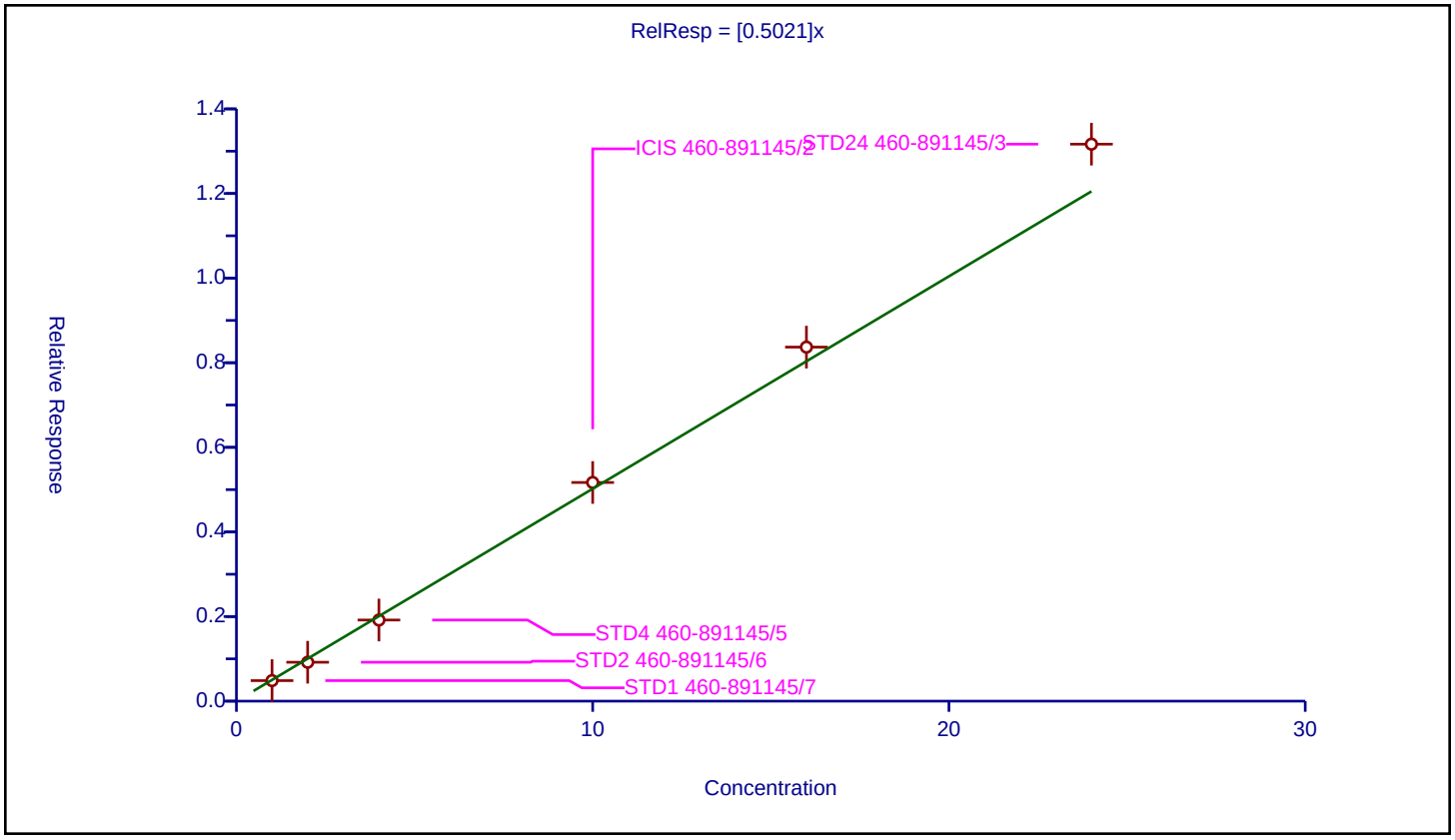
Curve Coefficients

Intercept:	0
Slope:	0.5021

Error Coefficients

Standard Error:	361000
Relative Standard Error:	6.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.485107	8.0	428029.0	0.485107	Y
2	STD2 460-891145/6	2.0	0.919375	8.0	438898.0	0.459688	Y
3	STD4 460-891145/5	4.0	1.917284	8.0	421079.0	0.479321	Y
4	ICIS 460-891145/2	10.0	5.168359	8.0	336876.0	0.516836	Y
5	STD16 460-891145/4	16.0	8.368744	8.0	397197.0	0.523046	Y
6	STD24 460-891145/3	24.0	13.166407	8.0	393595.0	0.5486	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

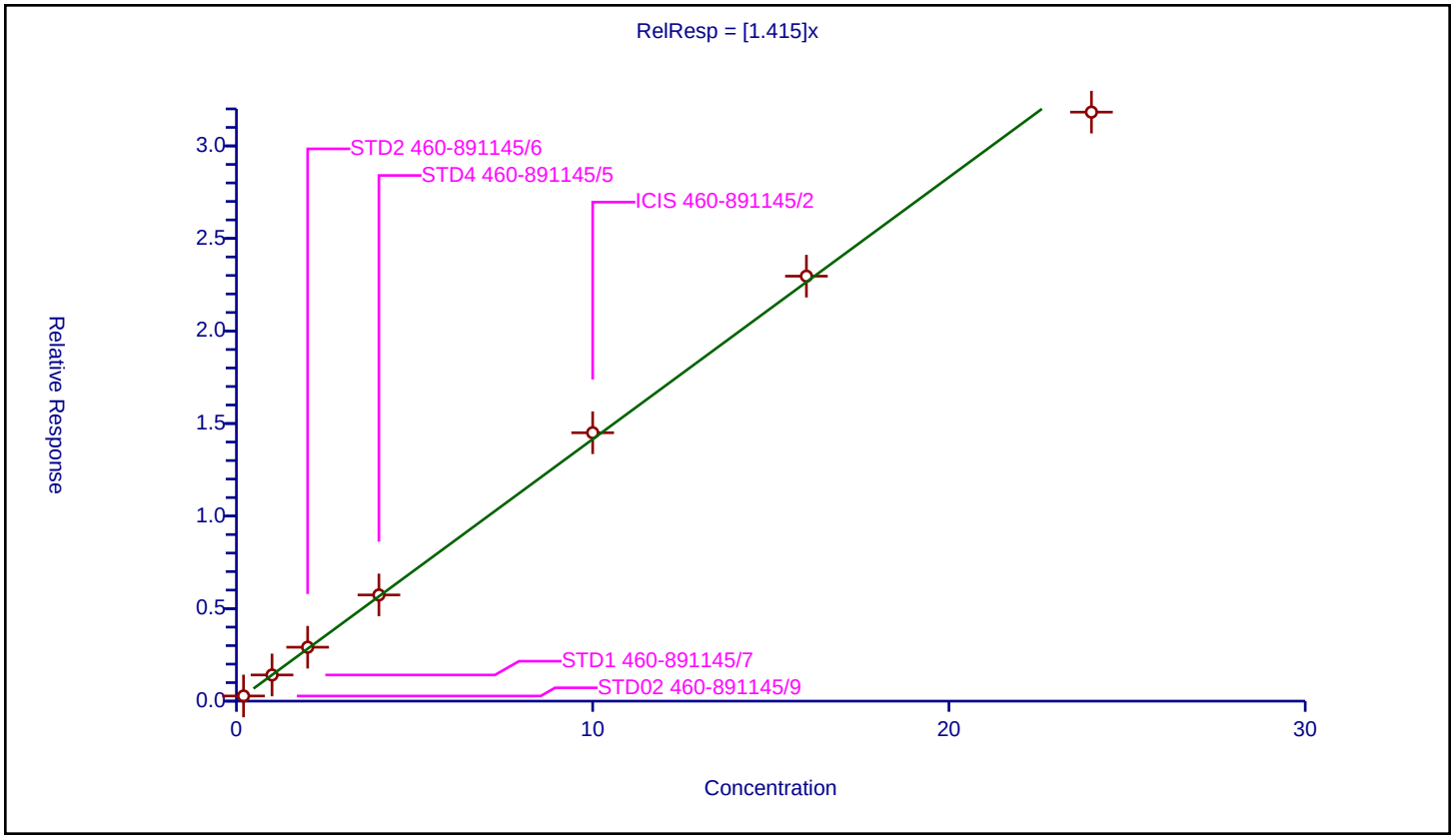
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Standard Error:	620000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.278329	8.0	350693.0	1.391645	Y
2	STD1 460-891145/7	1.0	1.413309	8.0	318481.0	1.413309	Y
3	STD2 460-891145/6	2.0	2.91279	8.0	322223.0	1.456395	Y
4	STD4 460-891145/5	4.0	5.737442	8.0	303087.0	1.43436	Y
5	ICIS 460-891145/2	10.0	14.50232	8.0	254762.0	1.450232	Y
6	STD16 460-891145/4	16.0	22.962276	8.0	285972.0	1.435142	Y
7	STD24 460-891145/3	24.0	31.825984	8.0	292616.0	1.326083	Y



Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

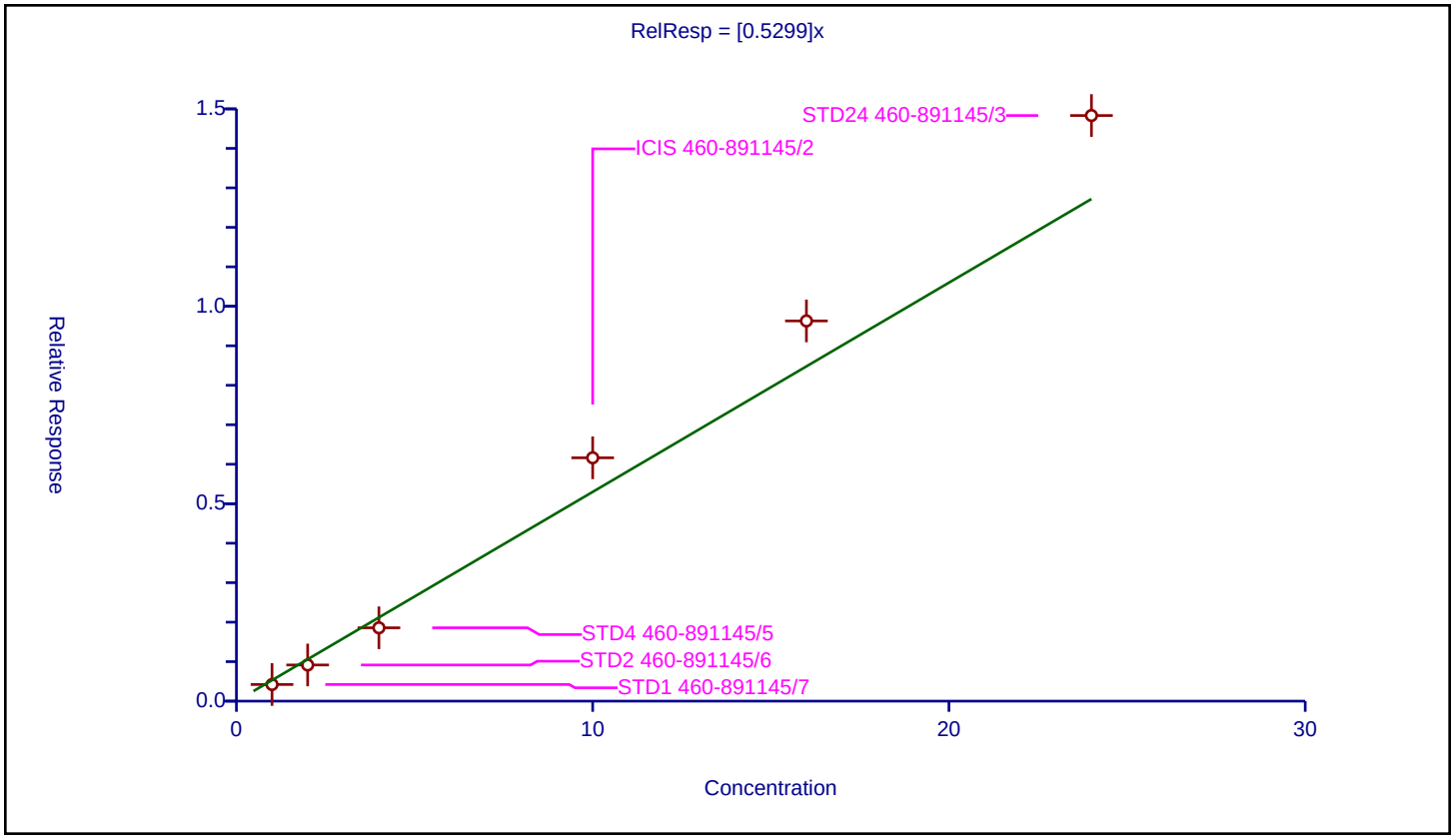
Curve Coefficients

Intercept:	0
Slope:	0.5299

Error Coefficients

Standard Error:	303000
Relative Standard Error:	17.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.42125	8.0	318481.0	0.42125	Y
2	STD2 460-891145/6	2.0	0.915689	8.0	322223.0	0.457844	Y
3	STD4 460-891145/5	4.0	1.857104	8.0	303087.0	0.464276	Y
4	ICIS 460-891145/2	10.0	6.163305	8.0	254762.0	0.616331	Y
5	STD16 460-891145/4	16.0	9.629446	8.0	285972.0	0.60184	Y
6	STD24 460-891145/3	24.0	14.831944	8.0	292616.0	0.617998	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

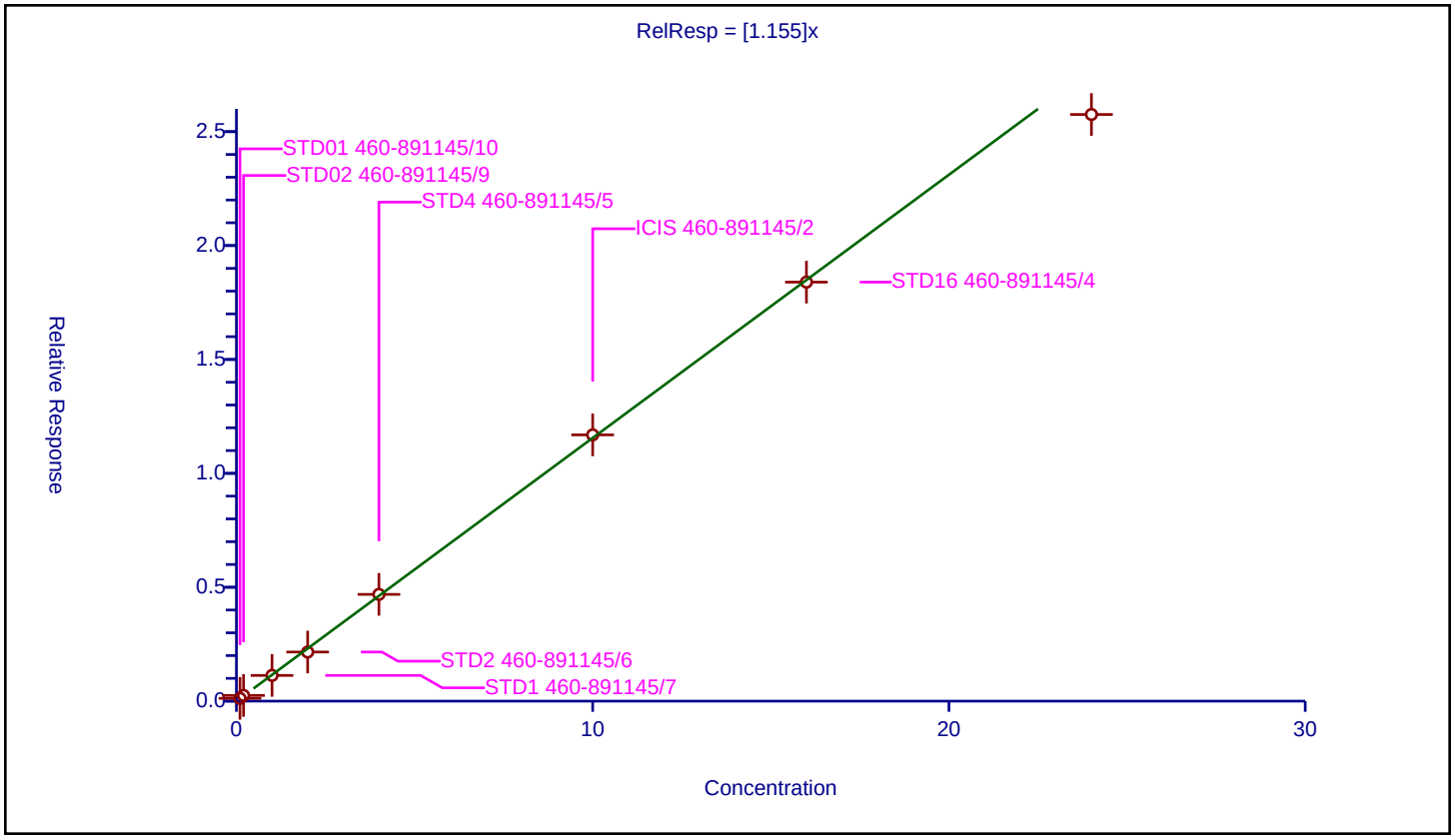
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Standard Error:	463000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.122215	8.0	307981.0	1.222153	Y
2	STD02 460-891145/9	0.2	0.25027	8.0	350693.0	1.251351	Y
3	STD1 460-891145/7	1.0	1.128833	8.0	318481.0	1.128833	Y
4	STD2 460-891145/6	2.0	2.156519	8.0	322223.0	1.078259	Y
5	STD4 460-891145/5	4.0	4.686443	8.0	303087.0	1.171611	Y
6	ICIS 460-891145/2	10.0	11.689467	8.0	254762.0	1.168947	Y
7	STD16 460-891145/4	16.0	18.39464	8.0	285972.0	1.149665	Y
8	STD24 460-891145/3	24.0	25.754901	8.0	292616.0	1.073121	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

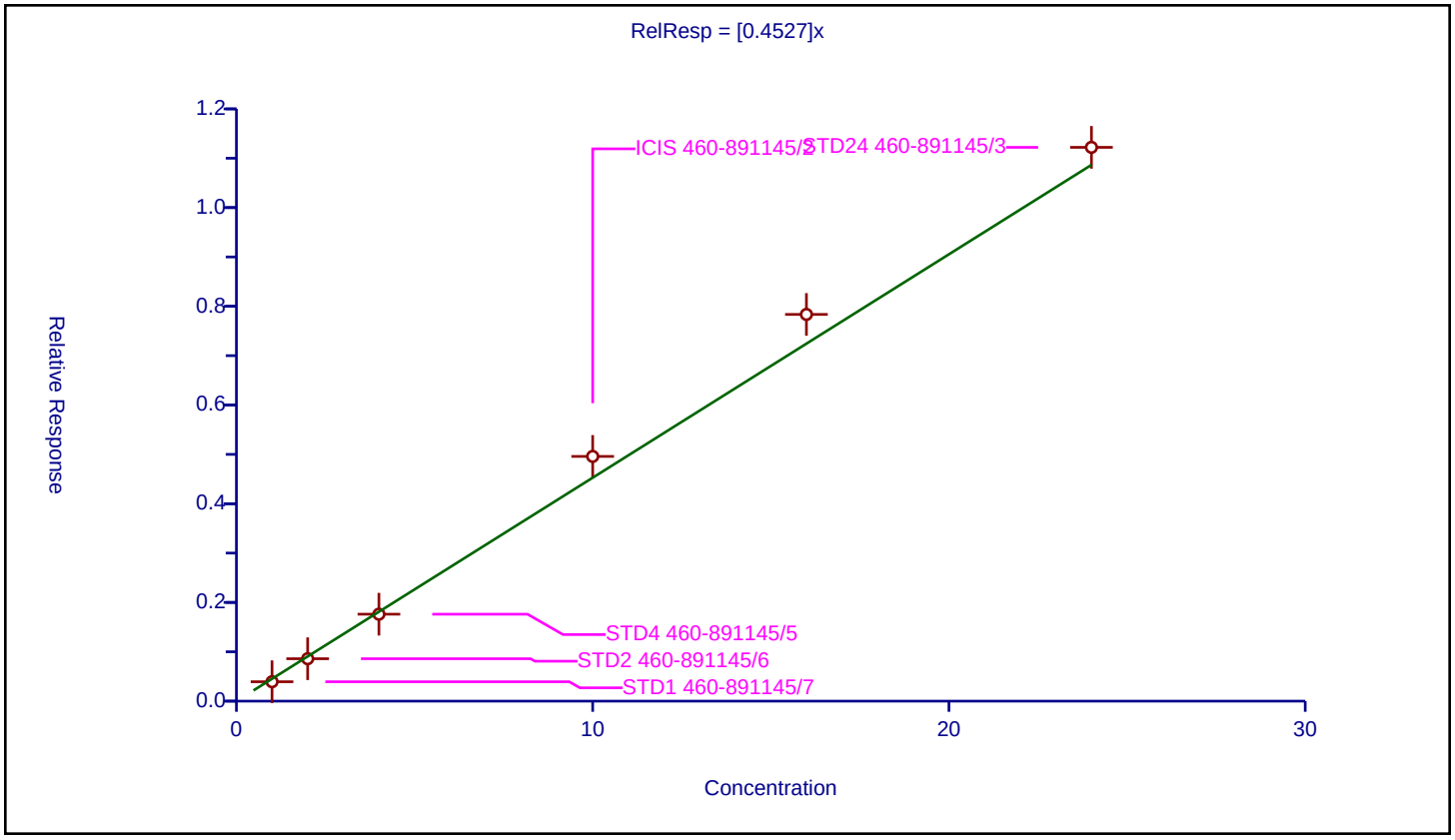
Curve Coefficients

Intercept:	0
Slope:	0.4527

Error Coefficients

Standard Error:	236000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.392965	8.0	318481.0	0.392965	Y
2	STD2 460-891145/6	2.0	0.859157	8.0	322223.0	0.429578	Y
3	STD4 460-891145/5	4.0	1.76195	8.0	303087.0	0.440487	Y
4	ICIS 460-891145/2	10.0	4.958762	8.0	254762.0	0.495876	Y
5	STD16 460-891145/4	16.0	7.835732	8.0	285972.0	0.489733	Y
6	STD24 460-891145/3	24.0	11.220877	8.0	292616.0	0.467537	Y



Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

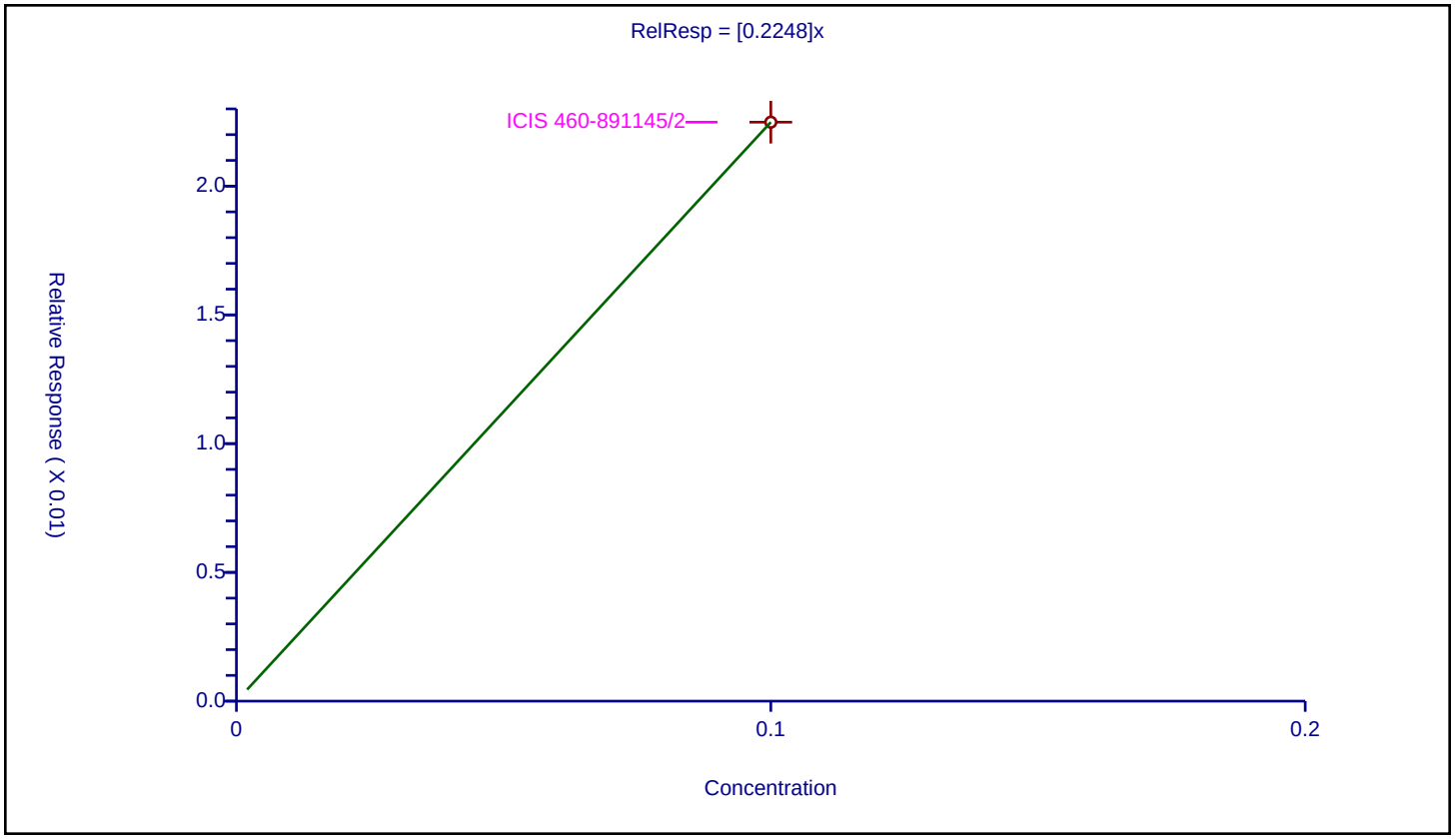
Curve Coefficients

Intercept:	0
Slope:	0.2248

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-891145/2	0.1	0.022484	8.0	254762.0	0.224837	Y



Calibration / Carbamazepine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

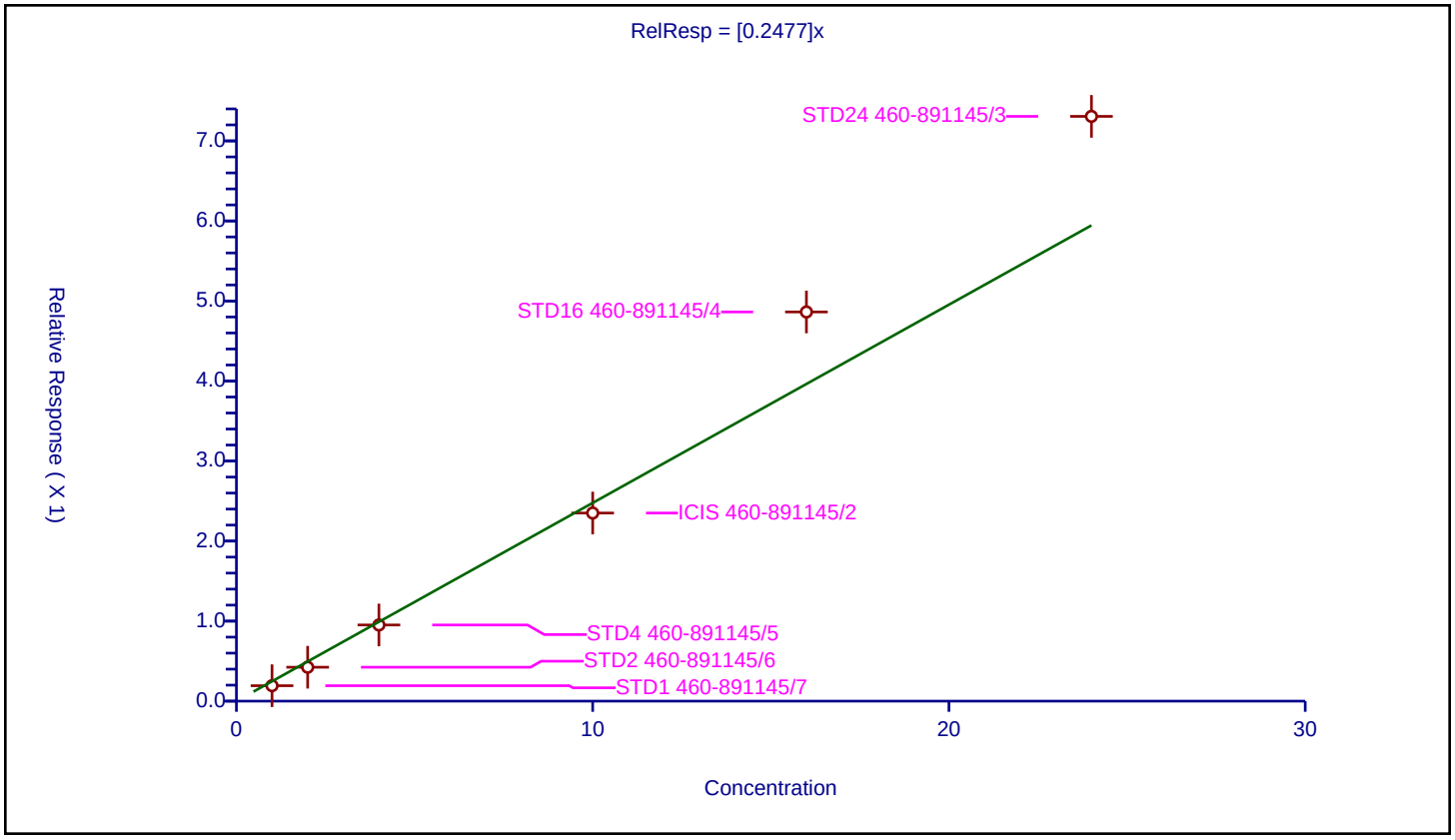
Curve Coefficients

Intercept:	0
Slope:	0.2477

Error Coefficients

Standard Error:	148000
Relative Standard Error:	18.9
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.956

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.192966	8.0	318481.0	0.192966	Y
2	STD2 460-891145/6	2.0	0.423707	8.0	322223.0	0.211853	Y
3	STD4 460-891145/5	4.0	0.951727	8.0	303087.0	0.237932	Y
4	ICIS 460-891145/2	10.0	2.350272	8.0	254762.0	0.235027	Y
5	STD16 460-891145/4	16.0	4.862686	8.0	285972.0	0.303918	Y
6	STD24 460-891145/3	24.0	7.30634	8.0	292616.0	0.304431	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

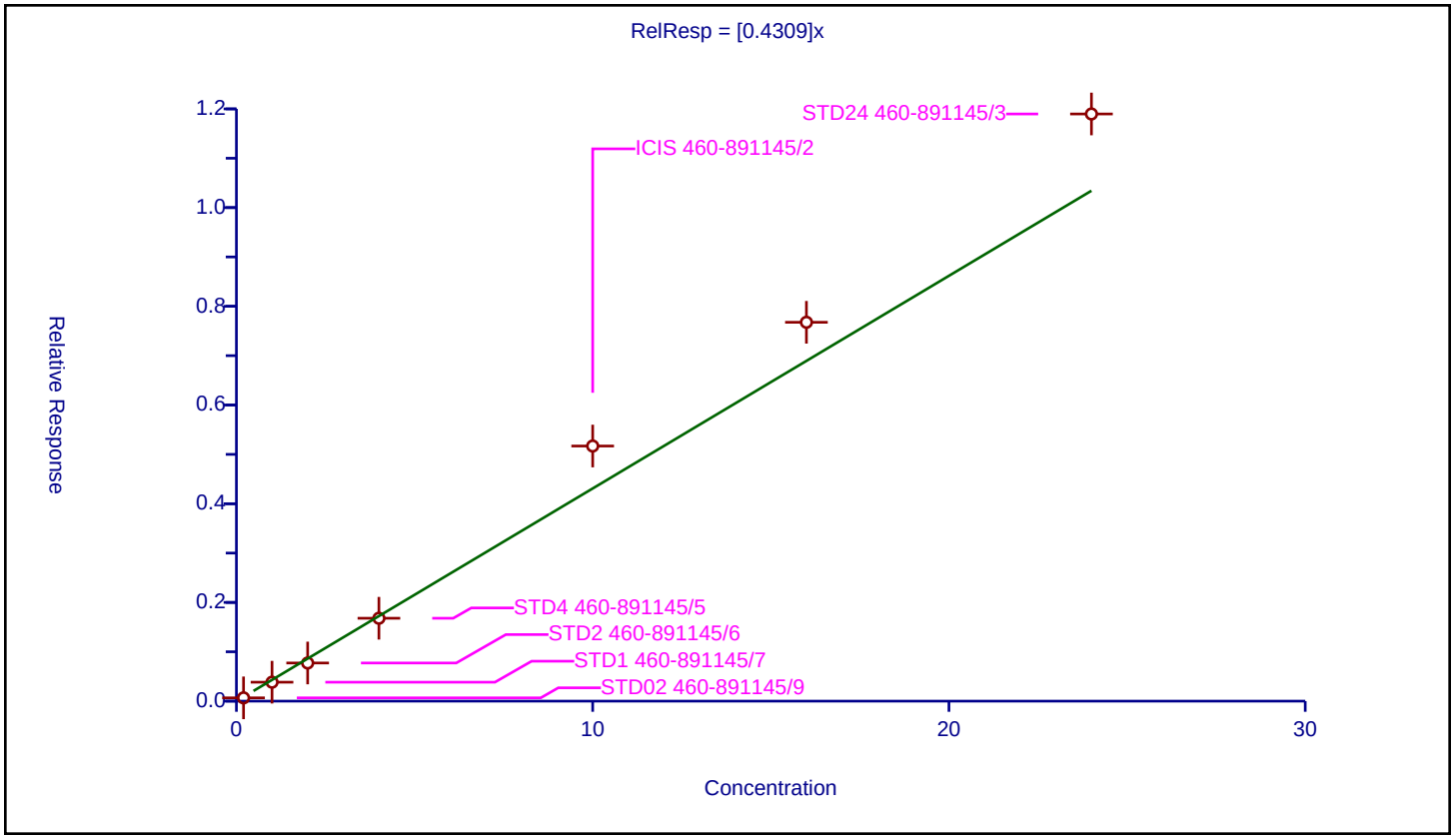
Curve Coefficients

Intercept:	0
Slope:	0.4309

Error Coefficients

Standard Error:	222000
Relative Standard Error:	15.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.066702	8.0	350693.0	0.333511	Y
2	STD1 460-891145/7	1.0	0.383948	8.0	318481.0	0.383948	Y
3	STD2 460-891145/6	2.0	0.773179	8.0	322223.0	0.386589	Y
4	STD4 460-891145/5	4.0	1.679412	8.0	303087.0	0.419853	Y
5	ICIS 460-891145/2	10.0	5.16884	8.0	254762.0	0.516884	Y
6	STD16 460-891145/4	16.0	7.676332	8.0	285972.0	0.479771	Y
7	STD24 460-891145/3	24.0	11.896902	8.0	292616.0	0.495704	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

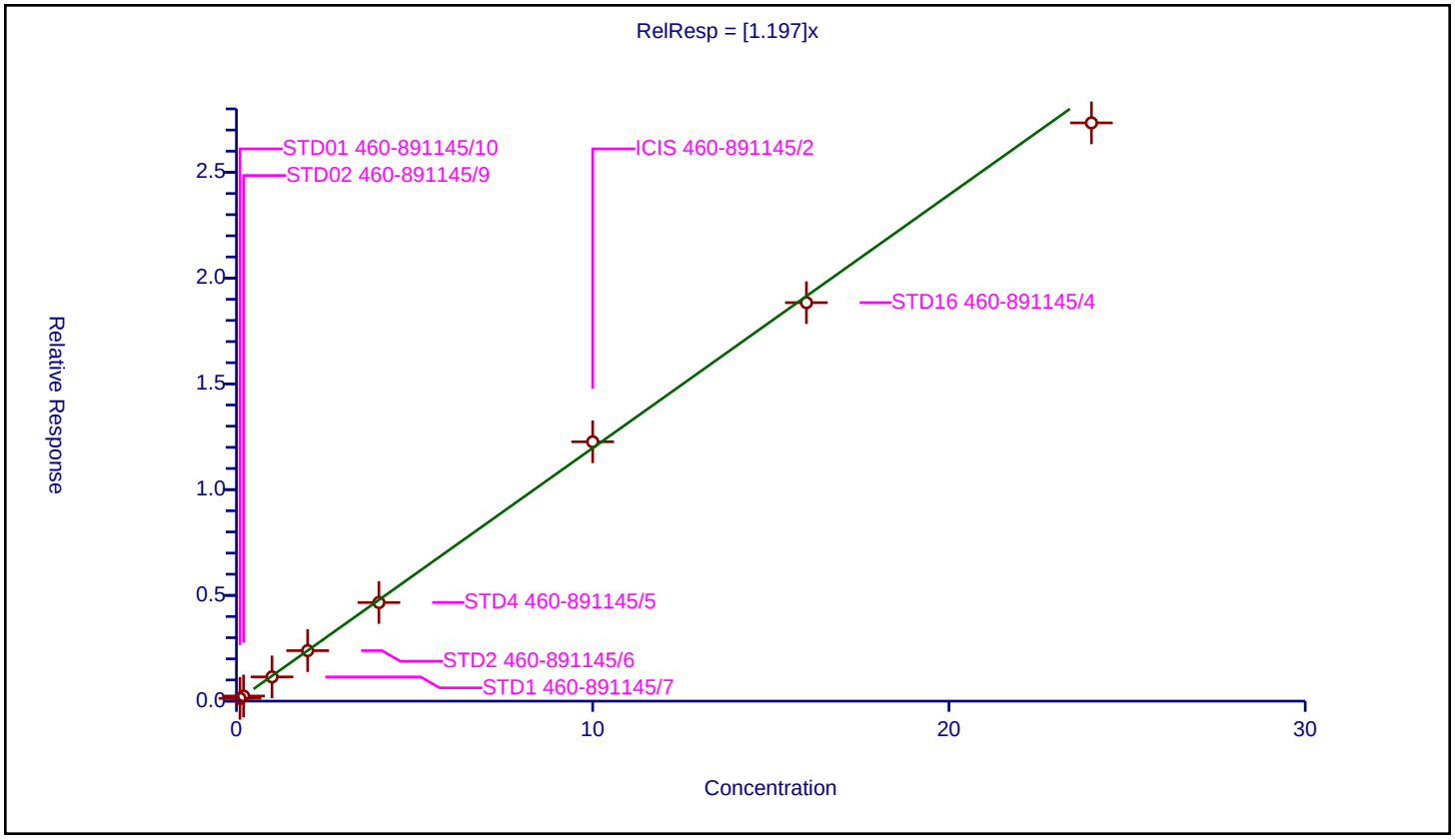
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Standard Error:	485000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.131644	8.0	307981.0	1.316445	Y
2	STD02 460-891145/9	0.2	0.241921	8.0	350693.0	1.209605	Y
3	STD1 460-891145/7	1.0	1.146015	8.0	318481.0	1.146015	Y
4	STD2 460-891145/6	2.0	2.387514	8.0	322223.0	1.193757	Y
5	STD4 460-891145/5	4.0	4.661843	8.0	303087.0	1.165461	Y
6	ICIS 460-891145/2	10.0	12.26164	8.0	254762.0	1.226164	Y
7	STD16 460-891145/4	16.0	18.839075	8.0	285972.0	1.177442	Y
8	STD24 460-891145/3	24.0	27.337726	8.0	292616.0	1.139072	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

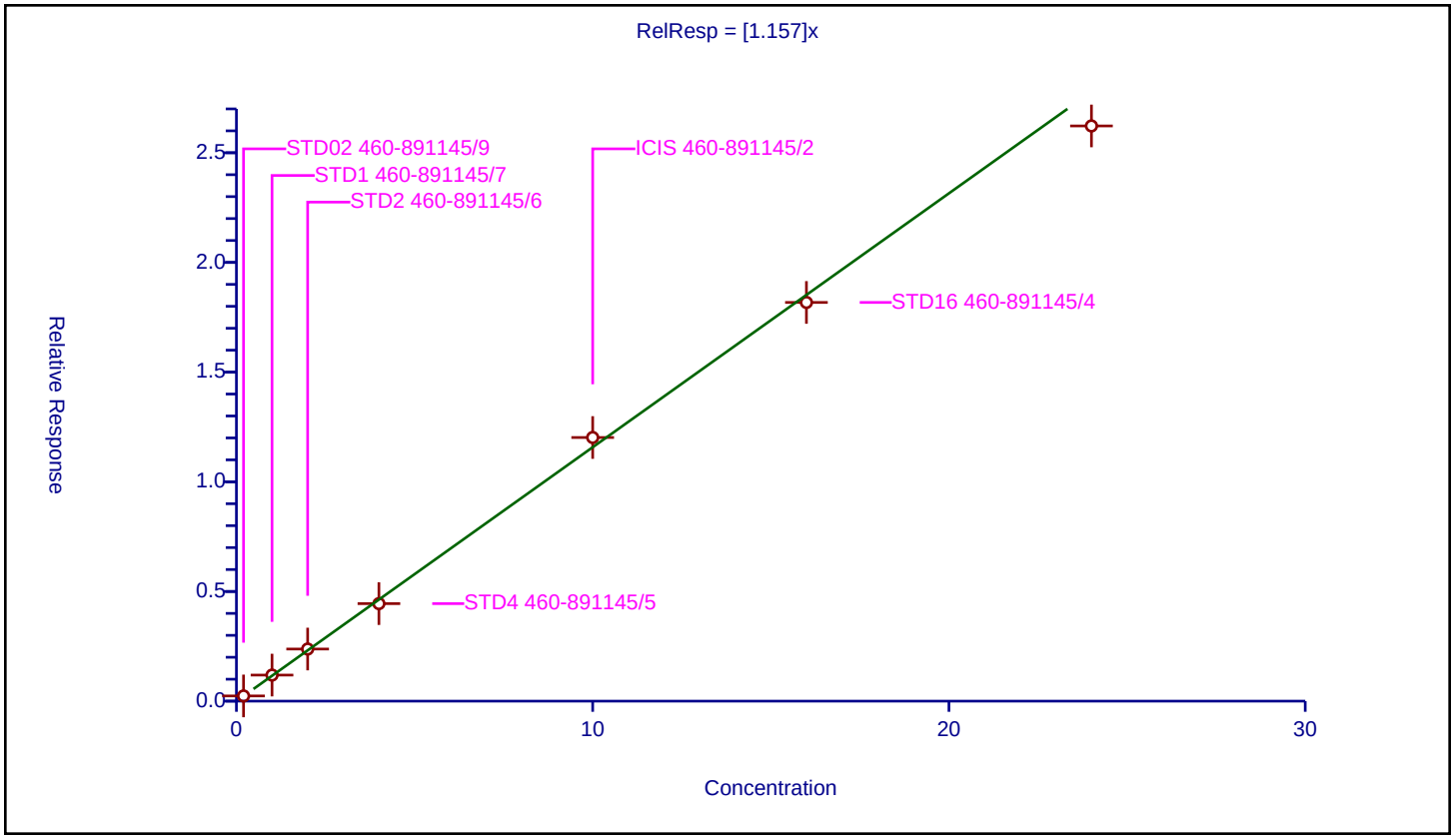
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Standard Error:	505000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.236857	8.0	350693.0	1.184284	Y
2	STD1 460-891145/7	1.0	1.187964	8.0	318481.0	1.187964	Y
3	STD2 460-891145/6	2.0	2.375994	8.0	322223.0	1.187997	Y
4	STD4 460-891145/5	4.0	4.446459	8.0	303087.0	1.111615	Y
5	ICIS 460-891145/2	10.0	12.019312	8.0	254762.0	1.201931	Y
6	STD16 460-891145/4	16.0	18.176801	8.0	285972.0	1.13605	Y
7	STD24 460-891145/3	24.0	26.222326	8.0	292616.0	1.092597	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

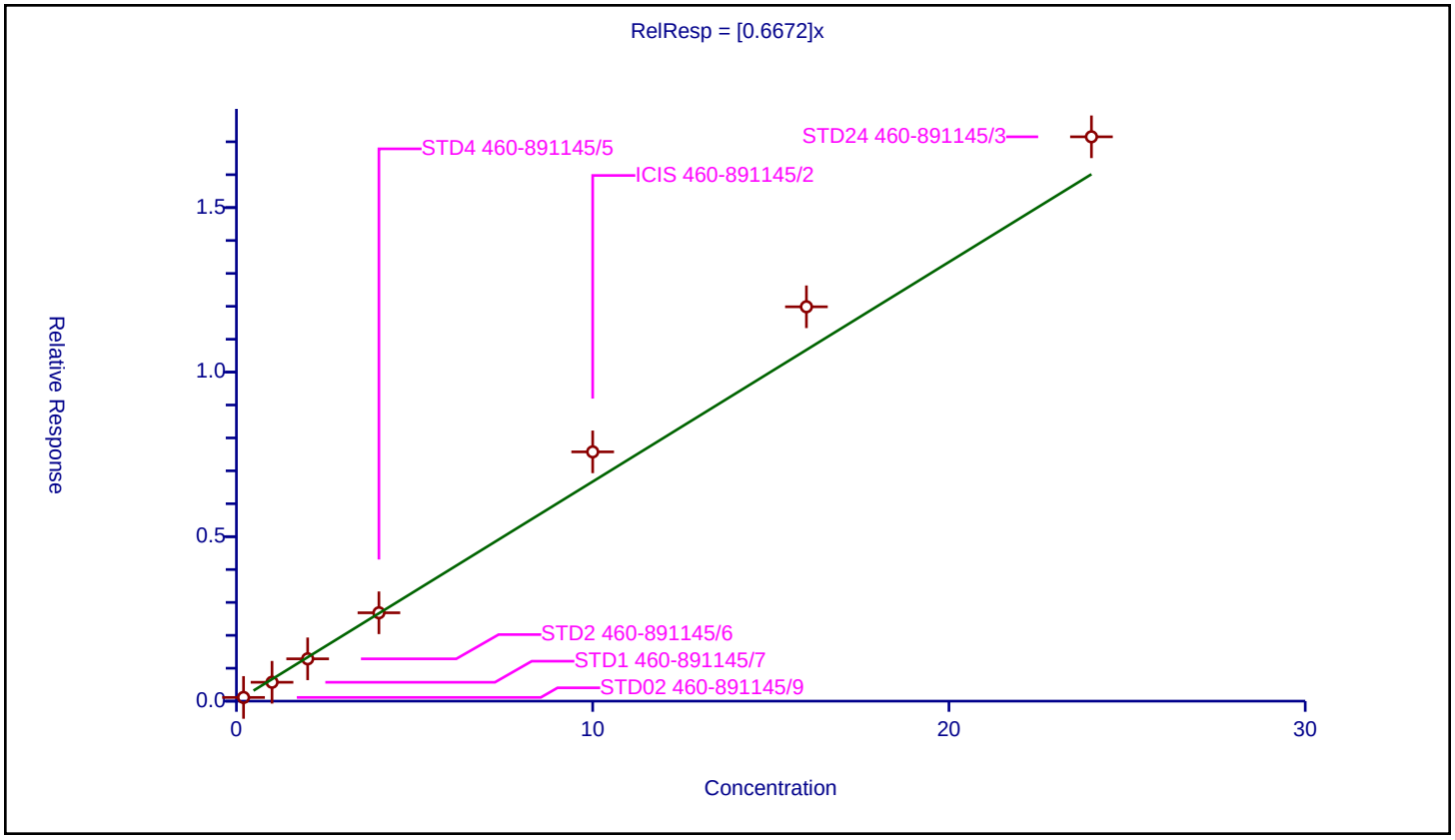
Curve Coefficients

Intercept:	0
Slope:	0.6672

Error Coefficients

Standard Error:	329000
Relative Standard Error:	11.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-891145/9	0.2	0.112303	8.0	350693.0	0.561517	Y
2	STD1 460-891145/7	1.0	0.573648	8.0	318481.0	0.573648	Y
3	STD2 460-891145/6	2.0	1.285842	8.0	322223.0	0.642921	Y
4	STD4 460-891145/5	4.0	2.68517	8.0	303087.0	0.671292	Y
5	ICIS 460-891145/2	10.0	7.576106	8.0	254762.0	0.757611	Y
6	STD16 460-891145/4	16.0	11.985705	8.0	285972.0	0.749107	Y
7	STD24 460-891145/3	24.0	17.151516	8.0	292616.0	0.714646	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

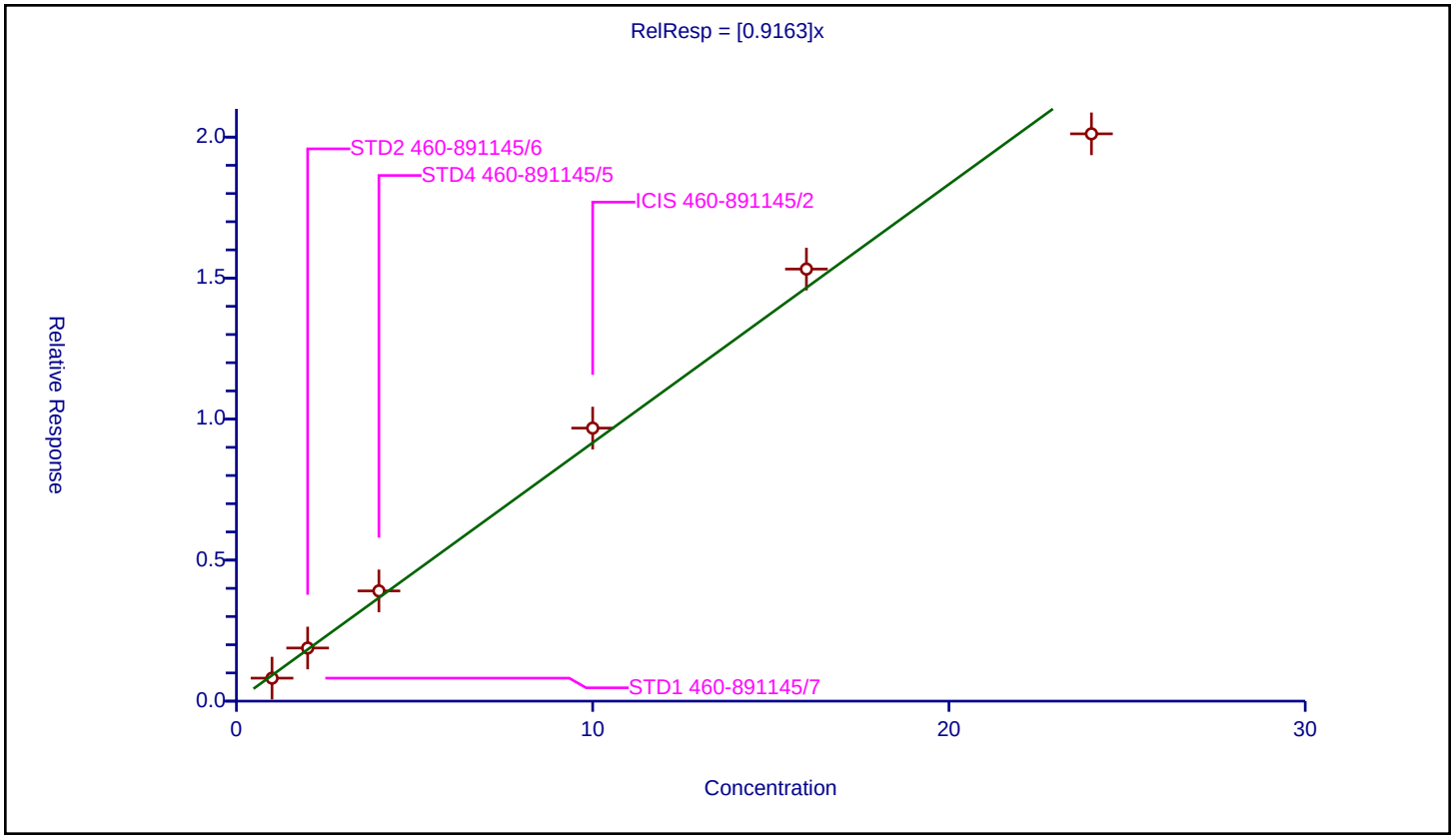
Curve Coefficients

Intercept:	0
Slope:	0.9163

Error Coefficients

Standard Error:	591000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	0.815372	8.0	311269.0	0.815372	Y
2	STD2 460-891145/6	2.0	1.883262	8.0	319021.0	0.941631	Y
3	STD4 460-891145/5	4.0	3.908062	8.0	309207.0	0.977015	Y
4	ICIS 460-891145/2	10.0	9.681015	8.0	321539.0	0.968102	Y
5	STD16 460-891145/4	16.0	15.320334	8.0	355716.0	0.957521	Y
6	STD24 460-891145/3	24.0	20.116516	8.0	417281.0	0.838188	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

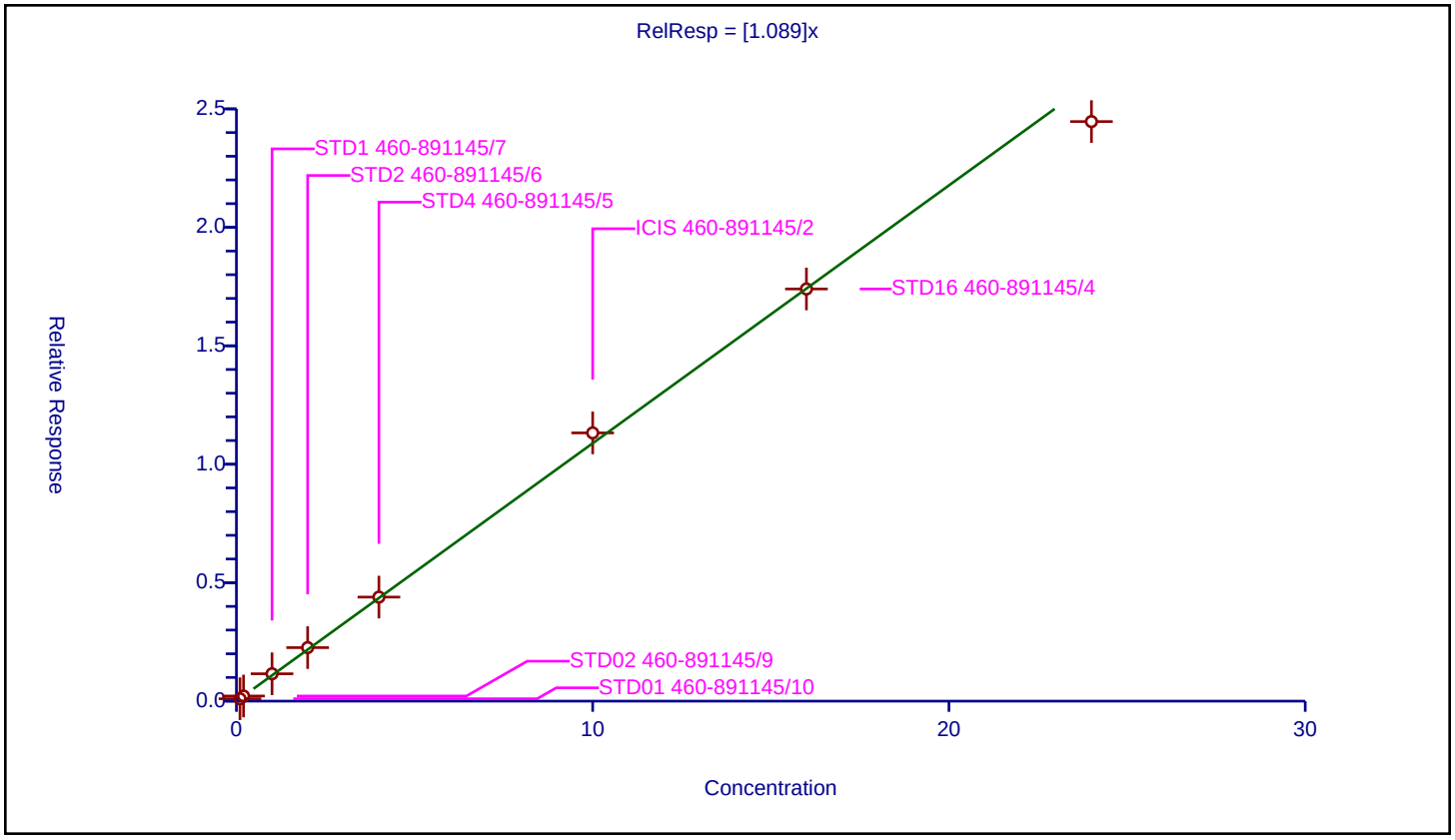
Curve Coefficients

Intercept:	0
Slope:	1.089

Error Coefficients

Standard Error:	594000
Relative Standard Error:	4.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.10053	8.0	308605.0	1.005298	Y
2	STD02 460-891145/9	0.2	0.216134	8.0	339974.0	1.080671	Y
3	STD1 460-891145/7	1.0	1.155245	8.0	311269.0	1.155245	Y
4	STD2 460-891145/6	2.0	2.259312	8.0	319021.0	1.129656	Y
5	STD4 460-891145/5	4.0	4.392087	8.0	309207.0	1.098022	Y
6	ICIS 460-891145/2	10.0	11.323516	8.0	321539.0	1.132352	Y
7	STD16 460-891145/4	16.0	17.398329	8.0	355716.0	1.087396	Y
8	STD24 460-891145/3	24.0	24.464684	8.0	417281.0	1.019362	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

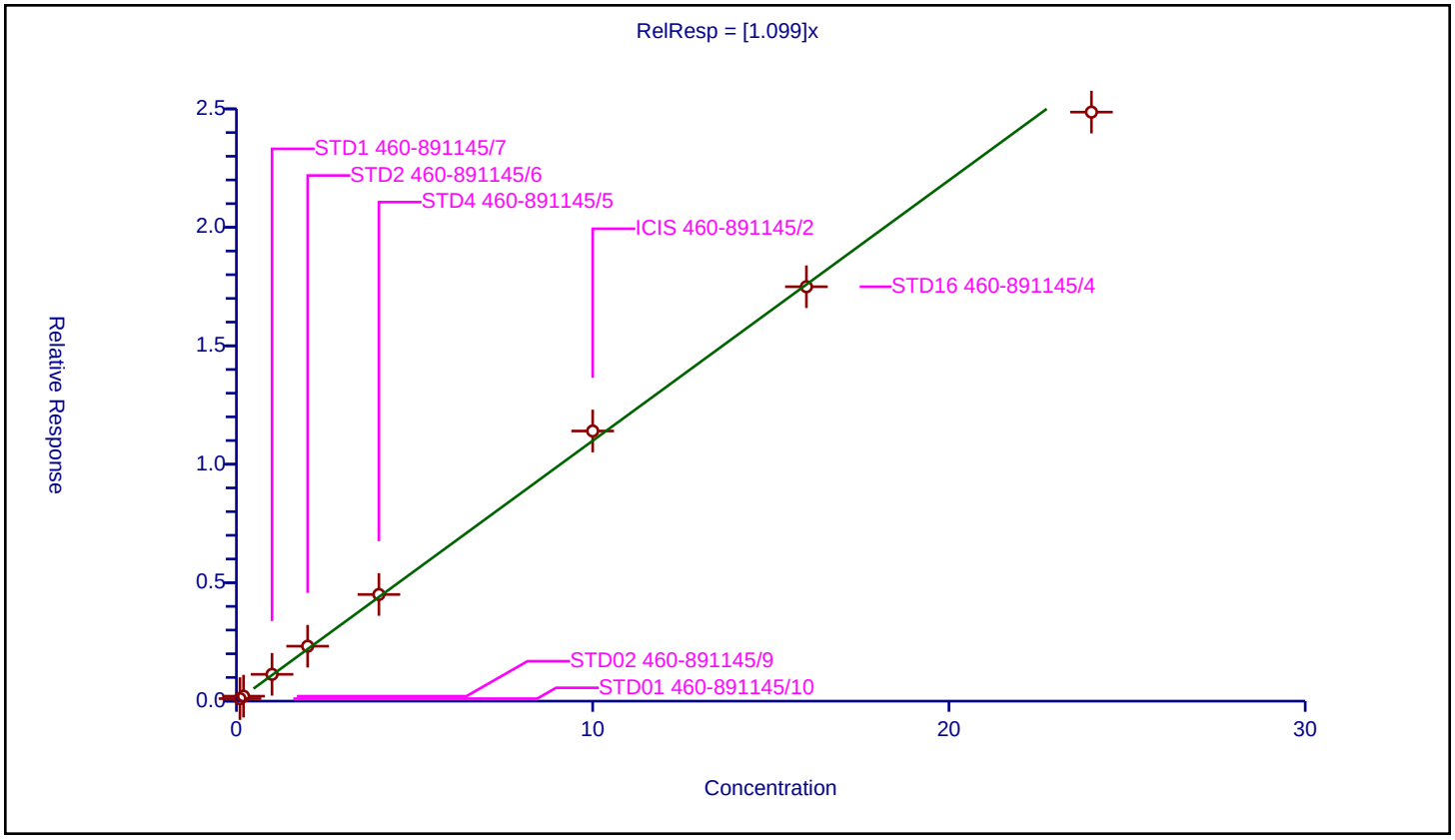
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	602000
Relative Standard Error:	4.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.106077	8.0	308605.0	1.060773	Y
2	STD02 460-891145/9	0.2	0.209216	8.0	339974.0	1.04608	Y
3	STD1 460-891145/7	1.0	1.131806	8.0	311269.0	1.131806	Y
4	STD2 460-891145/6	2.0	2.318945	8.0	319021.0	1.159472	Y
5	STD4 460-891145/5	4.0	4.502175	8.0	309207.0	1.125544	Y
6	ICIS 460-891145/2	10.0	11.403282	8.0	321539.0	1.140328	Y
7	STD16 460-891145/4	16.0	17.492966	8.0	355716.0	1.09331	Y
8	STD24 460-891145/3	24.0	24.863993	8.0	417281.0	1.036	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

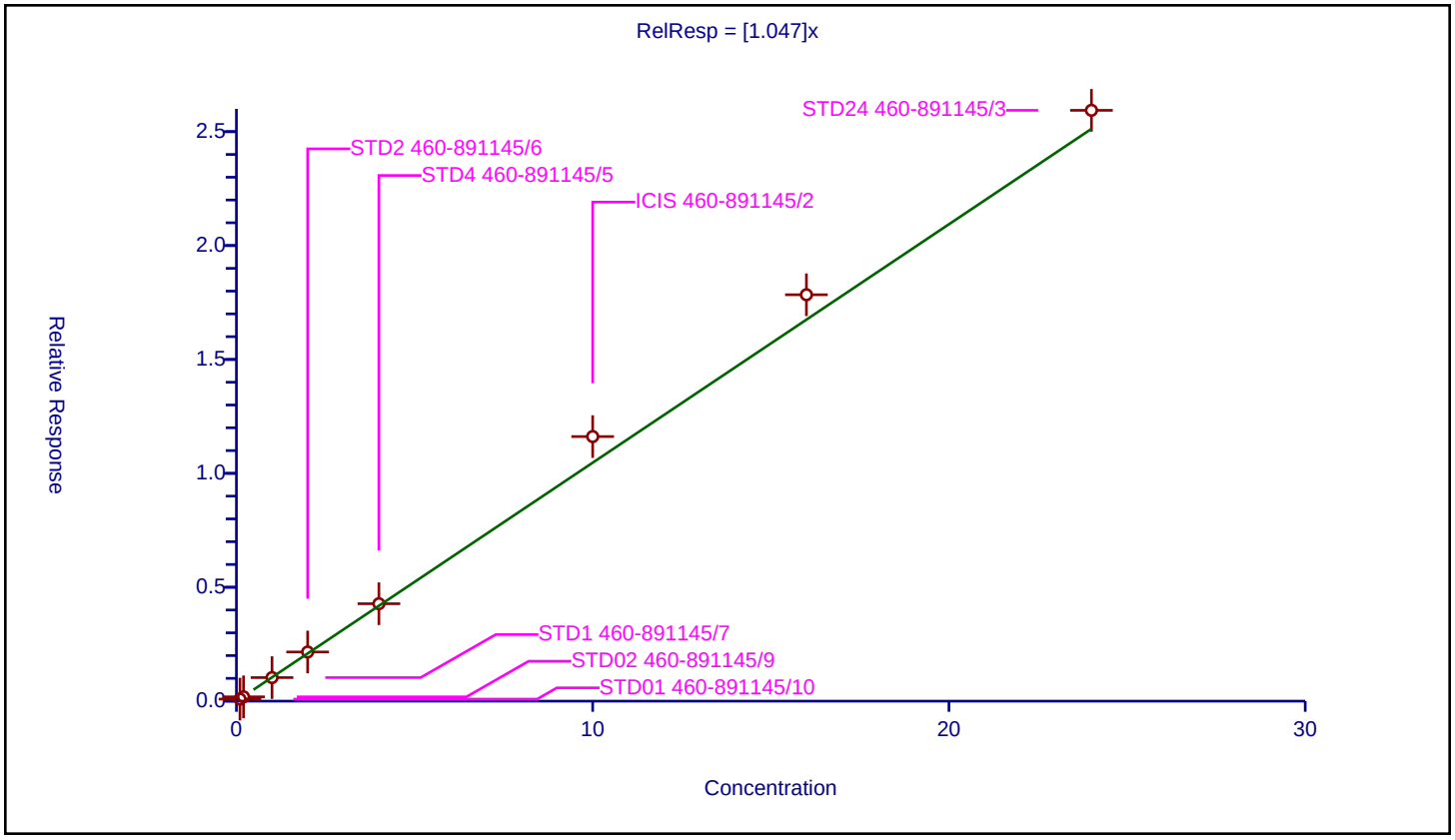
Curve Coefficients

Intercept:	0
Slope:	1.047

Error Coefficients

Standard Error:	623000
Relative Standard Error:	8.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.089357	8.0	308605.0	0.893569	Y
2	STD02 460-891145/9	0.2	0.18825	8.0	339974.0	0.941248	Y
3	STD1 460-891145/7	1.0	1.033678	8.0	311269.0	1.033678	Y
4	STD2 460-891145/6	2.0	2.158303	8.0	319021.0	1.079152	Y
5	STD4 460-891145/5	4.0	4.27654	8.0	309207.0	1.069135	Y
6	ICIS 460-891145/2	10.0	11.614815	8.0	321539.0	1.161481	Y
7	STD16 460-891145/4	16.0	17.841334	8.0	355716.0	1.115083	Y
8	STD24 460-891145/3	24.0	25.936728	8.0	417281.0	1.080697	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

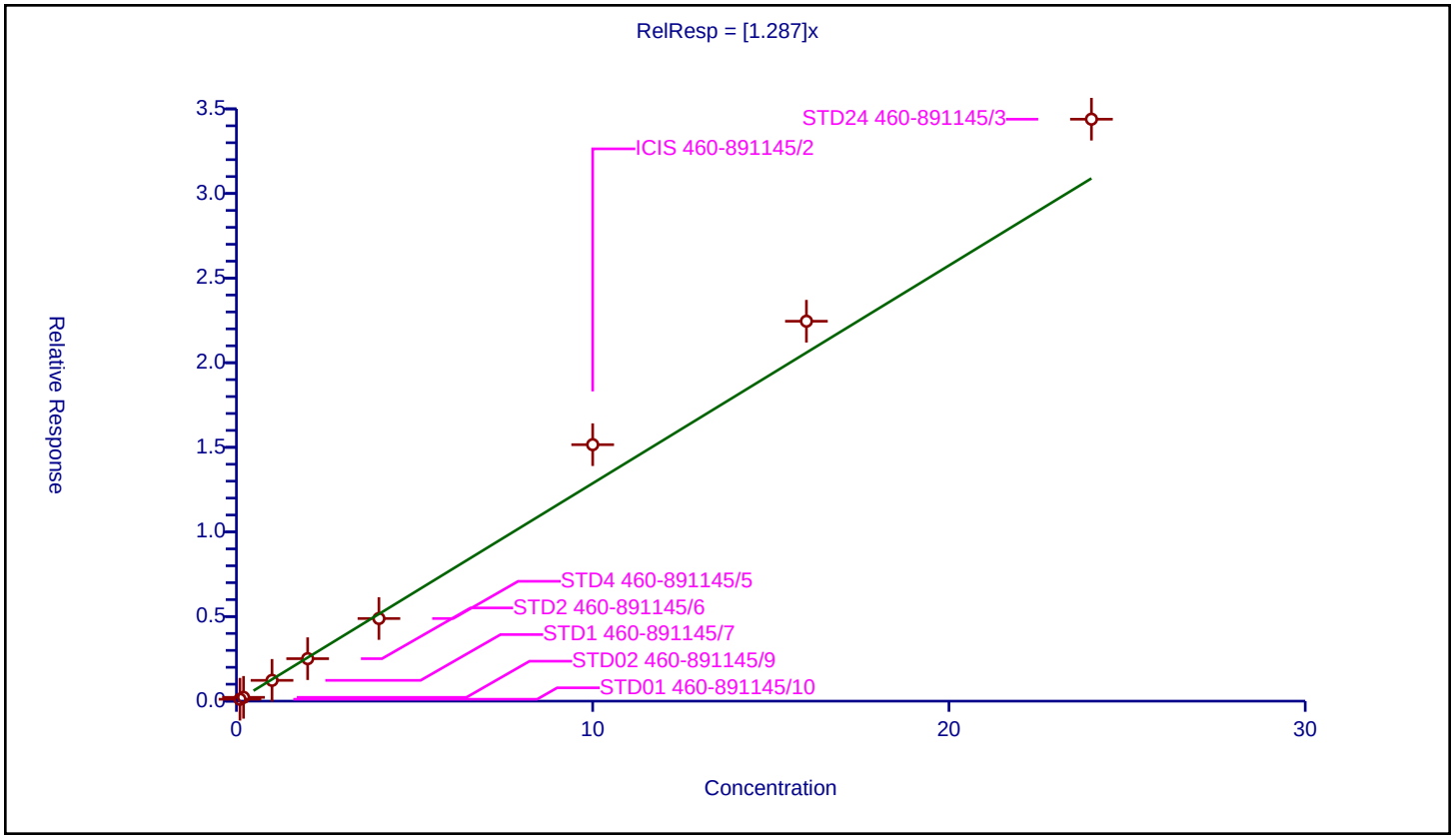
Curve Coefficients

Intercept:	0
Slope:	1.287

Error Coefficients

Standard Error:	814000
Relative Standard Error:	11.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.112247	8.0	308605.0	1.12247	Y
2	STD02 460-891145/9	0.2	0.223852	8.0	339974.0	1.119262	Y
3	STD1 460-891145/7	1.0	1.22816	8.0	311269.0	1.22816	Y
4	STD2 460-891145/6	2.0	2.509929	8.0	319021.0	1.254964	Y
5	STD4 460-891145/5	4.0	4.884003	8.0	309207.0	1.221001	Y
6	ICIS 460-891145/2	10.0	15.156084	8.0	321539.0	1.515608	Y
7	STD16 460-891145/4	16.0	22.452901	8.0	355716.0	1.403306	Y
8	STD24 460-891145/3	24.0	34.391309	8.0	417281.0	1.432971	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

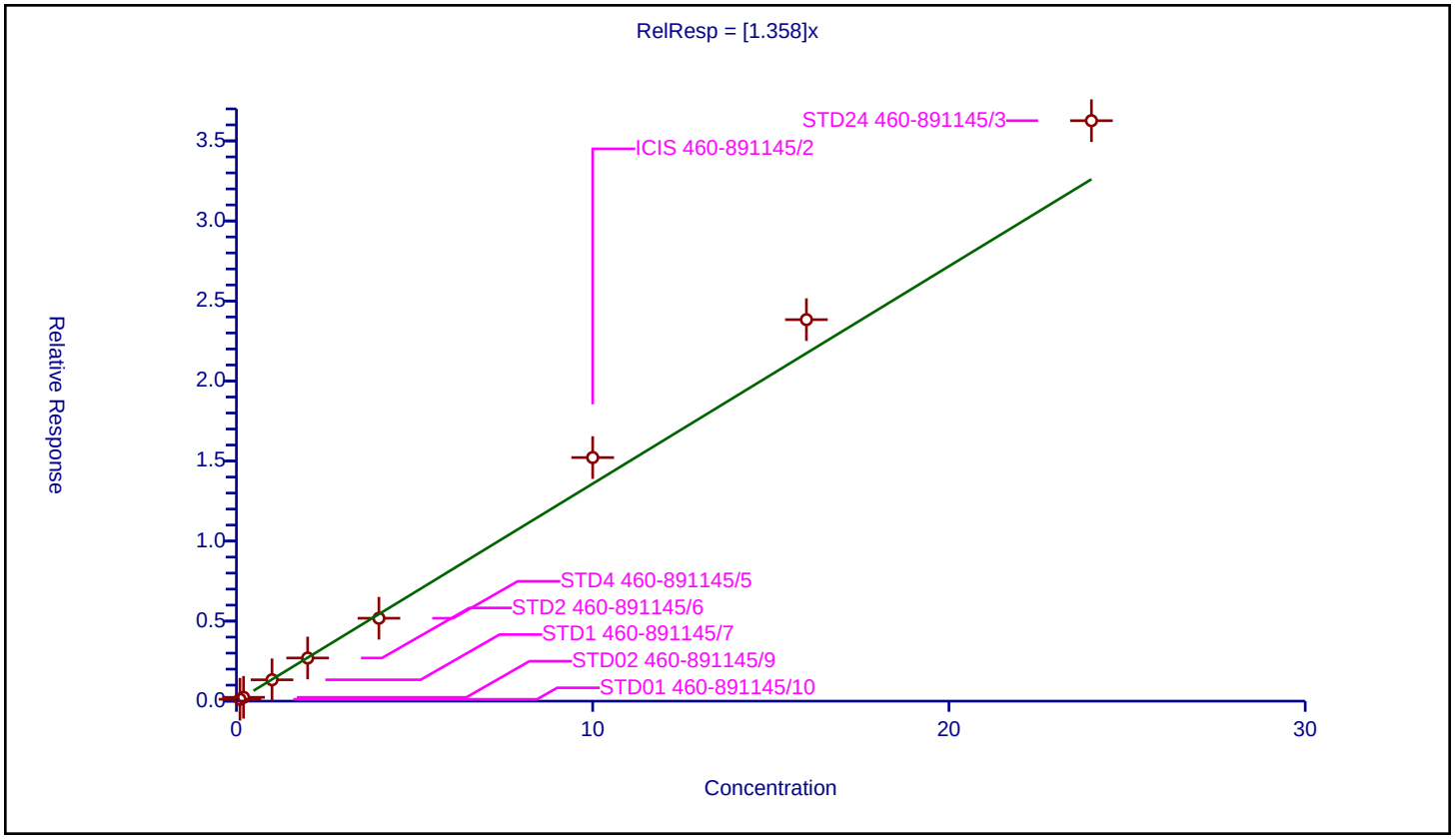
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Standard Error:	856000
Relative Standard Error:	10.1
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-891145/10	0.1	0.117458	8.0	308605.0	1.174576	Y
2	STD02 460-891145/9	0.2	0.23903	8.0	339974.0	1.19515	Y
3	STD1 460-891145/7	1.0	1.333972	8.0	311269.0	1.333972	Y
4	STD2 460-891145/6	2.0	2.694418	8.0	319021.0	1.347209	Y
5	STD4 460-891145/5	4.0	5.178537	8.0	309207.0	1.294634	Y
6	ICIS 460-891145/2	10.0	15.218135	8.0	321539.0	1.521814	Y
7	STD16 460-891145/4	16.0	23.834092	8.0	355716.0	1.489631	Y
8	STD24 460-891145/3	24.0	36.262336	8.0	417281.0	1.510931	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

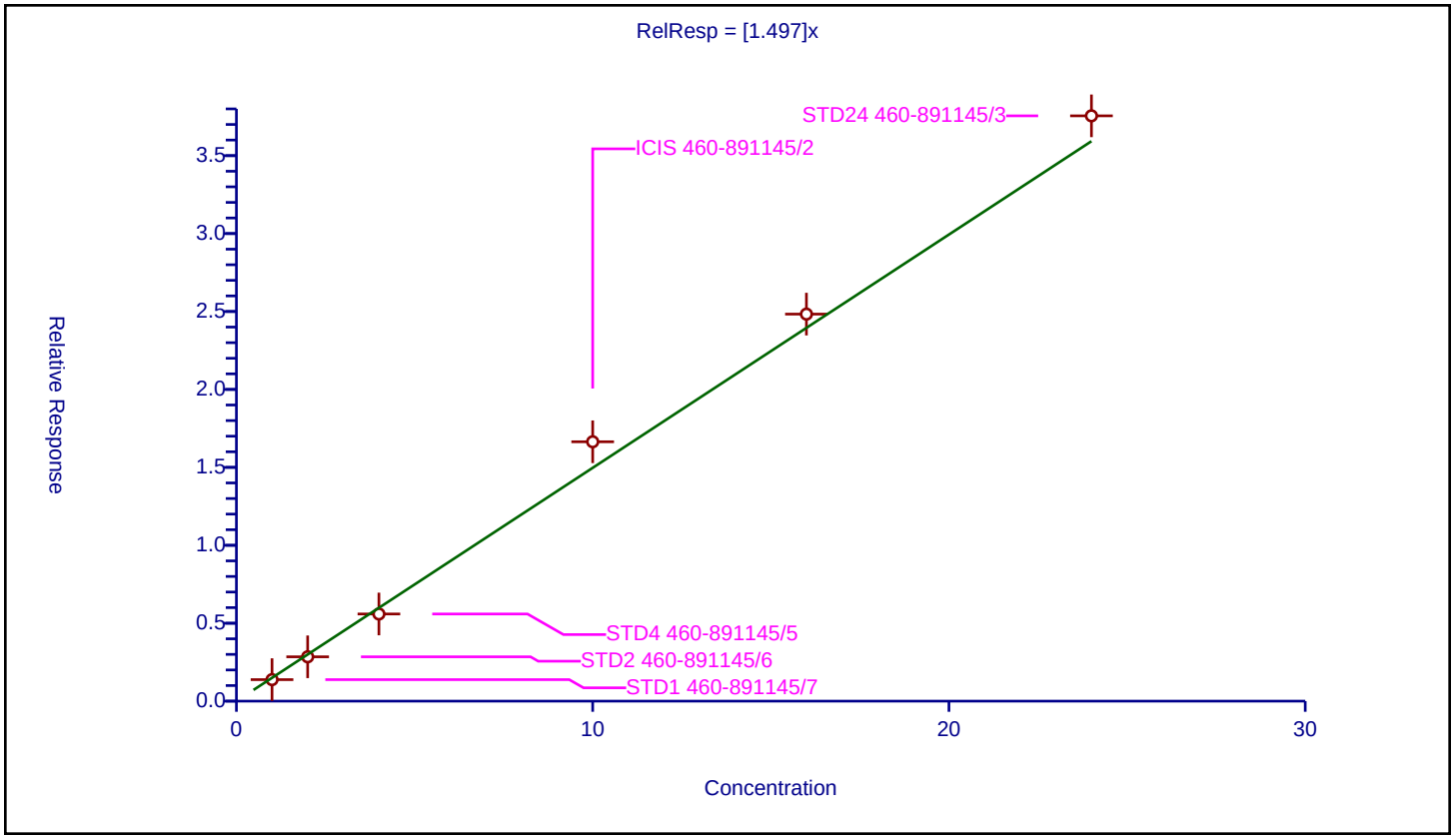
Curve Coefficients

Intercept:	0
Slope:	1.497

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	7.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-891145/7	1.0	1.380054	8.0	311269.0	1.380054	Y
2	STD2 460-891145/6	2.0	2.84375	8.0	319021.0	1.421875	Y
3	STD4 460-891145/5	4.0	5.592758	8.0	309207.0	1.39819	Y
4	ICIS 460-891145/2	10.0	16.642759	8.0	321539.0	1.664276	Y
5	STD16 460-891145/4	16.0	24.832147	8.0	355716.0	1.552009	Y
6	STD24 460-891145/3	24.0	37.554166	8.0	417281.0	1.564757	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-887783/10	A22157.D
Level 2	STD02 460-887783/9	A22156.D
Level 3	STD04 460-887783/8	A22155.D
Level 4	STD1 460-887783/7	A22154.D
Level 5	STD2 460-887783/6	A22153.D
Level 6	STD4 460-887783/5	A22152.D
Level 7	ICIS 460-887783/2	A22149.D
Level 8	STD16 460-887783/4	A22151.D
Level 9	STD24 460-887783/3	A22150.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6797	0.5807	0.6356	0.5659 0.5338	0.6000	Ave		0.5993			0.0100	8.7		20.0			
N-Nitrosodimethylamine	0.9384	0.8909	0.9559	0.7492 0.8571	0.8327	Ave		0.8707			0.0100	8.7		20.0			
Pyridine	0.6468 1.4928	1.0254 1.2598	1.4461	1.2054 1.2864	1.2518	Lin2	-0.140	1.3497			0.0100				0.9950		0.9900
Benzaldehyde	1.1155	1.2111 +++++	1.0379 +++++	1.1996 +++++	1.0643	Ave		1.1257			0.0100	6.9		20.0			
Phenol	1.5532	1.6424	1.5745	1.6371 1.5685	1.6179	Ave		1.5989			0.8000	2.4		20.0			
Aniline	1.9584	2.0560	1.9672	2.0721 1.9708	2.0645	Ave		2.0148			0.0100	2.7		20.0			
Bis(2-chloroethyl)ether	1.3670 1.2267	1.3945 1.3121	1.2610	1.4525 1.2818	1.4096	Ave		1.3381			0.7000	6.0		20.0			
2-Chlorophenol	1.3493	1.3646	1.3607	1.3603 1.3523	1.4044	Ave		1.3653			0.8000	1.5		20.0			
n-Decane	1.3879	1.5540	1.4396	1.5552 1.6298	1.7092	Ave		1.5460			0.0100	7.7		20.0			
1,3-Dichlorobenzene	1.4942	1.5411	1.5302	1.5402 1.5151	1.6384	Ave		1.5432			0.0100	3.2		20.0			
1,4-Dichlorobenzene	1.5720	1.5412	1.5811	1.5977 1.5536	1.6238	Ave		1.5782			0.0100	1.9		20.0			
Benzyl alcohol	0.6859	0.7533	0.7961	0.6466 0.7798	0.7041	Ave		0.7276			0.0100	8.0		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4526	1.4613	1.5262	1.4701 1.2420	1.5573	Ave		1.4516			0.0100	7.6		20.0			
2-Methylphenol	1.1759	1.1193	1.1741	1.1186 0.9528	1.2017	Ave		1.1237			0.7000	8.0		20.0			
2,2'-oxybis[1-chloropropane]	1.7053	1.8867	1.8090	2.0805 1.3841	2.1447	Ave		1.8350			0.0100	15.0		20.0			
N-Methylaniline	1.6300 2.2220	2.0356 2.0005	2.2452	2.0872 1.8626	2.2299	Ave		2.0391			0.0100	10.4		20.0			
N-Nitrosodi-n-propylamine	0.8088 0.9722	1.0804 0.9748	0.9950	1.1360 0.8093	1.0964	Ave		0.9841			0.5000	12.5		20.0			
3 & 4 Methylphenol	1.3716	1.3201	1.4048	1.3275 1.1302	1.5056	Ave		1.3433			0.0100	9.2		20.0			
4-Methylphenol	1.3491	1.2983	1.3885	1.3145 1.1117	1.4527	Ave		1.3191			0.6000	8.8		20.0			
Acetophenone	1.8828	1.8605	1.9184	1.9629 1.5549	2.0666	Ave		1.8744			0.0100	9.2		20.0			
Hexachloroethane	0.5156 0.5558	0.5622 0.5538	0.5828	0.6134 0.4749	0.6110	Ave		0.5587			0.3000	8.4		20.0			
n,n'-Dimethylaniline	2.2612 2.1746	2.0569 2.1408	2.2368	2.0726 1.8655	2.1361	Ave		2.1181			0.0100	5.9		20.0			
Nitrobenzene	0.5965 0.6598	0.5911 0.6577	0.6877	0.6886 0.5545	0.7282	Ave		0.6455			0.2000	9.2		20.0			
Isophorone	0.6059	0.5939 0.6131	0.5783	0.6850 0.6194	0.6567	Ave		0.6217			0.4000	6.0		20.0			
2-Nitrophenol	0.1846	0.1816	0.1735	0.1739 0.1859	0.1841	Ave		0.1806			0.1000	3.1		20.0			
2,4-Dimethylphenol	0.2747	0.2946	0.2753	0.2767 0.2925	0.2941	Ave		0.2846			0.2000	3.5		20.0			
Benzoic acid	0.1597	0.1890	0.1997	0.1170 0.2171	0.1186	Lin1	-0.142	0.2130			0.0100	13.2					
Bis(2-chloroethoxy)methane	0.3741	0.3718	0.3860	0.4271 0.3807	0.4116	Ave		0.3919			0.3000	5.7		20.0			
2,4-Dichlorophenol	0.2821	0.2803	0.2814	0.2691 0.2876	0.2772	Ave		0.2796			0.2000	2.2		20.0			
1,2,4-Trichlorobenzene	0.3065 0.3116	0.3078 0.3302	0.3076	0.3305 0.3160	0.3292	Ave		0.3174			0.0100	3.4		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0364 1.0068	0.9555 1.0017	1.0285	1.0441 0.9864	1.0475	Ave		1.0134			0.7000	3.1		20.0			
4-Chloroaniline	0.3145 0.4024	0.3648 0.4100	0.4187	0.4355 0.4035	0.4247	Ave		0.3968			0.0100	9.9		20.0			
2,6-Dichlorophenol	0.2777	0.2744	0.2769	0.2869 0.2808	0.2798	Ave		0.2794				1.5		20.0			
Hexachlorobutadiene	0.1941 0.2051	0.1794 0.1988	0.1936	0.1913 0.2028	0.1989	Ave		0.1955			0.0100	4.1		20.0			
Caprolactam	0.0851	0.0625 0.0881	0.0790 0.0834	0.0756 0.0866	0.0764	Ave		0.0796			0.0100	10.5		20.0			
4-Chloro-3-methylphenol	0.2688	0.2808	0.2589	0.2558 0.2761	0.2227	Ave		0.2605			0.2000	8.0		20.0			
2-Methylnaphthalene	0.7331	0.7451 0.7445	0.6861	0.7352 0.7165	0.6284	Ave		0.7127			0.4000	6.0		20.0			
1-Methylnaphthalene	0.6672	0.6542 0.6947	0.6388	0.6206 0.6434	0.5781	Ave		0.6424			0.0100	5.7		20.0			
Hexachlorocyclopentadiene	0.3887	0.4700	0.4703	0.4164 0.4216	0.4014	Ave		0.4281			0.0500	8.1		20.0			
1,2,4,5-Tetrachlorobenzene	0.5376	0.6238	0.6157	0.5621 0.5377	0.5686	Ave		0.5743			0.0100	6.5		20.0			
2-tertbutyl-4-methylphenol	0.4582	0.3681 0.4618	0.4293	0.3746 0.4640	0.3595	Ave		0.4165			0.0100	11.4		20.0			
2,4,6-Trichlorophenol	0.3439	0.2814 0.3883	0.3844	0.3324 0.3424	0.3529	Ave		0.3465			0.2000	10.3		20.0			
2,4,5-Trichlorophenol	0.3547	0.4083	0.4064	0.3561 0.3640	0.3373	Ave		0.3711			0.2000	7.9		20.0			
1,1'-Biphenyl	1.3556	1.5146	1.6138	1.4702 1.3671	1.3970	Ave		1.4530			0.0100	6.9		20.0			
2-Chloronaphthalene	1.0074	1.1286	1.1986	1.0967 0.9987	1.0557	Ave		1.0810			0.8000	7.1		20.0			
Phenyl ether	0.7814	0.8308	0.8057	0.7855 0.7892	0.7553	Ave		0.7913			0.0100	3.2		20.0			
2-Nitroaniline	0.3140	0.3399	0.2996	0.2753 0.2966	0.2943	Ave		0.3033			0.0100	7.2		20.0			
1,3-Dimethylnaphthalene	0.8783	0.9920	0.9128	0.8492 0.8901	0.8468	Ave		0.8948			0.0100	6.0		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.1564	1.2343	1.1367	1.1971 1.1132	1.1575	Ave		1.1659			0.0100	3.7		20.0			
Coumarin	0.2593	0.2278	0.1961	0.2001 0.2433	0.1942	Ave		0.2201			0.0100	12.5		20.0			
2,6-Dinitrotoluene	0.2765	0.1766 0.2935	0.2780	0.2739 0.2749	0.2854	Ave		0.2655			0.2000	15.0		20.0			
Acenaphthylene	1.6663	1.7463	1.7303	1.7136 1.6700	1.7379	Ave		1.7107			0.9000	2.0		20.0			
3-Nitroaniline	0.2814	0.3032	0.2781	0.2488 0.2765	0.2697	Ave		0.2763			0.0100	6.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0040	1.1487	1.1320	1.0354 1.1301	1.0016	Ave		1.0753			0.0100	6.4		20.0			
Acenaphthene	1.0121	1.1170	1.0245	1.0342 0.9898	1.0722	Ave		1.0416			0.9000	4.4		20.0			
2,4-Dinitrophenol	0.1692	0.1855	0.1934	0.1173 0.1924	0.1402	Ave		0.1663			0.0100	18.8		20.0			
4-Nitrophenol	0.2297	0.2397	0.2101	0.2027 0.2220	0.2001	Ave		0.2174			0.0100	7.2		20.0			
2,4-Dinitrotoluene	0.3796	0.2799 0.4005	0.3673	0.3401 0.3662	0.3635	Ave		0.3567			0.2000	10.8		20.0			
Dibenzofuran	1.5704	1.6828	1.5781	1.6414 1.5463	1.6463	Ave		1.6109			0.8000	3.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3150	0.3364	0.3232	0.2919 0.3219	0.3184	Ave		0.3178			0.0100	4.6		20.0			
Diethyl phthalate	1.2430	1.2447	1.2355	1.2477 1.1763	1.1931	Ave		1.2234			0.0100	2.5		20.0			
4-Chlorophenyl phenyl ether	0.6258	0.6502	0.6506	0.6657 0.6128	0.6390	Ave		0.6407			0.4000	3.0		20.0			
Fluorene	1.3065	1.3579	1.3527	1.2803 1.2761	1.3369	Ave		1.3184			0.9000	2.7		20.0			
4-Nitroaniline	0.2956	0.3023	0.2990	0.2530 0.2740	0.2799	Ave		0.2840			0.0100	6.6		20.0			
4,6-Dinitro-2-methylphenol	0.1251	0.1286	0.1456	0.1251 0.1339	0.1198	Ave		0.1297			0.0100	7.0		20.0			
N-Nitrosodiphenylamine	0.5213	0.5079	0.5730	0.5929 0.5164	0.5464	Ave		0.5430			0.0100	6.3		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 SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.7563	0.6673	0.6506	0.9022 0.7117	0.8065	Ave		0.7491			0.0100	12.6		20.0			
Azobenzene	0.7552	0.6671	0.6505	0.9022 0.7116	0.8065	Ave		0.7489				12.6		20.0			
4-Bromophenyl phenyl ether	0.2024	0.2292	0.2136	0.2261 0.2179	0.2123	Ave		0.2169			0.1000	4.5		20.0			
Hexachlorobenzene	0.2730 0.2271	0.2539 0.2527	0.2380	0.2810 0.2390	0.2400	Ave		0.2506			0.1000	7.4		20.0			
Atrazine	0.1834	0.1637 0.2046	0.1580 0.2037	0.1975 0.1996	0.1760	Ave		0.1858			0.0100	9.9		20.0			
Pentachlorophenol	0.1234	0.1467	0.1434	0.1350 0.1424	0.1137	Ave		0.1341			0.0500	9.7		20.0			
Pentachloronitrobenzene	0.0904	0.1011	0.0987	0.0997 0.0985	0.0873	Ave		0.0959			0.0100	5.9		20.0			
n-Octadecane	0.4020	0.4718	0.4323	0.4921 0.5395	0.4291	Ave		0.4611			0.0100	10.9		20.0			
Phenanthrene	1.0239	1.0958	1.0379	1.0745 1.0470	1.0338	Ave		1.0521			0.7000	2.6		20.0			
Anthracene	1.0163	1.1212	1.0628	1.0544 1.0232	1.0557	Ave		1.0556			0.7000	3.5		20.0			
Carbazole	0.9010	0.9623	0.9450	0.8398 0.9050	0.8597	Ave		0.9021			0.0100	5.2		20.0			
Di-n-butyl phthalate	1.0560	1.1160	1.2012	0.9496 1.1267	0.8591	Ave		1.0514			0.0100	12.0		20.0			
Fluoranthene	1.0181	0.8619 1.1346	1.1133	1.0945 1.0255	1.0120	Ave		1.0371			0.6000	8.8		20.0			
Benzidine	0.4887	0.5376	0.6091	0.4823 0.5677	0.4415	Ave		0.5212			0.0100	11.9		20.0			
Pyrene	1.6858	1.2040 1.5643	1.3750	1.3807 1.6444	1.5603	Ave		1.4878			0.6000	11.6		20.0			
Bisphenol-A	0.5115	0.5731	0.4857	0.3694 0.7008	0.4526	Lin1	-0.339	0.6259				13.9					
Butyl benzyl phthalate	0.6349	0.6054	0.5170	0.4595 0.6380	0.4628	Ave		0.5529			0.0100	15.1		20.0			
2,3,7,8-TCDD		0.1583				Ave		0.1583			0.0100			20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.5021	0.4973	0.5148	0.2528 0.6402	0.3034	Lin1	-0.453	0.5993			0.0100	13.5					
3,3'-Dichlorobenzidine	0.4215	0.3279 0.4925	0.4733	0.3812 0.4825	0.4065	Ave		0.4265			0.0100	14.2		20.0			
Benzo[a]anthracene	1.3928 1.2044	1.2046 1.2496	1.2229	1.2358 1.2414	1.2334	Ave		1.2481			0.8000	4.9		20.0			
Chrysene	1.1711	1.1419 1.2354	1.1944	1.2246 1.2151	1.2443	Ave		1.2038			0.7000	3.1		20.0			
Bis(2-ethylhexyl) phthalate	0.8123	0.5302 0.7690	0.8160	0.6149 0.9356	0.6935	Ave		0.7388			0.0100	18.5		20.0			
Di-n-octyl phthalate	1.3600	1.5691	1.5336	0.8406 1.5490	1.3646	Lin2	-0.717	1.6031			0.0100				0.9970		0.9900
Benzo[b]fluoranthene	0.7993 1.1783	1.0467 1.2782	1.2164	1.0905 1.2136	1.1267	Ave		1.1187			0.7000	13.3		20.0			
Benzo[k]fluoranthene	0.9875 1.2613	1.0204 1.3572	1.2856	1.2678 1.2598	1.1920	Ave		1.2040			0.7000	10.9		20.0			
Benzo[a]pyrene	0.9135 1.1071	0.9443 1.2481	1.1925	1.0587 1.1765	1.1060	Ave		1.0933			0.7000	10.8		20.0			
Indeno[1,2,3-cd]pyrene	0.6726 0.9817	0.8310 1.1409	1.1119	1.0488 1.0921	0.9652	Ave		0.9805			0.5000	16.2		20.0			
Dibenz(a,h)anthracene	0.8777 1.0267	0.9152 1.2159	1.2078	1.1460 1.1869	1.0784	Ave		1.0818			0.4000	12.2		20.0			
Benzo[g,h,i]perylene	1.0921	1.2408	1.2230	1.1734 1.2054	1.1293	Ave		1.1773			0.5000	4.9		20.0			
2-Fluorophenol (Surr)	1.4872	1.2338 1.4035	1.2624	1.2334 1.2774	1.1527	Ave		1.2929			0.0100	8.8		20.0			
Phenol-d5 (Surr)	1.6613 1.5664	1.5010 1.6115	1.5804	1.5949 1.5771	1.4434	Ave		1.5670			0.0100	4.3		20.0			
Nitrobenzene-d5 (Surr)	0.3415 0.3702	0.3558 0.3666	0.3360	0.3629 0.3744	0.3809	Ave		0.3610			0.0100	4.4		20.0			
2-Fluorobiphenyl	1.4711 1.3215	1.5541 1.4944	1.5371	1.2992 1.3067	1.2542	Ave		1.4048			0.0100	8.6		20.0			
2,4,6-Tribromophenol (Surr)	0.2077	0.1453 0.1962	0.1937	0.1797 0.2075	0.1765	Ave		0.1867			0.0100	11.7		20.0			
Terphenyl-d14 (Surr)	1.1554 1.2949	1.2376 1.2194	1.0222	1.1333 1.3624	1.1804	Ave		1.2007			0.0100	8.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-887783/10	A22157.D
Level 2	STD02 460-887783/9	A22156.D
Level 3	STD04 460-887783/8	A22155.D
Level 4	STD1 460-887783/7	A22154.D
Level 5	STD2 460-887783/6	A22153.D
Level 6	STD4 460-887783/5	A22152.D
Level 7	ICIS 460-887783/2	A22149.D
Level 8	STD16 460-887783/4	A22151.D
Level 9	STD24 460-887783/3	A22150.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave				20840	47088				1.00	2.00
			83429	204344	333347	463040		4.00	10.0	16.0	24.0	
N-Nitrosodimethylamine	DCBd 4	Ave				27589	65352				1.00	2.00
			115187	313509	501339	743477		4.00	10.0	16.0	24.0	
Pyridine	DCBd 4	Lin2	4589	13994		88773	196476	0.200	0.400		2.00	4.00
			366471	886703	1516801	2231854		8.00	20.0	32.0	48.0	
Benzaldehyde	DCBd 4	Ave		8264	14860	44173	83524		0.200	0.400	1.00	2.00
			109537	+++++	+++++	+++++		3.20	+++++	+++++	+++++	
Phenol	DCBd 4	Ave				60285	126973				1.00	2.00
			190644	577979	825746	1360670		4.00	10.0	16.0	24.0	
Aniline	DCBd 4	Ave				76302	162015				1.00	2.00
			240383	723535	1031721	1709608		4.00	10.0	16.0	24.0	
Bis(2-chloroethyl)ether	DCBd 4	Ave	4849	9515		53485	110620	0.100	0.200		1.00	2.00
			150570	461730	661355	1111961		4.00	10.0	16.0	24.0	
2-Chlorophenol	DCBd 4	Ave				50093	110215				1.00	2.00
			165612	480208	713641	1173074		4.00	10.0	16.0	24.0	

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
n-Decane	DCBd 4	Ave	170355	546873	755003	57270 1413847	134131	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd 4	Ave	183404	542333	802507	56717 1314362	128579	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd 4	Ave	192947	542367	829233	58835 1347746	127430	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd 4	Ave	84191	265088	417522	23812 676424	55253	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd 4	Ave	178293	514240	800414	54133 1077398	122210	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd 4	Ave	144339	393905	615753	41191 826540	94303	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	209310	663942	948732	76610 1200683	168314	4.00	10.0	16.0	1.00 24.0	2.00
N-Methylaniline	DCBd 4	Ave	5782 272728	13890 703989	1177503	76860 1615743	174994	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	2869 119326	7372 343034	521812	41832 702077	86043	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd 4	Ave	168348	464561	736735	48882 980447	118159	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd 4	Ave	165591	456881	728232	48405 964388	114006	4.00	10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd 4	Ave	231103	654715	1006109	72283 1348855	162183	4.00	10.0	16.0	1.00 24.0	2.00

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Hexachloroethane	DCBd 4	Ave	1829 68215	3836 194892	305647	22589 411927	47952	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd 4	Ave	8021 266912	14035 753368	1173095	76321 1618282	167640	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene	DCBd 4	Ave	2116 80983	4033 231454	360691	25356 481040	57149	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	300976	15851 842009	1371953	99870 1770335	204394	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	91714	249392	411589	25348 531274	57306	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	136477	404579	653029	40335 835912	91538	4.00	10.0	16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin1	79336	259599	473896	17057 620591	36912	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	185819	510664	915695	62269 1088067	128120	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	140136	385033	667637	39231 822051	86291	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	4392 154780	8214 453463	729823	48184 903054	102478	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	14852 500130	25502 1375706	2440028	152227 2819161	326062	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	4507 199878	9735 563161	993402	63500 1153134	132197	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	137959	376813	656887	41835 802673	87083	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	2781 101891	4789 273050	459368	27897 579563	61914	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Caprolactam	NPT	Ave	33835	1668 48386	4649 59330	11024 66037	23788	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
4-Chloro-3-methylphenol	NPT	Ave	133527	385705	614214	37289 789103	69305	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave		19886		107194	195613		0.200		1.00	2.00

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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			364176	1022500	1627776	2047929		4.00	10.0	16.0	24.0	
1-Methylnaphthalene	NPT	Ave	331424	17460 954050	1515411	90475 1839018	179949	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	128171	353134	567114	34608 761542	68389	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	177283	468648	742463	46719 971302	96886	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	227603	9824 634200	1018603	54611 1326077	111894	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	113408	4631 291730	463460	27630 618431	60126	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	116980	306762	490001	29598 657461	57480	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	447033	1137857	1945973	122202 2469416	238039	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	332224	847862	1445344	91157 1804008	179879	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	257675	624170	971571	65289 1425610	128703	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	103551	255351	361274	22883 535724	50152	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	289635	745242	1100654	70582 1607856	144281	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	381339	927321	1370609	99501 2010796	197236	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	128817	312900	465144	29170 695337	60445	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	91173	2907 220477	335246	22770 496592	48630	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	549496	1311922	2086452	142436 3016685	296127	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	92803	227789	335377	20683 499527	45962	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	331098	862964	1364927	86061 2041398	170669	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave				85966	182692				1.00	2.00

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			333754	839200	1235414	1787940		4.00	10.0	16.0	24.0	
2,4-Dinitrophenol	ANT	Ave	111599	278690	466334	19505 695019	47763	8.00	20.0	32.0	2.00 48.0	4.00
4-Nitrophenol	ANT	Ave	151524	360159	506604	33695 801858	68184	8.00	20.0	32.0	2.00 48.0	4.00
2,4-Dinitrotoluene	ANT	Ave	125170	4607 300890	442943	28266 661451	61943	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenzofuran	ANT	Ave	517873	1264245	1902872	136432 2793100	280522	4.00	10.0	16.0	1.00 24.0	2.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	103874	252692	389719	24266 581519	54249	4.00	10.0	16.0	1.00 24.0	2.00
Diethyl phthalate	ANT	Ave	409926	935116	1489777	103713 2124901	203301	4.00	10.0	16.0	1.00 24.0	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	206381	488462	784462	55330 1106987	108873	4.00	10.0	16.0	1.00 24.0	2.00
Fluorene	ANT	Ave	430851	1020180	1631110	106417 2305043	227801	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitroaniline	ANT	Ave	97466	227079	360581	21027 495028	47689	4.00	10.0	16.0	1.00 24.0	2.00
4,6-Dinitro-2-methylphenol	PHN	Ave	146622	306953	566840	32035 839319	71258	8.00	20.0	32.0	2.00 48.0	4.00
N-Nitrosodiphenylamine	PHN	Ave	305584	606051	1115397	75907 1618899	162487	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Diphenylhydrazine	PHN	Ave	443335	796199	1266308	115509 2231204	239817	4.00	10.0	16.0	1.00 24.0	2.00
Azobenzene	PHN	Ave	442702	795960	1266178	115509 2231073	239817	4.00	10.0	16.0	1.00 24.0	2.00
4-Bromophenyl phenyl ether	PHN	Ave	118630	273495	415852	28950 683290	63120	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobenzene	PHN	Ave	3700 133130	7446 301532	463209	35975 749318	71375	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Atrazine	PHN	Ave	86000	4801 97632	9523 118963	25284 166853	52320	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Pentachlorophenol	PHN	Ave	144685	350072	558350	34573 892702	67636	8.00	20.0	32.0	2.00 48.0	4.00
Pentachloronitrobenzene	PHN	Ave				12762	25959				1.00	2.00

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SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			53004	120583	192045	308925		4.00	10.0	16.0	24.0	
n-Octadecane	PHN	Ave	235634	562997	841402	63000 1691537	127585	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	600185	1307515	2020213	137567 3282494	307411	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	595696	1337874	2068804	134986 3207819	313921	4.00	10.0	16.0	1.00 24.0	2.00
Carbazole	PHN	Ave	528161	1148264	1839539	107513 2837329	255640	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	619009	1331636	2338213	121578 3532367	255453	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	596774	25280 1353844	2167026	140120 3214928	300932	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	286456	641507	1185615	61746 1779949	131291	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	593934	26110 1388516	2243748	144176 3231992	297128	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Lin1	180205	508733	792650	38574 1377465	86190	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	223694	537332	843679	47978 1253981	88131	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		1405					0.100			
Carbamazepine	CRY	Lin1	176900	441453	840139	26398 1258367	57775	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	148488	7110 437144	772364	39807 948395	77403	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	13687 424326	26124 1109182	1995666	129051 2440032	234878	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	412605	24764 1096600	1949043	127874 2388306	236944	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	286176	11499 682572	1331551	64206 1838878	132067	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Lin2	418227	1096598	1889524	82496 2839380	210884	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	7712	21337		107018	174111	0.100	0.200		1.00	2.00

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			362352	893280	1498662	2224444		4.00	10.0	16.0	24.0	
Benzo[k]fluoranthene	PRY	Ave	9528 387878	20802 948451	1584007	124423 2309244	184208	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	8814 340471	19250 872230	1469211	103903 2156570	170925	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	6490 301897	16940 797341	1369994	102925 2001767	149154	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	8469 315726	18658 849721	1488051	112465 2175570	166655	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	335857	867154	1506767	115152 2209498	174524	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd 4	Ave	182545	8419 493899	662073	45418 1108111	90460	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Phenol-d5 (Surr)	DCBd 4	Ave	5893 192267	10242 567101	828840	58732 1368090	113278	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	4894 183889	9496 503508	797029	52908 1070199	118561	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	12425 435800	25580 1122689	1853410	107990 2360288	213712	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	68493	2392 147369	233543	14938 374782	30075	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	11354 456229	26839 1082384	1668089	118342 2677825	224785	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 887783

SDG No.:

Instrument ID: CBNAMS16 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/12/2023 10:16 Calibration End Date: 01/12/2023 13:05 Calibration ID: 92069

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-887783/10	A22157.D
Level 2	STD02 460-887783/9	A22156.D
Level 3	STD04 460-887783/8	A22155.D
Level 4	STD1 460-887783/7	A22154.D
Level 5	STD2 460-887783/6	A22153.D
Level 6	STD4 460-887783/5	A22152.D
Level 7	ICIS 460-887783/2	A22149.D
Level 8	STD16 460-887783/4	A22151.D
Level 9	STD24 460-887783/3	A22150.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Pyridine	-0.4						30					
Benzoic acid				21.4						30		
Bisphenol-A				13.2						30		
Carbamazepine				17.8						30		
Di-n-octyl phthalate				-2.8						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22149.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 12-Jan-2023 10:16:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:52:02 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 13:52:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.974	1.974	0.000	97	204344	10.0	9.69	
	2 N-Nitrosodimethylamine	74	2.201	2.201	0.000	82	313509	10.0	10.2	
	3 Pyridine	79	2.239	2.239	0.000	90	886703	20.0	18.8	
$	4 2-Fluorophenol	112	3.357	3.357	0.000	93	493899	10.0	10.9	
	5 Benzaldehyde	77	4.184	4.184	0.000	96	87654	4.00	2.21	
$	6 Phenol-d5	99	4.236	4.236	0.000	0	567101	10.0	10.3	
	7 Phenol	94	4.248	4.248	0.000	99	577979	10.0	10.3	
	8 Aniline	93	4.284	4.284	0.000	99	723535	10.0	10.2	
	9 Bis(2-chloroethyl)ether	93	4.338	4.338	0.000	96	461730	10.0	9.81	
	10 Benzonitrile	103	4.363	4.363	0.000	99	971234	NC	NC	
	11 2-Chlorophenol	128	4.399	4.399	0.000	95	480208	10.0	10.0	
	12 n-Decane	43	4.427	4.427	0.000	93	546873	10.0	10.1	
	13 1,3-Dichlorobenzene	146	4.542	4.542	0.000	96	542333	10.0	9.99	
*	14 1,4-Dichlorobenzene-d4	152	4.597	4.597	0.000	96	281529	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.613	4.613	0.000	94	542367	10.0	9.77	
	17 Benzyl alcohol	108	4.722	4.722	0.000	93	265088	10.0	10.4	
	18 1,2-Dichlorobenzene	146	4.757	4.757	0.000	95	514240	10.0	10.1	
	19 2-Methylphenol	108	4.824	4.824	0.000	89	393905	10.0	9.96	
	20 2,2'-oxybis[1-chloropropane]	45	4.849	4.849	0.000	91	663942	10.0	10.3	a
	21 N-Methylaniline	106	4.968	4.968	0.000	87	703989	10.0	9.81	
	24 3 & 4 Methylphenol	108	4.971	4.971	0.000	0	464561	10.0	9.83	
	25 4-Methylphenol	108	4.971	4.971	0.000	81	456881	10.0	9.84	
	23 N-Nitrosodi-n-propylamine	70	4.971	4.971	0.000	89	343034	10.0	9.91	
	22 Acetophenone	105	4.977	4.977	0.000	92	654715	10.0	9.93	
	26 Hexachloroethane	117	5.080	5.080	0.000	91	194892	10.0	9.91	
$	27 Nitrobenzene-d5	82	5.121	5.121	0.000	89	503508	10.0	10.2	
	29 n,n'-Dimethylaniline	120	5.140	5.140	0.000	93	753368	10.0	10.1	
	28 Nitrobenzene	123	5.144	5.144	0.000	92	231454	10.0	10.2	
	30 Isophorone	82	5.364	5.364	0.000	99	842009	10.0	9.86	
	31 2-Nitrophenol	139	5.441	5.441	0.000	89	249392	10.0	10.1	
	33 2,4-Dimethylphenol	122	5.479	5.479	0.000	91	404579	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.559	5.559	0.000	87	259599	10.0	9.54	M
34 Bis(2-chloroethoxy)methane	93	5.569	5.569	0.000	100	510664	10.0	9.49	
36 2,4-Dichlorophenol	162	5.671	5.671	0.000	95	385033	10.0	10.0	
37 1,2,4-Trichlorobenzene	180	5.751	5.751	0.000	94	453463	10.0	10.4	
* 38 Naphthalene-d8	136	5.809	5.809	0.000	99	1098734	8.00	8.00	
39 Naphthalene	128	5.828	5.828	0.000	99	1375706	10.0	9.88	
40 4-Chloroaniline	127	5.879	5.879	0.000	98	563161	10.0	10.3	
41 2,6-Dichlorophenol	162	5.885	5.885	0.000	97	376813	10.0	9.82	
43 Hexachlorobutadiene	225	5.940	5.940	0.000	96	273050	10.0	10.2	
44 Caprolactam	113	6.196	6.196	0.000	91	48386	4.00	4.43	M
45 4-Chloro-3-methylphenol	107	6.339	6.339	0.000	97	385705	10.0	10.8	
46 2-Methylnaphthalene	142	6.483	6.483	0.000	86	1022500	10.0	10.4	
47 1-Methylnaphthalene	142	6.579	6.579	0.000	94	954050	10.0	10.8	
48 Hexachlorocyclopentadiene	237	6.630	6.630	0.000	97	353134	10.0	11.0	
49 1,2,4,5-Tetrachlorobenzene	216	6.643	6.643	0.000	97	468648	10.0	10.9	
50 2-tertbutyl-4-methylphenol	149	6.669	6.669	0.000	91	634200	10.0	11.1	
51 2,4,6-Trichlorophenol	196	6.752	6.752	0.000	88	291730	10.0	11.2	
52 2,4,5-Trichlorophenol	196	6.787	6.787	0.000	95	306762	10.0	11.0	
$ 53 2-Fluorobiphenyl	172	6.832	6.832	0.000	97	1122689	10.0	10.6	
54 1,1'-Biphenyl	154	6.925	6.925	0.000	95	1137857	10.0	10.4	
55 2-Chloronaphthalene	162	6.947	6.947	0.000	97	847862	10.0	10.4	
56 Phenyl ether	170	7.027	7.027	0.000	86	624170	10.0	10.5	
57 2-Nitroaniline	65	7.047	7.047	0.000	98	255351	10.0	11.2	
58 1,3-Dimethylnaphthalene	156	7.152	7.152	0.000	93	745242	10.0	11.1	
59 Dimethyl phthalate	163	7.216	7.216	0.000	99	927321	10.0	10.6	
60 Coumarin	146	7.242	7.242	0.000	80	312900	10.0	10.3	
61 2,6-Dinitrotoluene	165	7.274	7.274	0.000	96	220477	10.0	11.1	
62 Acenaphthylene	152	7.341	7.341	0.000	97	1311922	10.0	10.2	
63 3-Nitroaniline	138	7.434	7.434	0.000	95	227789	10.0	11.0	
* 64 Acenaphthene-d10	164	7.472	7.472	0.000	95	601018	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.485	7.485	0.000	98	862964	10.0	10.7	
66 Acenaphthene	154	7.504	7.504	0.000	95	839200	10.0	10.7	
67 2,4-Dinitrophenol	184	7.533	7.533	0.000	97	278690	20.0	22.3	
68 4-Nitrophenol	65	7.597	7.597	0.000	91	360159	20.0	22.1	
69 2,4-Dinitrotoluene	165	7.655	7.655	0.000	97	300890	10.0	11.2	
70 Dibenzofuran	168	7.668	7.668	0.000	96	1264245	10.0	10.4	
71 2,3,4,6-Tetrachlorophenol	232	7.783	7.783	0.000	94	252692	10.0	10.6	
72 Diethyl phthalate	149	7.885	7.885	0.000	98	935116	10.0	10.2	
74 4-Chlorophenyl phenyl ether	204	7.991	7.991	0.000	89	488462	10.0	10.1	
73 Fluorene	166	7.991	7.991	0.000	95	1020180	10.0	10.3	
75 4-Nitroaniline	138	8.013	8.013	0.000	93	227079	10.0	10.6	
76 4,6-Dinitro-2-methylphenol	198	8.039	8.039	0.000	89	306953	20.0	19.8	
78 N-Nitrosodiphenylamine	169	8.103	8.103	0.000	68	606051	10.0	9.35	
79 1,2-Diphenylhydrazine	77	8.141	8.141	0.000	50	796199	10.0	8.91	
144 Azobenzene	77	8.141	8.141	0.000	0	795960	10.0	8.91	
$ 80 2,4,6-Tribromophenol	330	8.218	8.218	0.000	94	147369	10.0	10.5	
81 4-Bromophenyl phenyl ether	248	8.451	8.451	0.000	93	273495	10.0	10.6	
82 Hexachlorobenzene	284	8.509	8.509	0.000	97	301532	10.0	10.1	
83 Atrazine	200	8.605	8.605	0.000	95	97632	4.00	4.40	
84 Pentachlorophenol	266	8.698	8.698	0.000	94	350072	20.0	21.9	
85 Pentachloronitrobenzene	237	8.707	8.707	0.000	89	120583	10.0	10.5	
87 n-Octadecane	57	8.768	8.768	0.000	95	562997	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.877	8.877	0.000	98	954598	8.00	8.00	
89 Phenanthrene	178	8.900	8.900	0.000	97	1307515	10.0	10.4	
90 Anthracene	178	8.951	8.951	0.000	99	1337874	10.0	10.6	
91 Carbazole	167	9.104	9.104	0.000	96	1148264	10.0	10.7	
92 Di-n-butyl phthalate	149	9.430	9.430	0.000	100	1331636	10.0	10.6	
93 Fluoranthene	202	10.025	10.025	0.000	98	1353844	10.0	10.9	
94 Benzidine	184	10.156	10.156	0.000	99	641507	10.0	10.3	
95 Pyrene	202	10.242	10.242	0.000	97	1388516	10.0	10.5	
96 Bisphenol-A	213	10.300	10.300	0.000	98	508733	10.0	9.70	
$ 97 Terphenyl-d14	244	10.396	10.396	0.000	98	1082384	10.0	10.2	
98 Butyl benzyl phthalate	149	10.911	10.911	0.000	98	537332	10.0	10.9	
99 2,3,7,8-TCDD	320	11.007	11.007	0.000	88	1405	0.1000	0.1000	
100 Carbamazepine	193	11.030	11.030	0.000	92	441453	10.0	9.05	
101 3,3'-Dichlorobenzidine	252	11.516	11.516	0.000	99	437144	10.0	11.5	
102 Benzo[a]anthracene	228	11.538	11.538	0.000	98	1109182	10.0	10.0	
* 103 Chrysene-d12	240	11.551	11.551	0.000	99	710102	8.00	8.00	
104 Chrysene	228	11.583	11.583	0.000	100	1096600	10.0	10.3	
105 Bis(2-ethylhexyl) phthalate	149	11.583	11.583	0.000	88	682572	10.0	10.4	
106 Di-n-octyl phthalate	149	12.457	12.457	0.000	97	1096598	10.0	10.2	
107 Benzo[b]fluoranthene	252	12.965	12.965	0.000	98	893280	10.0	11.4	
108 Benzo[k]fluoranthene	252	13.004	13.004	0.000	99	948451	10.0	11.3	
109 Benzo[a]pyrene	252	13.433	13.433	0.000	98	872230	10.0	11.4	
* 110 Perylene-d12	264	13.516	13.516	0.000	98	559080	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.168	15.168	0.000	99	797341	10.0	11.6	
112 Dibenz(a,h)anthracene	278	15.213	15.213	0.000	98	849721	10.0	11.2	
113 Benzo[g,h,i]perylene	276	15.646	15.646	0.000	97	867154	10.0	10.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00007 Amount Added: 1.00 Units: mL

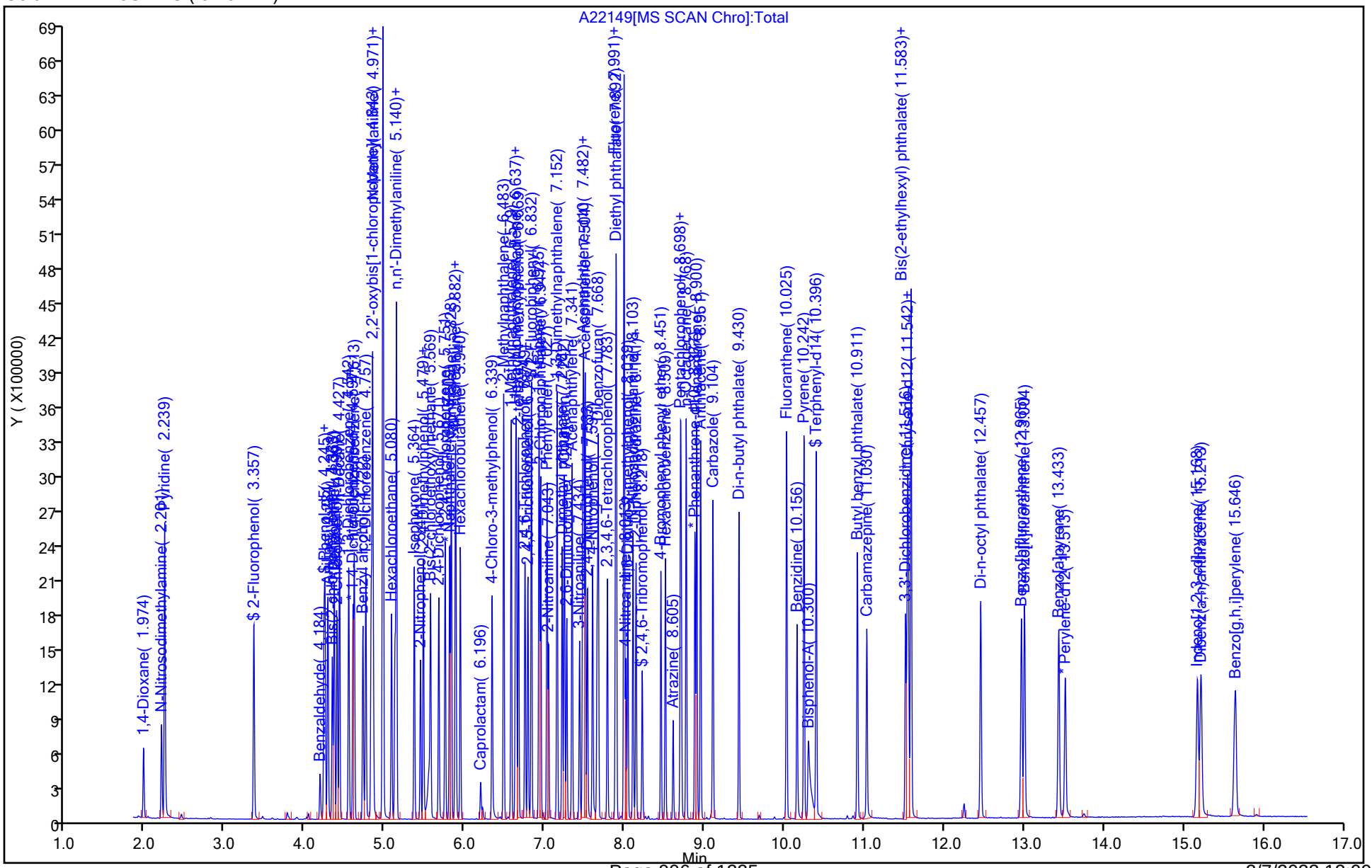
Report Date: 12-Jan-2023 13:52:05 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22149.D

Injection Date:	12-Jan-2023 10:16:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

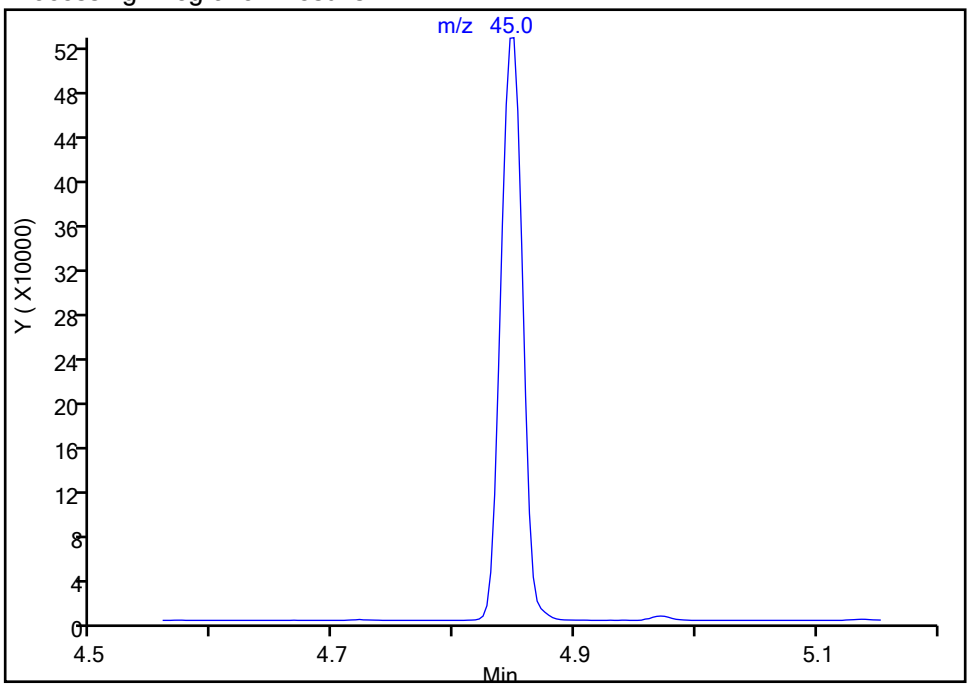
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22149.D
Injection Date: 12-Jan-2023 10:16:30 Instrument ID: CBNAMS16
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

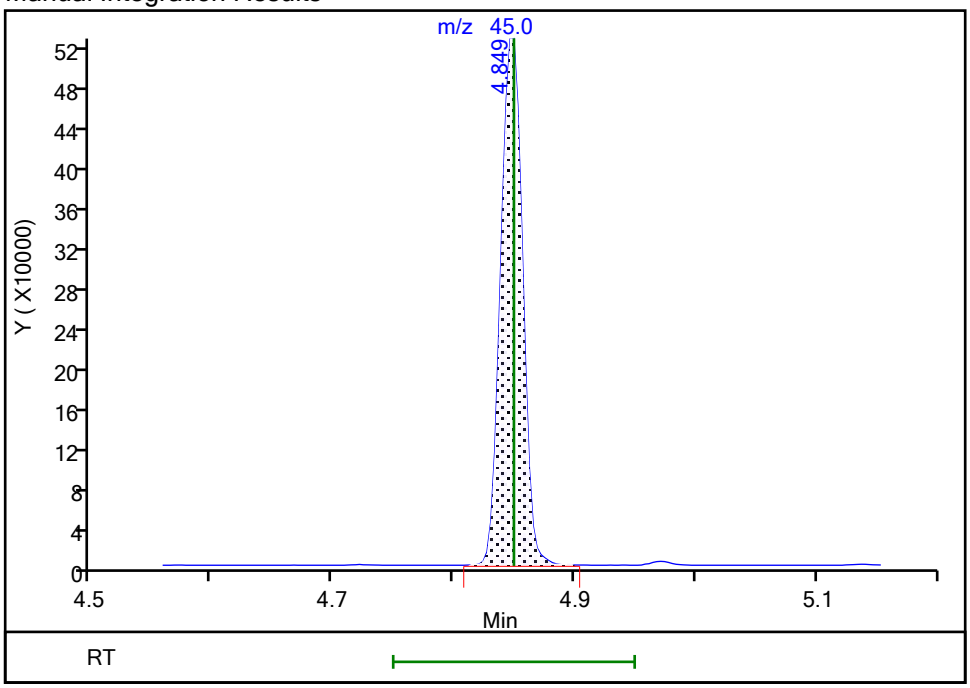
Not Detected
Expected RT: 4.85

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 663942
Amount: 10.281401
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 10:41:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

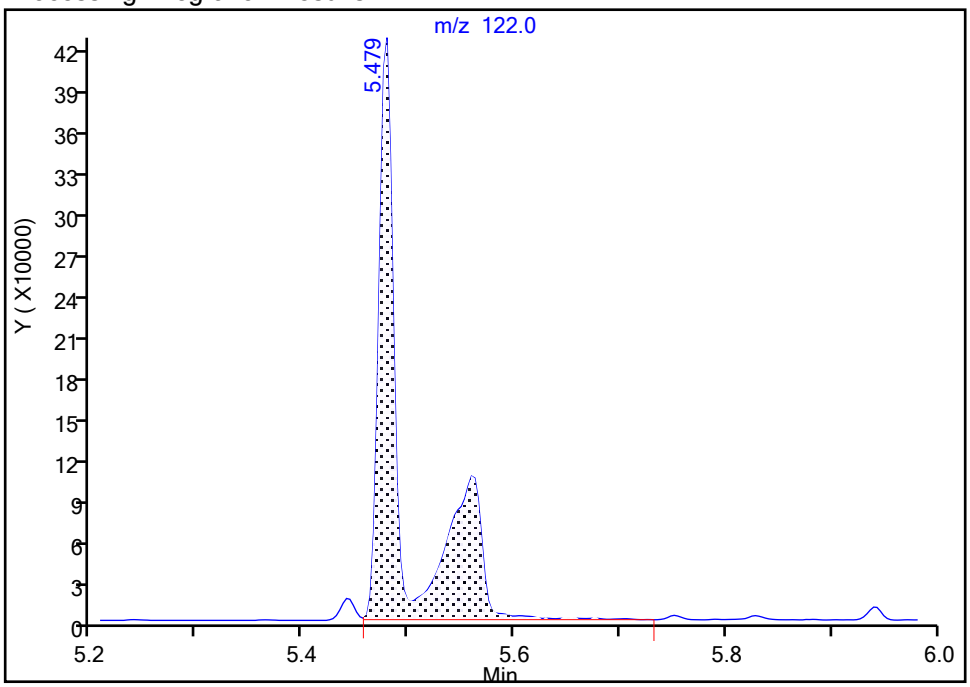
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22149.D
Injection Date: 12-Jan-2023 10:16:30 Instrument ID: CBNAMS16
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

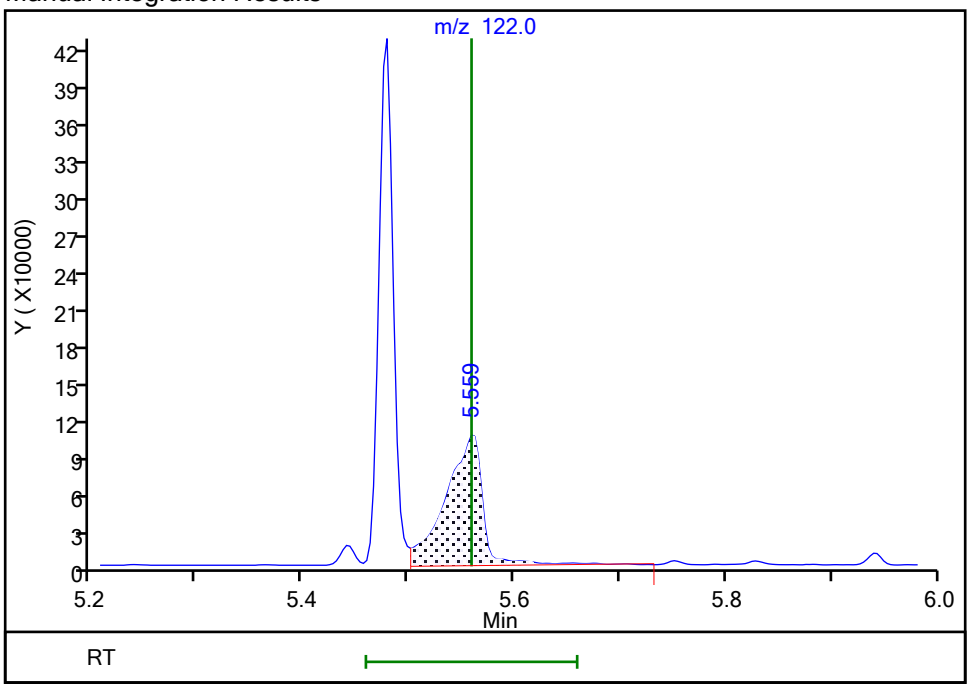
Processing Integration Results

RT: 5.48
Area: 664360
Amount: 10.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.56
Area: 259599
Amount: 9.539638
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 10:42:11
Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

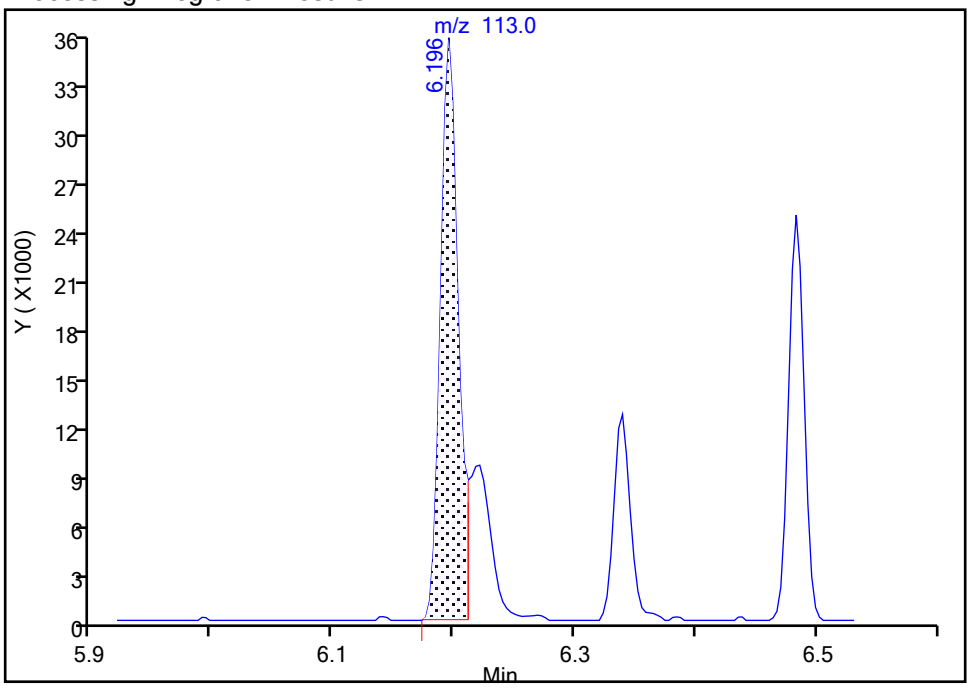
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22149.D
Injection Date: 12-Jan-2023 10:16:30 Instrument ID: CBNAMS16
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

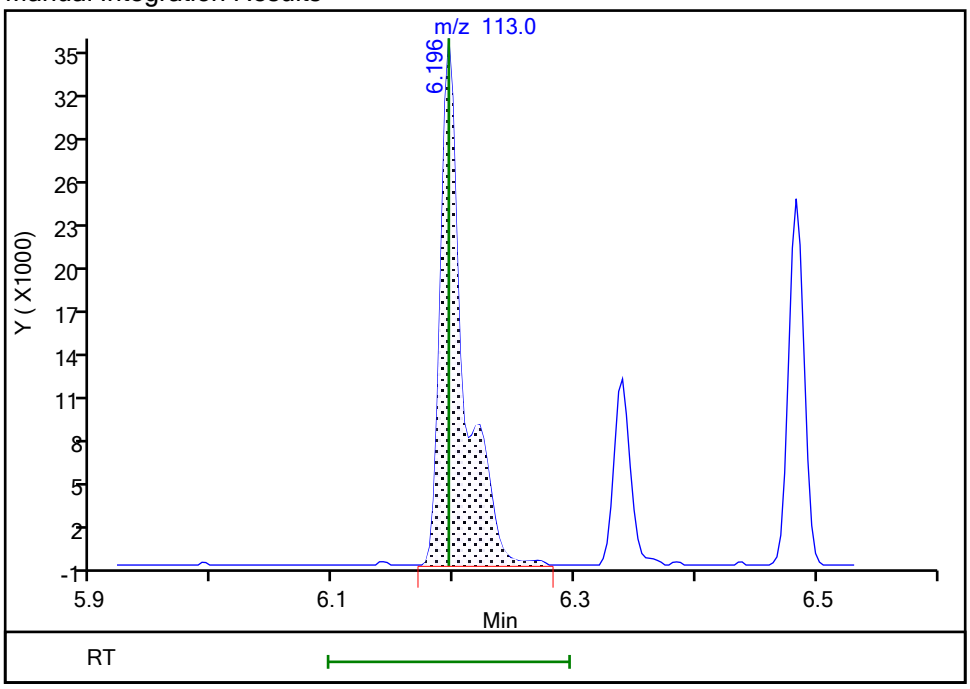
Processing Integration Results

RT: 6.20
Area: 37093
Amount: 4.000000
Amount Units: ug/ml



Manual Integration Results

RT: 6.20
Area: 48386
Amount: 4.426080
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 10:41:57
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 12-Jan-2023 10:37:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-003
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:52:18 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 11:02:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.977	1.974	0.003	98	463040	24.0	21.4	
2 N-Nitrosodimethylamine	74	2.207	2.201	0.006	83	743477	24.0	23.6	
3 Pyridine	79	2.242	2.239	0.003	90	2231854	48.0	45.9	
$ 4 2-Fluorophenol	112	3.357	3.357	0.000	94	1108111	24.0	23.7	
5 Benzaldehyde	77	4.185	4.184	0.001	96	207740	6.40	5.11	
$ 6 Phenol-d5	99	4.239	4.236	0.003	0	1368090	24.0	24.2	
7 Phenol	94	4.255	4.248	0.007	99	1360670	24.0	23.5	
8 Aniline	93	4.284	4.284	0.000	99	1709608	24.0	23.5	
9 Bis(2-chloroethyl)ether	93	4.341	4.338	0.003	97	1111961	24.0	23.0	
10 Benzonitrile	103	4.370	4.363	0.007	99	2346487	NC	NC	
11 2-Chlorophenol	128	4.402	4.399	0.003	95	1173074	24.0	23.8	
12 n-Decane	43	4.428	4.427	0.001	94	1413847	24.0	25.3	
13 1,3-Dichlorobenzene	146	4.546	4.542	0.004	95	1314362	24.0	23.6	
* 14 1,4-Dichlorobenzene-d4	152	4.597	4.597	0.000	97	289160	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.613	4.613	0.000	94	1347746	24.0	23.6	
17 Benzyl alcohol	108	4.725	4.722	0.003	92	676424	24.0	25.7	
18 1,2-Dichlorobenzene	146	4.757	4.757	0.000	96	1077398	24.0	20.5	
19 2-Methylphenol	108	4.828	4.824	0.004	89	826540	24.0	20.3	
20 2,2'-oxybis[1-chloropropane]	45	4.850	4.849	0.001	93	1200683	24.0	18.1	a
21 N-Methylaniline	106	4.968	4.968	0.000	91	1615743	24.0	21.9	a
24 3 & 4 Methylphenol	108	4.978	4.971	0.007	0	980447	24.0	20.2	
25 4-Methylphenol	108	4.978	4.971	0.007	82	964388	24.0	20.2	
23 N-Nitrosodi-n-propylamine	70	4.978	4.971	0.007	87	702077	24.0	19.7	
22 Acetophenone	105	4.981	4.977	0.004	92	1348855	24.0	19.9	
26 Hexachloroethane	117	5.080	5.080	0.000	91	411927	24.0	20.4	
$ 27 Nitrobenzene-d5	82	5.125	5.121	0.004	88	1070199	24.0	24.9	
29 n,n'-Dimethylaniline	120	5.144	5.140	0.004	92	1618282	24.0	21.1	
28 Nitrobenzene	123	5.148	5.144	0.004	92	481040	24.0	20.6	
30 Isophorone	82	5.371	5.364	0.007	99	1770335	24.0	23.9	
31 2-Nitrophenol	139	5.445	5.441	0.004	90	531274	24.0	24.7	
33 2,4-Dimethylphenol	122	5.480	5.479	0.001	91	835912	24.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.595	5.559	0.036	88	620591	24.0	25.1	M
34 Bis(2-chloroethoxy)methane	93	5.570	5.569	0.001	99	1088067	24.0	23.3	
36 2,4-Dichlorophenol	162	5.672	5.671	0.001	95	822051	24.0	24.7	
37 1,2,4-Trichlorobenzene	180	5.752	5.751	0.001	94	903054	24.0	23.9	
* 38 Naphthalene-d8	136	5.806	5.809	-0.003	99	952707	8.00	8.00	
39 Naphthalene	128	5.829	5.828	0.001	99	2819161	24.0	23.4	
40 4-Chloroaniline	127	5.880	5.879	0.001	96	1153134	24.0	24.4	
41 2,6-Dichlorophenol	162	5.886	5.885	0.001	94	802673	24.0	24.1	
43 Hexachlorobutadiene	225	5.941	5.940	0.001	96	579563	24.0	24.9	
44 Caprolactam	113	6.216	6.196	0.020	93	66037	6.40	6.97	M
45 4-Chloro-3-methylphenol	107	6.340	6.339	0.001	96	789103	24.0	25.4	
46 2-Methylnaphthalene	142	6.484	6.483	0.001	86	2047929	24.0	24.1	
47 1-Methylnaphthalene	142	6.577	6.579	-0.002	94	1839018	24.0	24.0	
48 Hexachlorocyclopentadiene	237	6.631	6.630	0.001	96	761542	24.0	23.6	
49 1,2,4,5-Tetrachlorobenzene	216	6.641	6.643	-0.002	98	971302	24.0	22.5	
50 2-tertbutyl-4-methylphenol	149	6.670	6.669	0.001	91	1326077	24.0	26.7	
51 2,4,6-Trichlorophenol	196	6.750	6.752	-0.002	90	618431	24.0	23.7	
52 2,4,5-Trichlorophenol	196	6.785	6.787	-0.002	97	657461	24.0	23.5	
$ 53 2-Fluorobiphenyl	172	6.830	6.832	-0.002	98	2360288	24.0	22.3	
54 1,1'-Biphenyl	154	6.926	6.925	0.001	95	2469416	24.0	22.6	
55 2-Chloronaphthalene	162	6.949	6.947	0.002	97	1804008	24.0	22.2	
56 Phenyl ether	170	7.025	7.027	-0.002	87	1425610	24.0	23.9	
57 2-Nitroaniline	65	7.048	7.047	0.001	96	535724	24.0	23.5	
58 1,3-Dimethylnaphthalene	156	7.153	7.152	0.001	93	1607856	24.0	23.9	
59 Dimethyl phthalate	163	7.221	7.216	0.005	99	2010796	24.0	22.9	
60 Coumarin	146	7.246	7.242	0.004	79	695337	24.0	26.5	
61 2,6-Dinitrotoluene	165	7.278	7.274	0.004	96	496592	24.0	24.8	
62 Acenaphthylene	152	7.342	7.341	0.001	98	3016685	24.0	23.4	
63 3-Nitroaniline	138	7.438	7.434	0.004	95	499527	24.0	24.0	
* 64 Acenaphthene-d10	164	7.473	7.472	0.001	98	602120	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.486	7.485	0.001	97	2041398	24.0	25.2	
66 Acenaphthene	154	7.506	7.504	0.002	94	1787940	24.0	22.8	
67 2,4-Dinitrophenol	184	7.538	7.533	0.005	96	695019	48.0	55.5	
68 4-Nitrophenol	65	7.602	7.597	0.005	91	801858	48.0	49.0	
69 2,4-Dinitrotoluene	165	7.656	7.655	0.001	96	661451	24.0	24.6	
70 Dibenzofuran	168	7.669	7.668	0.001	96	2793100	24.0	23.0	
71 2,3,4,6-Tetrachlorophenol	232	7.784	7.783	0.001	95	581519	24.0	24.3	
72 Diethyl phthalate	149	7.887	7.885	0.002	98	2124901	24.0	23.1	
74 4-Chlorophenyl phenyl ether	204	7.989	7.991	-0.002	89	1106987	24.0	23.0	
73 Fluorene	166	7.992	7.991	0.001	95	2305043	24.0	23.2	
75 4-Nitroaniline	138	8.024	8.013	0.011	90	495028	24.0	23.2	
76 4,6-Dinitro-2-methylphenol	198	8.044	8.039	0.005	89	839319	48.0	49.5	
78 N-Nitrosodiphenylamine	169	8.104	8.103	0.001	74	1618899	24.0	22.8	
79 1,2-Diphenylhydrazine	77	8.143	8.141	0.002	50	2231204	24.0	22.8	
144 Azobenzene	77	8.143	8.141	0.002	0	2231073	24.0	22.8	
$ 80 2,4,6-Tribromophenol	330	8.220	8.218	0.002	95	374782	24.0	26.7	
81 4-Bromophenyl phenyl ether	248	8.453	8.451	0.002	91	683290	24.0	24.1	
82 Hexachlorobenzene	284	8.508	8.509	-0.001	97	749318	24.0	22.9	
83 Atrazine	200	8.607	8.605	0.002	93	166853	6.40	6.87	
84 Pentachlorophenol	266	8.700	8.698	0.002	94	892702	48.0	51.0	
85 Pentachloronitrobenzene	237	8.710	8.707	0.003	88	308925	24.0	24.6	
87 n-Octadecane	57	8.767	8.768	-0.001	95	1691537	24.0	28.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.876	8.877	-0.001	99	1045032	8.00	8.00	
89 Phenanthrene	178	8.902	8.900	0.002	98	3282494	24.0	23.9	
90 Anthracene	178	8.950	8.951	-0.001	99	3207819	24.0	23.3	
91 Carbazole	167	9.104	9.104	0.000	96	2837329	24.0	24.1	
92 Di-n-butyl phthalate	149	9.430	9.430	0.000	99	3532367	24.0	25.7	
93 Fluoranthene	202	10.025	10.025	0.000	97	3214928	24.0	23.7	
94 Benzidine	184	10.156	10.156	0.000	99	1779949	24.0	26.1	
95 Pyrene	202	10.243	10.242	0.001	97	3231992	24.0	26.5	
96 Bisphenol-A	213	10.294	10.300	-0.006	98	1377465	24.0	27.4	
$ 97 Terphenyl-d14	244	10.397	10.396	0.001	98	2677825	24.0	27.2	
98 Butyl benzyl phthalate	149	10.912	10.911	0.001	98	1253981	24.0	27.7	
100 Carbamazepine	193	11.033	11.030	0.003	92	1258367	24.0	26.4	
101 3,3'-Dichlorobenzidine	252	11.517	11.516	0.001	99	948395	24.0	27.2	
102 Benzo[a]anthracene	228	11.539	11.538	0.001	99	2440032	24.0	23.9	
* 103 Chrysene-d12	240	11.552	11.551	0.001	99	655164	8.00	8.00	
104 Chrysene	228	11.584	11.583	0.001	98	2388306	24.0	24.2	
105 Bis(2-ethylhexyl) phthalate	149	11.584	11.583	0.001	88	1838878	24.0	30.4	
106 Di-n-octyl phthalate	149	12.455	12.457	-0.002	97	2839380	24.0	23.6	
107 Benzo[b]fluoranthene	252	12.967	12.965	0.002	98	2224444	24.0	26.0	
108 Benzo[k]fluoranthene	252	13.009	13.004	0.005	99	2309244	24.0	25.1	
109 Benzo[a]pyrene	252	13.435	13.433	0.002	96	2156570	24.0	25.8	
* 110 Perylene-d12	264	13.512	13.516	-0.004	98	610999	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.174	15.168	0.006	99	2001767	24.0	26.7	
112 Dibenz(a,h)anthracene	278	15.219	15.213	0.006	97	2175570	24.0	26.3	
113 Benzo[g,h,i]perylene	276	15.655	15.646	0.009	96	2209498	24.0	24.6	
S 114 Total Cresols	1				0			40.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00005 Amount Added: 1.00 Units: mL

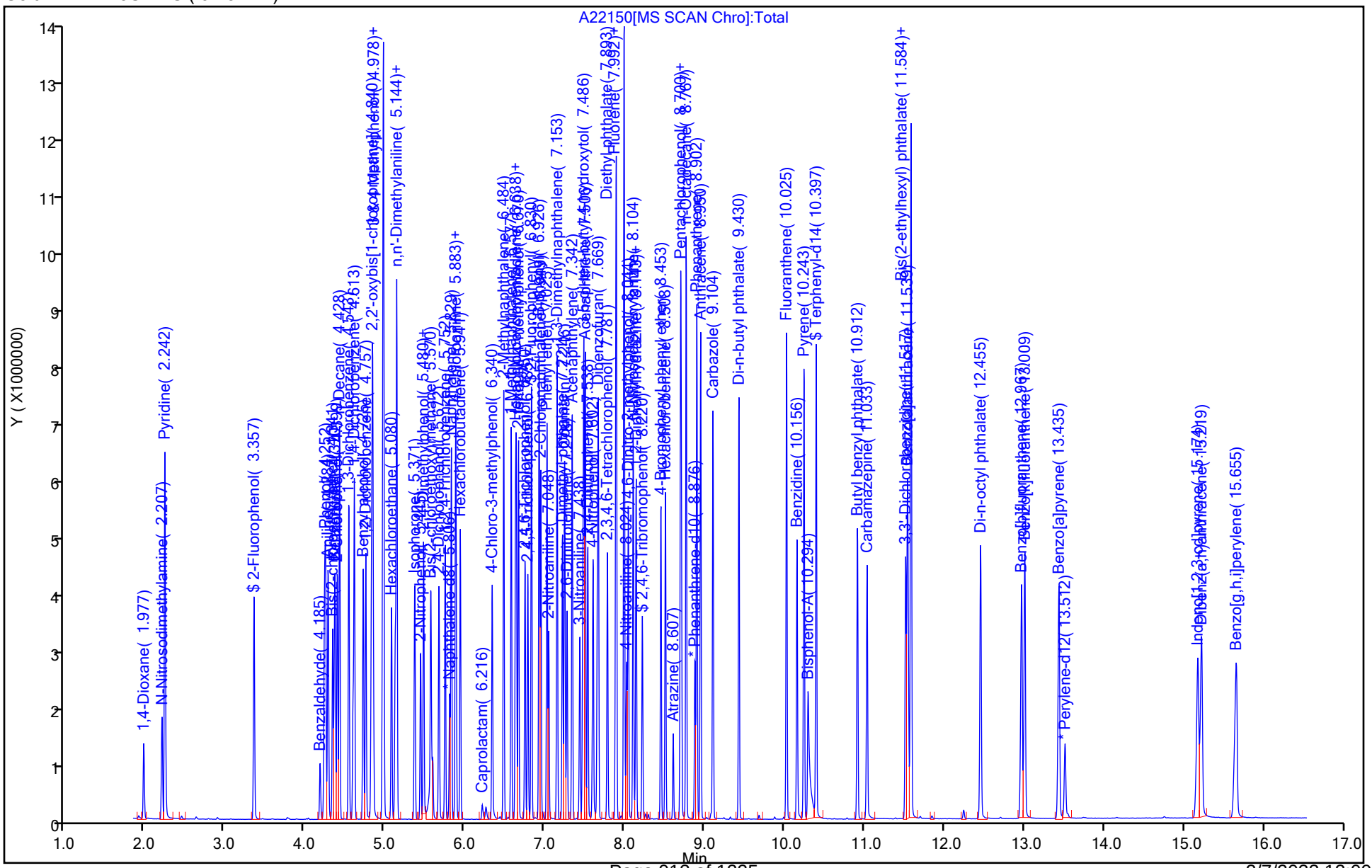
Report Date: 12-Jan-2023 13:52:21 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D

Injection Date:	12-Jan-2023 10:37:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

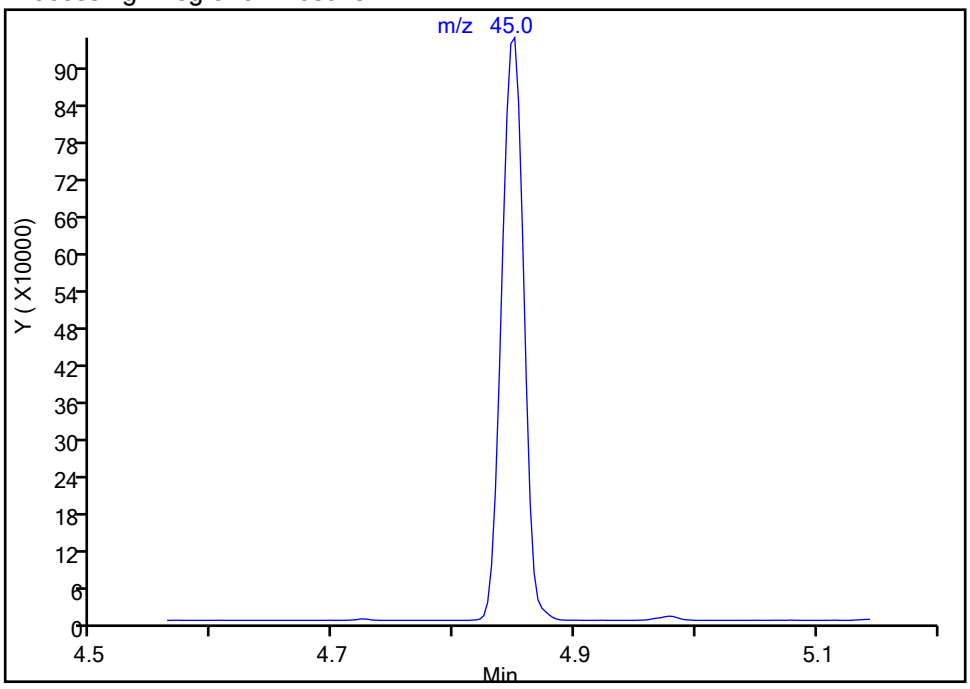
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D
Injection Date: 12-Jan-2023 10:37:30 Instrument ID: CBNAMS16
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

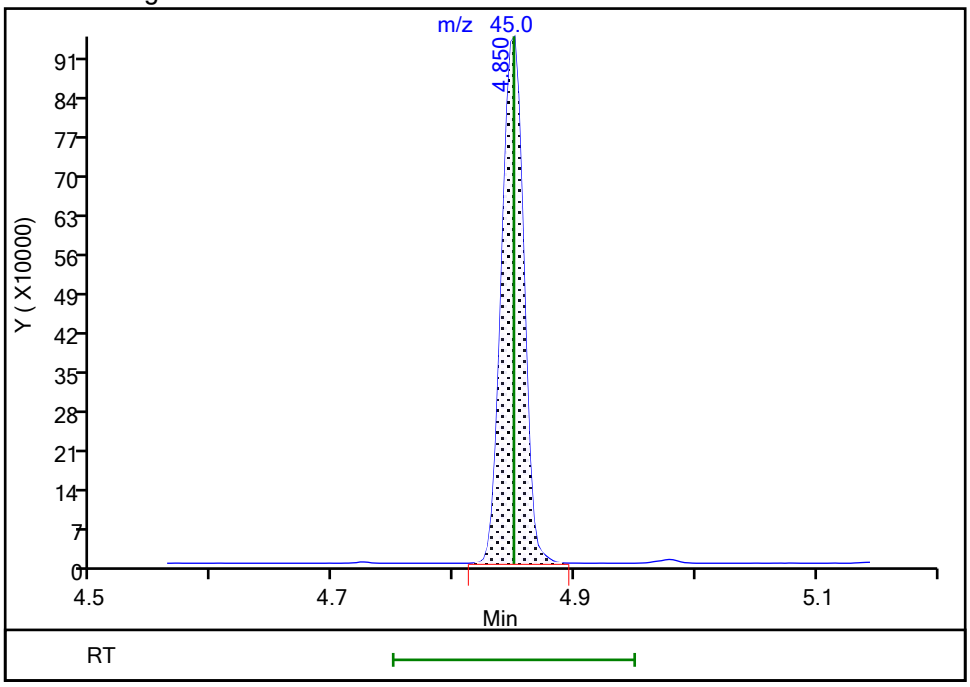
Not Detected
Expected RT: 4.85

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 1200683
Amount: 18.102370
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:02:17
Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

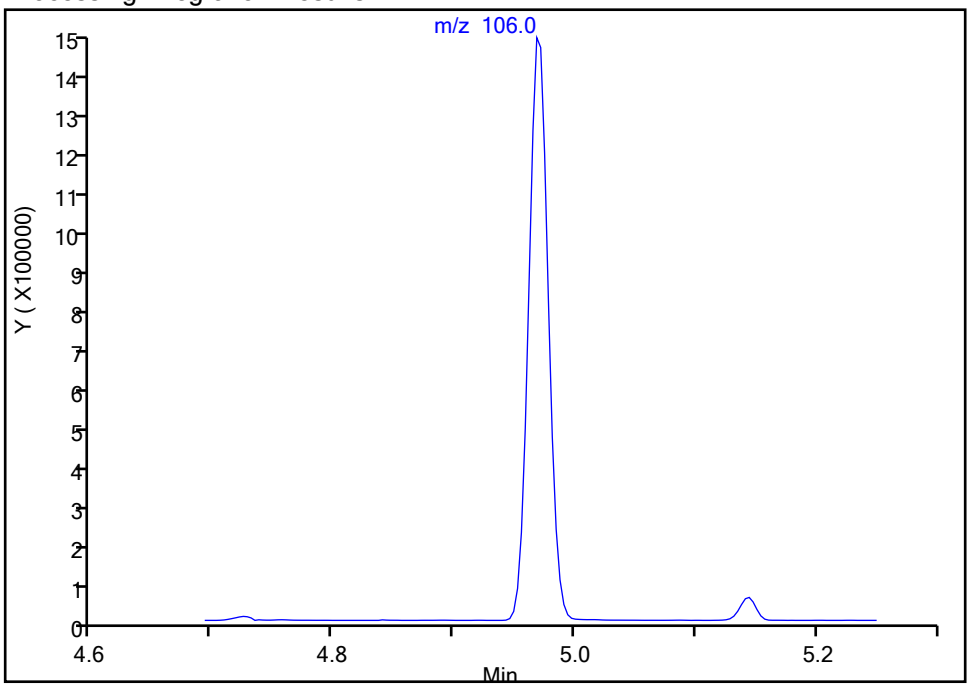
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D
Injection Date: 12-Jan-2023 10:37:30 Instrument ID: CBNAMS16
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Methylaniline, CAS: 100-61-8

Signal: 1

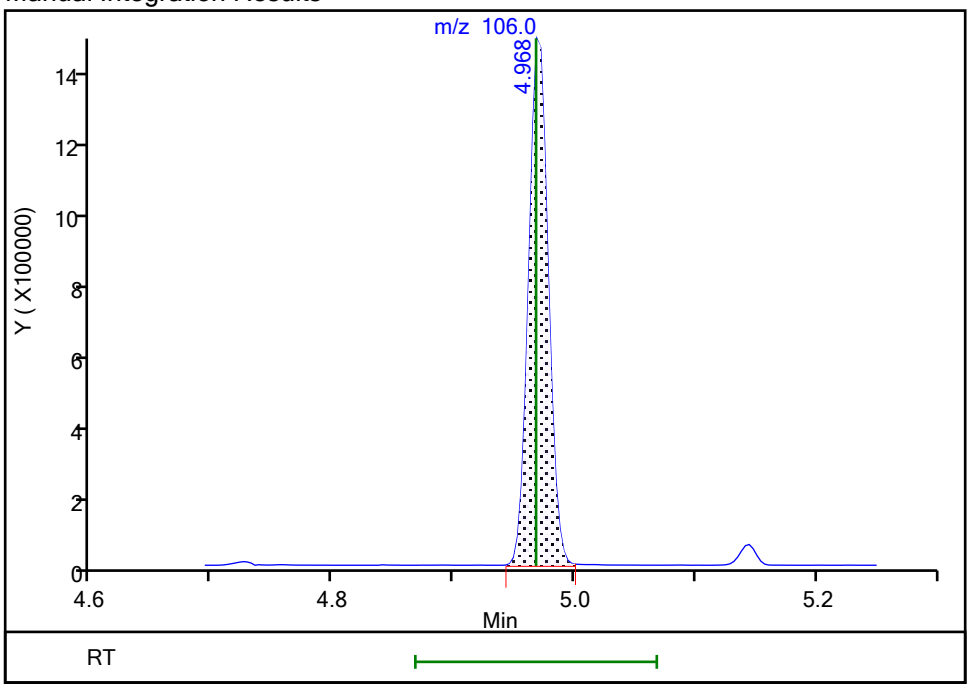
Not Detected
Expected RT: 4.97

Processing Integration Results



Manual Integration Results

RT: 4.97
Area: 1615743
Amount: 21.922149
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:02:14
Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

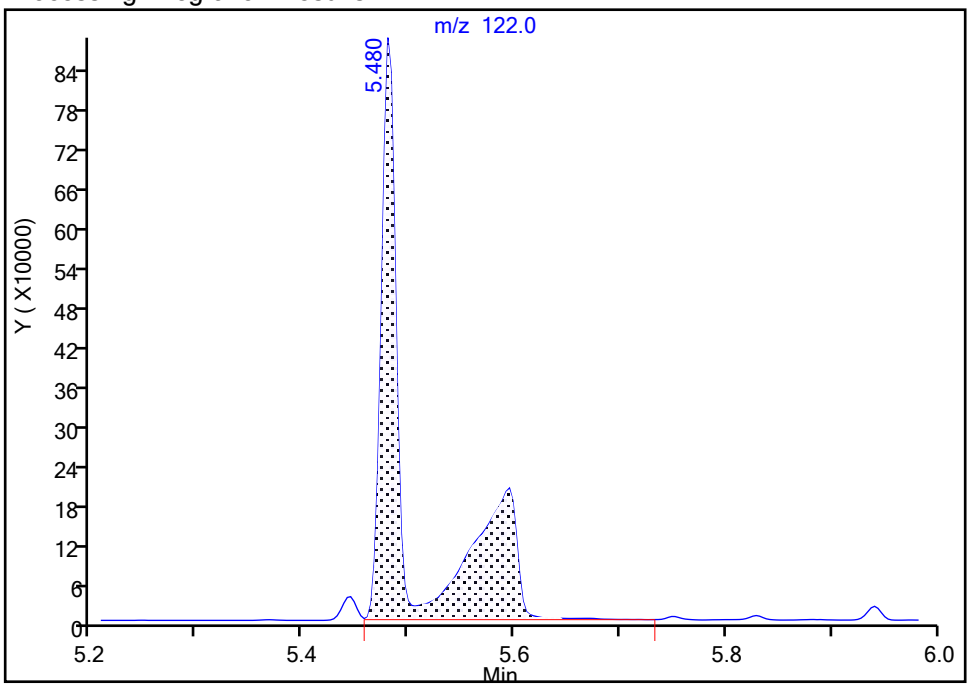
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D
Injection Date: 12-Jan-2023 10:37:30 Instrument ID: CBNAMS16
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

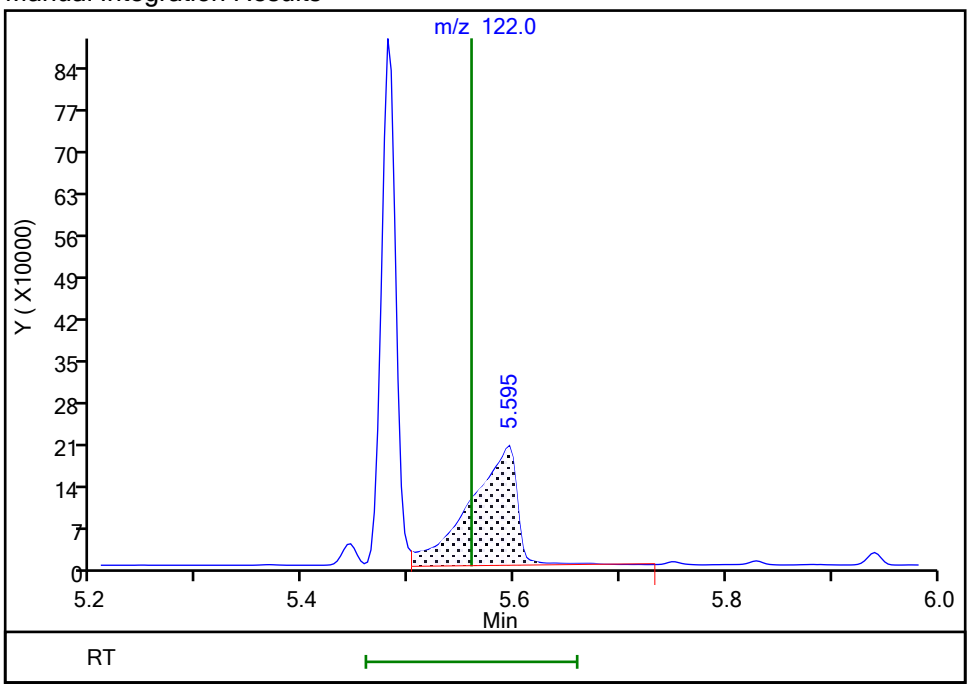
Processing Integration Results

RT: 5.48
Area: 1455938
Amount: 24.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.60
Area: 620591
Amount: 25.132651
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:02:04
Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

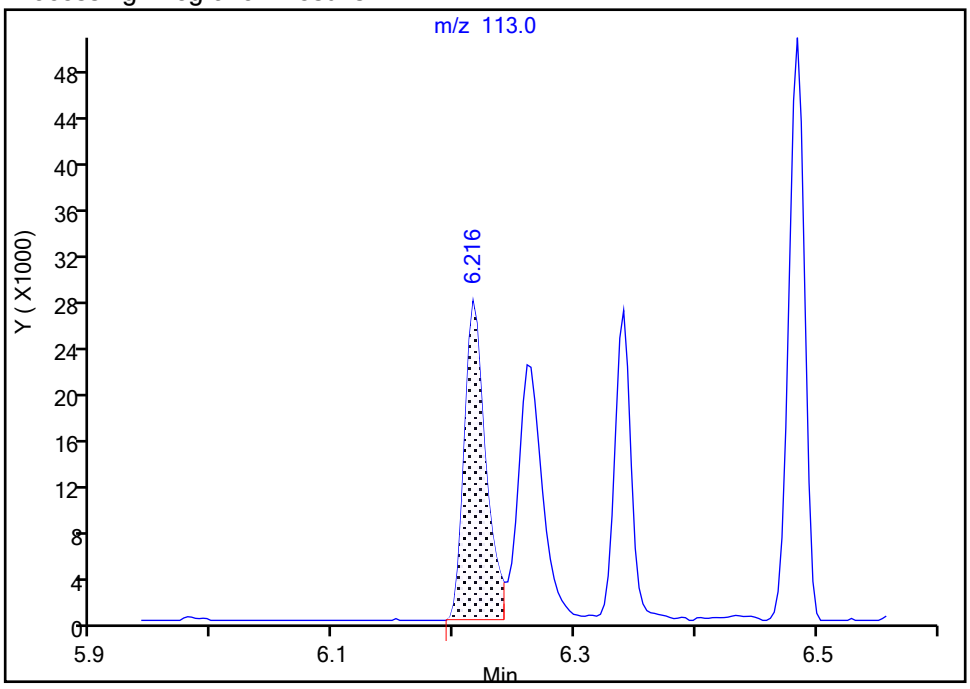
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22150.D
Injection Date: 12-Jan-2023 10:37:30 Instrument ID: CBNAMS16
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

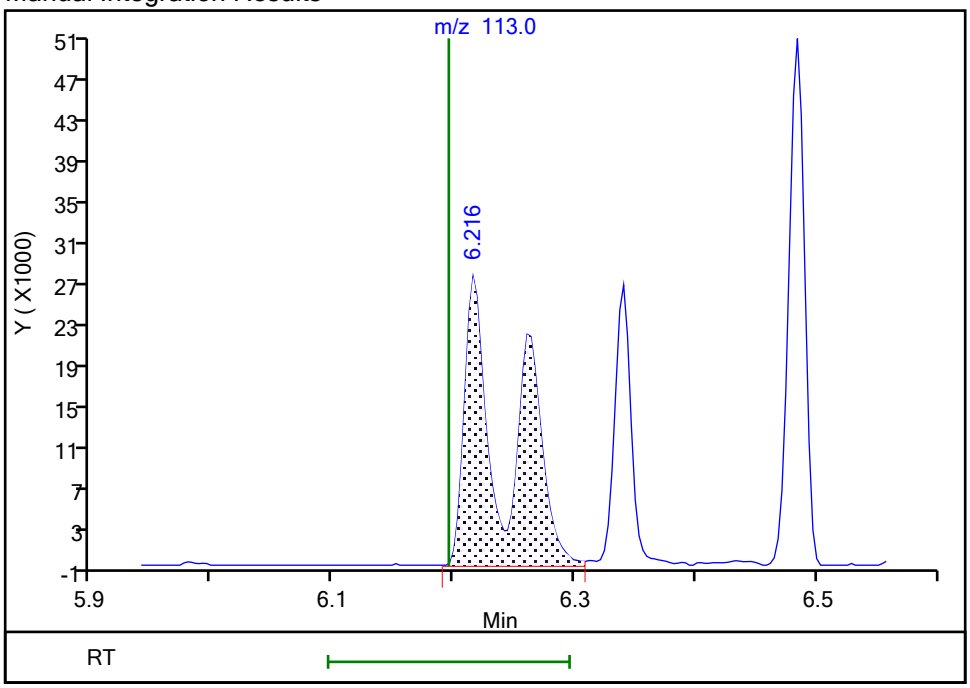
Processing Integration Results

RT: 6.22
Area: 34440
Amount: 4.340246
Amount Units: ug/ml



Manual Integration Results

RT: 6.22
Area: 66037
Amount: 6.966588
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:01:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Jan-2023 10:58:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-004
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:34:57 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 11:20:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.974	1.974	0.000	97	333347	16.0	17.0	
2 N-Nitrosodimethylamine	74	2.201	2.201	0.000	83	501339	16.0	17.6	
3 Pyridine	79	2.236	2.239	-0.003	90	1516801	32.0	34.4	
$ 4 2-Fluorophenol	112	3.354	3.357	-0.003	95	662073	16.0	15.6	
5 Benzaldehyde	77	4.181	4.184	-0.003	95	153372	4.80	4.16	
$ 6 Phenol-d5	99	4.235	4.236	-0.001	0	828840	16.0	16.1	
7 Phenol	94	4.248	4.248	0.000	99	825746	16.0	15.8	
8 Aniline	93	4.283	4.284	-0.001	99	1031721	16.0	15.6	
9 Bis(2-chloroethyl)ether	93	4.338	4.338	0.000	98	661355	16.0	15.1	
10 Benzonitrile	103	4.363	4.363	0.000	99	1394958	NC	NC	
11 2-Chlorophenol	128	4.399	4.399	0.000	96	713641	16.0	15.9	
12 n-Decane	43	4.427	4.427	0.000	92	755003	16.0	14.9	
13 1,3-Dichlorobenzene	146	4.542	4.542	0.000	95	802507	16.0	15.9	
* 14 1,4-Dichlorobenzene-d4	152	4.597	4.597	0.000	96	262229	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.613	4.613	0.000	95	829233	16.0	16.0	
17 Benzyl alcohol	108	4.721	4.722	-0.001	93	417522	16.0	17.5	
18 1,2-Dichlorobenzene	146	4.757	4.757	0.000	95	800414	16.0	16.8	
19 2-Methylphenol	108	4.824	4.824	0.000	89	615753	16.0	16.7	
20 2,2'-oxybis[1-chloropropane]	45	4.846	4.849	-0.003	93	948732	16.0	15.8	a
21 N-Methylaniline	106	4.968	4.968	0.000	93	1177503	16.0	17.6	a
24 3 & 4 Methylphenol	108	4.974	4.971	0.003	0	736735	16.0	16.7	
25 4-Methylphenol	108	4.974	4.971	0.003	82	728232	16.0	16.8	
23 N-Nitrosodi-n-propylamine	70	4.974	4.971	0.003	84	521812	16.0	16.2	
22 Acetophenone	105	4.977	4.977	0.000	92	1006109	16.0	16.4	
26 Hexachloroethane	117	5.080	5.080	0.000	92	305647	16.0	16.7	
$ 27 Nitrobenzene-d5	82	5.124	5.121	0.003	88	797029	16.0	14.9	
29 n,n'-Dimethylaniline	120	5.140	5.140	0.000	93	1173095	16.0	16.9	
28 Nitrobenzene	123	5.144	5.144	0.000	92	360691	16.0	17.0	
30 Isophorone	82	5.364	5.364	0.000	99	1371953	16.0	14.9	
31 2-Nitrophenol	139	5.441	5.441	0.000	89	411589	16.0	15.4	
33 2,4-Dimethylphenol	122	5.479	5.479	0.000	90	653029	16.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.575	5.559	0.016	88	473896	16.0	15.7	M
34 Bis(2-chloroethoxy)methane	93	5.569	5.569	0.000	99	915695	16.0	15.8	
36 2,4-Dichlorophenol	162	5.671	5.671	0.000	94	667637	16.0	16.1	
37 1,2,4-Trichlorobenzene	180	5.751	5.751	0.000	94	729823	16.0	15.5	
* 38 Naphthalene-d8	136	5.806	5.809	-0.003	100	1186225	8.00	8.00	
39 Naphthalene	128	5.828	5.828	0.000	99	2440028	16.0	16.2	
40 4-Chloroaniline	127	5.879	5.879	0.000	96	993402	16.0	16.9	
41 2,6-Dichlorophenol	162	5.886	5.885	0.001	96	656887	16.0	15.9	
43 Hexachlorobutadiene	225	5.940	5.940	0.000	96	459368	16.0	15.8	
44 Caprolactam	113	6.202	6.196	0.006	89	59330	4.80	5.03	M
45 4-Chloro-3-methylphenol	107	6.337	6.339	-0.002	96	614214	16.0	15.9	
46 2-Methylnaphthalene	142	6.484	6.483	0.001	86	1627776	16.0	15.4	
47 1-Methylnaphthalene	142	6.577	6.579	-0.002	94	1515411	16.0	15.9	
48 Hexachlorocyclopentadiene	237	6.631	6.630	0.001	97	567114	16.0	17.6	
49 1,2,4,5-Tetrachlorobenzene	216	6.641	6.643	-0.002	97	742463	16.0	17.2	
50 2-tertbutyl-4-methylphenol	149	6.666	6.669	-0.003	91	1018603	16.0	16.5	
51 2,4,6-Trichlorophenol	196	6.750	6.752	-0.002	90	463460	16.0	17.7	
52 2,4,5-Trichlorophenol	196	6.785	6.787	-0.002	96	490001	16.0	17.5	
$ 53 2-Fluorobiphenyl	172	6.830	6.832	-0.002	98	1853410	16.0	17.5	
54 1,1'-Biphenyl	154	6.926	6.925	0.001	95	1945973	16.0	17.8	
55 2-Chloronaphthalene	162	6.945	6.947	-0.002	97	1445344	16.0	17.7	
56 Phenyl ether	170	7.025	7.027	-0.002	85	971571	16.0	16.3	
57 2-Nitroaniline	65	7.044	7.047	-0.003	96	361274	16.0	15.8	
58 1,3-Dimethylnaphthalene	156	7.150	7.152	-0.002	93	1100654	16.0	16.3	
59 Dimethyl phthalate	163	7.217	7.216	0.001	99	1370609	16.0	15.6	
60 Coumarin	146	7.243	7.242	0.001	79	465144	16.0	14.3	
61 2,6-Dinitrotoluene	165	7.275	7.274	0.001	96	335246	16.0	16.8	
62 Acenaphthylene	152	7.339	7.341	-0.002	98	2086452	16.0	16.2	
63 3-Nitroaniline	138	7.435	7.434	0.001	95	335377	16.0	16.1	
* 64 Acenaphthene-d10	164	7.473	7.472	0.001	98	602908	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.486	7.485	0.001	97	1364927	16.0	16.8	
66 Acenaphthene	154	7.502	7.504	-0.002	95	1235414	16.0	15.7	
67 2,4-Dinitrophenol	184	7.534	7.533	0.001	97	466334	32.0	37.2	
68 4-Nitrophenol	65	7.598	7.597	0.001	92	506604	32.0	30.9	
69 2,4-Dinitrotoluene	165	7.652	7.655	-0.003	96	442943	16.0	16.5	
70 Dibenzofuran	168	7.665	7.668	-0.003	96	1902872	16.0	15.7	
71 2,3,4,6-Tetrachlorophenol	232	7.780	7.783	-0.003	94	389719	16.0	16.3	
72 Diethyl phthalate	149	7.883	7.885	-0.002	98	1489777	16.0	16.2	
74 4-Chlorophenyl phenyl ether	204	7.989	7.991	-0.002	88	784462	16.0	16.2	
73 Fluorene	166	7.992	7.991	0.001	95	1631110	16.0	16.4	
75 4-Nitroaniline	138	8.018	8.013	0.005	89	360581	16.0	16.8	
76 4,6-Dinitro-2-methylphenol	198	8.040	8.039	0.001	87	566840	32.0	35.9	
78 N-Nitrosodiphenylamine	169	8.104	8.103	0.001	77	1115397	16.0	16.9	
79 1,2-Diphenylhydrazine	77	8.139	8.141	-0.002	50	1266308	16.0	13.9	
144 Azobenzene	77	8.139	8.141	-0.002	0	1266178	16.0	13.9	
$ 80 2,4,6-Tribromophenol	330	8.219	8.218	0.001	94	233543	16.0	16.6	
81 4-Bromophenyl phenyl ether	248	8.453	8.451	0.002	92	415852	16.0	15.8	
82 Hexachlorobenzene	284	8.507	8.509	-0.002	97	463209	16.0	15.2	
83 Atrazine	200	8.603	8.605	-0.002	94	118963	4.80	5.26	
84 Pentachlorophenol	266	8.696	8.698	-0.002	94	558350	32.0	34.2	
85 Pentachloronitrobenzene	237	8.706	8.707	-0.001	88	192045	16.0	16.5	
87 n-Octadecane	57	8.767	8.768	-0.001	95	841402	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.875	8.877	-0.002	98	973251	8.00	8.00	
89 Phenanthrene	178	8.901	8.900	0.001	97	2020213	16.0	15.8	
90 Anthracene	178	8.949	8.951	-0.002	99	2068804	16.0	16.1	
91 Carbazole	167	9.103	9.104	-0.001	96	1839539	16.0	16.8	
92 Di-n-butyl phthalate	149	9.426	9.430	-0.004	99	2338213	16.0	18.3	
93 Fluoranthene	202	10.024	10.025	-0.001	98	2167026	16.0	17.2	
94 Benzidine	184	10.155	10.156	-0.001	99	1185615	16.0	18.7	
95 Pyrene	202	10.241	10.242	-0.001	97	2243748	16.0	14.8	
96 Bisphenol-A	213	10.293	10.300	-0.007	98	792650	16.0	13.0	
$ 97 Terphenyl-d14	244	10.395	10.396	-0.001	98	1668089	16.0	13.6	
98 Butyl benzyl phthalate	149	10.910	10.911	-0.001	98	843679	16.0	15.0	
100 Carbamazepine	193	11.029	11.030	-0.001	92	840139	16.0	14.5	
101 3,3'-Dichlorobenzidine	252	11.512	11.516	-0.004	100	772364	16.0	17.8	
102 Benzo[a]anthracene	228	11.534	11.538	-0.004	99	1995666	16.0	15.7	
* 103 Chrysene-d12	240	11.547	11.551	-0.004	99	815932	8.00	8.00	
104 Chrysene	228	11.579	11.583	-0.004	99	1949043	16.0	15.9	
105 Bis(2-ethylhexyl) phthalate	149	11.583	11.583	0.000	89	1331551	16.0	17.7	
106 Di-n-octyl phthalate	149	12.453	12.457	-0.004	97	1889524	16.0	15.8	
107 Benzo[b]fluoranthene	252	12.962	12.965	-0.003	98	1498662	16.0	17.4	
108 Benzo[k]fluoranthene	252	13.004	13.004	0.000	99	1584007	16.0	17.1	
109 Benzo[a]pyrene	252	13.430	13.433	-0.003	97	1469211	16.0	17.5	
* 110 Perylene-d12	264	13.510	13.516	-0.006	98	616036	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.169	15.168	0.001	99	1369994	16.0	18.1	
112 Dibenz(a,h)anthracene	278	15.214	15.213	0.001	98	1488051	16.0	17.9	
113 Benzo[g,h,i]perylene	276	15.646	15.646	0.000	97	1506767	16.0	16.6	
S 114 Total Cresols	1				0			33.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 12-Jan-2023 13:35:00 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D

Injection Date: 12-Jan-2023 10:58:30 Instrument ID: CBNAMS16 Operator ID:

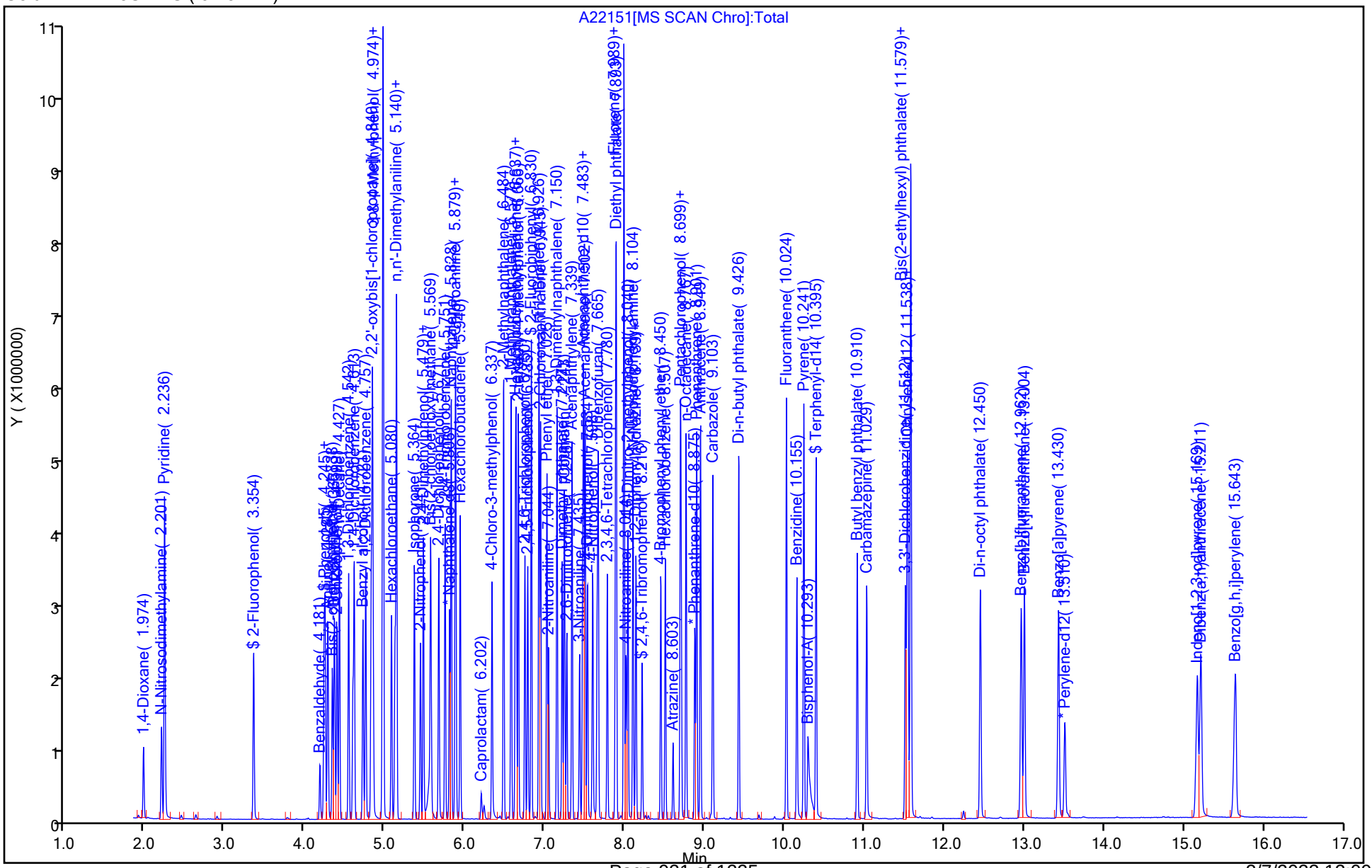
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_16 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

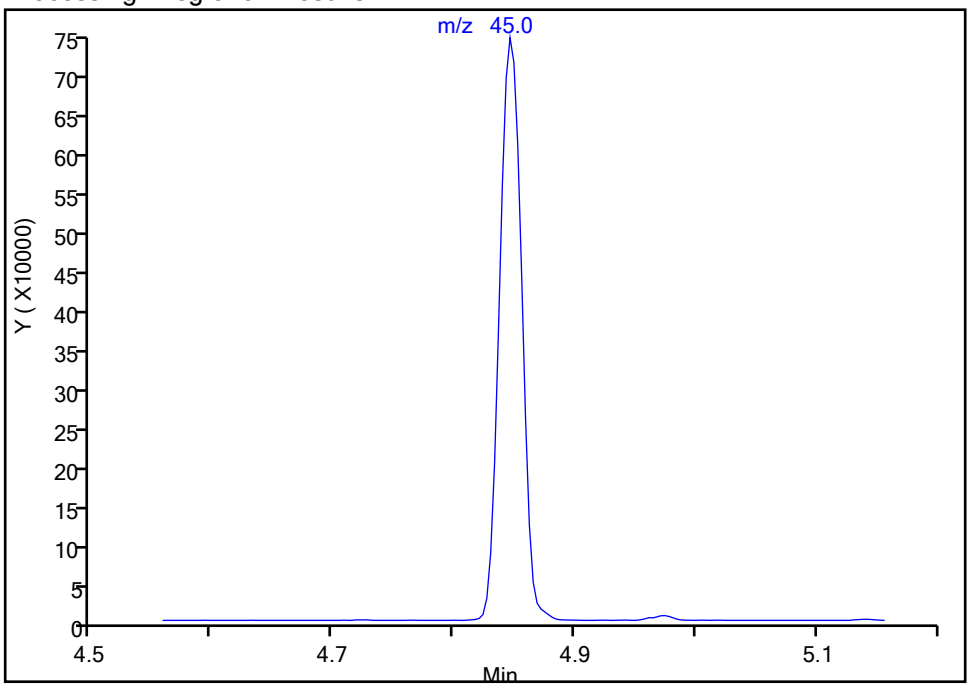
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D
Injection Date: 12-Jan-2023 10:58:30 Instrument ID: CBNAMS16
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

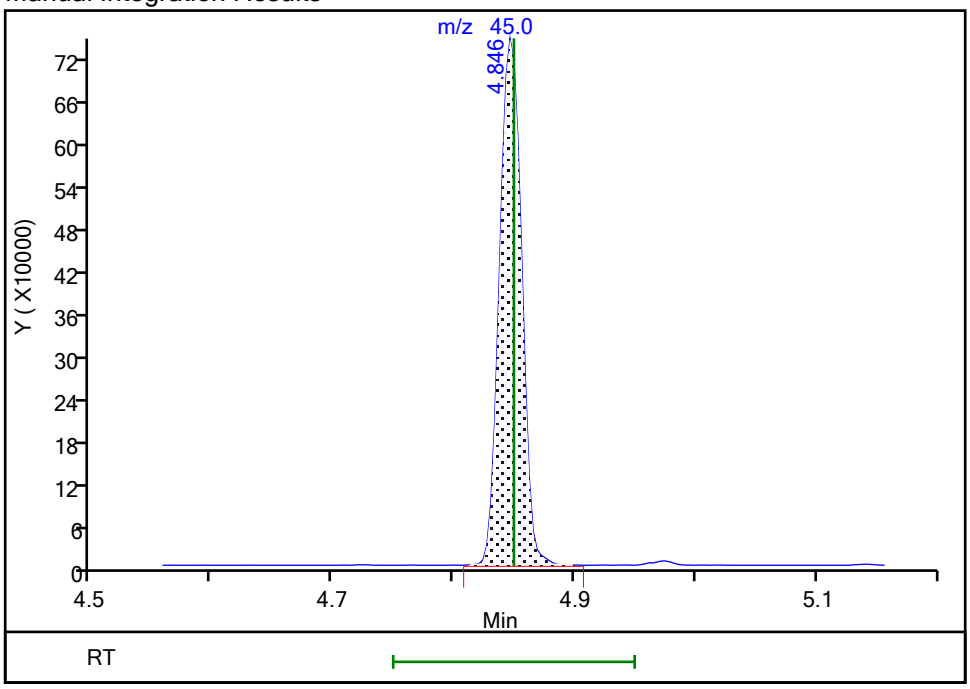
Not Detected
Expected RT: 4.85

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 948732
Amount: 15.772776
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:19:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison

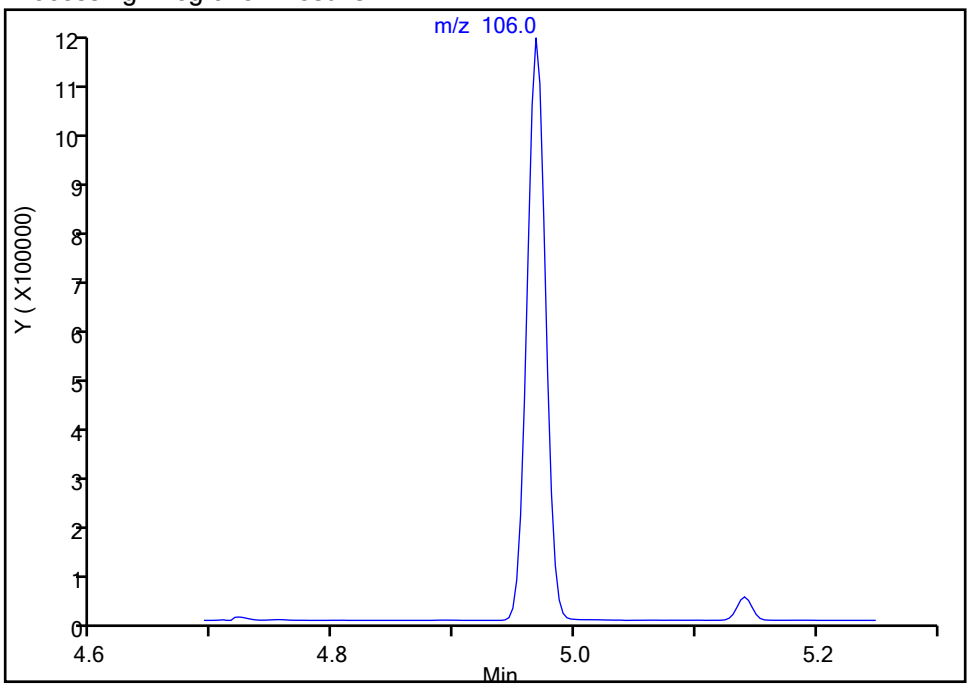
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D
Injection Date: 12-Jan-2023 10:58:30 Instrument ID: CBNAMS16
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Methylaniline, CAS: 100-61-8

Signal: 1

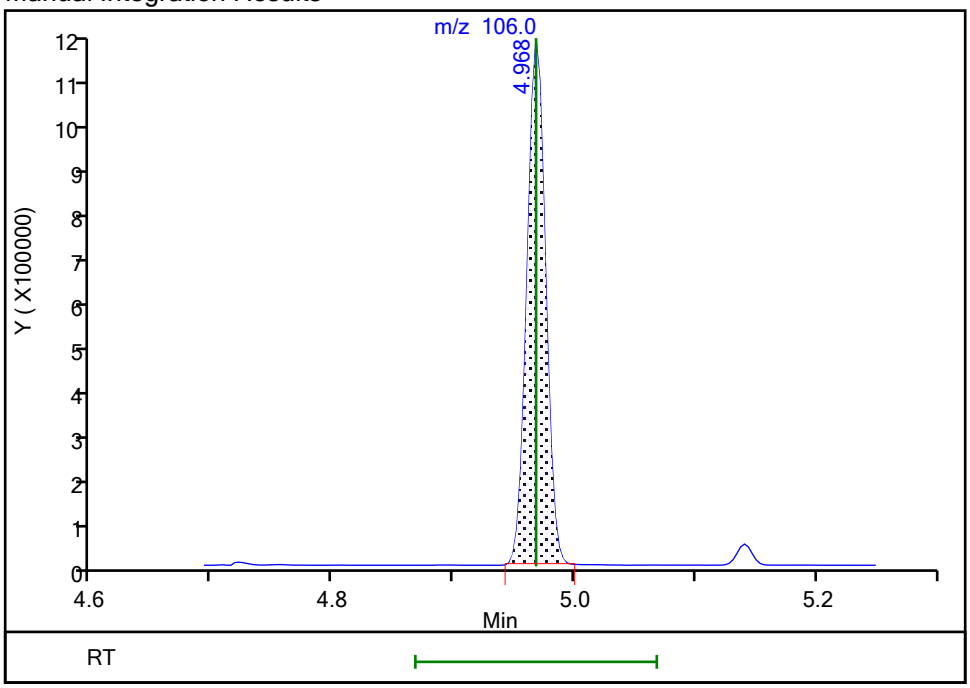
Not Detected
Expected RT: 4.97

Processing Integration Results



Manual Integration Results

RT: 4.97
Area: 1177503
Amount: 17.616935
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:19:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

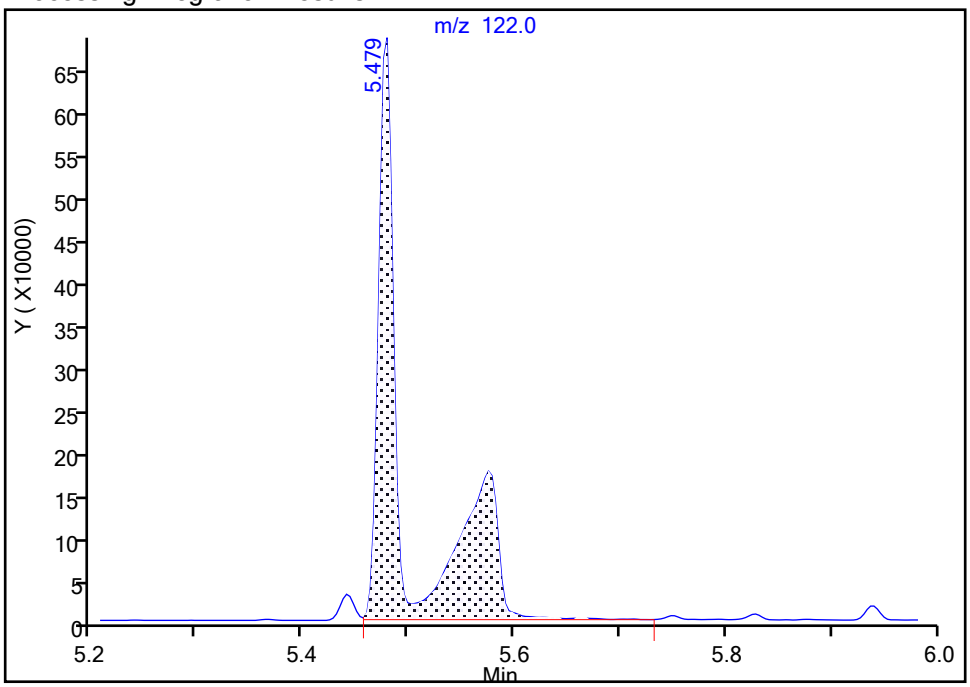
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D
Injection Date: 12-Jan-2023 10:58:30 Instrument ID: CBNAMS16
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

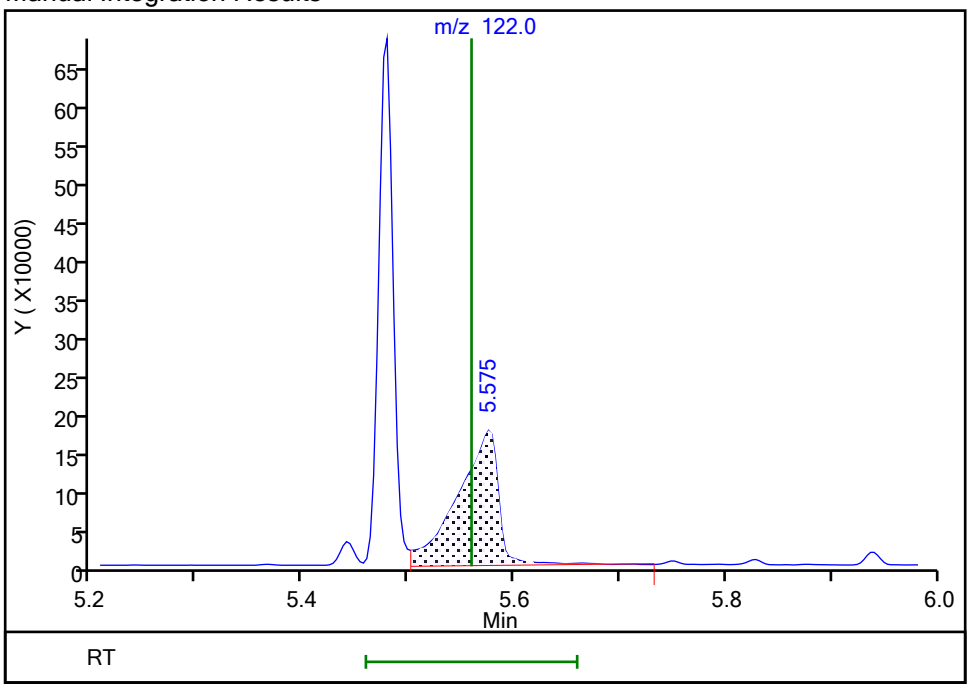
Processing Integration Results

RT: 5.48
Area: 1130969
Amount: 25.918132
Amount Units: ug/ml



Manual Integration Results

RT: 5.58
Area: 473896
Amount: 15.670829
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:20:09
Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

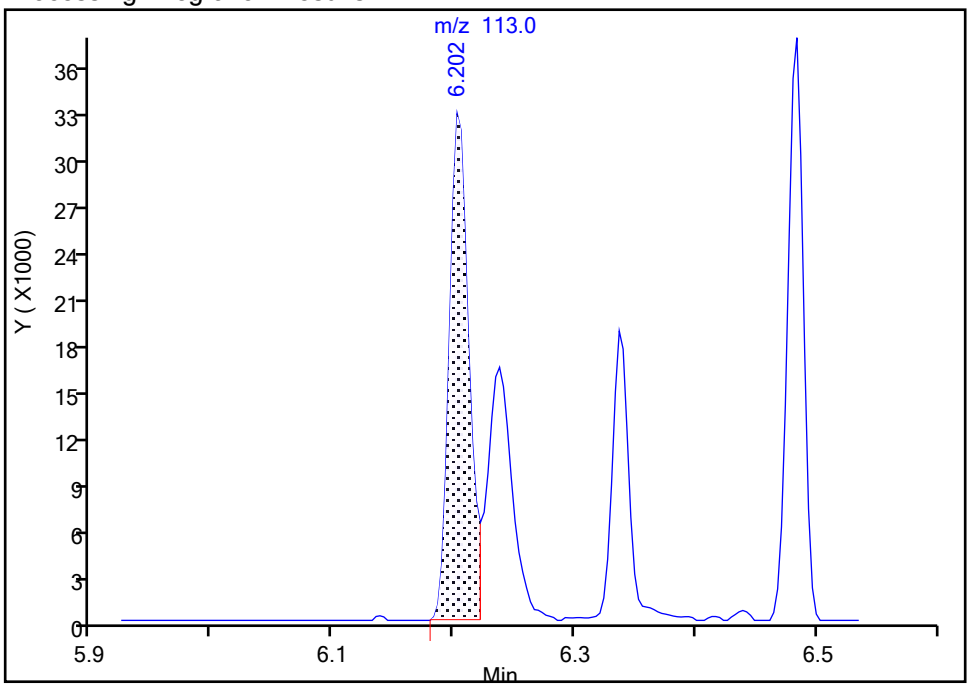
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22151.D
Injection Date: 12-Jan-2023 10:58:30 Instrument ID: CBNAMS16
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

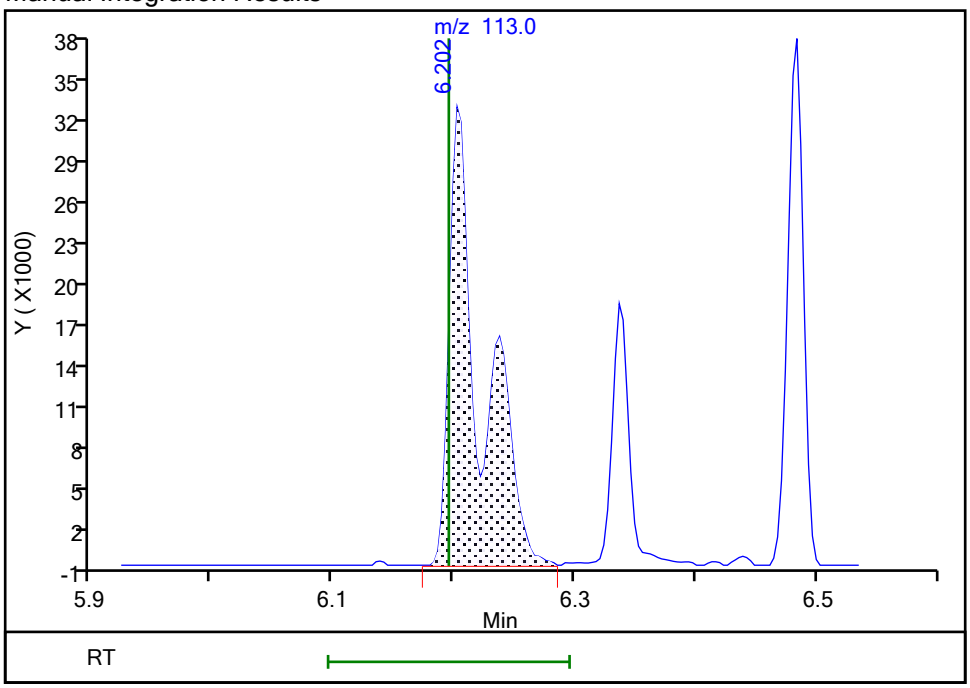
Processing Integration Results

RT: 6.20
Area: 36776
Amount: 3.286624
Amount Units: ug/ml



Manual Integration Results

RT: 6.20
Area: 59330
Amount: 5.026890
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 11:19:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22152.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Jan-2023 11:19:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-005
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:03 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 11:38:25

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.974	1.974	0.000	95	83429	4.00	4.54	
	2 N-Nitrosodimethylamine	74	2.197	2.197	0.000	82	115187	4.00	4.31	
	3 Pyridine	79	2.239	2.239	0.000	90	366471	8.00	8.95	
$	4 2-Fluorophenol	112	3.354	3.354	0.000	94	182545	4.00	4.60	
	5 Benzaldehyde	77	4.181	4.181	0.000	95	109537	3.20	3.17	
$	6 Phenol-d5	99	4.229	4.229	0.000	0	192267	4.00	4.00	
	7 Phenol	94	4.242	4.242	0.000	99	190644	4.00	3.89	
	8 Aniline	93	4.280	4.280	0.000	99	240383	4.00	3.89	
	9 Bis(2-chloroethyl)ether	93	4.335	4.335	0.000	97	150570	4.00	3.67	
	10 Benzonitrile	103	4.357	4.357	0.000	98	324951	NC	NC	
	11 2-Chlorophenol	128	4.395	4.395	0.000	96	165612	4.00	3.95	
	12 n-Decane	43	4.424	4.424	0.000	93	170355	4.00	3.59	
	13 1,3-Dichlorobenzene	146	4.542	4.542	0.000	95	183404	4.00	3.87	
*	14 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	245485	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.609	4.609	0.000	95	192947	4.00	3.98	
	17 Benzyl alcohol	108	4.718	4.718	0.000	92	84191	4.00	3.77	
	18 1,2-Dichlorobenzene	146	4.756	4.756	0.000	96	178293	4.00	4.00	
	19 2-Methylphenol	108	4.820	4.820	0.000	90	144339	4.00	4.19	
	20 2,2'-oxybis[1-chloropropane]	45	4.846	4.846	0.000	94	209310	4.00	3.72	
	21 N-Methylaniline	106	4.964	4.964	0.000	92	272728	4.00	4.36	
	24 3 & 4 Methylphenol	108	4.967	4.967	0.000	0	168348	4.00	4.08	
	25 4-Methylphenol	108	4.967	4.967	0.000	81	165591	4.00	4.09	
	23 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	88	119326	4.00	3.95	
	22 Acetophenone	105	4.971	4.971	0.000	90	231103	4.00	4.02	
	26 Hexachloroethane	117	5.076	5.076	0.000	90	68215	4.00	3.98	
$	27 Nitrobenzene-d5	82	5.118	5.118	0.000	88	183889	4.00	4.10	
	29 n,n'-Dimethylaniline	120	5.137	5.137	0.000	86	266912	4.00	4.11	
	28 Nitrobenzene	123	5.137	5.137	0.000	90	80983	4.00	4.09	
	30 Isophorone	82	5.360	5.360	0.000	99	300976	4.00	3.90	
	31 2-Nitrophenol	139	5.440	5.440	0.000	91	91714	4.00	4.09	
	33 2,4-Dimethylphenol	122	5.476	5.476	0.000	90	136477	4.00	3.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.530	5.530	0.000	86	79336	4.00	3.66	
34 Bis(2-chloroethoxy)methane	93	5.565	5.565	0.000	100	185819	4.00	3.82	
36 2,4-Dichlorophenol	162	5.667	5.667	0.000	95	140136	4.00	4.04	
37 1,2,4-Trichlorobenzene	180	5.747	5.747	0.000	94	154780	4.00	3.93	
* 38 Naphthalene-d8	136	5.805	5.805	0.000	99	993492	8.00	8.00	
39 Naphthalene	128	5.824	5.824	0.000	99	500130	4.00	3.97	
40 4-Chloroaniline	127	5.875	5.875	0.000	97	199878	4.00	4.06	
41 2,6-Dichlorophenol	162	5.882	5.882	0.000	95	137959	4.00	3.98	
43 Hexachlorobutadiene	225	5.939	5.939	0.000	96	101891	4.00	4.20	
44 Caprolactam	113	6.182	6.182	0.000	92	33835	3.20	3.42	
45 4-Chloro-3-methylphenol	107	6.335	6.335	0.000	94	133527	4.00	4.13	
46 2-Methylnaphthalene	142	6.482	6.482	0.000	86	364176	4.00	4.11	
47 1-Methylnaphthalene	142	6.575	6.575	0.000	94	331424	4.00	4.15	
48 Hexachlorocyclopentadiene	237	6.629	6.629	0.000	98	128171	4.00	3.63	
49 1,2,4,5-Tetrachlorobenzene	216	6.639	6.639	0.000	98	177283	4.00	3.74	
50 2-tertbutyl-4-methylphenol	149	6.665	6.665	0.000	92	227603	4.00	4.40	
51 2,4,6-Trichlorophenol	196	6.748	6.748	0.000	91	113408	4.00	3.97	
52 2,4,5-Trichlorophenol	196	6.783	6.783	0.000	97	116980	4.00	3.82	
$ 53 2-Fluorobiphenyl	172	6.828	6.828	0.000	98	435800	4.00	3.76	
54 1,1'-Biphenyl	154	6.924	6.924	0.000	95	447033	4.00	3.73	
55 2-Chloronaphthalene	162	6.943	6.943	0.000	98	332224	4.00	3.73	
56 Phenyl ether	170	7.023	7.023	0.000	87	257675	4.00	3.95	
57 2-Nitroaniline	65	7.042	7.042	0.000	98	103551	4.00	4.14	
58 1,3-Dimethylnaphthalene	156	7.148	7.148	0.000	93	289635	4.00	3.93	
59 Dimethyl phthalate	163	7.212	7.212	0.000	99	381339	4.00	3.97	
60 Coumarin	146	7.237	7.237	0.000	80	128817	4.00	4.71	
61 2,6-Dinitrotoluene	165	7.269	7.269	0.000	96	91173	4.00	4.16	
62 Acenaphthylene	152	7.336	7.336	0.000	98	549496	4.00	3.90	
63 3-Nitroaniline	138	7.429	7.429	0.000	95	92803	4.00	4.07	
* 64 Acenaphthene-d10	164	7.471	7.471	0.000	98	659549	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.480	7.480	0.000	97	331098	4.00	3.73	
66 Acenaphthene	154	7.499	7.499	0.000	95	333754	4.00	3.89	
67 2,4-Dinitrophenol	184	7.528	7.528	0.000	97	111599	8.00	8.14	
68 4-Nitrophenol	65	7.592	7.592	0.000	92	151524	8.00	8.46	
69 2,4-Dinitrotoluene	165	7.650	7.650	0.000	96	125170	4.00	4.26	
70 Dibenzofuran	168	7.663	7.663	0.000	96	517873	4.00	3.90	
71 2,3,4,6-Tetrachlorophenol	232	7.778	7.778	0.000	93	103874	4.00	3.96	
72 Diethyl phthalate	149	7.877	7.877	0.000	98	409926	4.00	4.06	
74 4-Chlorophenyl phenyl ether	204	7.986	7.986	0.000	90	206381	4.00	3.91	
73 Fluorene	166	7.986	7.986	0.000	95	430851	4.00	3.96	
75 4-Nitroaniline	138	8.005	8.005	0.000	93	97466	4.00	4.16	
76 4,6-Dinitro-2-methylphenol	198	8.031	8.031	0.000	87	146622	8.00	7.72	
78 N-Nitrosodiphenylamine	169	8.098	8.098	0.000	70	305584	4.00	3.84	
79 1,2-Diphenylhydrazine	77	8.136	8.136	0.000	51	443335	4.00	4.04	
144 Azobenzene	77	8.136	8.136	0.000	0	442702	4.00	4.03	
$ 80 2,4,6-Tribromophenol	330	8.216	8.216	0.000	95	68493	4.00	4.45	
81 4-Bromophenyl phenyl ether	248	8.450	8.450	0.000	90	118630	4.00	3.73	
82 Hexachlorobenzene	284	8.504	8.504	0.000	96	133130	4.00	3.63	
83 Atrazine	200	8.603	8.603	0.000	93	86000	3.20	3.16	
84 Pentachlorophenol	266	8.693	8.693	0.000	94	144685	8.00	7.36	
85 Pentachloronitrobenzene	237	8.702	8.702	0.000	89	53004	4.00	3.77	
87 n-Octadecane	57	8.766	8.766	0.000	95	235634	4.00	3.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.875	8.875	0.000	98	1172338	8.00	8.00	
89 Phenanthrene	178	8.898	8.898	0.000	97	600185	4.00	3.89	
90 Anthracene	178	8.946	8.946	0.000	98	595696	4.00	3.85	
91 Carbazole	167	9.099	9.099	0.000	96	528161	4.00	4.00	
92 Di-n-butyl phthalate	149	9.425	9.425	0.000	100	619009	4.00	4.02	
93 Fluoranthene	202	10.023	10.023	0.000	98	596774	4.00	3.93	
94 Benzidine	184	10.151	10.151	0.000	99	286456	4.00	3.75	
95 Pyrene	202	10.240	10.240	0.000	97	593934	4.00	4.53	
96 Bisphenol-A	213	10.301	10.301	0.000	98	180205	4.00	3.81	
$ 97 Terphenyl-d14	244	10.394	10.394	0.000	98	456229	4.00	4.31	
98 Butyl benzyl phthalate	149	10.906	10.906	0.000	98	223694	4.00	4.59	
100 Carbamazepine	193	11.024	11.024	0.000	92	176900	4.00	4.11	
101 3,3'-Dichlorobenzidine	252	11.510	11.510	0.000	99	148488	4.00	3.95	
102 Benzo[a]anthracene	228	11.533	11.533	0.000	99	424326	4.00	3.86	
* 103 Chrysene-d12	240	11.545	11.545	0.000	99	704647	8.00	8.00	
104 Chrysene	228	11.578	11.578	0.000	99	412605	4.00	3.89	
105 Bis(2-ethylhexyl) phthalate	149	11.581	11.581	0.000	90	286176	4.00	4.40	
106 Di-n-octyl phthalate	149	12.451	12.451	0.000	97	418227	4.00	3.84	
107 Benzo[b]fluoranthene	252	12.957	12.957	0.000	98	362352	4.00	4.21	
108 Benzo[k]fluoranthene	252	12.995	12.995	0.000	99	387878	4.00	4.19	
109 Benzo[a]pyrene	252	13.424	13.424	0.000	96	340471	4.00	4.05	
* 110 Perylene-d12	264	13.507	13.507	0.000	99	615050	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.156	15.156	0.000	99	301897	4.00	4.00	
112 Dibenz(a,h)anthracene	278	15.201	15.201	0.000	98	315726	4.00	3.80	
113 Benzo[g,h,i]perylene	276	15.627	15.627	0.000	97	335857	4.00	3.71	
S 114 Total Cresols	1				0			8.27	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL6_LVI_00007 Amount Added: 1.00 Units: mL

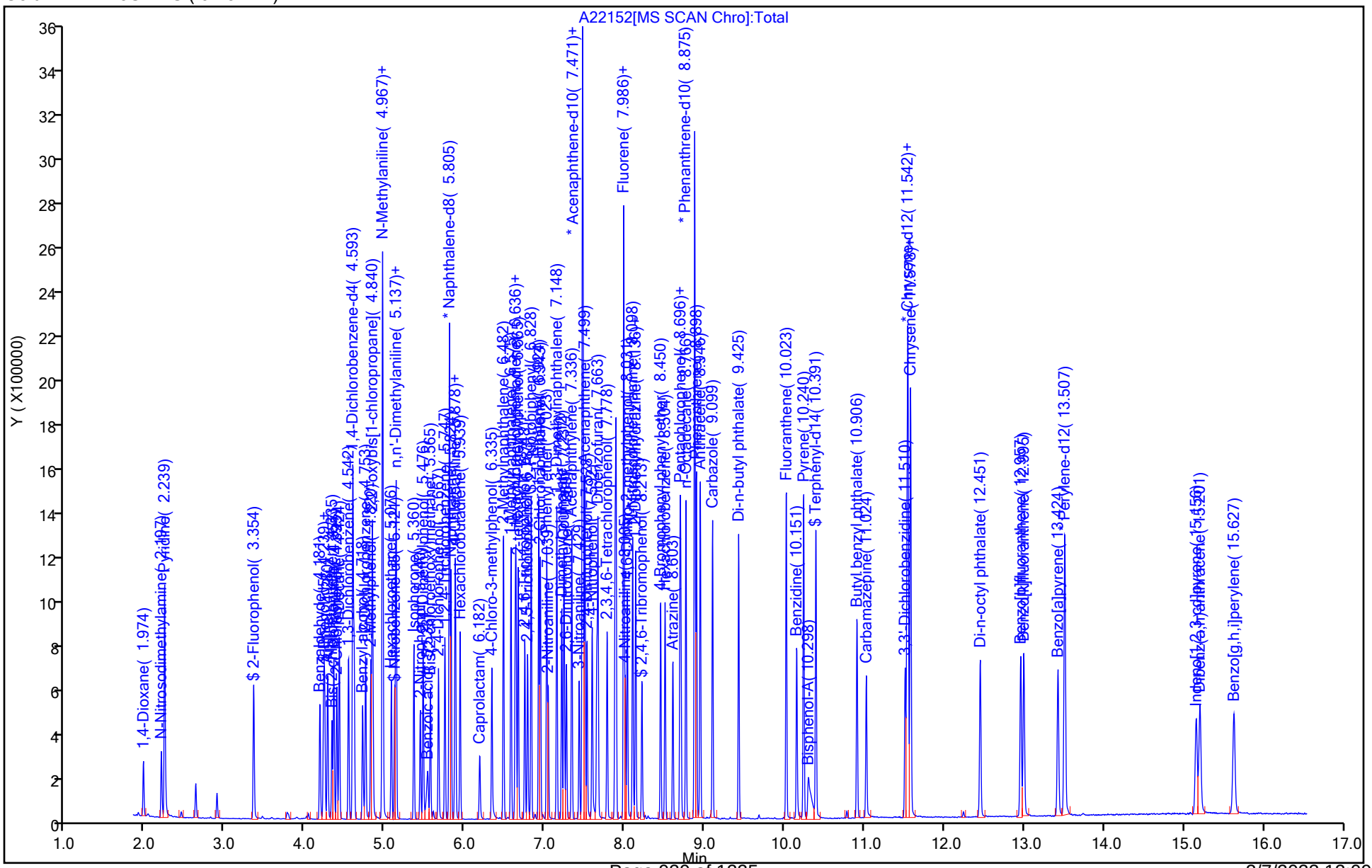
Report Date: 12-Jan-2023 13:35:06 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22152.D

Injection Date:	12-Jan-2023 11:19:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22153.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Jan-2023 11:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-006
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:10 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 12:15:19

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.980	1.974	0.006	96	47088	2.00	2.00	
	2 N-Nitrosodimethylamine	74	2.204	2.197	0.007	85	65352	2.00	1.91	
	3 Pyridine	79	2.245	2.239	0.006	89	196476	4.00	3.81	
$	4 2-Fluorophenol	112	3.357	3.354	0.003	93	90460	2.00	1.78	
	5 Benzaldehyde	77	4.181	4.181	0.000	95	83524	2.00	1.89	
$	6 Phenol-d5	99	4.229	4.229	0.000	0	113278	2.00	1.84	
	7 Phenol	94	4.242	4.242	0.000	99	126973	2.00	2.02	
	8 Aniline	93	4.280	4.280	0.000	99	162015	2.00	2.05	
	9 Bis(2-chloroethyl)ether	93	4.335	4.335	0.000	97	110620	2.00	2.11	
	10 Benzonitrile	103	4.357	4.357	0.000	98	206044	NC	NC	
	11 2-Chlorophenol	128	4.395	4.395	0.000	94	110215	2.00	2.06	
	12 n-Decane	43	4.427	4.424	0.003	94	134131	2.00	2.21	
	13 1,3-Dichlorobenzene	146	4.542	4.542	0.000	95	128579	2.00	2.12	
*	14 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	313911	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.613	4.609	0.004	96	127430	2.00	2.06	
	17 Benzyl alcohol	108	4.718	4.718	0.000	93	55253	2.00	1.94	
	18 1,2-Dichlorobenzene	146	4.757	4.756	0.000	95	122210	2.00	2.15	
	19 2-Methylphenol	108	4.820	4.820	0.000	88	94303	2.00	2.14	
	20 2,2'-oxybis[1-chloropropane]	45	4.843	4.846	-0.003	92	168314	2.00	2.34	
	21 N-Methylaniline	106	4.964	4.964	0.000	91	174994	2.00	2.19	
	24 3 & 4 Methylphenol	108	4.968	4.967	0.001	0	118159	2.00	2.24	
	25 4-Methylphenol	108	4.968	4.967	0.001	80	114006	2.00	2.20	
	23 N-Nitrosodi-n-propylamine	70	4.968	4.967	0.001	92	86043	2.00	2.23	
	22 Acetophenone	105	4.971	4.971	0.000	90	162183	2.00	2.21	
	26 Hexachloroethane	117	5.076	5.076	0.000	94	47952	2.00	2.19	
$	27 Nitrobenzene-d5	82	5.118	5.118	0.000	89	118561	2.00	2.11	
	29 n,n'-Dimethylaniline	120	5.137	5.137	0.000	83	167640	2.00	2.02	
	28 Nitrobenzene	123	5.137	5.137	0.000	90	57149	2.00	2.26	
	30 Isophorone	82	5.357	5.360	-0.003	99	204394	2.00	2.11	
	31 2-Nitrophenol	139	5.441	5.440	0.001	90	57306	2.00	2.04	
	33 2,4-Dimethylphenol	122	5.476	5.476	0.000	91	91538	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.517	5.530	-0.013	86	36912	2.00	1.78	
34 Bis(2-chloroethoxy)methane	93	5.565	5.565	0.000	99	128120	2.00	2.10	
36 2,4-Dichlorophenol	162	5.668	5.667	0.001	95	86291	2.00	1.98	
37 1,2,4-Trichlorobenzene	180	5.747	5.747	0.000	94	102478	2.00	2.07	
* 38 Naphthalene-d8	136	5.805	5.805	0.000	100	1245062	8.00	8.00	
39 Naphthalene	128	5.824	5.824	0.000	99	326062	2.00	2.07	
40 4-Chloroaniline	127	5.875	5.875	0.000	96	132197	2.00	2.14	
41 2,6-Dichlorophenol	162	5.882	5.882	0.000	96	87083	2.00	2.00	
43 Hexachlorobutadiene	225	5.939	5.939	0.000	96	61914	2.00	2.03	
44 Caprolactam	113	6.179	6.182	-0.003	88	23788	2.00	1.92	
45 4-Chloro-3-methylphenol	107	6.336	6.335	0.001	95	69305	2.00	1.71	
46 2-Methylnaphthalene	142	6.479	6.482	-0.003	88	195613	2.00	1.76	
47 1-Methylnaphthalene	142	6.575	6.575	0.000	94	179949	2.00	1.80	
48 Hexachlorocyclopentadiene	237	6.630	6.629	0.001	96	68389	2.00	1.88	
49 1,2,4,5-Tetrachlorobenzene	216	6.639	6.639	0.000	98	96886	2.00	1.98	
50 2-tertbutyl-4-methylphenol	149	6.665	6.665	0.000	91	111894	2.00	1.73	
51 2,4,6-Trichlorophenol	196	6.748	6.748	0.000	91	60126	2.00	2.04	
52 2,4,5-Trichlorophenol	196	6.783	6.783	0.000	96	57480	2.00	1.82	
$ 53 2-Fluorobiphenyl	172	6.828	6.828	0.000	97	213712	2.00	1.79	
54 1,1'-Biphenyl	154	6.924	6.924	0.000	95	238039	2.00	1.92	
55 2-Chloronaphthalene	162	6.943	6.943	0.000	97	179879	2.00	1.95	
56 Phenyl ether	170	7.023	7.023	0.000	86	128703	2.00	1.91	
57 2-Nitroaniline	65	7.039	7.042	-0.003	97	50152	2.00	1.94	
58 1,3-Dimethylnaphthalene	156	7.148	7.148	0.000	93	144281	2.00	1.89	
59 Dimethyl phthalate	163	7.208	7.212	-0.004	99	197236	2.00	1.99	
60 Coumarin	146	7.237	7.237	0.000	79	60445	2.00	1.76	
61 2,6-Dinitrotoluene	165	7.269	7.269	0.000	96	48630	2.00	2.15	
62 Acenaphthylene	152	7.336	7.336	0.000	98	296127	2.00	2.03	
63 3-Nitroaniline	138	7.429	7.429	0.000	97	45962	2.00	1.95	
* 64 Acenaphthene-d10	164	7.471	7.471	0.000	98	681564	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.480	7.480	0.000	97	170669	2.00	1.86	
66 Acenaphthene	154	7.499	7.499	0.000	94	182692	2.00	2.06	
67 2,4-Dinitrophenol	184	7.528	7.528	0.000	97	47763	4.00	3.37	
68 4-Nitrophenol	65	7.592	7.592	0.000	91	68184	4.00	3.68	
69 2,4-Dinitrotoluene	165	7.650	7.650	0.000	95	61943	2.00	2.04	
70 Dibenzofuran	168	7.663	7.663	0.000	97	280522	2.00	2.04	
71 2,3,4,6-Tetrachlorophenol	232	7.778	7.778	0.000	96	54249	2.00	2.00	
72 Diethyl phthalate	149	7.877	7.877	0.000	99	203301	2.00	1.95	
74 4-Chlorophenyl phenyl ether	204	7.985	7.986	-0.001	89	108873	2.00	1.99	
73 Fluorene	166	7.989	7.986	0.003	94	227801	2.00	2.03	
75 4-Nitroaniline	138	8.005	8.005	0.000	89	47689	2.00	1.97	
76 4,6-Dinitro-2-methylphenol	198	8.030	8.031	-0.001	87	71258	4.00	3.70	
78 N-Nitrosodiphenylamine	169	8.098	8.098	0.000	92	162487	2.00	2.01	
79 1,2-Diphenylhydrazine	77	8.136	8.136	0.000	51	239817	2.00	2.15	
144 Azobenzene	77	8.136	8.136	0.000	0	239817	2.00	2.15	
$ 80 2,4,6-Tribromophenol	330	8.216	8.216	0.000	94	30075	2.00	1.89	
81 4-Bromophenyl phenyl ether	248	8.449	8.450	-0.001	86	63120	2.00	1.96	
82 Hexachlorobenzene	284	8.504	8.504	0.000	96	71375	2.00	1.92	
83 Atrazine	200	8.603	8.603	0.000	93	52320	2.00	1.89	
84 Pentachlorophenol	266	8.692	8.693	-0.001	94	67636	4.00	3.39	
85 Pentachloronitrobenzene	237	8.702	8.702	0.000	89	25959	2.00	1.82	
87 n-Octadecane	57	8.766	8.766	0.000	95	127585	2.00	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.875	8.875	0.000	99	1189419	8.00	8.00	
89 Phenanthrene	178	8.897	8.898	-0.001	98	307411	2.00	1.97	
90 Anthracene	178	8.945	8.946	-0.001	99	313921	2.00	2.00	
91 Carbazole	167	9.099	9.099	0.000	95	255640	2.00	1.91	
92 Di-n-butyl phthalate	149	9.424	9.425	-0.001	100	255453	2.00	1.63	
93 Fluoranthene	202	10.022	10.023	-0.001	98	300932	2.00	1.95	
94 Benzidine	184	10.153	10.151	0.002	99	131291	2.00	1.69	
95 Pyrene	202	10.239	10.240	-0.001	97	297128	2.00	2.10	
96 Bisphenol-A	213	10.310	10.301	0.009	97	86190	2.00	1.99	
$ 97 Terphenyl-d14	244	10.393	10.394	-0.001	98	224785	2.00	1.97	
98 Butyl benzyl phthalate	149	10.908	10.906	0.002	97	88131	2.00	1.67	
100 Carbamazepine	193	11.023	11.024	-0.001	92	57775	2.00	1.77	
101 3,3'-Dichlorobenzidine	252	11.508	11.510	-0.002	99	77403	2.00	1.91	
102 Benzo[a]anthracene	228	11.534	11.533	0.001	98	234878	2.00	1.98	
* 103 Chrysene-d12	240	11.544	11.545	-0.001	99	761724	8.00	8.00	
104 Chrysene	228	11.576	11.578	-0.002	99	236944	2.00	2.07	
105 Bis(2-ethylhexyl) phthalate	149	11.579	11.581	-0.002	88	132067	2.00	1.88	
106 Di-n-octyl phthalate	149	12.449	12.451	-0.003	97	210884	2.00	2.15	
107 Benzo[b]fluoranthene	252	12.957	12.957	0.001	98	174111	2.00	2.01	
108 Benzo[k]fluoranthene	252	12.996	12.995	0.001	99	184208	2.00	1.98	
109 Benzo[a]pyrene	252	13.424	13.424	0.000	97	170925	2.00	2.02	
* 110 Perylene-d12	264	13.508	13.507	0.001	98	618149	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.153	15.156	-0.003	98	149154	2.00	1.97	
112 Dibenz(a,h)anthracene	278	15.201	15.201	0.000	97	166655	2.00	1.99	
113 Benzo[g,h,i]perylene	276	15.624	15.627	-0.003	97	174524	2.00	1.92	
S 114 Total Cresols	1				0			4.38	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL5_LVI_00006 Amount Added: 1.00 Units: mL

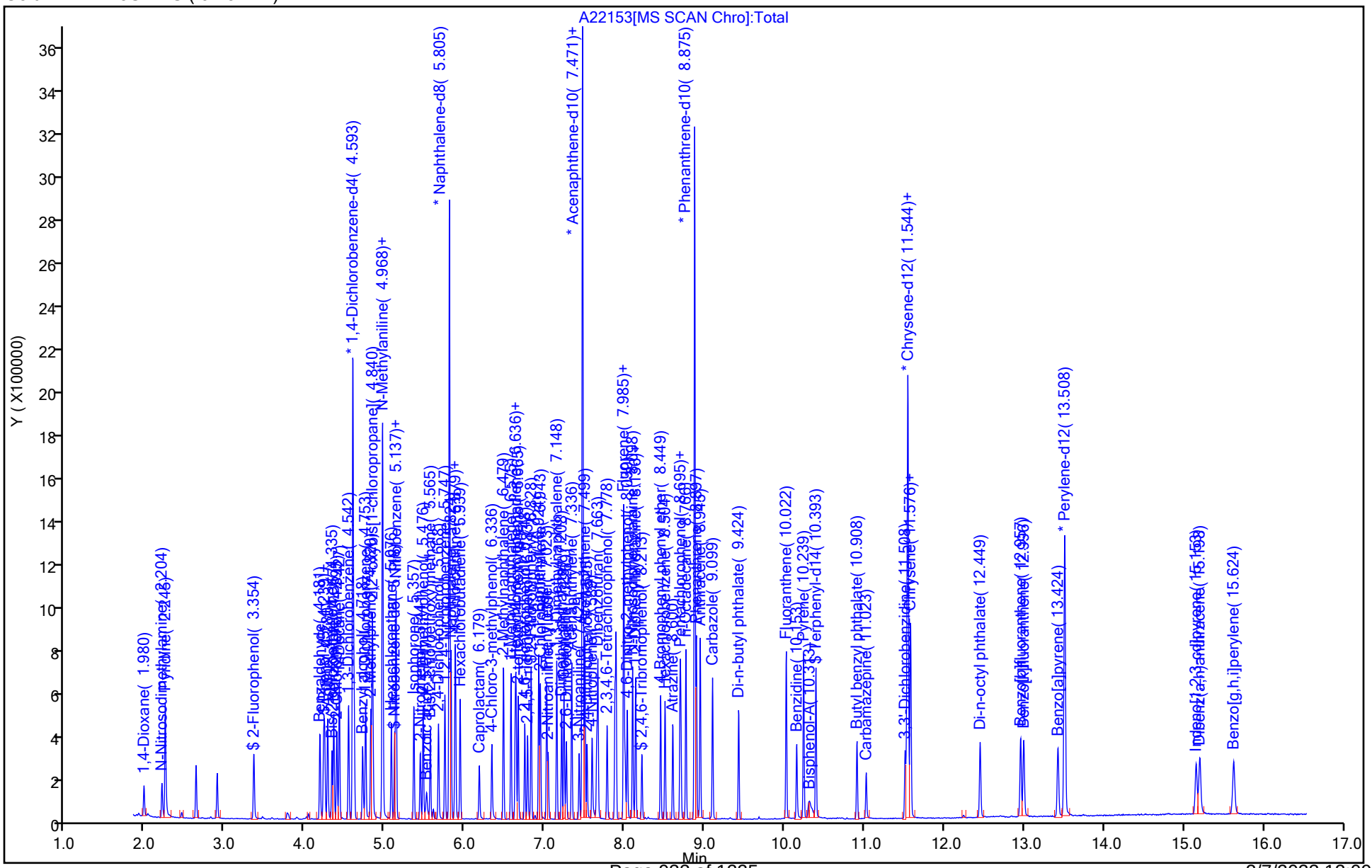
Report Date: 12-Jan-2023 13:35:12 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22153.D

Injection Date:	12-Jan-2023 11:40:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22154.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Jan-2023 12:01:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-007
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:16 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 12:27:34

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.980	1.974	0.006	95	20840	1.00	0.9444	
	2 N-Nitrosodimethylamine	74	2.207	2.197	0.010	82	27589	1.00	0.8605	
	3 Pyridine	79	2.248	2.239	0.009	90	88773	2.00	1.89	
$	4 2-Fluorophenol	112	3.357	3.354	0.003	95	45418	1.00	0.9540	
	5 Benzaldehyde	77	4.184	4.181	0.003	96	44173	1.00	1.07	
$	6 Phenol-d5	99	4.229	4.229	0.000	0	58732	1.00	1.02	
	7 Phenol	94	4.242	4.242	0.000	98	60285	1.00	1.02	
	8 Aniline	93	4.280	4.280	0.000	98	76302	1.00	1.03	
	9 Bis(2-chloroethyl)ether	93	4.334	4.335	-0.001	95	53485	1.00	1.09	
	10 Benzonitrile	103	4.357	4.357	0.000	99	101253	NC	NC	
	11 2-Chlorophenol	128	4.395	4.395	0.000	93	50093	1.00	1.00	
	12 n-Decane	43	4.427	4.424	0.003	92	57270	1.00	1.01	
	13 1,3-Dichlorobenzene	146	4.542	4.542	0.000	94	56717	1.00	1.00	
*	14 1,4-Dichlorobenzene-d4	152	4.596	4.593	0.003	98	294590	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.612	4.609	0.003	93	58835	1.00	1.01	
	17 Benzyl alcohol	108	4.718	4.718	0.000	91	23812	1.00	0.8887	
	18 1,2-Dichlorobenzene	146	4.756	4.756	0.000	94	54133	1.00	1.01	
	19 2-Methylphenol	108	4.820	4.820	0.000	85	41191	1.00	1.00	
	20 2,2'-oxybis[1-chloropropane]	45	4.846	4.846	0.000	91	76610	1.00	1.13	
	21 N-Methylaniline	106	4.964	4.964	0.000	81	76860	1.00	1.02	
	24 3 & 4 Methylphenol	108	4.967	4.967	0.000	0	48882	1.00	0.9882	
	25 4-Methylphenol	108	4.967	4.967	0.000	78	48405	1.00	1.00	
	23 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	88	41832	1.00	1.15	
	22 Acetophenone	105	4.970	4.971	-0.001	90	72283	1.00	1.05	
	26 Hexachloroethane	117	5.076	5.076	0.000	93	22589	1.00	1.10	
$	27 Nitrobenzene-d5	82	5.117	5.118	-0.001	88	52908	1.00	1.01	
	28 Nitrobenzene	123	5.137	5.137	0.000	91	25356	1.00	1.07	
	29 n,n'-Dimethylaniline	120	5.137	5.137	0.000	93	76321	1.00	0.9785	
	30 Isophorone	82	5.357	5.360	-0.003	98	99870	1.00	1.10	
	31 2-Nitrophenol	139	5.440	5.440	0.000	85	25348	1.00	0.9627	
	33 2,4-Dimethylphenol	122	5.475	5.476	-0.001	88	40335	1.00	0.9720	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.511	5.530	-0.020	89	17057	1.00	1.21	
34 Bis(2-chloroethoxy)methane	93	5.565	5.565	0.000	98	62269	1.00	1.09	
36 2,4-Dichlorophenol	162	5.667	5.667	0.000	94	39231	1.00	0.9623	
37 1,2,4-Trichlorobenzene	180	5.747	5.747	0.000	92	48184	1.00	1.04	
* 38 Naphthalene-d8	136	5.805	5.805	0.000	99	1166350	8.00	8.00	
39 Naphthalene	128	5.824	5.824	0.000	98	152227	1.00	1.03	
40 4-Chloroaniline	127	5.875	5.875	0.000	97	63500	1.00	1.10	
41 2,6-Dichlorophenol	162	5.881	5.882	-0.001	94	41835	1.00	1.03	
43 Hexachlorobutadiene	225	5.939	5.939	0.000	94	27897	1.00	0.9787	
44 Caprolactam	113	6.175	6.182	-0.007	88	11024	1.00	0.9500	
45 4-Chloro-3-methylphenol	107	6.335	6.335	0.000	97	37289	1.00	0.9818	
46 2-Methylnaphthalene	142	6.482	6.482	0.000	86	107194	1.00	1.03	
47 1-Methylnaphthalene	142	6.575	6.575	0.000	94	90475	1.00	0.9660	
48 Hexachlorocyclopentadiene	237	6.629	6.629	0.000	97	34608	1.00	0.9727	
49 1,2,4,5-Tetrachlorobenzene	216	6.639	6.639	0.000	97	46719	1.00	0.9788	
50 2-tertbutyl-4-methylphenol	149	6.664	6.665	-0.001	91	54611	1.00	0.8994	
51 2,4,6-Trichlorophenol	196	6.747	6.748	-0.001	90	27630	1.00	0.9593	
52 2,4,5-Trichlorophenol	196	6.783	6.783	0.000	96	29598	1.00	0.9595	
$ 53 2-Fluorobiphenyl	172	6.827	6.828	-0.001	97	107990	1.00	0.9248	
54 1,1'-Biphenyl	154	6.923	6.924	-0.001	94	122202	1.00	1.01	
55 2-Chloronaphthalene	162	6.942	6.943	-0.001	99	91157	1.00	1.01	
56 Phenyl ether	170	7.022	7.023	-0.001	85	65289	1.00	0.99	
57 2-Nitroaniline	65	7.041	7.042	-0.001	97	22883	1.00	0.9077	
58 1,3-Dimethylnaphthalene	156	7.147	7.148	-0.001	91	70582	1.00	0.9489	
59 Dimethyl phthalate	163	7.208	7.212	-0.004	99	99501	1.00	1.03	
60 Coumarin	146	7.236	7.237	-0.001	79	29170	1.00	0.9089	
61 2,6-Dinitrotoluene	165	7.268	7.269	-0.001	96	22770	1.00	1.03	
62 Acenaphthylene	152	7.336	7.336	0.000	97	142436	1.00	1.00	
63 3-Nitroaniline	138	7.428	7.429	-0.001	94	20683	1.00	0.9006	
* 64 Acenaphthene-d10	164	7.470	7.471	-0.001	97	664963	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.479	7.480	-0.001	96	86061	1.00	0.9629	
66 Acenaphthene	154	7.499	7.499	0.000	95	85966	1.00	0.99	
67 2,4-Dinitrophenol	184	7.527	7.528	-0.001	94	19505	2.00	1.41	
68 4-Nitrophenol	65	7.591	7.592	-0.001	92	33695	2.00	1.86	
69 2,4-Dinitrotoluene	165	7.649	7.650	-0.001	95	28266	1.00	0.9533	
70 Dibenzofuran	168	7.662	7.663	-0.001	97	136432	1.00	1.02	
71 2,3,4,6-Tetrachlorophenol	232	7.780	7.778	0.002	94	24266	1.00	0.9186	
72 Diethyl phthalate	149	7.876	7.877	-0.001	98	103713	1.00	1.02	
74 4-Chlorophenyl phenyl ether	204	7.988	7.986	0.002	79	55330	1.00	1.04	
73 Fluorene	166	7.988	7.986	0.002	93	106417	1.00	0.9711	
75 4-Nitroaniline	138	8.004	8.005	-0.001	91	21027	1.00	0.8909	
76 4,6-Dinitro-2-methylphenol	198	8.029	8.031	-0.002	86	32035	2.00	1.93	
78 N-Nitrosodiphenylamine	169	8.096	8.098	-0.002	68	75907	1.00	1.09	
79 1,2-Diphenylhydrazine	77	8.135	8.136	-0.001	51	115509	1.00	1.20	
144 Azobenzene	77	8.135	8.136	-0.001	0	115509	1.00	1.20	
$ 80 2,4,6-Tribromophenol	330	8.215	8.216	-0.001	95	14938	1.00	0.9628	
81 4-Bromophenyl phenyl ether	248	8.448	8.450	-0.002	87	28950	1.00	1.04	
82 Hexachlorobenzene	284	8.506	8.504	0.002	96	35975	1.00	1.12	
83 Atrazine	200	8.602	8.603	-0.001	91	25284	1.00	1.06	
84 Pentachlorophenol	266	8.691	8.693	-0.002	93	34573	2.00	2.01	
85 Pentachloronitrobenzene	237	8.701	8.702	-0.001	86	12762	1.00	1.04	
87 n-Octadecane	57	8.765	8.766	-0.001	95	63000	1.00	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.873	8.875	-0.002	98	1024208	8.00	8.00	
89 Phenanthrene	178	8.896	8.898	-0.002	97	137567	1.00	1.02	
90 Anthracene	178	8.944	8.946	-0.002	99	134986	1.00	1.00	
91 Carbazole	167	9.100	9.099	0.001	96	107513	1.00	0.9309	
92 Di-n-butyl phthalate	149	9.426	9.425	0.001	99	121578	1.00	0.9032	
93 Fluoranthene	202	10.020	10.023	-0.003	98	140120	1.00	1.06	
94 Benzidine	184	10.154	10.151	0.003	99	61746	1.00	0.9254	
95 Pyrene	202	10.241	10.240	0.001	97	144176	1.00	0.9280	
96 Bisphenol-A	213	10.317	10.301	0.016	97	38574	1.00	1.13	
$ 97 Terphenyl-d14	244	10.391	10.394	-0.003	98	118342	1.00	0.9439	
98 Butyl benzyl phthalate	149	10.906	10.906	0.000	98	47978	1.00	0.8310	
100 Carbamazepine	193	11.021	11.024	-0.003	91	26398	1.00	1.18	
101 3,3'-Dichlorobenzidine	252	11.510	11.510	0.000	98	39807	1.00	0.8939	
102 Benzo[a]anthracene	228	11.532	11.533	-0.001	98	129051	1.00	0.99	
* 103 Chrysene-d12	240	11.545	11.545	0.000	99	835384	8.00	8.00	
104 Chrysene	228	11.574	11.578	-0.004	99	127874	1.00	1.02	
105 Bis(2-ethylhexyl) phthalate	149	11.580	11.581	-0.001	89	64206	1.00	0.8323	
106 Di-n-octyl phthalate	149	12.450	12.451	-0.001	97	82496	1.00	0.9717	
107 Benzo[b]fluoranthene	252	12.955	12.957	-0.001	99	107018	1.00	0.9748	
108 Benzo[k]fluoranthene	252	12.996	12.995	0.001	99	124423	1.00	1.05	
109 Benzo[a]pyrene	252	13.425	13.424	0.001	97	103903	1.00	0.9683	
* 110 Perylene-d12	264	13.508	13.507	0.001	99	785110	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.153	15.156	-0.003	99	102925	1.00	1.07	
112 Dibenz(a,h)anthracene	278	15.201	15.201	0.000	98	112465	1.00	1.06	
113 Benzo[g,h,i]perylene	276	15.623	15.627	-0.004	98	115152	1.00	1.00	
S 114 Total Cresols	1				0			1.98	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL4_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 12-Jan-2023 13:35:18 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22154.D

Injection Date: 12-Jan-2023 12:01:30 Instrument ID: CBNAMS16 Operator ID:

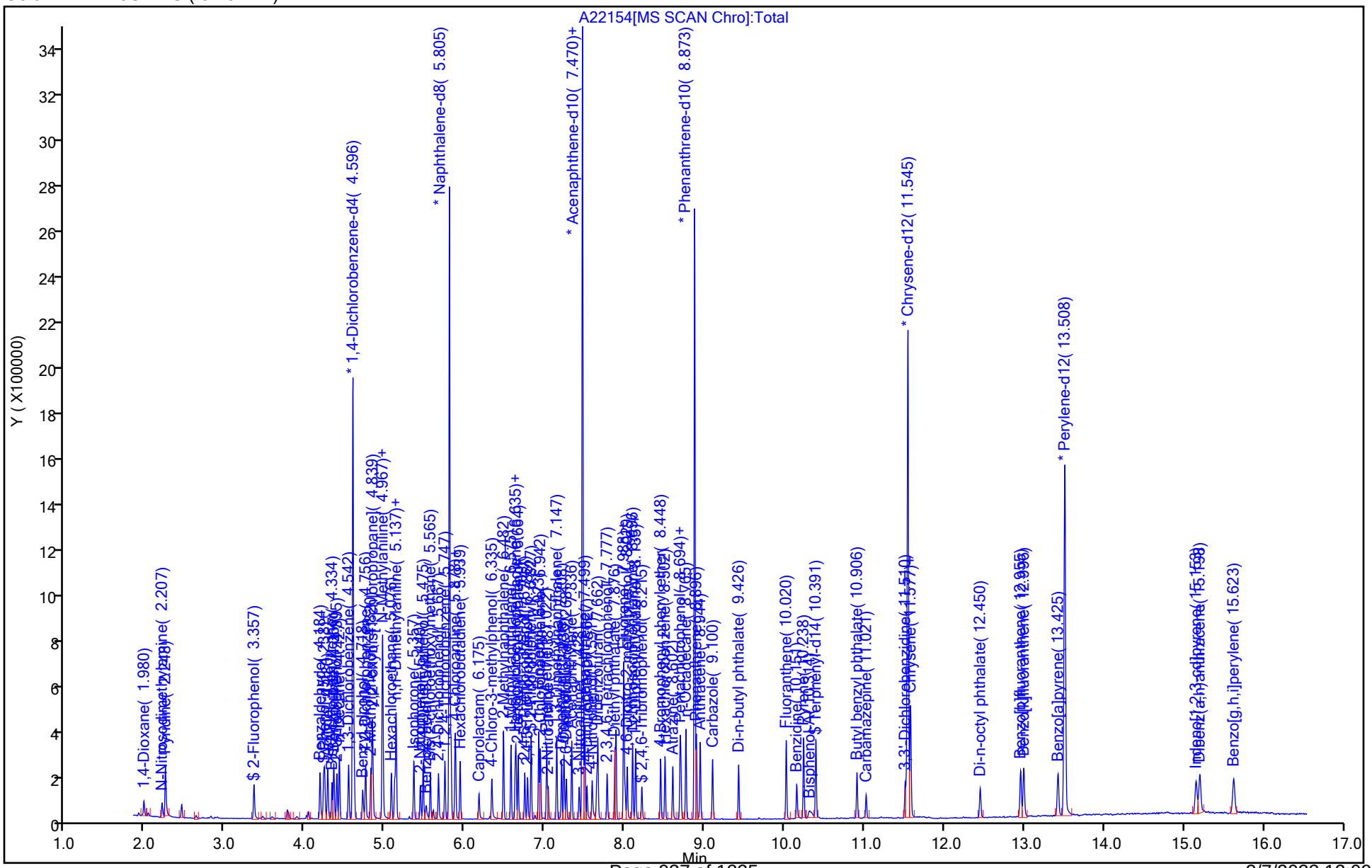
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_16 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22155.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Jan-2023 12:22:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-008
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:22 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 12:44:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	4.184	4.181	0.003	95	14860	0.4000	0.3688	
* 14 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	97	286342	8.00	8.00	
* 38 Naphthalene-d8	136	5.804	5.805	-0.001	99	1176630	8.00	8.00	
44 Caprolactam	113	6.175	6.182	-0.007	91	4649	0.4000	0.3971	
* 64 Acenaphthene-d10	164	7.469	7.471	-0.002	98	662830	8.00	8.00	
83 Atrazine	200	8.600	8.603	-0.003	90	9523	0.4000	0.3402	
* 88 Phenanthrene-d10	188	8.875	8.875	0.000	99	1205164	8.00	8.00	
* 103 Chrysene-d12	240	11.544	11.545	-0.001	99	869452	8.00	8.00	
* 110 Perylene-d12	264	13.510	13.507	0.003	99	839034	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00005 Amount Added: 1.00 Units: mL

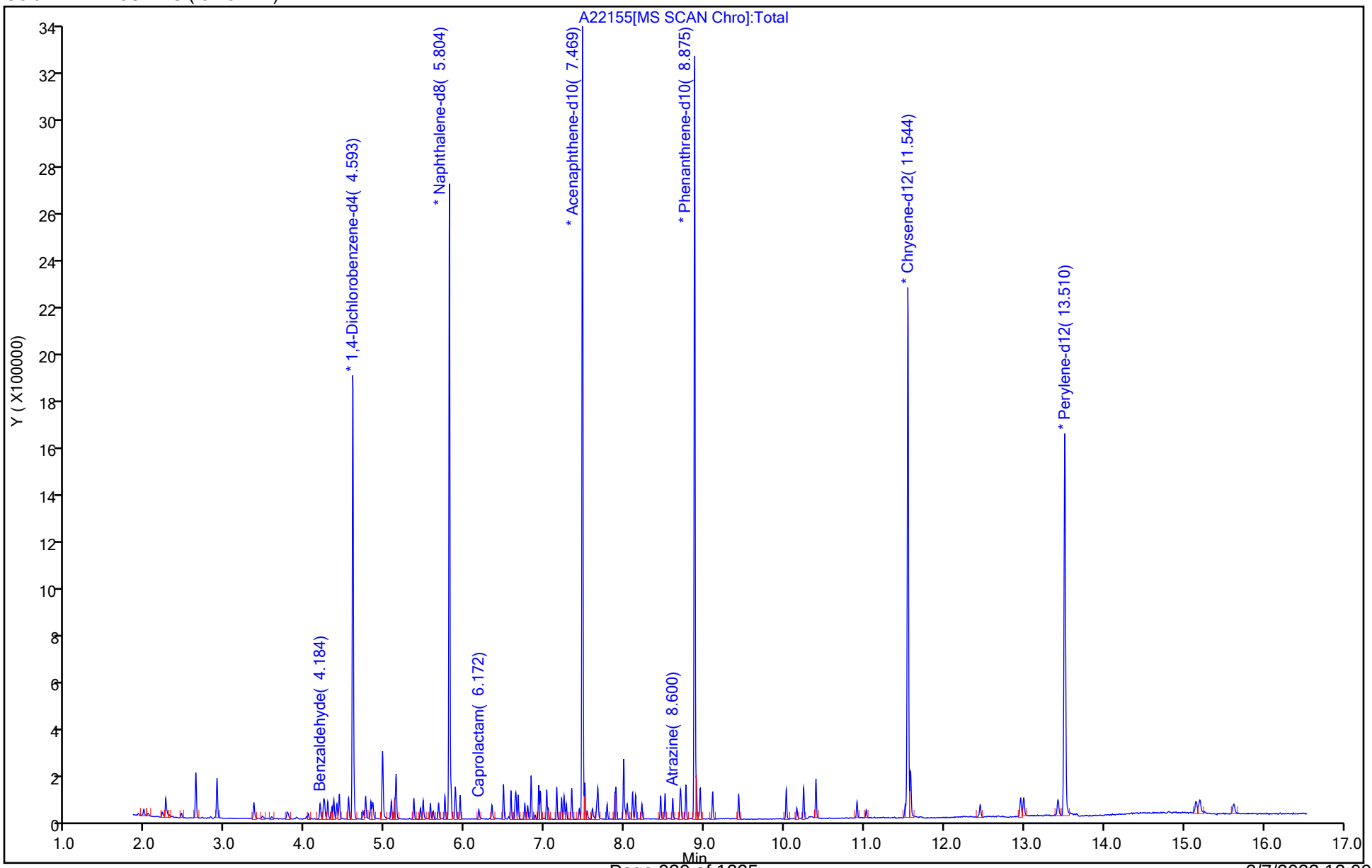
Report Date: 12-Jan-2023 13:35:23 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22155.D

Injection Date:	12-Jan-2023 12:22:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22156.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Jan-2023 12:43:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-009
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:25 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 13:02:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.258	2.239	0.019	91	13994	0.4000	0.4073	
$ 4 2-Fluorophenol	112	3.357	3.354	0.003	94	8419	0.2000	0.1909	
5 Benzaldehyde	77	4.184	4.181	0.003	95	8264	0.2000	0.2152	
$ 6 Phenol-d5	99	4.229	4.229	0.000	0	10242	0.2000	0.1916	
9 Bis(2-chloroethyl)ether	93	4.334	4.335	-0.001	95	9515	0.2000	0.2084	
* 14 1,4-Dichlorobenzene-d4	152	4.593	4.593	0.000	98	272937	8.00	8.00	
21 N-Methylaniline	106	4.964	4.964	0.000	87	13890	0.2000	0.1997	
23 N-Nitrosodi-n-propylamine	70	4.967	4.967	0.000	79	7372	0.2000	0.2196	
26 Hexachloroethane	117	5.076	5.076	0.000	89	3836	0.2000	0.2013	
$ 27 Nitrobenzene-d5	82	5.120	5.118	0.002	89	9496	0.2000	0.1971	
28 Nitrobenzene	123	5.136	5.137	-0.001	89	4033	0.2000	0.1831	
29 n,n'-Dimethylaniline	120	5.136	5.137	-0.001	91	14035	0.2000	0.1942	
30 Isophorone	82	5.360	5.360	0.000	98	15851	0.2000	0.1910	
37 1,2,4-Trichlorobenzene	180	5.747	5.747	-0.001	94	8214	0.2000	0.1939	
* 38 Naphthalene-d8	136	5.804	5.805	-0.001	99	1067569	8.00	8.00	
39 Naphthalene	128	5.823	5.824	-0.001	98	25502	0.2000	0.1886	
40 4-Chloroaniline	127	5.878	5.875	0.003	93	9735	0.2000	0.1839	
43 Hexachlorobutadiene	225	5.938	5.939	-0.001	89	4789	0.2000	0.1836	
44 Caprolactam	113	6.175	6.182	-0.007	81	1668	0.2000	0.1570	
46 2-Methylnaphthalene	142	6.481	6.482	-0.001	87	19886	0.2000	0.2091	
47 1-Methylnaphthalene	142	6.574	6.575	-0.001	94	17460	0.2000	0.2037	
50 2-tertbutyl-4-methylphenol	149	6.663	6.665	-0.002	87	9824	0.2000	0.1768	
51 2,4,6-Trichlorophenol	196	6.750	6.748	0.002	88	4631	0.2000	0.1624	
$ 53 2-Fluorobiphenyl	172	6.827	6.828	-0.001	97	25580	0.2000	0.2213	
61 2,6-Dinitrotoluene	165	7.268	7.269	-0.001	83	2907	0.2000	0.1330	
* 64 Acenaphthene-d10	164	7.469	7.471	-0.002	98	658379	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.651	7.650	0.001	90	4607	0.2000	0.1569	a
$ 80 2,4,6-Tribromophenol	330	8.214	8.216	-0.002	90	2392	0.2000	0.1557	
82 Hexachlorobenzene	284	8.504	8.504	0.000	92	7446	0.2000	0.2026	
83 Atrazine	200	8.600	8.603	-0.003	91	4801	0.2000	0.1762	
* 88 Phenanthrene-d10	188	8.875	8.875	0.000	99	1173239	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.022	10.023	-0.001	97	25280	0.2000	0.1662	
95 Pyrene	202	10.239	10.240	-0.001	96	26110	0.2000	0.1619	
$ 97 Terphenyl-d14	244	10.392	10.394	-0.002	98	26839	0.2000	0.2061	
101 3,3'-Dichlorobenzidine	252	11.511	11.510	0.001	93	7110	0.2000	0.1538	
102 Benzo[a]anthracene	228	11.533	11.533	0.000	97	26124	0.2000	0.1930	
* 103 Chrysene-d12	240	11.546	11.545	0.001	99	867443	8.00	8.00	
104 Chrysene	228	11.575	11.578	-0.003	97	24764	0.2000	0.1897	
105 Bis(2-ethylhexyl) phthalate	149	11.578	11.581	-0.003	88	11499	0.2000	0.1435	
107 Benzo[b]fluoranthene	252	12.956	12.957	0.000	97	21337	0.2000	0.1871	
108 Benzo[k]fluoranthene	252	12.994	12.995	-0.001	98	20802	0.2000	0.1695	
109 Benzo[a]pyrene	252	13.422	13.424	-0.002	98	19250	0.2000	0.1727	
* 110 Perylene-d12	264	13.509	13.507	0.002	99	815438	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.150	15.156	-0.006	98	16940	0.2000	0.1695	
112 Dibenz(a,h)anthracene	278	15.201	15.201	0.000	95	18658	0.2000	0.1692	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00004 Amount Added: 1.00 Units: mL

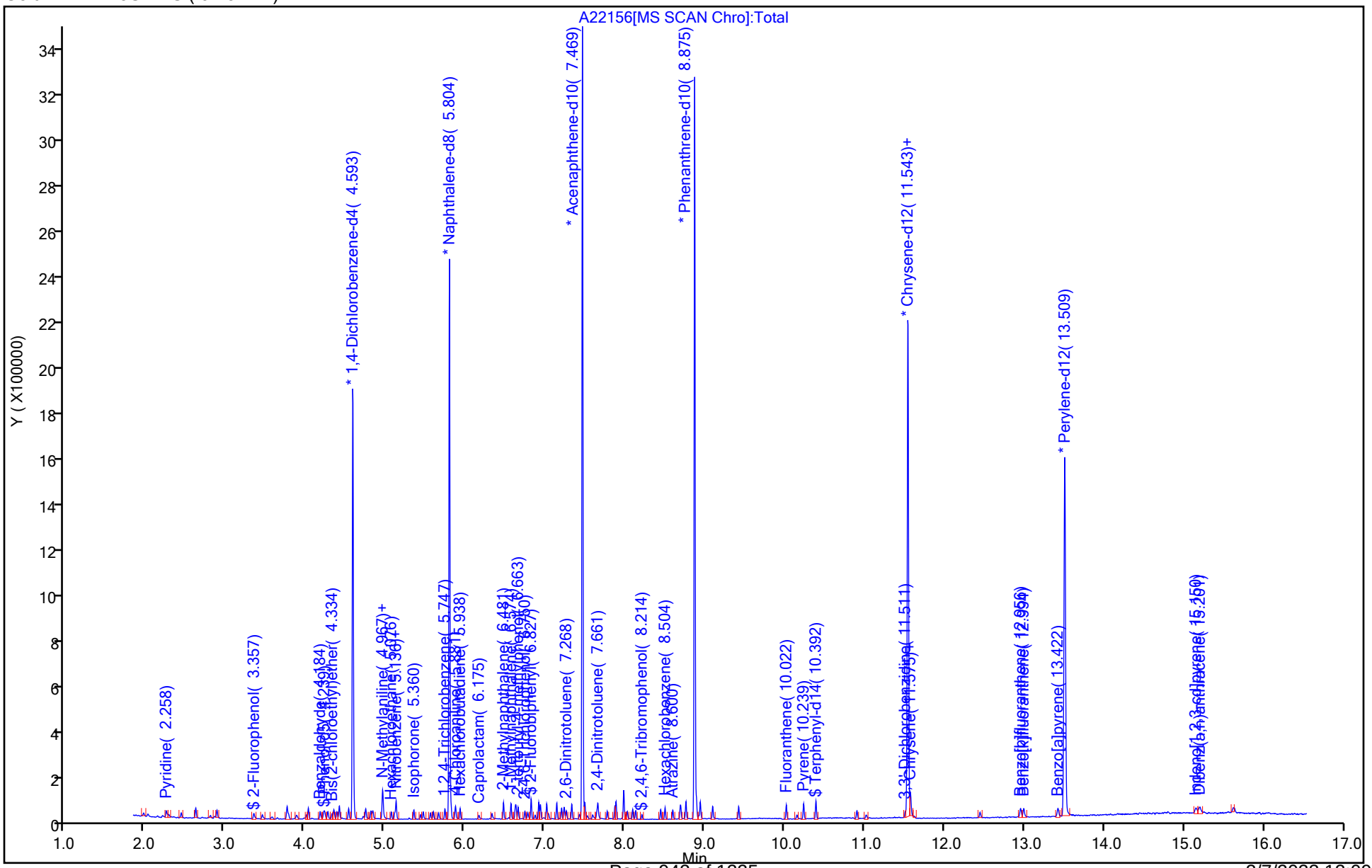
Report Date: 12-Jan-2023 13:35:28 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22156.D

Injection Date:	12-Jan-2023 12:43:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

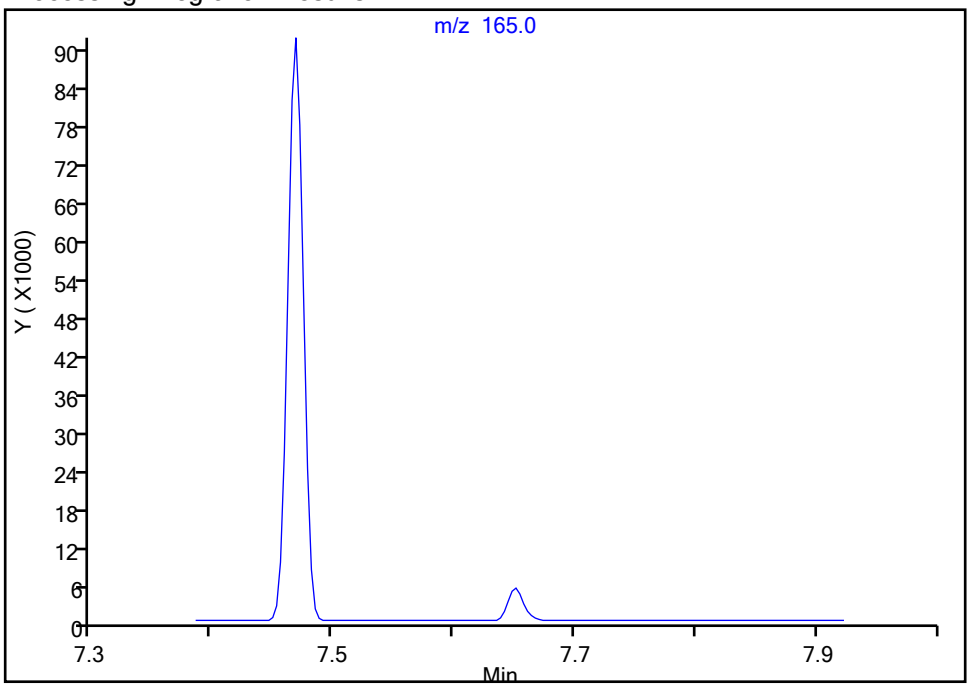
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22156.D
Injection Date: 12-Jan-2023 12:43:30 Instrument ID: CBNAMS16
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

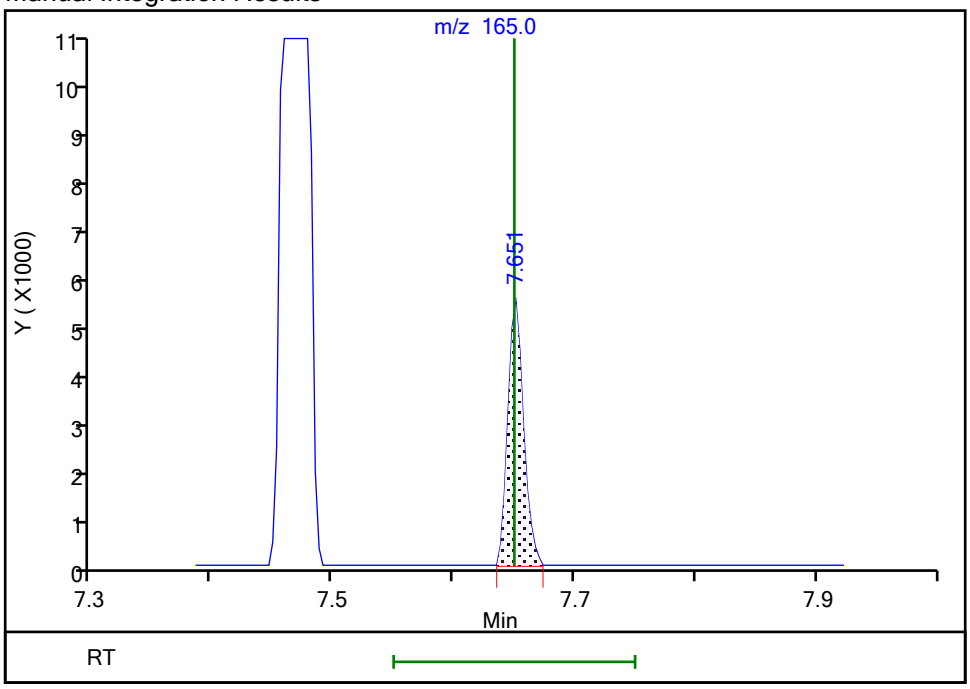
Not Detected
Expected RT: 7.65

Processing Integration Results



Manual Integration Results

RT: 7.65
Area: 4607
Amount: 0.156927
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:01:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Jan-2023 13:05:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-010
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 13:35:31 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 13:24:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.274	2.239	0.035	87	4589	0.2000	0.1992	
$ 6 Phenol-d5	99	4.232	4.229	0.003	0	5893	0.1000	0.1060	
9 Bis(2-chloroethyl)ether	93	4.337	4.335	0.002	94	4849	0.1000	0.1022	
* 14 1,4-Dichlorobenzene-d4	152	4.596	4.593	0.003	97	283782	8.00	8.00	
21 N-Methylaniline	106	4.967	4.964	0.003	84	5782	0.1000	0.0799	a
23 N-Nitrosodi-n-propylamine	70	4.970	4.967	0.003	84	2869	0.1000	0.0822	
26 Hexachloroethane	117	5.079	5.076	0.003	86	1829	0.1000	0.0923	
$ 27 Nitrobenzene-d5	82	5.123	5.118	0.005	89	4894	0.1000	0.0946	
29 n,n'-Dimethylaniline	120	5.136	5.137	-0.001	91	8021	0.1000	0.1068	
28 Nitrobenzene	123	5.139	5.137	0.002	77	2116	0.1000	0.0924	
37 1,2,4-Trichlorobenzene	180	5.746	5.747	-0.001	92	4392	0.1000	0.0966	
* 38 Naphthalene-d8	136	5.804	5.805	-0.001	100	1146422	8.00	8.00	
39 Naphthalene	128	5.826	5.824	0.002	97	14852	0.1000	0.1023	
40 4-Chloroaniline	127	5.877	5.875	0.002	91	4507	0.1000	0.0793	
43 Hexachlorobutadiene	225	5.938	5.939	-0.001	83	2781	0.1000	0.0993	
$ 53 2-Fluorobiphenyl	172	6.829	6.828	0.001	96	12425	0.1000	0.1047	
* 64 Acenaphthene-d10	164	7.468	7.471	-0.003	98	675704	8.00	8.00	
82 Hexachlorobenzene	284	8.504	8.504	0.000	91	3700	0.1000	0.1090	
* 88 Phenanthrene-d10	188	8.874	8.875	-0.001	98	1084176	8.00	8.00	
$ 97 Terphenyl-d14	244	10.392	10.394	-0.002	98	11354	0.1000	0.0962	
102 Benzo[a]anthracene	228	11.532	11.533	-0.001	95	13687	0.1000	0.1116	
* 103 Chrysene-d12	240	11.545	11.545	0.000	99	786173	8.00	8.00	
107 Benzo[b]fluoranthene	252	12.958	12.957	0.002	96	7712	0.1000	0.0714	
108 Benzo[k]fluoranthene	252	12.993	12.995	-0.002	96	9528	0.1000	0.0820	
109 Benzo[a]pyrene	252	13.421	13.424	-0.003	94	8814	0.1000	0.0835	
* 110 Perylene-d12	264	13.508	13.507	0.001	99	771908	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.159	15.156	0.003	69	6490	0.1000	0.0686	M
112 Dibenz(a,h)anthracene	278	15.200	15.201	-0.001	94	8469	0.1000	0.0811	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00004 Amount Added: 1.00 Units: mL

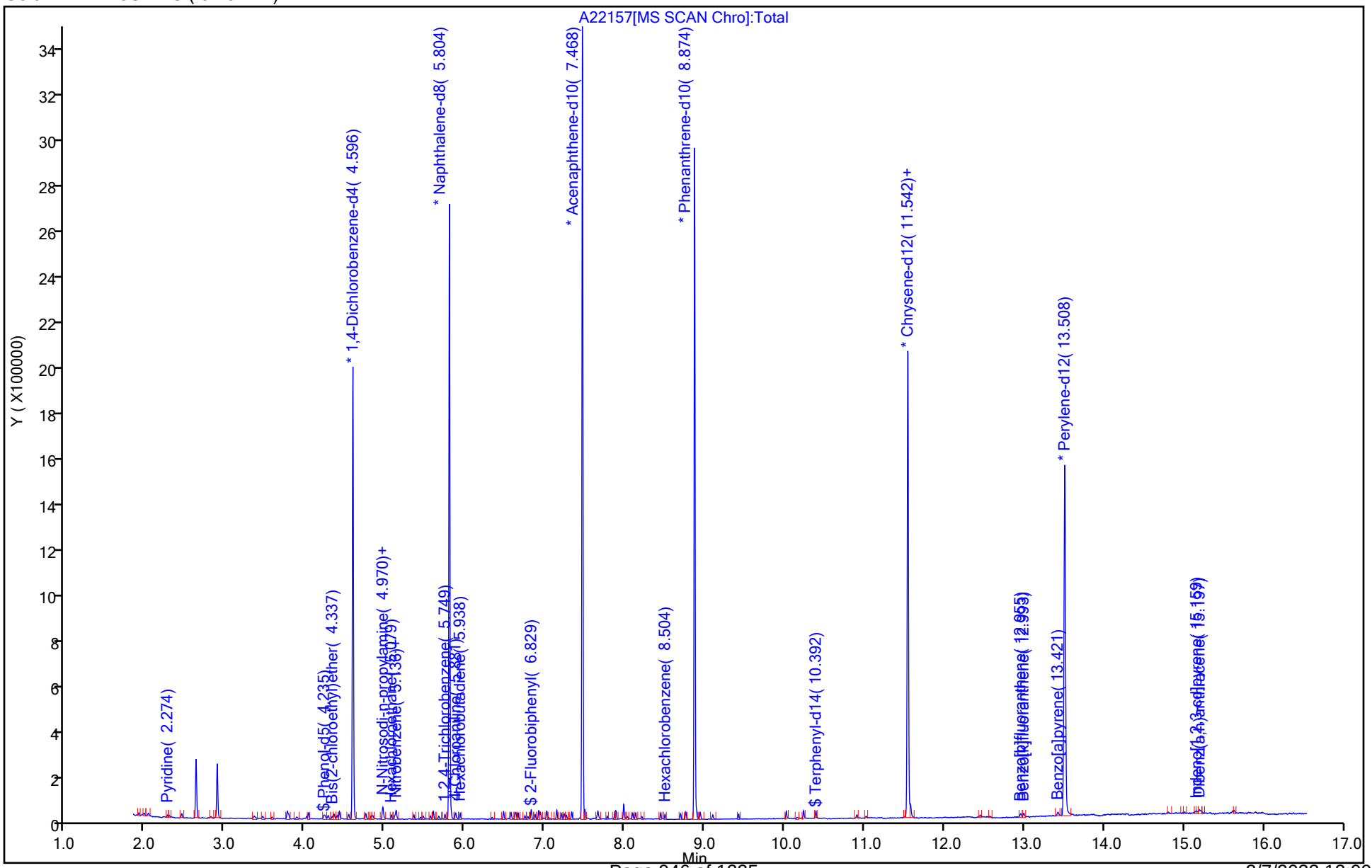
Report Date: 12-Jan-2023 13:35:33 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Injection Date:	12-Jan-2023 13:05:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison

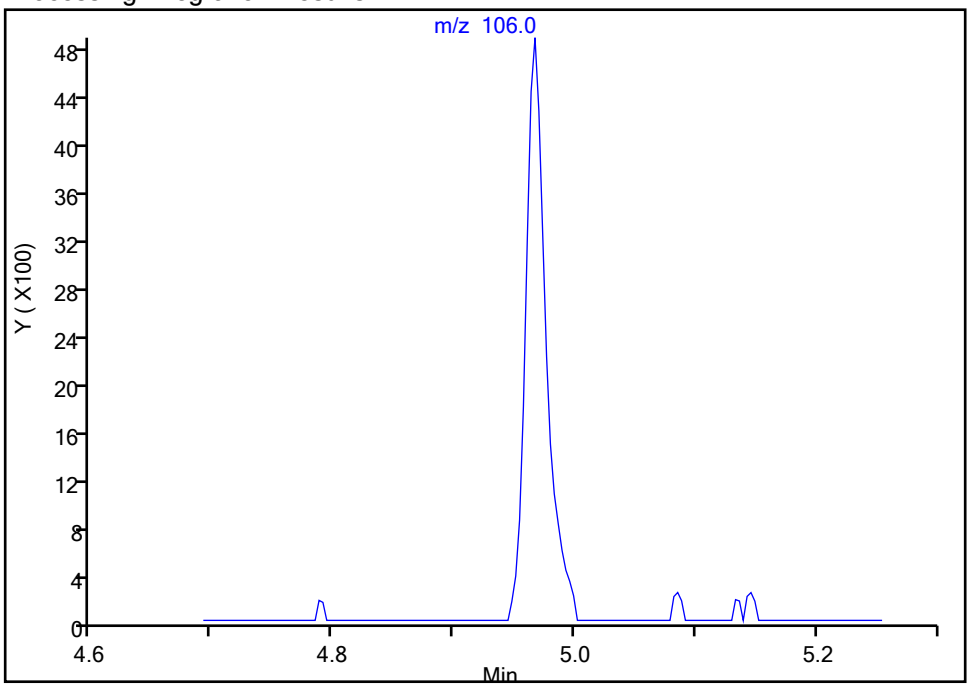
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D
Injection Date: 12-Jan-2023 13:05:30 Instrument ID: CBNAMS16
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Methylaniline, CAS: 100-61-8

Signal: 1

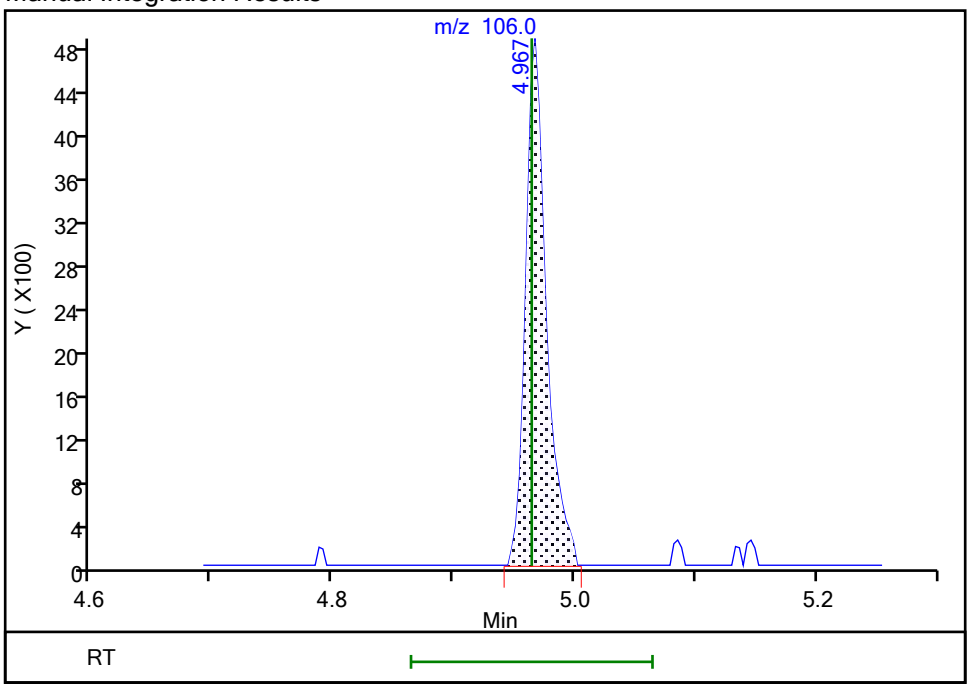
Not Detected
Expected RT: 4.96

Processing Integration Results



Manual Integration Results

RT: 4.97
Area: 5782
Amount: 0.079936
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:24:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

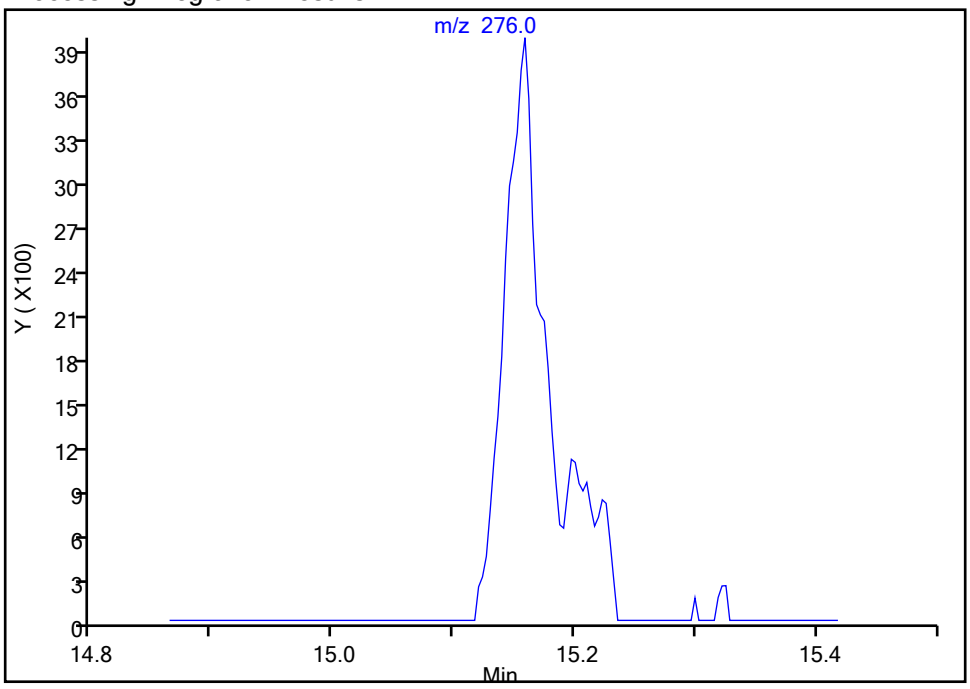
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D
Injection Date: 12-Jan-2023 13:05:30 Instrument ID: CBNAMS16
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

111 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

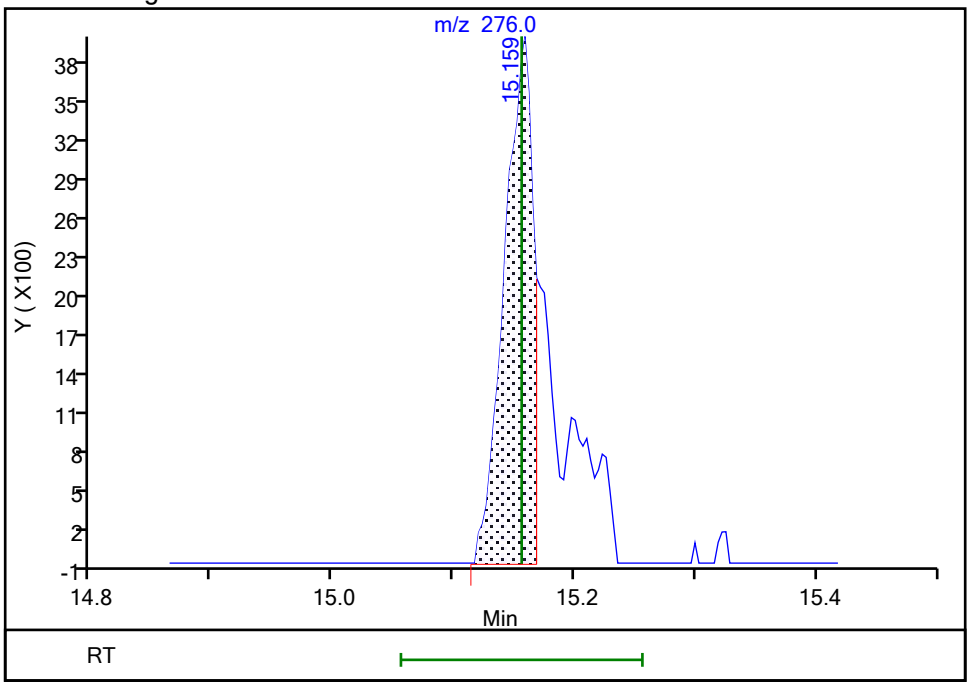
Not Detected
Expected RT: 15.16

Processing Integration Results



Manual Integration Results

RT: 15.16
Area: 6490
Amount: 0.068598
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:24:42
Audit Action: Manually Integrated Audit Reason: Missed Peak

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

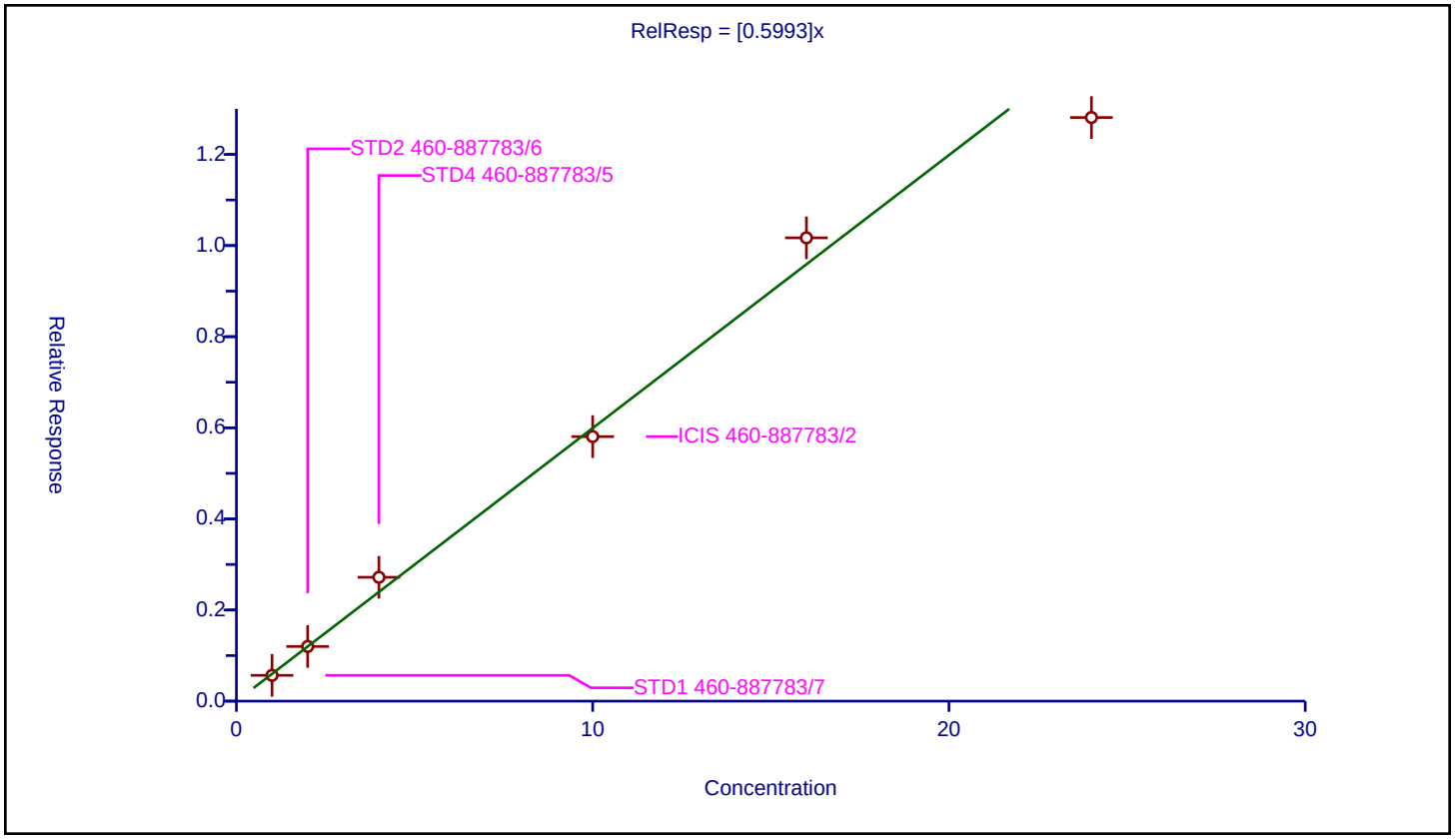
Curve Coefficients

Intercept:	0
Slope:	0.5993

Error Coefficients

Standard Error:	275000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.565939	8.0	294590.0	0.565939	Y
2	STD2 460-887783/6	2.0	1.200034	8.0	313911.0	0.600017	Y
3	STD4 460-887783/5	4.0	2.71883	8.0	245485.0	0.679708	Y
4	ICIS 460-887783/2	10.0	5.806691	8.0	281529.0	0.580669	Y
5	STD16 460-887783/4	16.0	10.169646	8.0	262229.0	0.635603	Y
6	STD24 460-887783/3	24.0	12.810624	8.0	289160.0	0.533776	Y



2/7/2023 12:09 PM

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

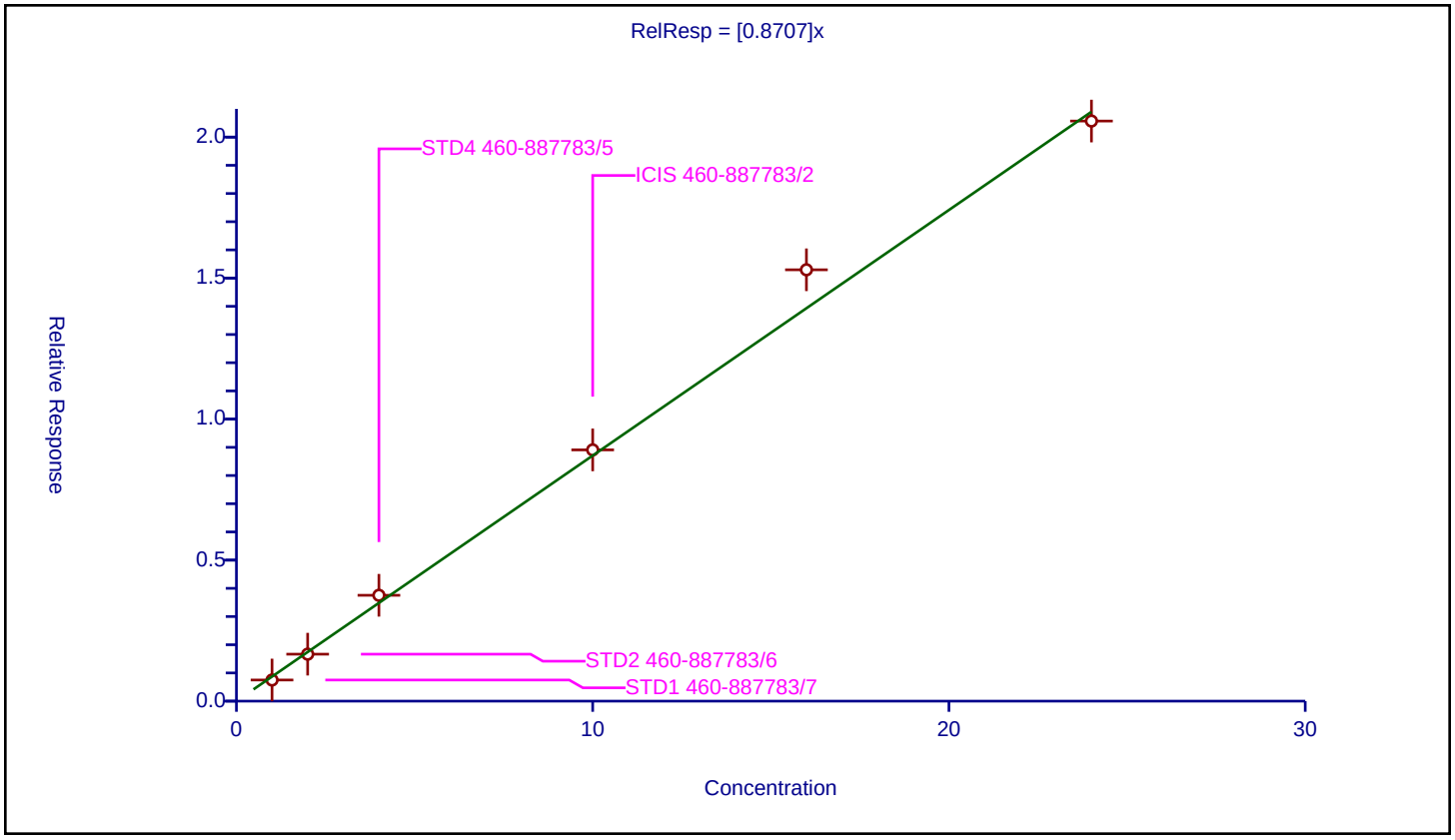
Curve Coefficients

Intercept:	0
Slope:	0.8707

Error Coefficients

Standard Error:	429000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.749218	8.0	294590.0	0.749218	Y
2	STD2 460-887783/6	2.0	1.665491	8.0	313911.0	0.832746	Y
3	STD4 460-887783/5	4.0	3.753777	8.0	245485.0	0.938444	Y
4	ICIS 460-887783/2	10.0	8.908752	8.0	281529.0	0.890875	Y
5	STD16 460-887783/4	16.0	15.294693	8.0	262229.0	0.955918	Y
6	STD24 460-887783/3	24.0	20.56929	8.0	289160.0	0.857054	Y



Calibration / Pyridine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

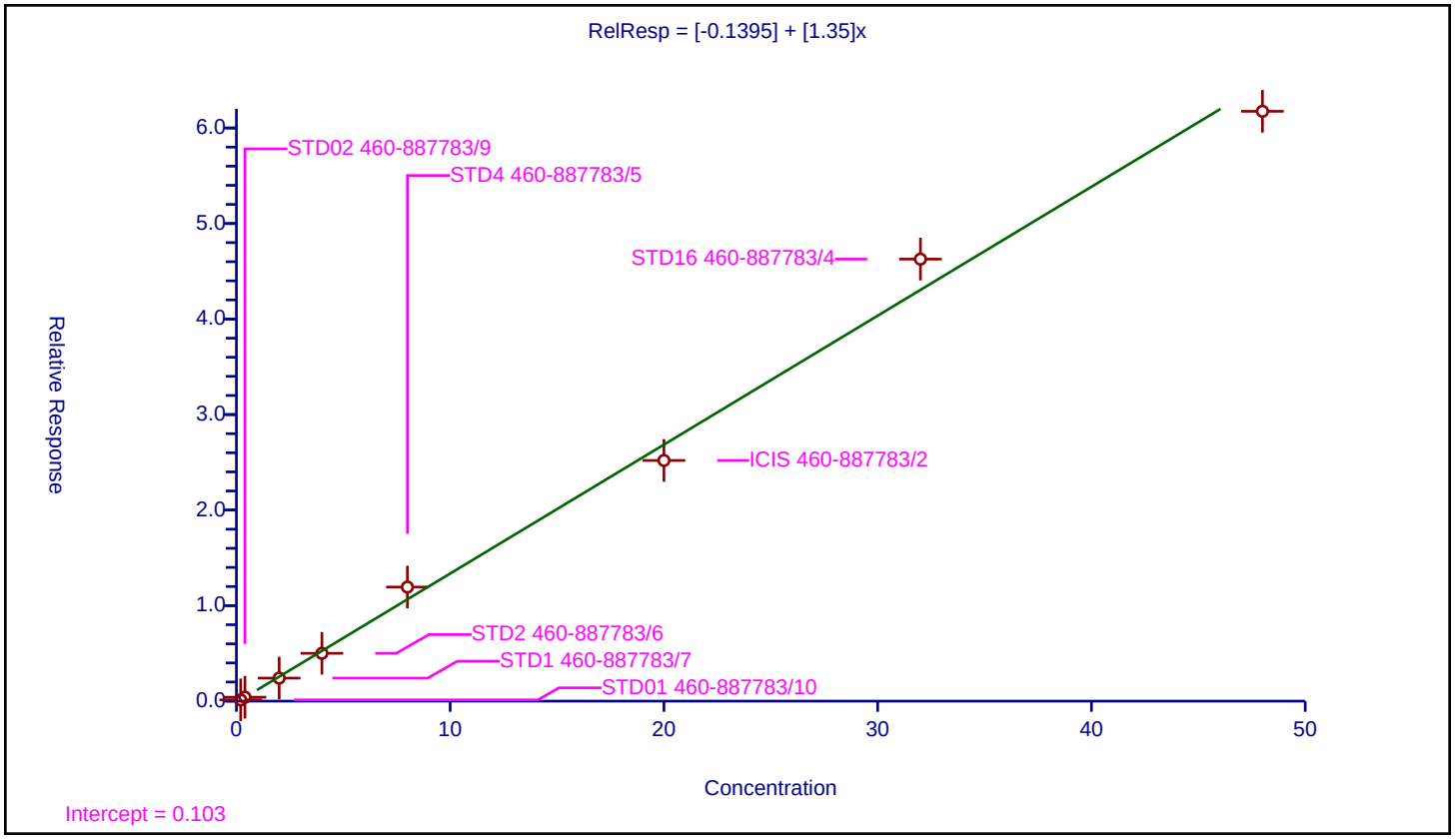
Curve Coefficients

Intercept:	-0.1395
Slope:	1.35

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.2	0.129367	8.0	283782.0	0.646835	Y
2	STD02 460-887783/9	0.4	0.410175	8.0	272937.0	1.025438	Y
3	STD1 460-887783/7	2.0	2.410754	8.0	294590.0	1.205377	Y
4	STD2 460-887783/6	4.0	5.007177	8.0	313911.0	1.251794	Y
5	STD4 460-887783/5	8.0	11.942758	8.0	245485.0	1.492845	Y
6	ICIS 460-887783/2	20.0	25.196779	8.0	281529.0	1.259839	Y
7	STD16 460-887783/4	32.0	46.274089	8.0	262229.0	1.446065	Y
8	STD24 460-887783/3	48.0	61.74724	8.0	289160.0	1.286401	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

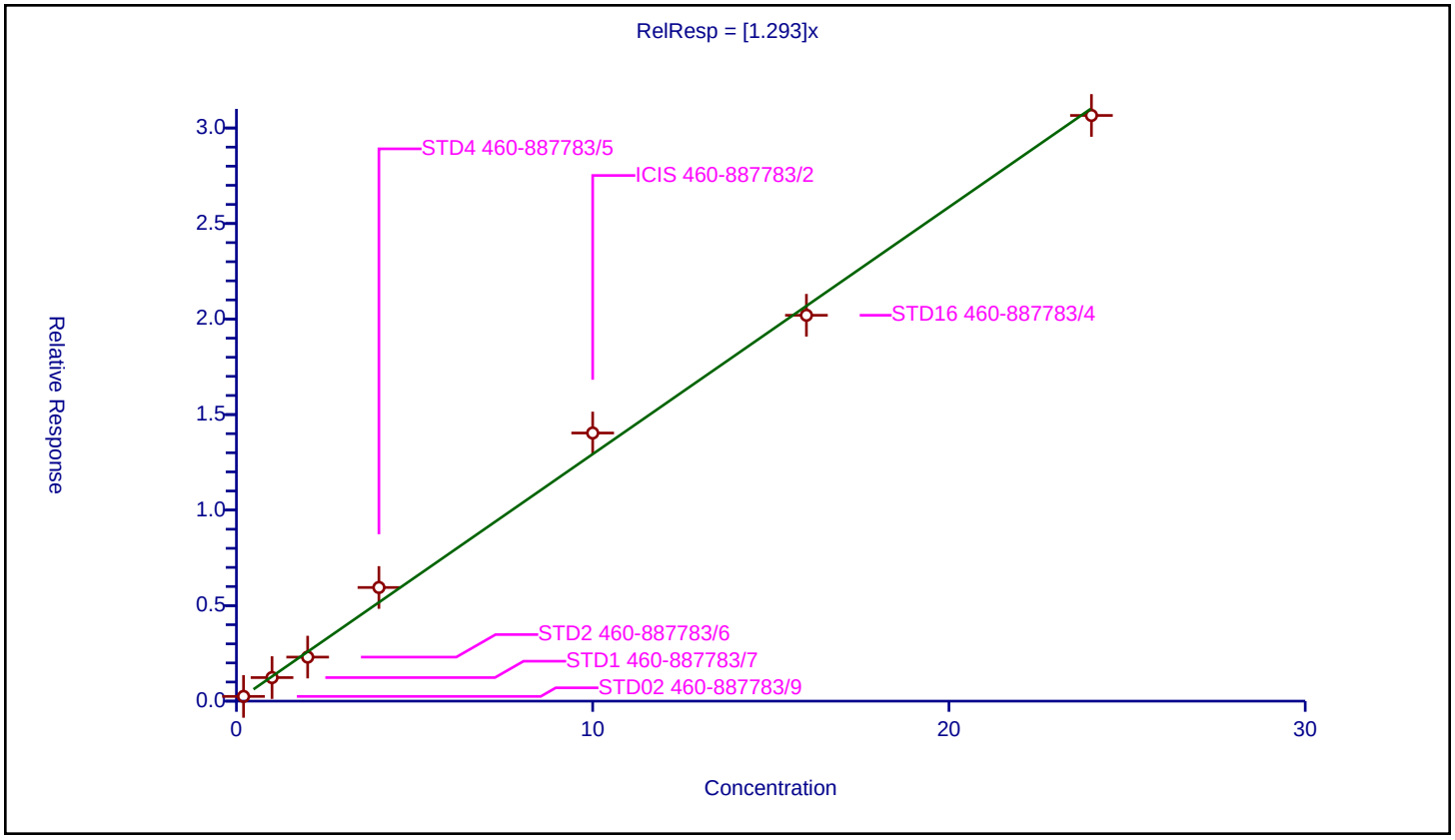
Curve Coefficients

Intercept:	0
Slope:	1.293

Error Coefficients

Standard Error:	571000
Relative Standard Error:	8.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.246768	8.0	272937.0	1.233838	Y
2	STD1 460-887783/7	1.0	1.233389	8.0	294590.0	1.233389	Y
3	STD2 460-887783/6	2.0	2.305367	8.0	313911.0	1.152683	Y
4	STD4 460-887783/5	4.0	5.948877	8.0	245485.0	1.487219	Y
5	ICIS 460-887783/2	10.0	14.03476	8.0	281529.0	1.403476	Y
6	STD16 460-887783/4	16.0	20.198315	8.0	262229.0	1.262395	Y
7	STD24 460-887783/3	24.0	30.65738	8.0	289160.0	1.277391	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

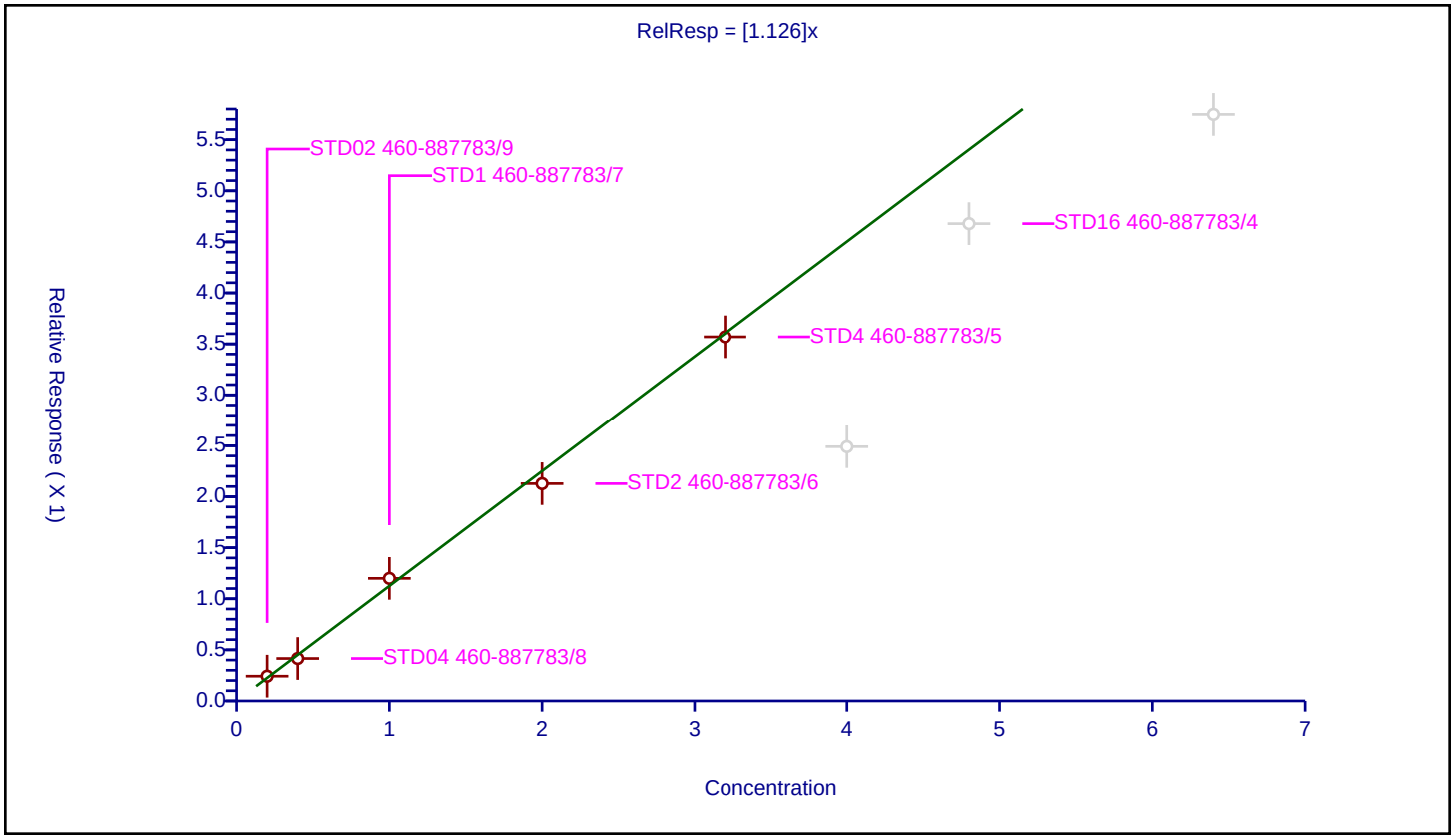
Curve Coefficients

Intercept:	0
Slope:	1.126

Error Coefficients

Standard Error:	72800
Relative Standard Error:	6.9
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.242224	8.0	272937.0	1.211122	Y
2	STD04 460-887783/8	0.4	0.415168	8.0	286342.0	1.03792	Y
3	STD1 460-887783/7	1.0	1.199579	8.0	294590.0	1.199579	Y
4	STD2 460-887783/6	2.0	2.128603	8.0	313911.0	1.064302	Y
5	STD4 460-887783/5	3.2	3.569652	8.0	245485.0	1.115516	Y
6	ICIS 460-887783/2	4.0	2.490798	8.0	281529.0	0.6227	N
7	STD16 460-887783/4	4.8	4.679025	8.0	262229.0	0.974797	N
8	STD24 460-887783/3	6.4	5.747406	8.0	289160.0	0.898032	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

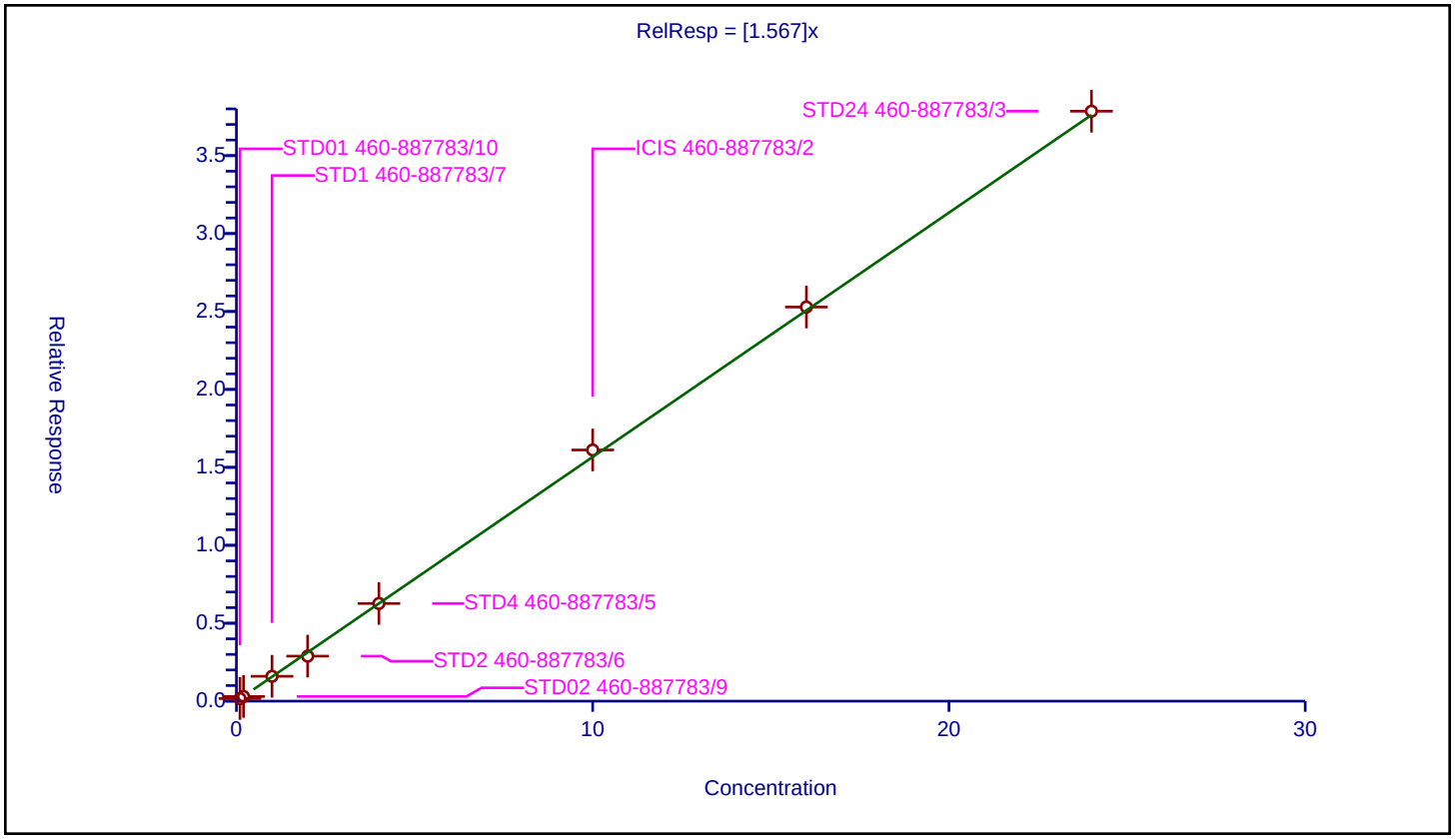
Curve Coefficients

Intercept:	0
Slope:	1.567

Error Coefficients

Standard Error:	647000
Relative Standard Error:	4.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.166128	8.0	283782.0	1.661275	Y
2	STD02 460-887783/9	0.2	0.300201	8.0	272937.0	1.501006	Y
3	STD1 460-887783/7	1.0	1.594949	8.0	294590.0	1.594949	Y
4	STD2 460-887783/6	2.0	2.886882	8.0	313911.0	1.443441	Y
5	STD4 460-887783/5	4.0	6.265703	8.0	245485.0	1.566426	Y
6	ICIS 460-887783/2	10.0	16.114887	8.0	281529.0	1.611489	Y
7	STD16 460-887783/4	16.0	25.28599	8.0	262229.0	1.580374	Y
8	STD24 460-887783/3	24.0	37.850048	8.0	289160.0	1.577085	Y



2/7/2023 12:09 PM

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

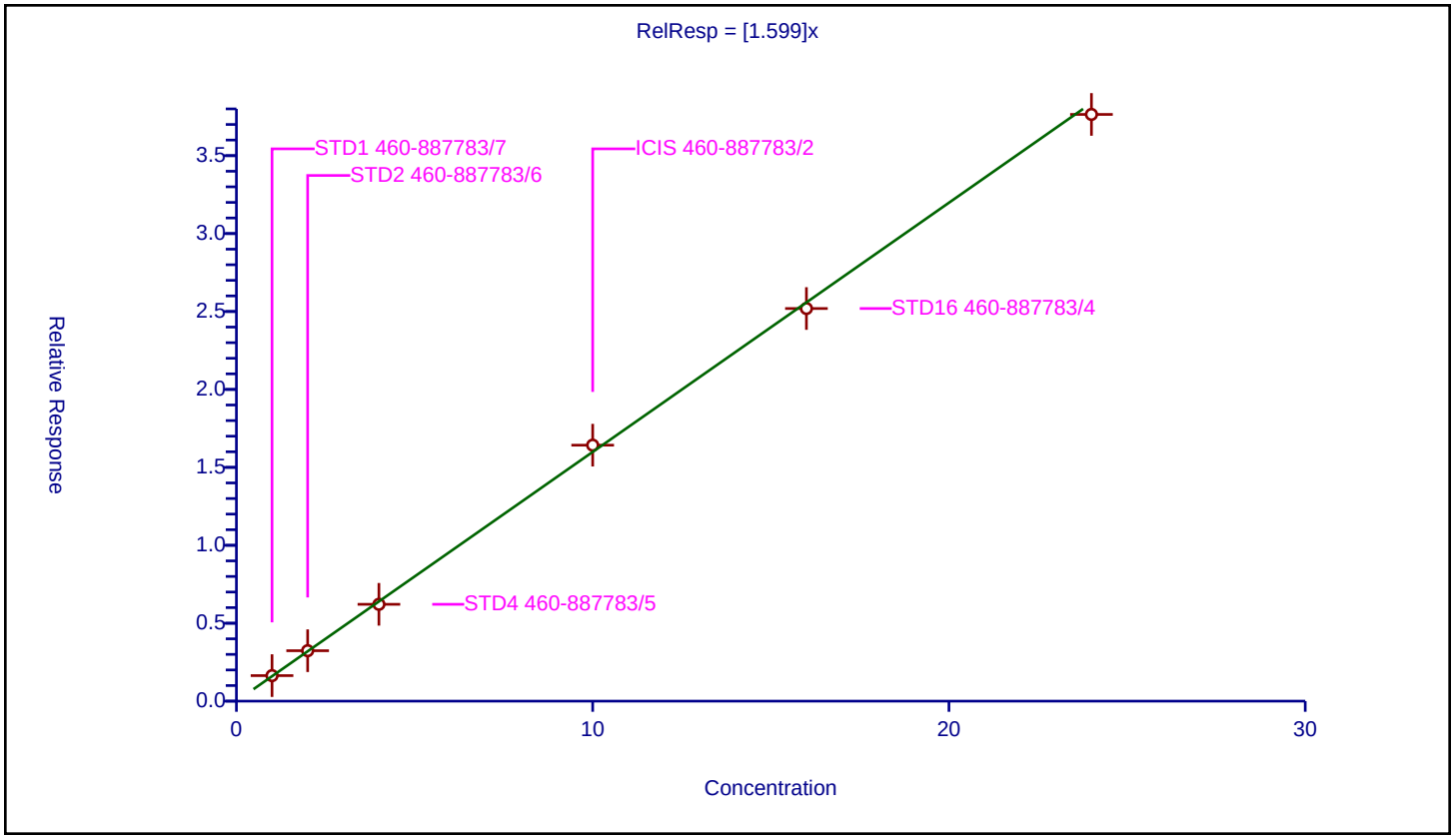
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Standard Error:	765000
Relative Standard Error:	2.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.637123	8.0	294590.0	1.637123	Y
2	STD2 460-887783/6	2.0	3.235898	8.0	313911.0	1.617949	Y
3	STD4 460-887783/5	4.0	6.212811	8.0	245485.0	1.553203	Y
4	ICIS 460-887783/2	10.0	16.423999	8.0	281529.0	1.6424	Y
5	STD16 460-887783/4	16.0	25.1916	8.0	262229.0	1.574475	Y
6	STD24 460-887783/3	24.0	37.644764	8.0	289160.0	1.568532	Y



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

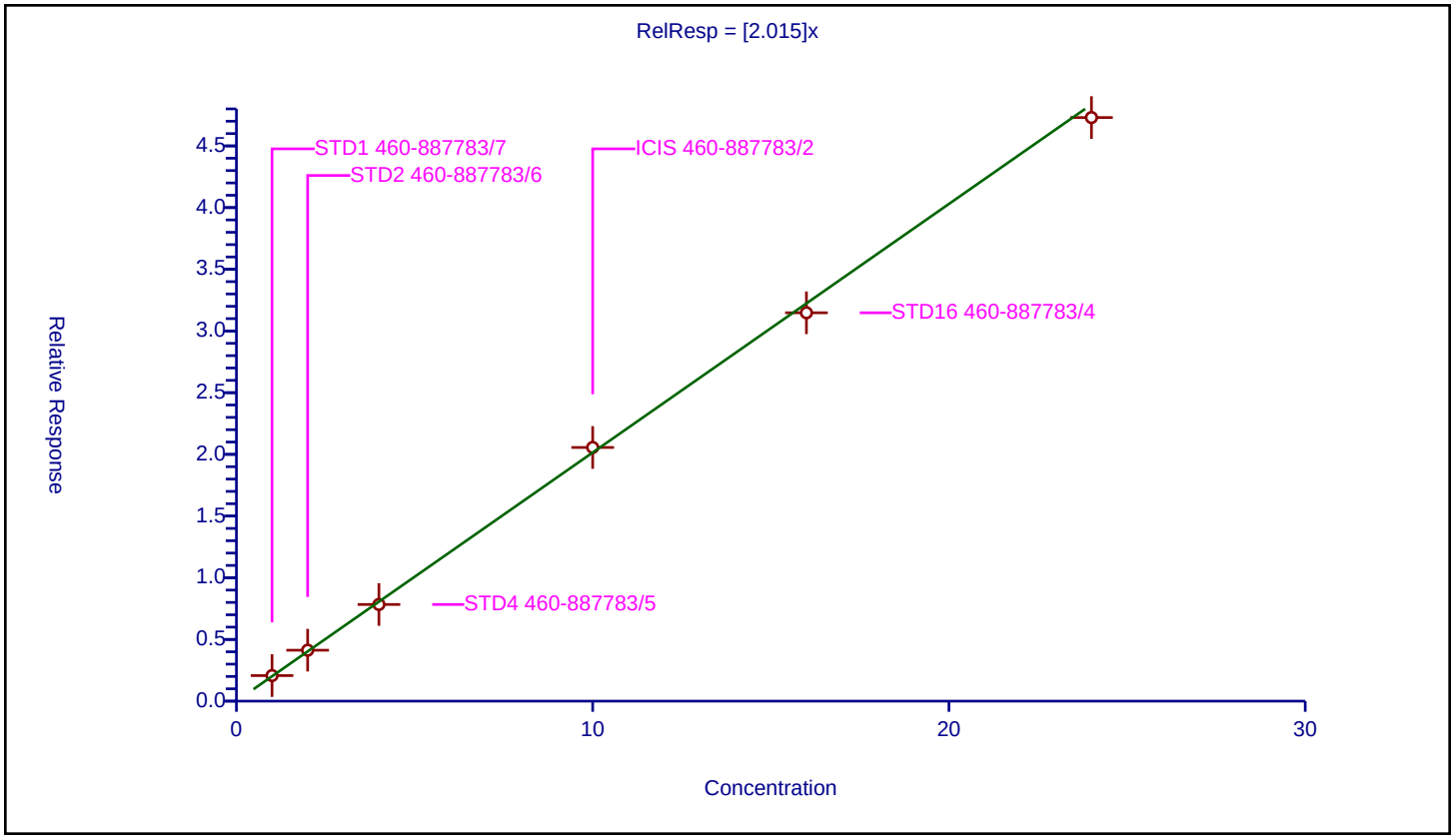
Curve Coefficients

Intercept:	0
Slope:	2.015

Error Coefficients

Standard Error:	959000
Relative Standard Error:	2.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	2.072087	8.0	294590.0	2.072087	Y
2	STD2 460-887783/6	2.0	4.128941	8.0	313911.0	2.064471	Y
3	STD4 460-887783/5	4.0	7.833733	8.0	245485.0	1.958433	Y
4	ICIS 460-887783/2	10.0	20.560155	8.0	281529.0	2.056016	Y
5	STD16 460-887783/4	16.0	31.47542	8.0	262229.0	1.967214	Y
6	STD24 460-887783/3	24.0	47.298603	8.0	289160.0	1.970775	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

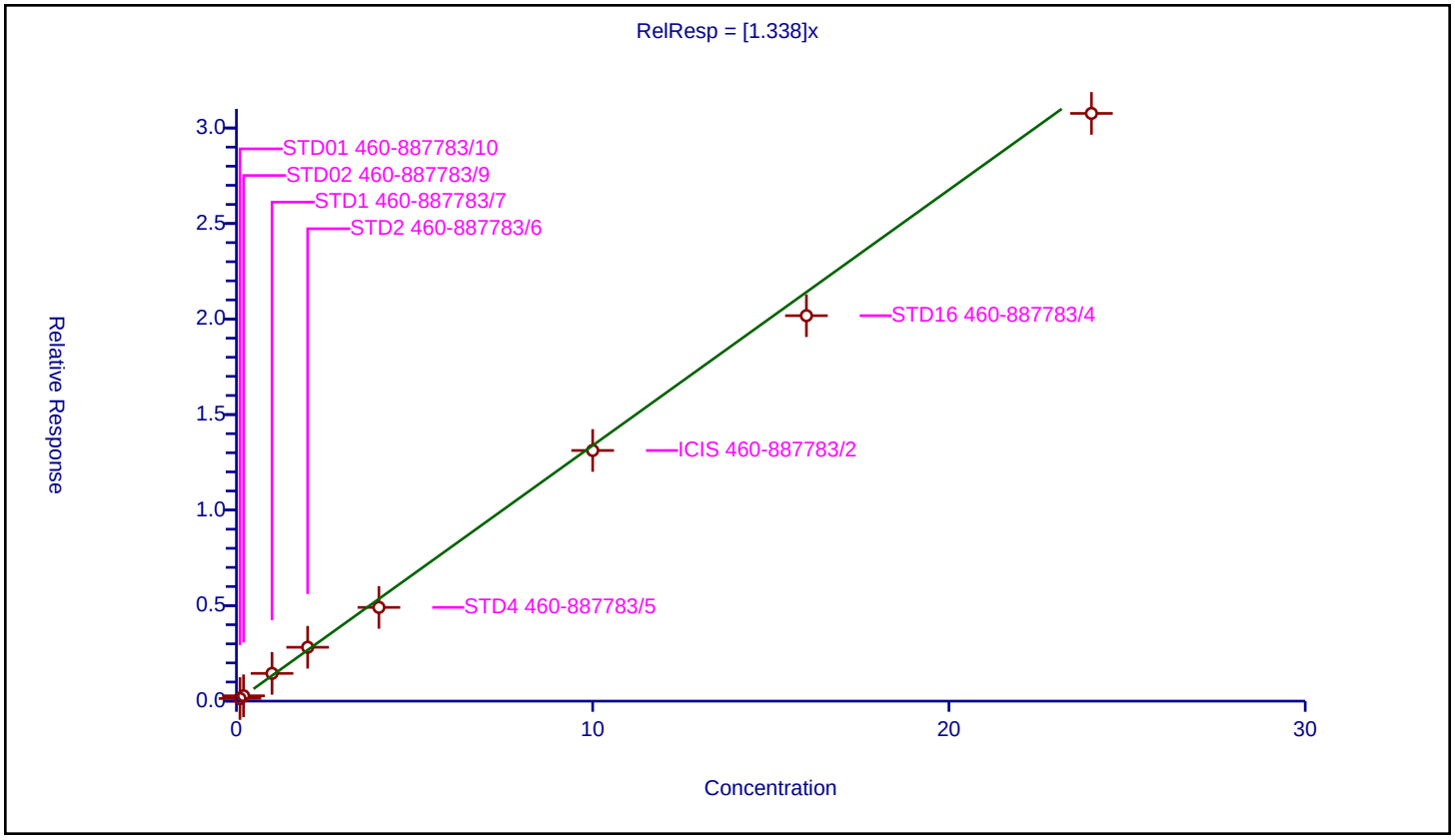
Curve Coefficients

Intercept:	0
Slope:	1.338

Error Coefficients

Standard Error:	524000
Relative Standard Error:	6.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.136696	8.0	283782.0	1.366965	Y
2	STD02 460-887783/9	0.2	0.278892	8.0	272937.0	1.394461	Y
3	STD1 460-887783/7	1.0	1.452459	8.0	294590.0	1.452459	Y
4	STD2 460-887783/6	2.0	2.819143	8.0	313911.0	1.409572	Y
5	STD4 460-887783/5	4.0	4.906858	8.0	245485.0	1.226714	Y
6	ICIS 460-887783/2	10.0	13.120638	8.0	281529.0	1.312064	Y
7	STD16 460-887783/4	16.0	20.176411	8.0	262229.0	1.261026	Y
8	STD24 460-887783/3	24.0	30.763895	8.0	289160.0	1.281829	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

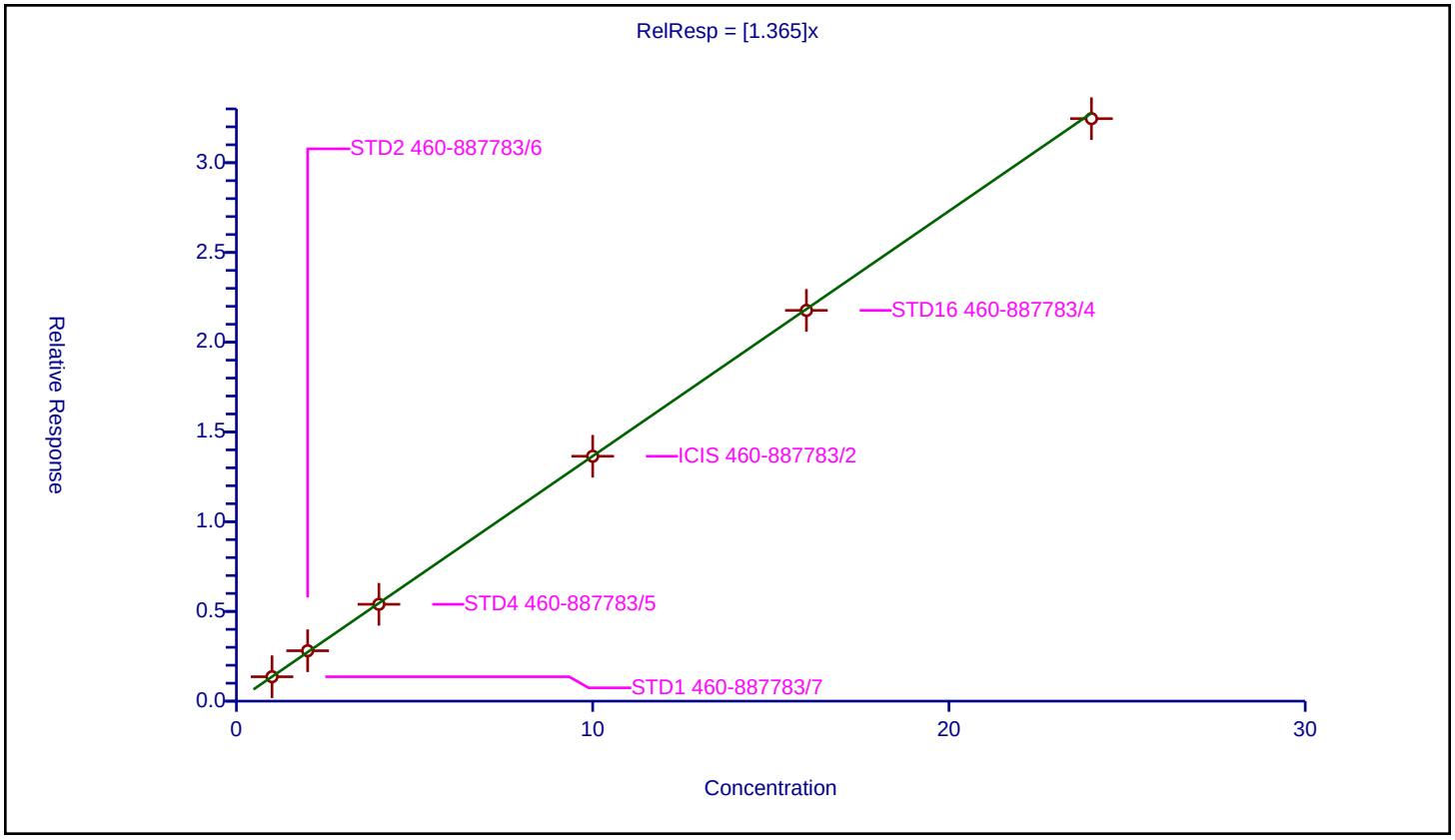
Curve Coefficients

Intercept:	0
Slope:	1.365

Error Coefficients

Standard Error:	657000
Relative Standard Error:	1.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.360345	8.0	294590.0	1.360345	Y
2	STD2 460-887783/6	2.0	2.808822	8.0	313911.0	1.404411	Y
3	STD4 460-887783/5	4.0	5.397055	8.0	245485.0	1.349264	Y
4	ICIS 460-887783/2	10.0	13.645713	8.0	281529.0	1.364571	Y
5	STD16 460-887783/4	16.0	21.771536	8.0	262229.0	1.360721	Y
6	STD24 460-887783/3	24.0	32.454669	8.0	289160.0	1.352278	Y



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Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

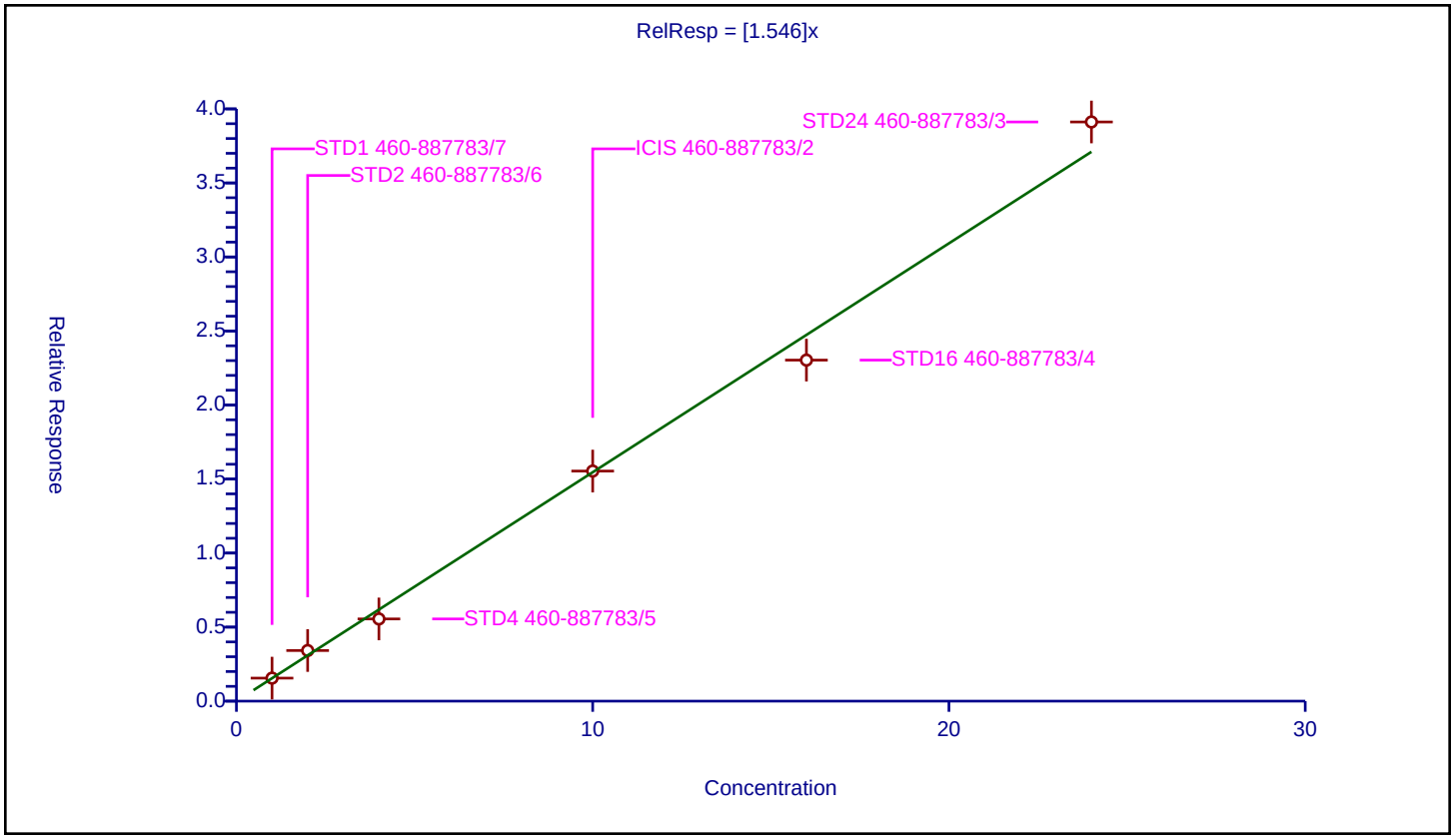
Curve Coefficients

Intercept:	0
Slope:	1.546

Error Coefficients

Standard Error:	764000
Relative Standard Error:	7.7
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.555246	8.0	294590.0	1.555246	Y
2	STD2 460-887783/6	2.0	3.418319	8.0	313911.0	1.70916	Y
3	STD4 460-887783/5	4.0	5.551622	8.0	245485.0	1.387906	Y
4	ICIS 460-887783/2	10.0	15.540083	8.0	281529.0	1.554008	Y
5	STD16 460-887783/4	16.0	23.033394	8.0	262229.0	1.439587	Y
6	STD24 460-887783/3	24.0	39.115977	8.0	289160.0	1.629832	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

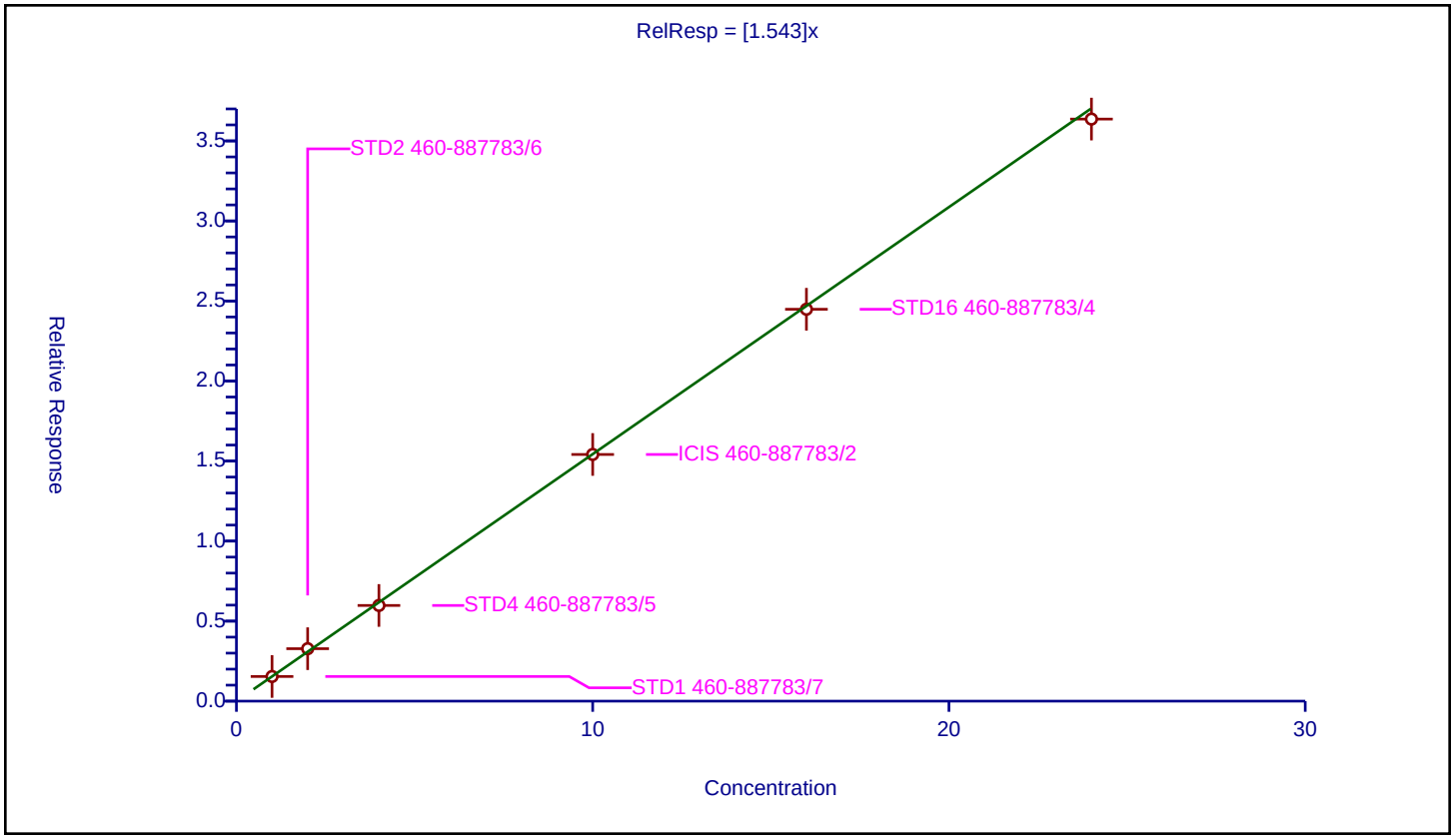
Curve Coefficients

Intercept:	0
Slope:	1.543

Error Coefficients

Standard Error:	737000
Relative Standard Error:	3.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.540229	8.0	294590.0	1.540229	Y
2	STD2 460-887783/6	2.0	3.276827	8.0	313911.0	1.638413	Y
3	STD4 460-887783/5	4.0	5.97687	8.0	245485.0	1.494218	Y
4	ICIS 460-887783/2	10.0	15.411073	8.0	281529.0	1.541107	Y
5	STD16 460-887783/4	16.0	24.482632	8.0	262229.0	1.530164	Y
6	STD24 460-887783/3	24.0	36.363591	8.0	289160.0	1.51515	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

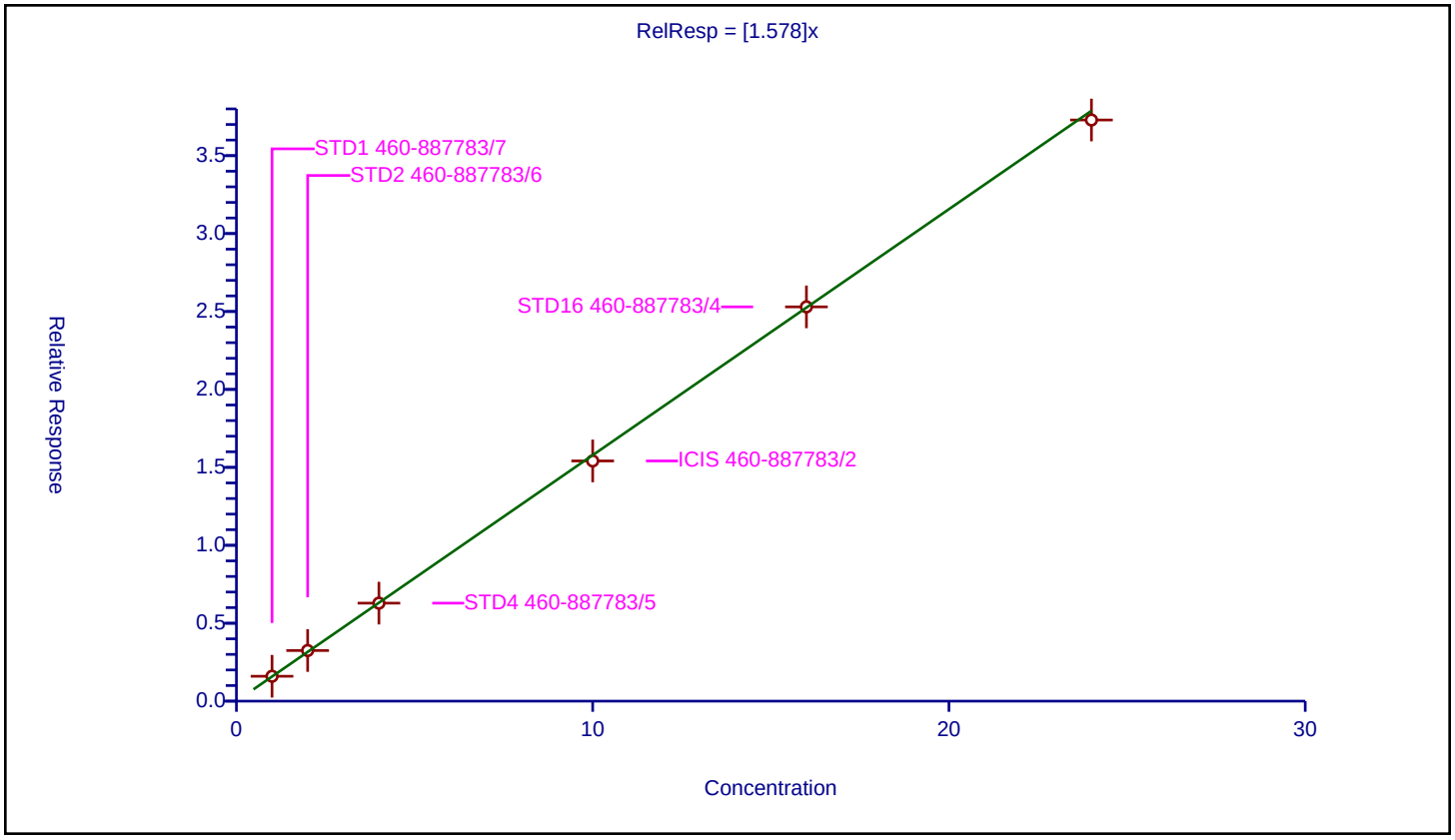
Curve Coefficients

Intercept:	0
Slope:	1.578

Error Coefficients

Standard Error:	756000
Relative Standard Error:	1.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.597746	8.0	294590.0	1.597746	Y
2	STD2 460-887783/6	2.0	3.247545	8.0	313911.0	1.623772	Y
3	STD4 460-887783/5	4.0	6.287863	8.0	245485.0	1.571966	Y
4	ICIS 460-887783/2	10.0	15.412039	8.0	281529.0	1.541204	Y
5	STD16 460-887783/4	16.0	25.29798	8.0	262229.0	1.581124	Y
6	STD24 460-887783/3	24.0	37.287204	8.0	289160.0	1.553634	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

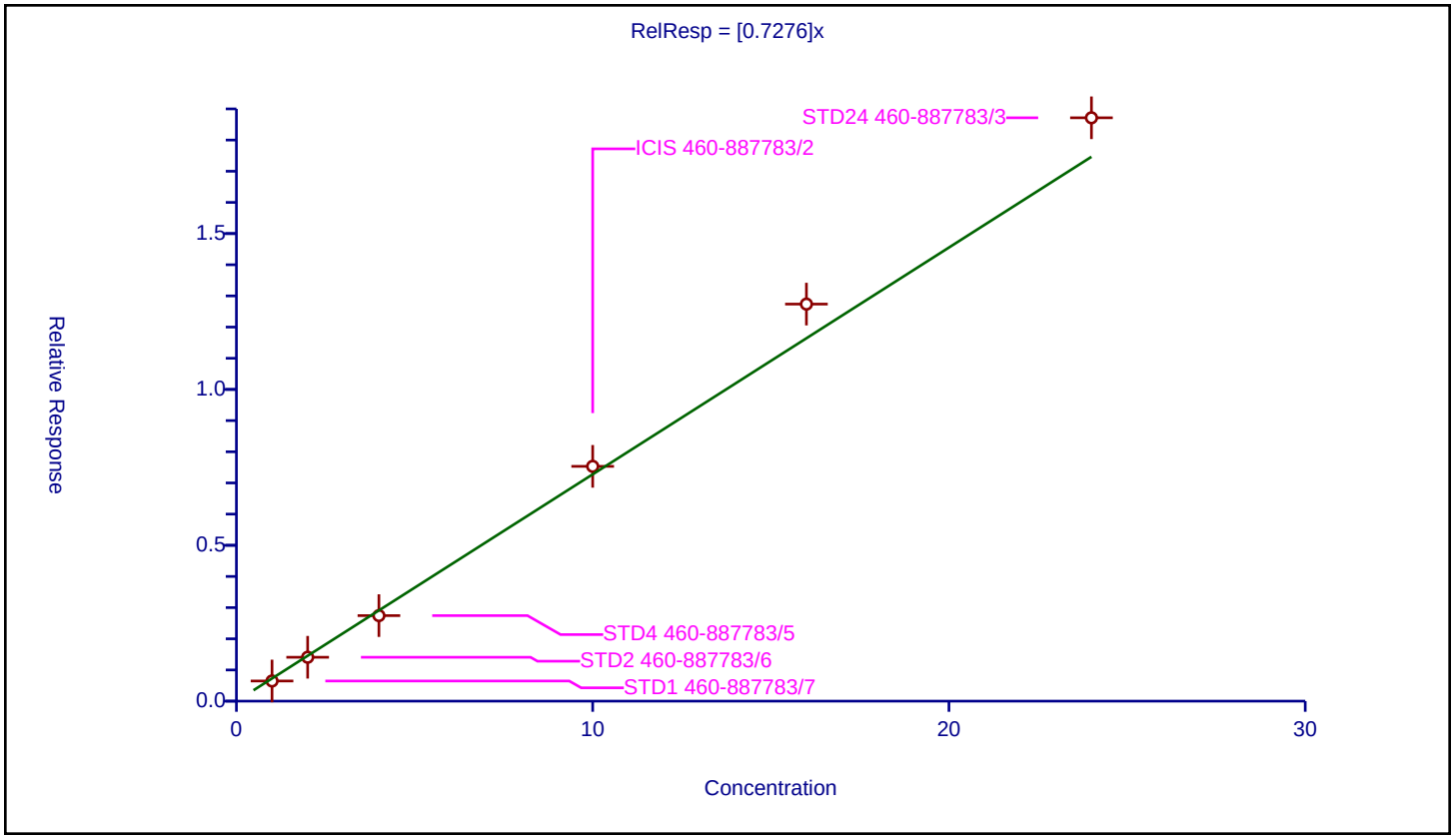
Curve Coefficients

Intercept:	0
Slope:	0.7276

Error Coefficients

Standard Error:	378000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.646648	8.0	294590.0	0.646648	Y
2	STD2 460-887783/6	2.0	1.408119	8.0	313911.0	0.704059	Y
3	STD4 460-887783/5	4.0	2.743663	8.0	245485.0	0.685916	Y
4	ICIS 460-887783/2	10.0	7.532808	8.0	281529.0	0.753281	Y
5	STD16 460-887783/4	16.0	12.73763	8.0	262229.0	0.796102	Y
6	STD24 460-887783/3	24.0	18.714179	8.0	289160.0	0.779757	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

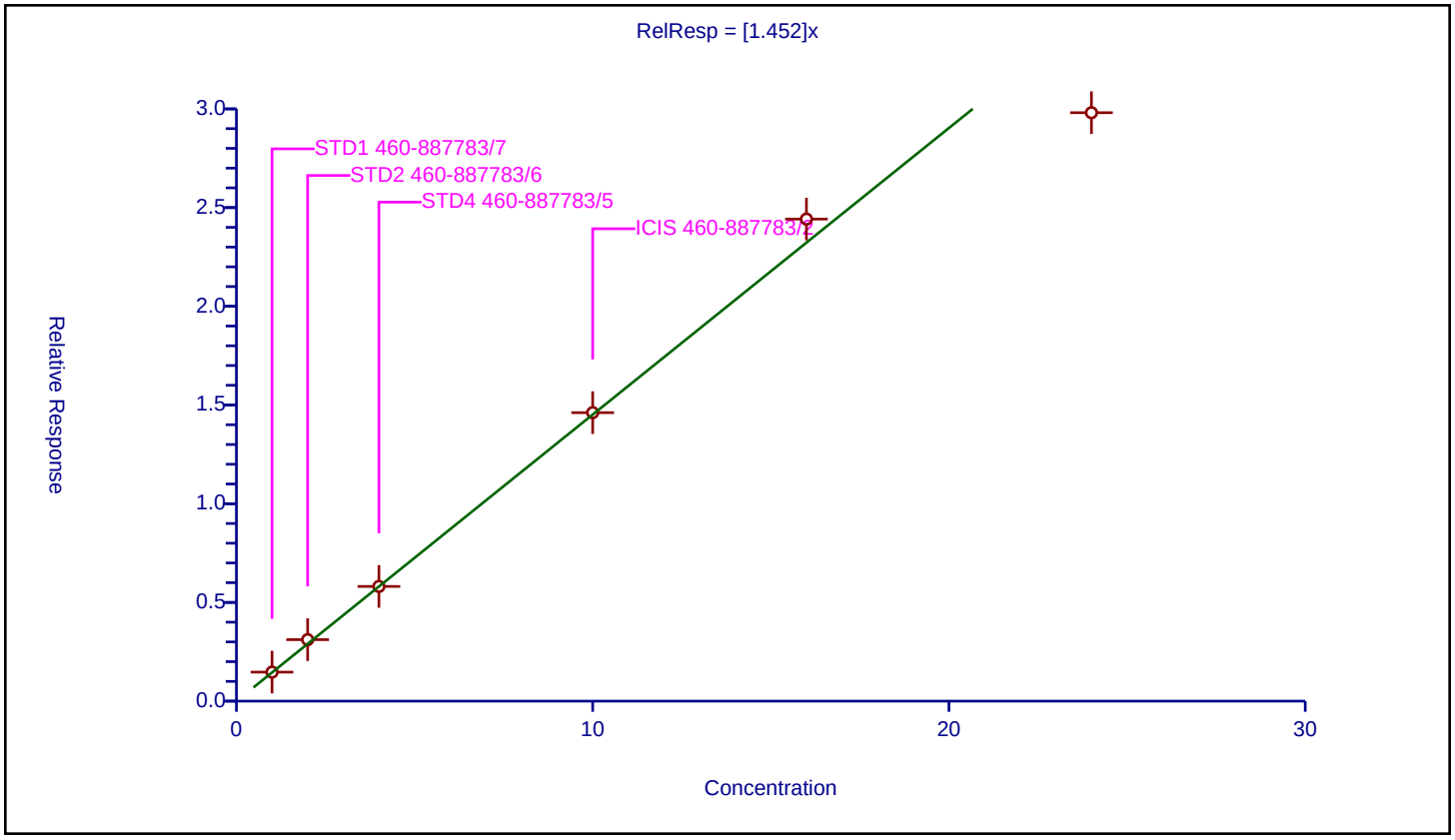
Curve Coefficients

Intercept:	0
Slope:	1.452

Error Coefficients

Standard Error:	650000
Relative Standard Error:	7.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.470057	8.0	294590.0	1.470057	Y
2	STD2 460-887783/6	2.0	3.114513	8.0	313911.0	1.557257	Y
3	STD4 460-887783/5	4.0	5.81031	8.0	245485.0	1.452578	Y
4	ICIS 460-887783/2	10.0	14.612775	8.0	281529.0	1.461278	Y
5	STD16 460-887783/4	16.0	24.418779	8.0	262229.0	1.526174	Y
6	STD24 460-887783/3	24.0	29.807664	8.0	289160.0	1.241986	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

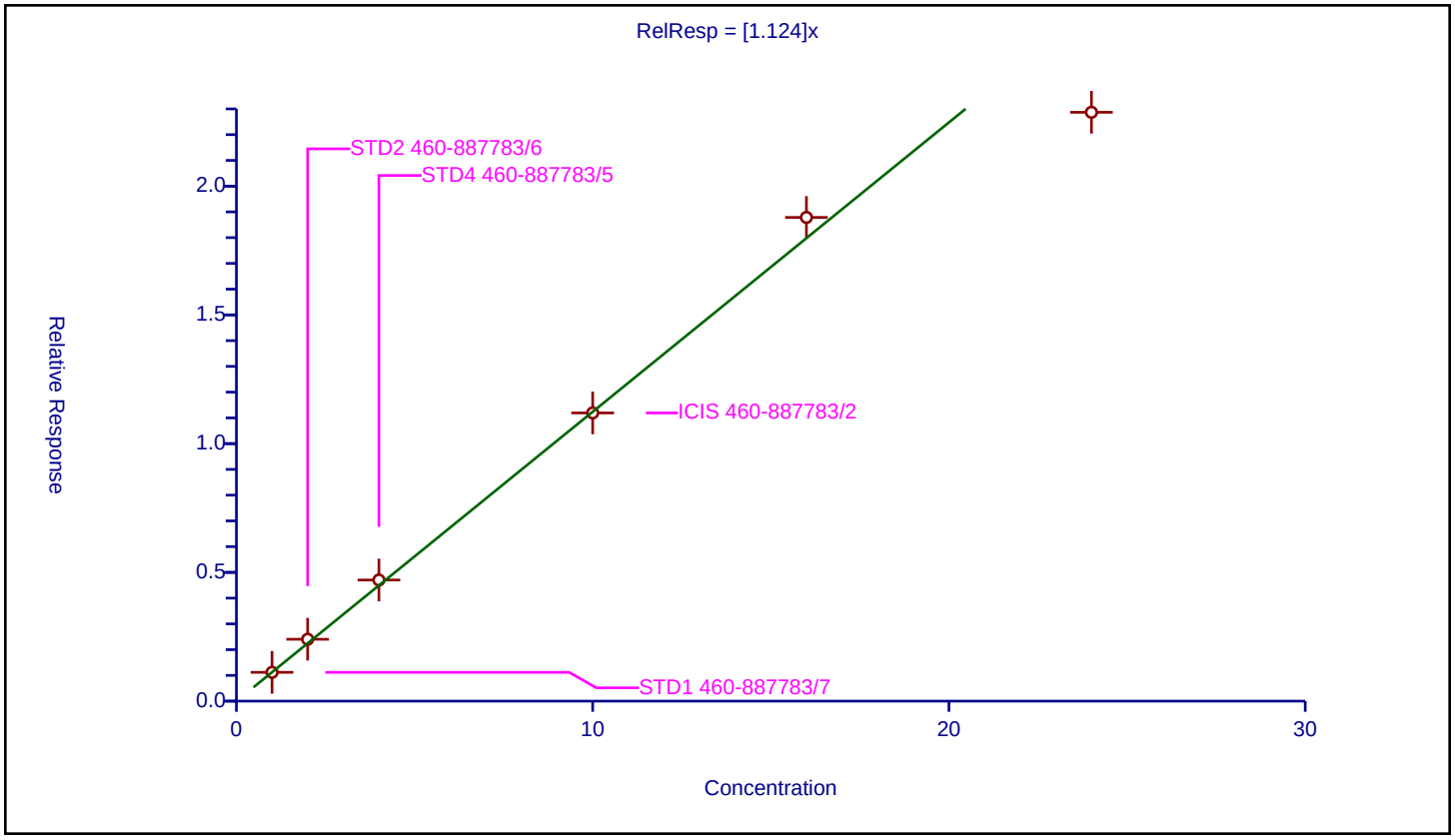
Curve Coefficients

Intercept:	0
Slope:	1.124

Error Coefficients

Standard Error:	500000
Relative Standard Error:	8.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.118599	8.0	294590.0	1.118599	Y
2	STD2 460-887783/6	2.0	2.403305	8.0	313911.0	1.201653	Y
3	STD4 460-887783/5	4.0	4.703799	8.0	245485.0	1.17595	Y
4	ICIS 460-887783/2	10.0	11.193305	8.0	281529.0	1.119331	Y
5	STD16 460-887783/4	16.0	18.785199	8.0	262229.0	1.174075	Y
6	STD24 460-887783/3	24.0	22.86734	8.0	289160.0	0.952806	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

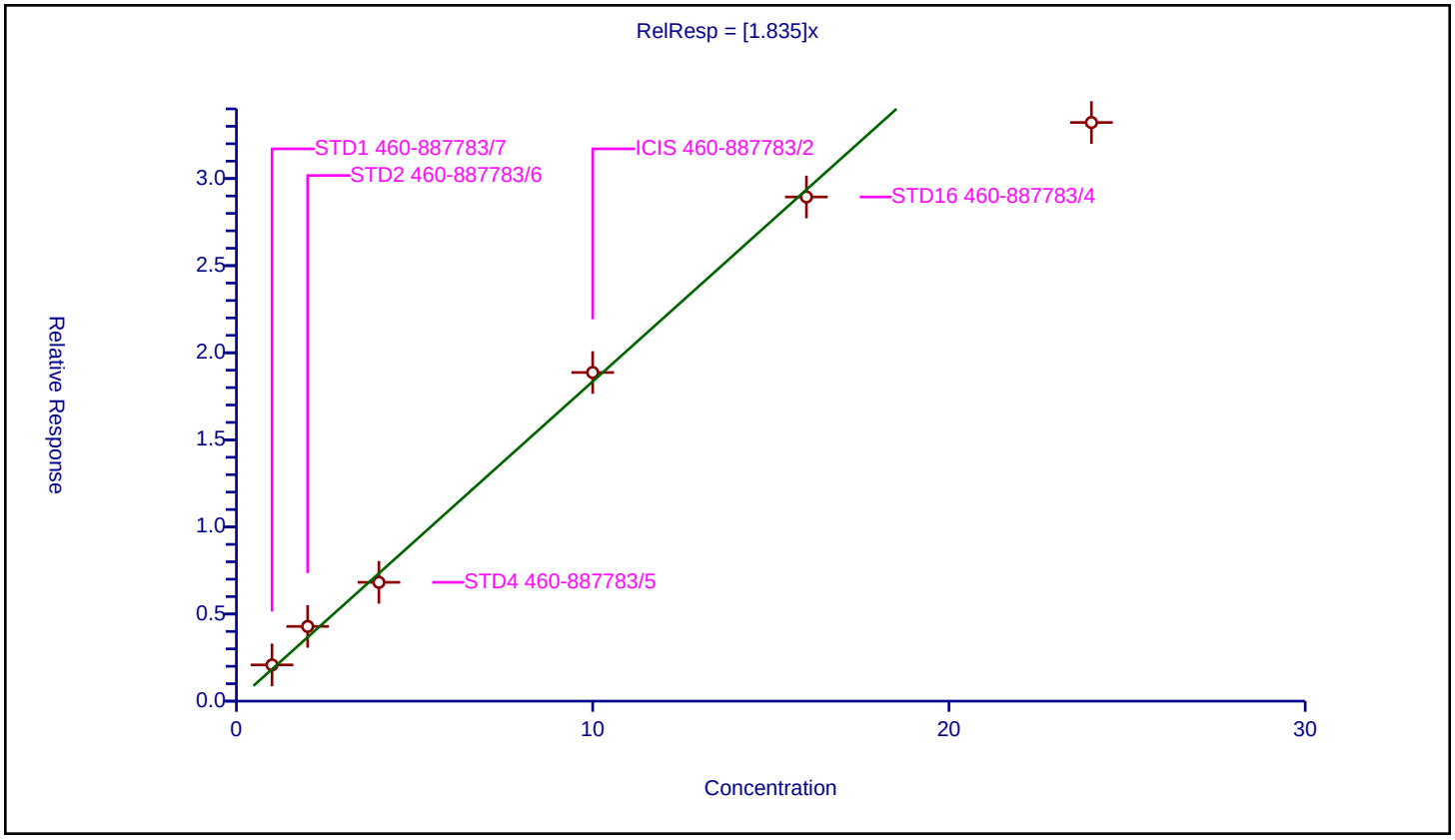
Curve Coefficients

Intercept:	0
Slope:	1.835

Error Coefficients

Standard Error:	756000
Relative Standard Error:	15.0
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	2.080451	8.0	294590.0	2.080451	Y
2	STD2 460-887783/6	2.0	4.289471	8.0	313911.0	2.144735	Y
3	STD4 460-887783/5	4.0	6.821109	8.0	245485.0	1.705277	Y
4	ICIS 460-887783/2	10.0	18.866746	8.0	281529.0	1.886675	Y
5	STD16 460-887783/4	16.0	28.943618	8.0	262229.0	1.808976	Y
6	STD24 460-887783/3	24.0	33.218509	8.0	289160.0	1.384105	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

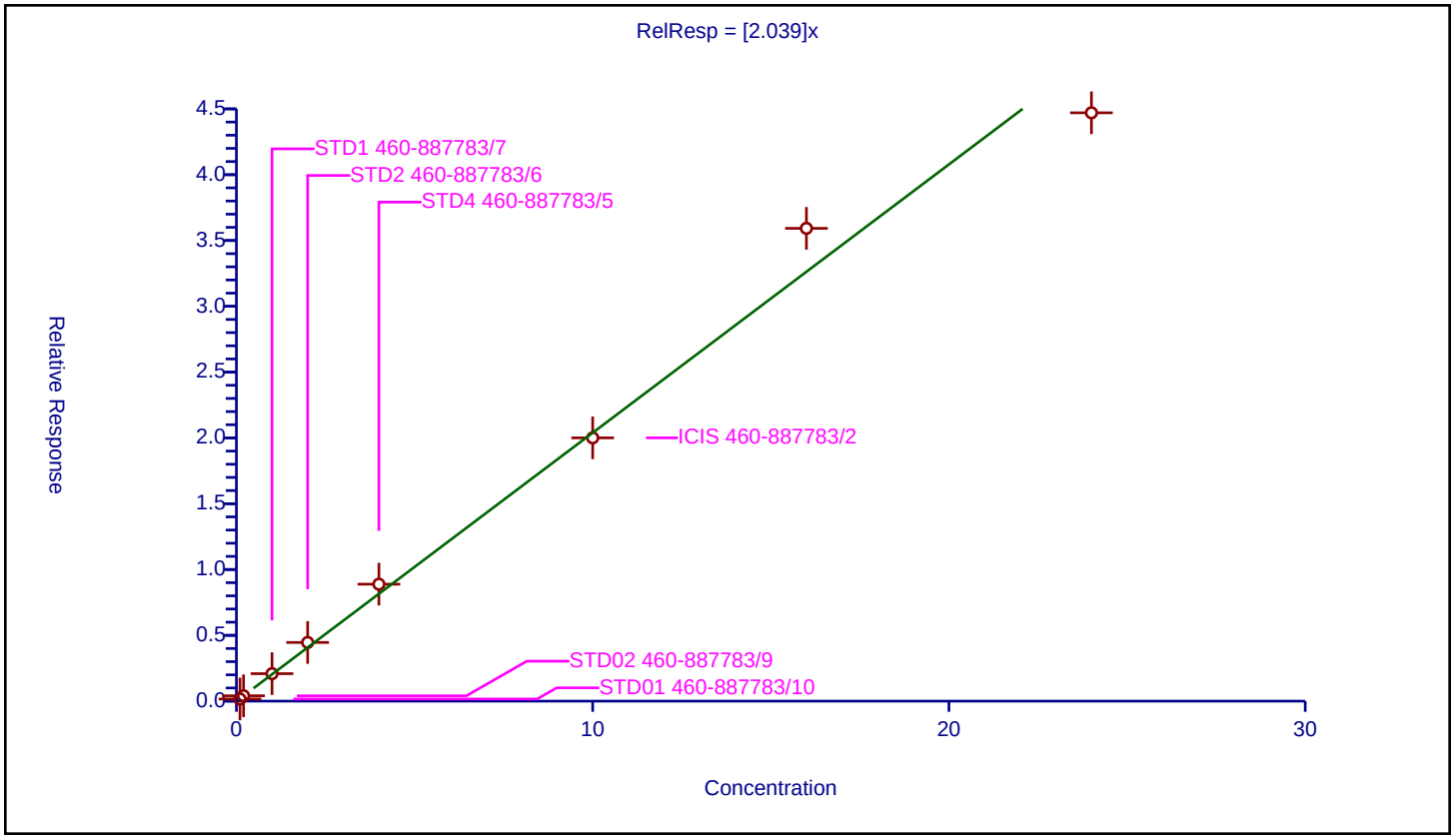
Curve Coefficients

Intercept:	0
Slope:	2.039

Error Coefficients

Standard Error:	811000
Relative Standard Error:	10.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.162998	8.0	283782.0	1.629984	Y
2	STD02 460-887783/9	0.2	0.407127	8.0	272937.0	2.035635	Y
3	STD1 460-887783/7	1.0	2.08724	8.0	294590.0	2.08724	Y
4	STD2 460-887783/6	2.0	4.45971	8.0	313911.0	2.229855	Y
5	STD4 460-887783/5	4.0	8.88781	8.0	245485.0	2.221952	Y
6	ICIS 460-887783/2	10.0	20.004731	8.0	281529.0	2.000473	Y
7	STD16 460-887783/4	16.0	35.922892	8.0	262229.0	2.245181	Y
8	STD24 460-887783/3	24.0	44.701701	8.0	289160.0	1.862571	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

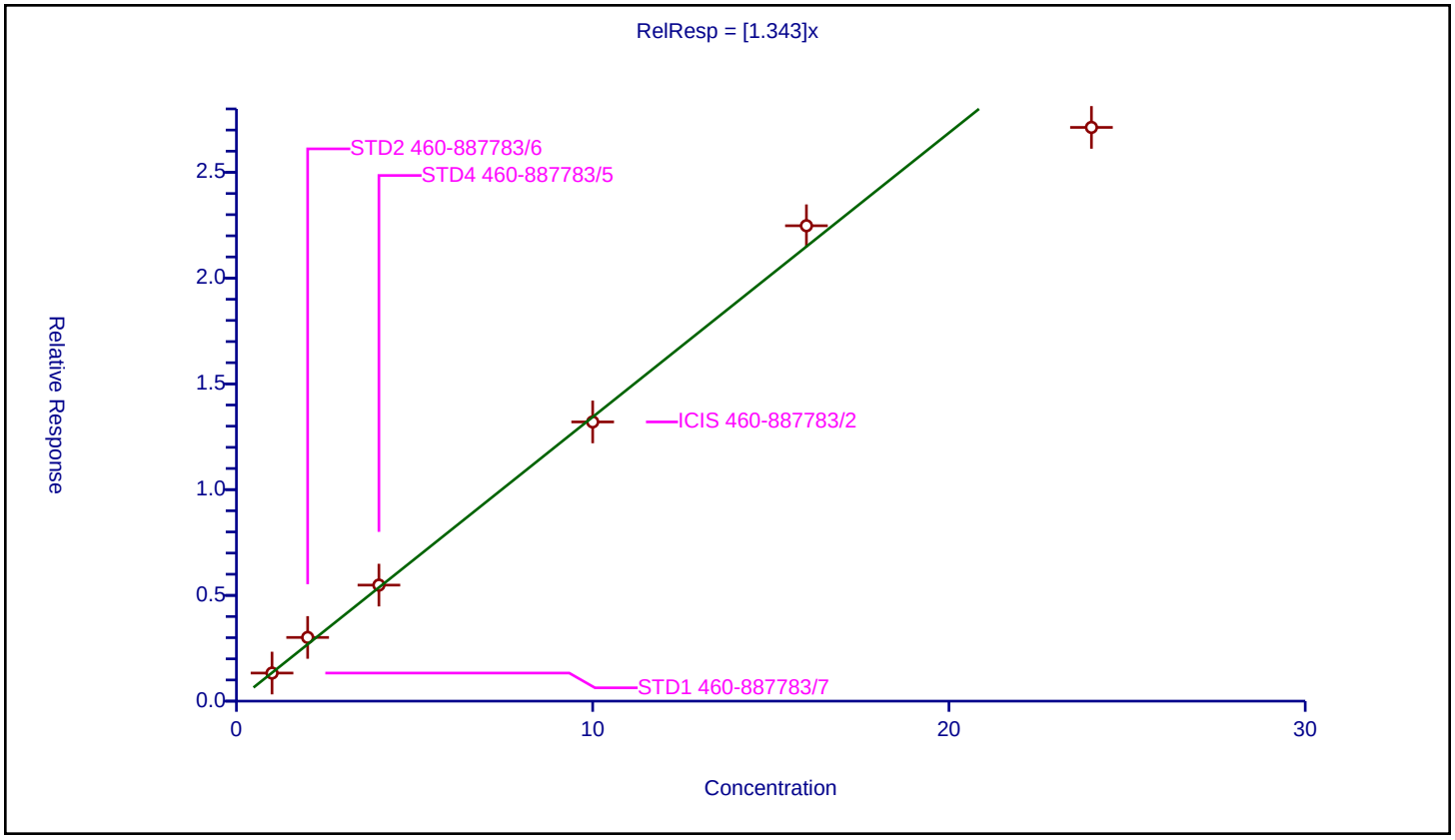
Curve Coefficients

Intercept:	0
Slope:	1.343

Error Coefficients

Standard Error:	594000
Relative Standard Error:	9.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.327459	8.0	294590.0	1.327459	Y
2	STD2 460-887783/6	2.0	3.011274	8.0	313911.0	1.505637	Y
3	STD4 460-887783/5	4.0	5.486217	8.0	245485.0	1.371554	Y
4	ICIS 460-887783/2	10.0	13.201084	8.0	281529.0	1.320108	Y
5	STD16 460-887783/4	16.0	22.47608	8.0	262229.0	1.404755	Y
6	STD24 460-887783/3	24.0	27.125384	8.0	289160.0	1.130224	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

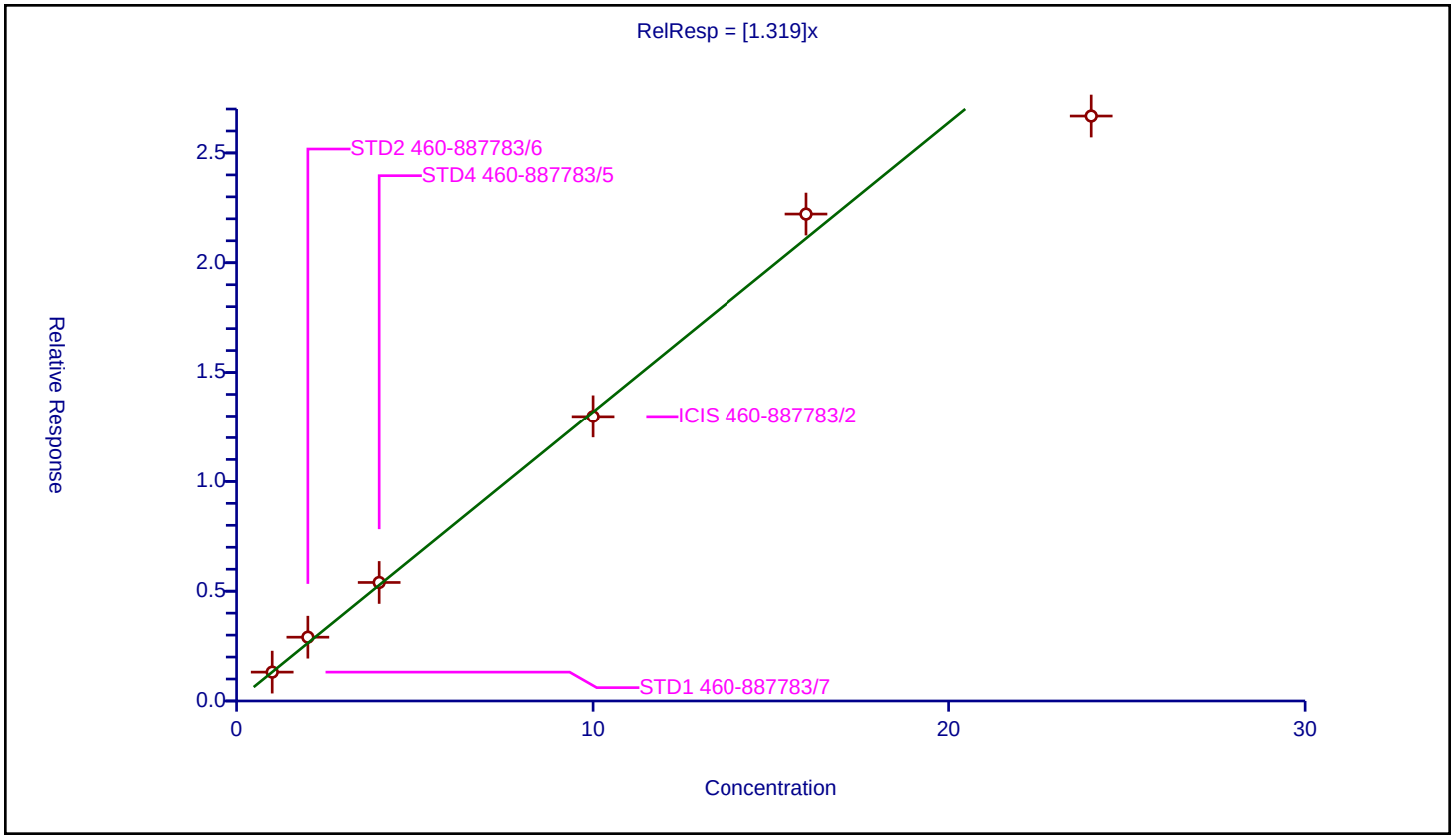
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	585000
Relative Standard Error:	8.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.314505	8.0	294590.0	1.314505	Y
2	STD2 460-887783/6	2.0	2.905435	8.0	313911.0	1.452717	Y
3	STD4 460-887783/5	4.0	5.39637	8.0	245485.0	1.349093	Y
4	ICIS 460-887783/2	10.0	12.982847	8.0	281529.0	1.298285	Y
5	STD16 460-887783/4	16.0	22.216673	8.0	262229.0	1.388542	Y
6	STD24 460-887783/3	24.0	26.68109	8.0	289160.0	1.111712	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

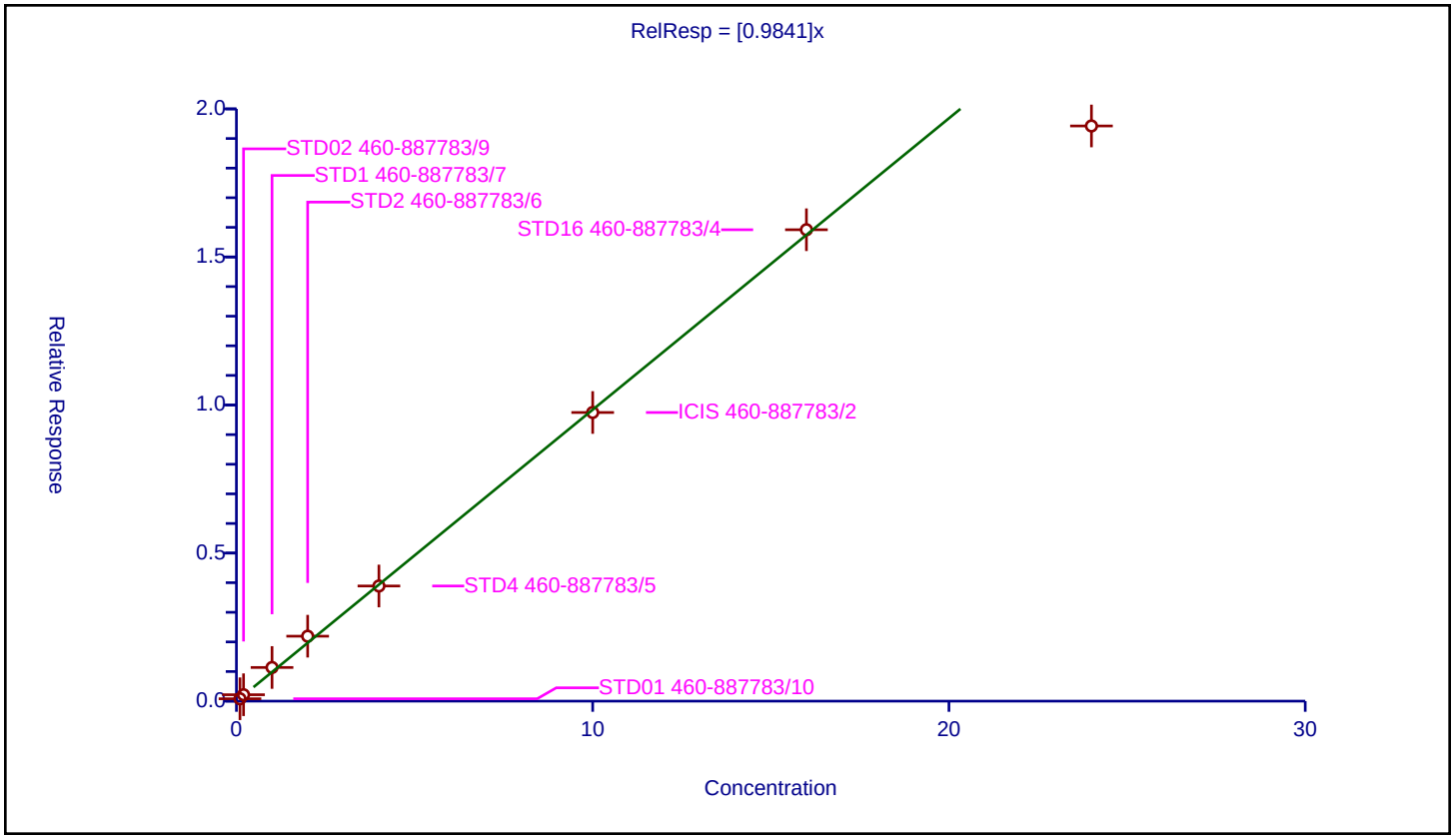
Curve Coefficients

Intercept:	0
Slope:	0.9841

Error Coefficients

Standard Error:	360000
Relative Standard Error:	12.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.080879	8.0	283782.0	0.80879	Y
2	STD02 460-887783/9	0.2	0.216079	8.0	272937.0	1.080396	Y
3	STD1 460-887783/7	1.0	1.136006	8.0	294590.0	1.136006	Y
4	STD2 460-887783/6	2.0	2.1928	8.0	313911.0	1.0964	Y
5	STD4 460-887783/5	4.0	3.888661	8.0	245485.0	0.972165	Y
6	ICIS 460-887783/2	10.0	9.747742	8.0	281529.0	0.974774	Y
7	STD16 460-887783/4	16.0	15.919277	8.0	262229.0	0.994955	Y
8	STD24 460-887783/3	24.0	19.423904	8.0	289160.0	0.809329	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

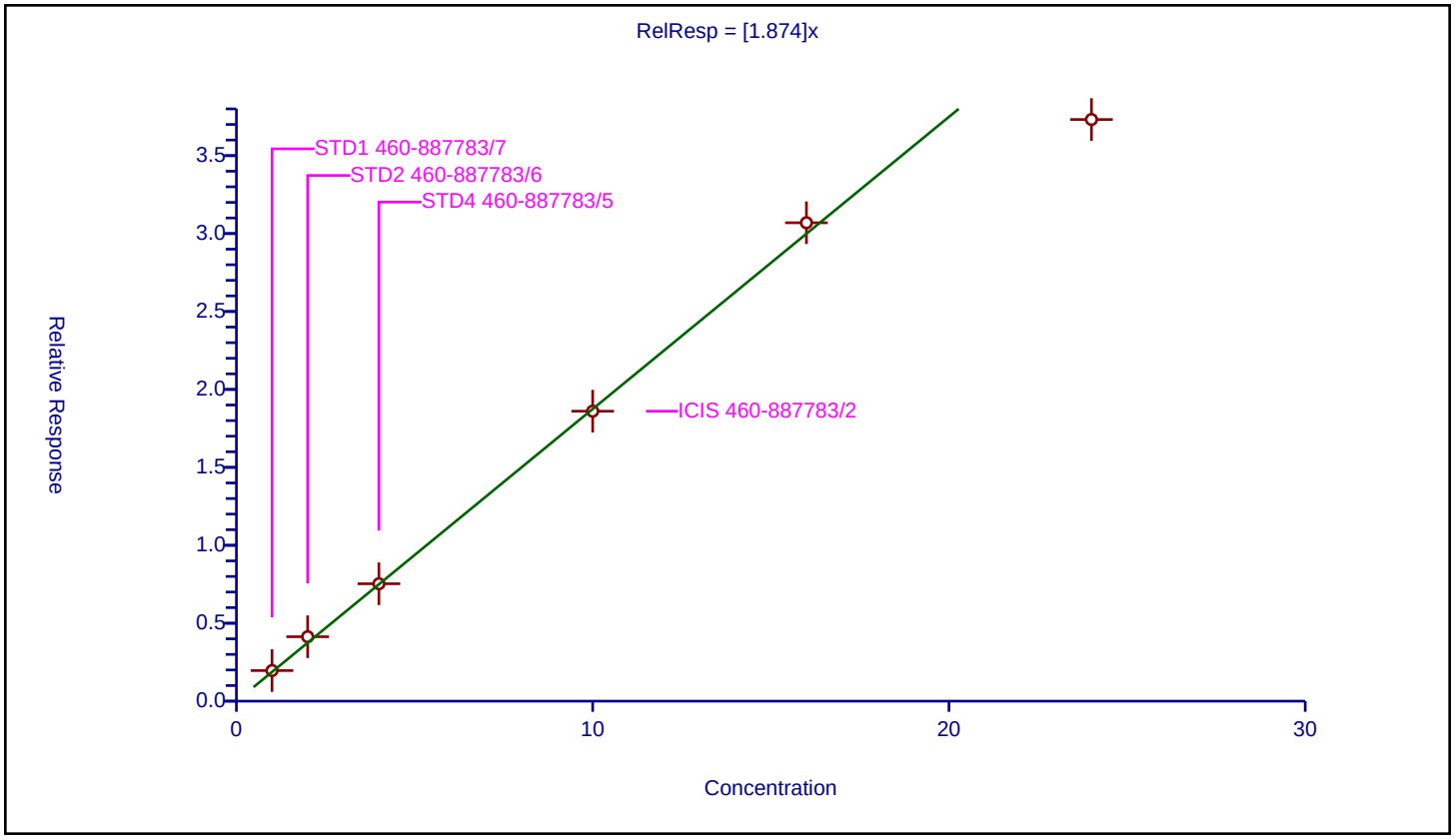
Curve Coefficients

Intercept:	0
Slope:	1.874

Error Coefficients

Standard Error:	818000
Relative Standard Error:	9.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.962945	8.0	294590.0	1.962945	Y
2	STD2 460-887783/6	2.0	4.133222	8.0	313911.0	2.066611	Y
3	STD4 460-887783/5	4.0	7.531311	8.0	245485.0	1.882828	Y
4	ICIS 460-887783/2	10.0	18.604549	8.0	281529.0	1.860455	Y
5	STD16 460-887783/4	16.0	30.694057	8.0	262229.0	1.918379	Y
6	STD24 460-887783/3	24.0	37.317886	8.0	289160.0	1.554912	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

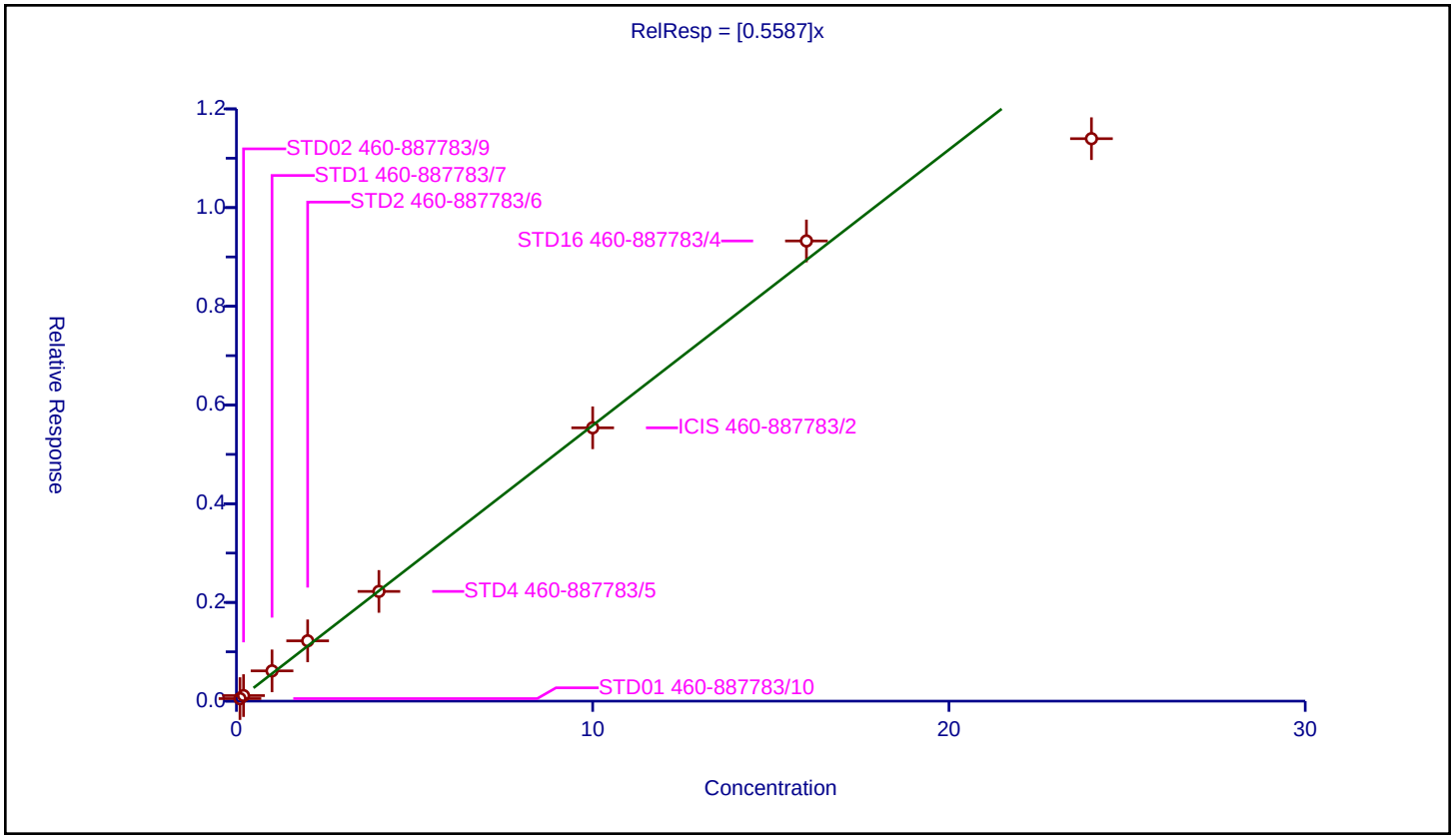
Curve Coefficients

Intercept:	0
Slope:	0.5587

Error Coefficients

Standard Error:	210000
Relative Standard Error:	8.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.051561	8.0	283782.0	0.515607	Y
2	STD02 460-887783/9	0.2	0.112436	8.0	272937.0	0.562181	Y
3	STD1 460-887783/7	1.0	0.613436	8.0	294590.0	0.613436	Y
4	STD2 460-887783/6	2.0	1.222053	8.0	313911.0	0.611027	Y
5	STD4 460-887783/5	4.0	2.223028	8.0	245485.0	0.555757	Y
6	ICIS 460-887783/2	10.0	5.538101	8.0	281529.0	0.55381	Y
7	STD16 460-887783/4	16.0	9.324583	8.0	262229.0	0.582786	Y
8	STD24 460-887783/3	24.0	11.396514	8.0	289160.0	0.474855	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

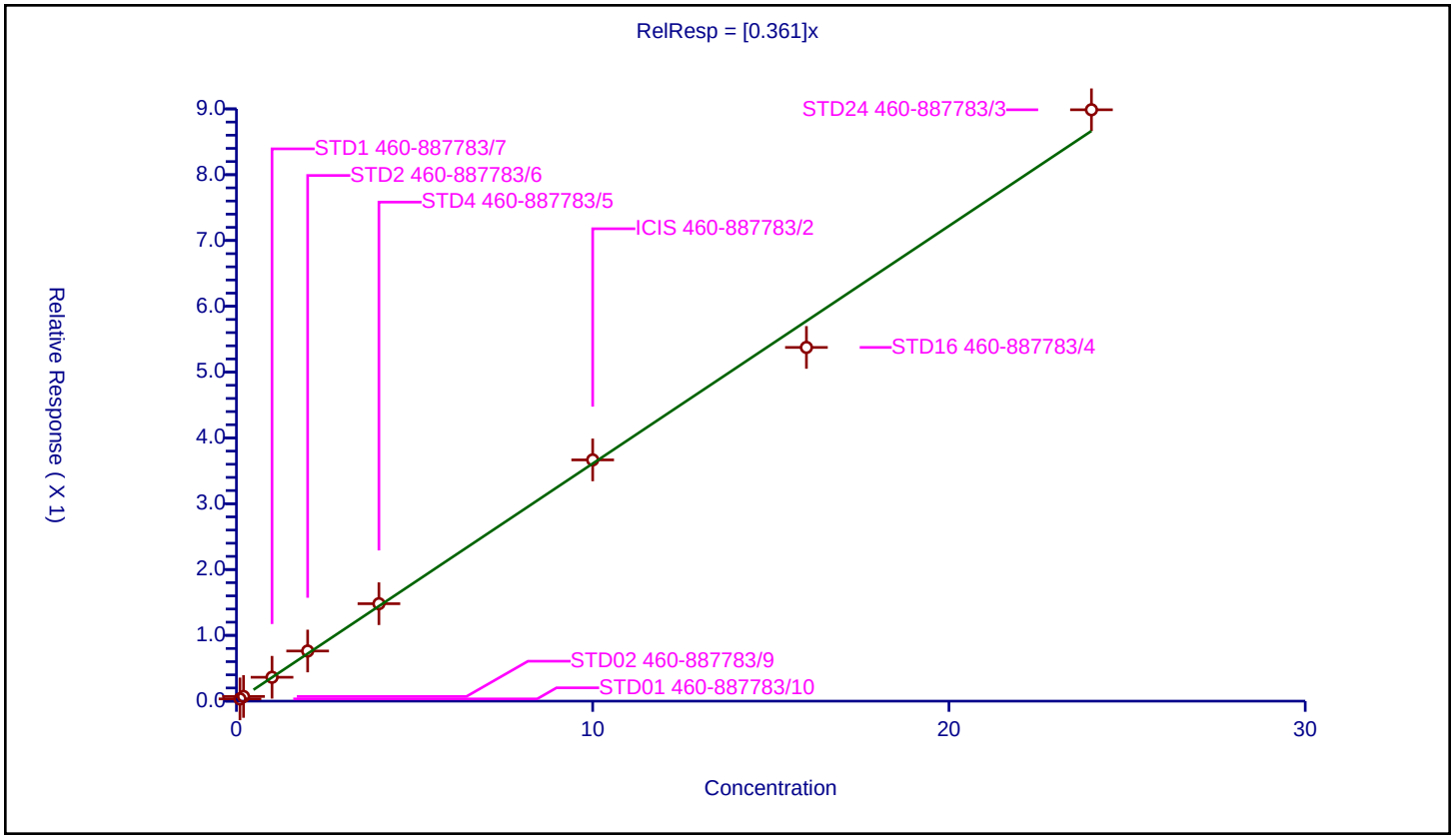
Curve Coefficients

Intercept:	0
Slope:	0.361

Error Coefficients

Standard Error:	546000
Relative Standard Error:	4.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.034151	8.0	1146422.0	0.341515	Y
2	STD02 460-887783/9	0.2	0.07116	8.0	1067569.0	0.355799	Y
3	STD1 460-887783/7	1.0	0.362896	8.0	1166350.0	0.362896	Y
4	STD2 460-887783/6	2.0	0.7618	8.0	1245062.0	0.3809	Y
5	STD4 460-887783/5	4.0	1.480749	8.0	993492.0	0.370187	Y
6	ICIS 460-887783/2	10.0	3.666096	8.0	1098734.0	0.36661	Y
7	STD16 460-887783/4	16.0	5.37523	8.0	1186225.0	0.335952	Y
8	STD24 460-887783/3	24.0	8.986595	8.0	952707.0	0.374441	Y



Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

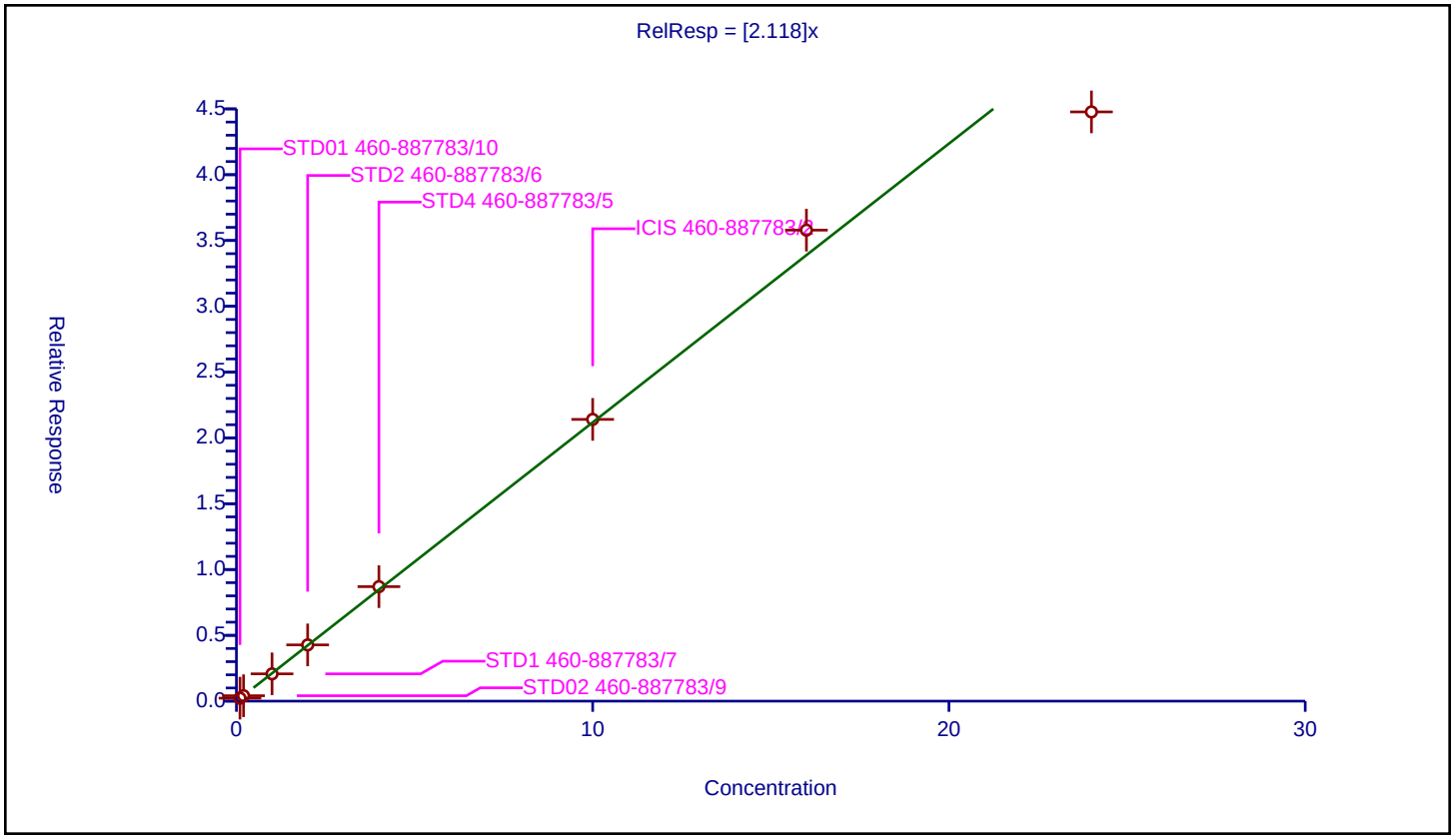
Curve Coefficients

Intercept:	0
Slope:	2.118

Error Coefficients

Standard Error:	817000
Relative Standard Error:	5.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.226117	8.0	283782.0	2.261172	Y
2	STD02 460-887783/9	0.2	0.411377	8.0	272937.0	2.056885	Y
3	STD1 460-887783/7	1.0	2.072603	8.0	294590.0	2.072603	Y
4	STD2 460-887783/6	2.0	4.272294	8.0	313911.0	2.136147	Y
5	STD4 460-887783/5	4.0	8.698275	8.0	245485.0	2.174569	Y
6	ICIS 460-887783/2	10.0	21.407898	8.0	281529.0	2.14079	Y
7	STD16 460-887783/4	16.0	35.788414	8.0	262229.0	2.236776	Y
8	STD24 460-887783/3	24.0	44.771946	8.0	289160.0	1.865498	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

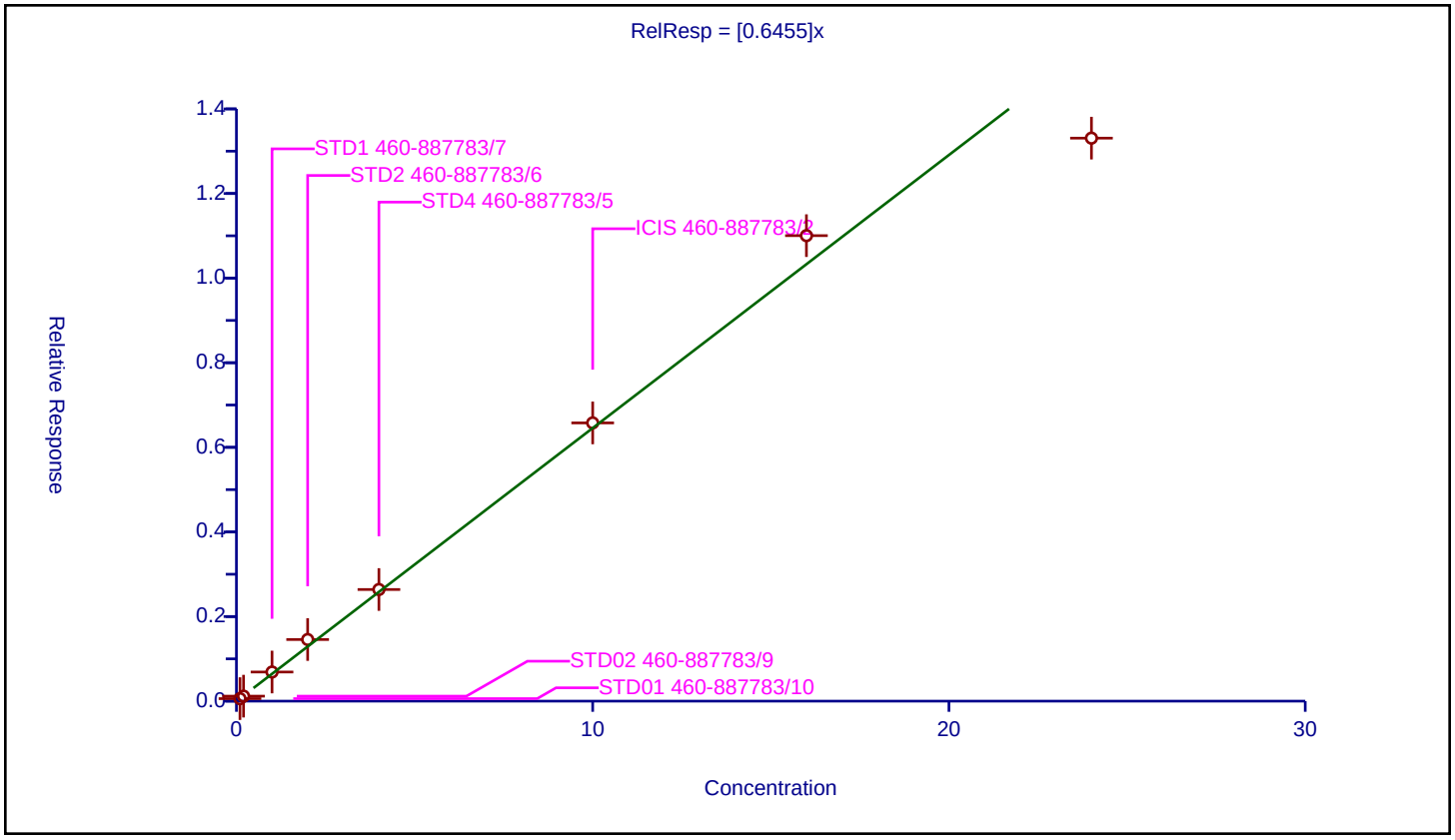
Curve Coefficients

Intercept:	0
Slope:	0.6455

Error Coefficients

Standard Error:	247000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.059651	8.0	283782.0	0.596514	Y
2	STD02 460-887783/9	0.2	0.11821	8.0	272937.0	0.591052	Y
3	STD1 460-887783/7	1.0	0.688577	8.0	294590.0	0.688577	Y
4	STD2 460-887783/6	2.0	1.456438	8.0	313911.0	0.728219	Y
5	STD4 460-887783/5	4.0	2.639118	8.0	245485.0	0.65978	Y
6	ICIS 460-887783/2	10.0	6.577056	8.0	281529.0	0.657706	Y
7	STD16 460-887783/4	16.0	11.003848	8.0	262229.0	0.68774	Y
8	STD24 460-887783/3	24.0	13.308618	8.0	289160.0	0.554526	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

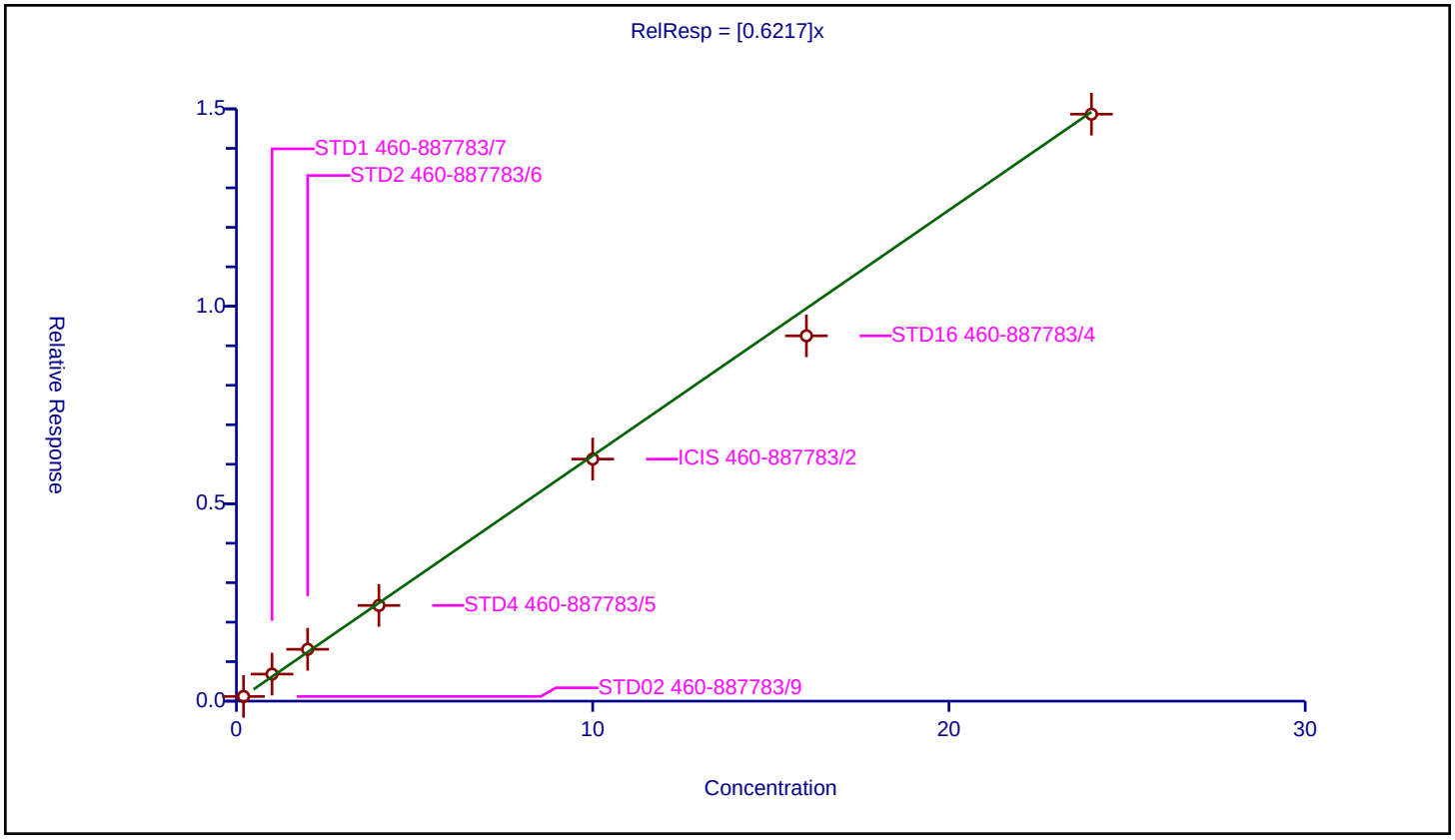
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Standard Error:	989000
Relative Standard Error:	6.0
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.118782	8.0	1067569.0	0.59391	Y
2	STD1 460-887783/7	1.0	0.685009	8.0	1166350.0	0.685009	Y
3	STD2 460-887783/6	2.0	1.31331	8.0	1245062.0	0.656655	Y
4	STD4 460-887783/5	4.0	2.423581	8.0	993492.0	0.605895	Y
5	ICIS 460-887783/2	10.0	6.130758	8.0	1098734.0	0.613076	Y
6	STD16 460-887783/4	16.0	9.252565	8.0	1186225.0	0.578285	Y
7	STD24 460-887783/3	24.0	14.865725	8.0	952707.0	0.619405	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

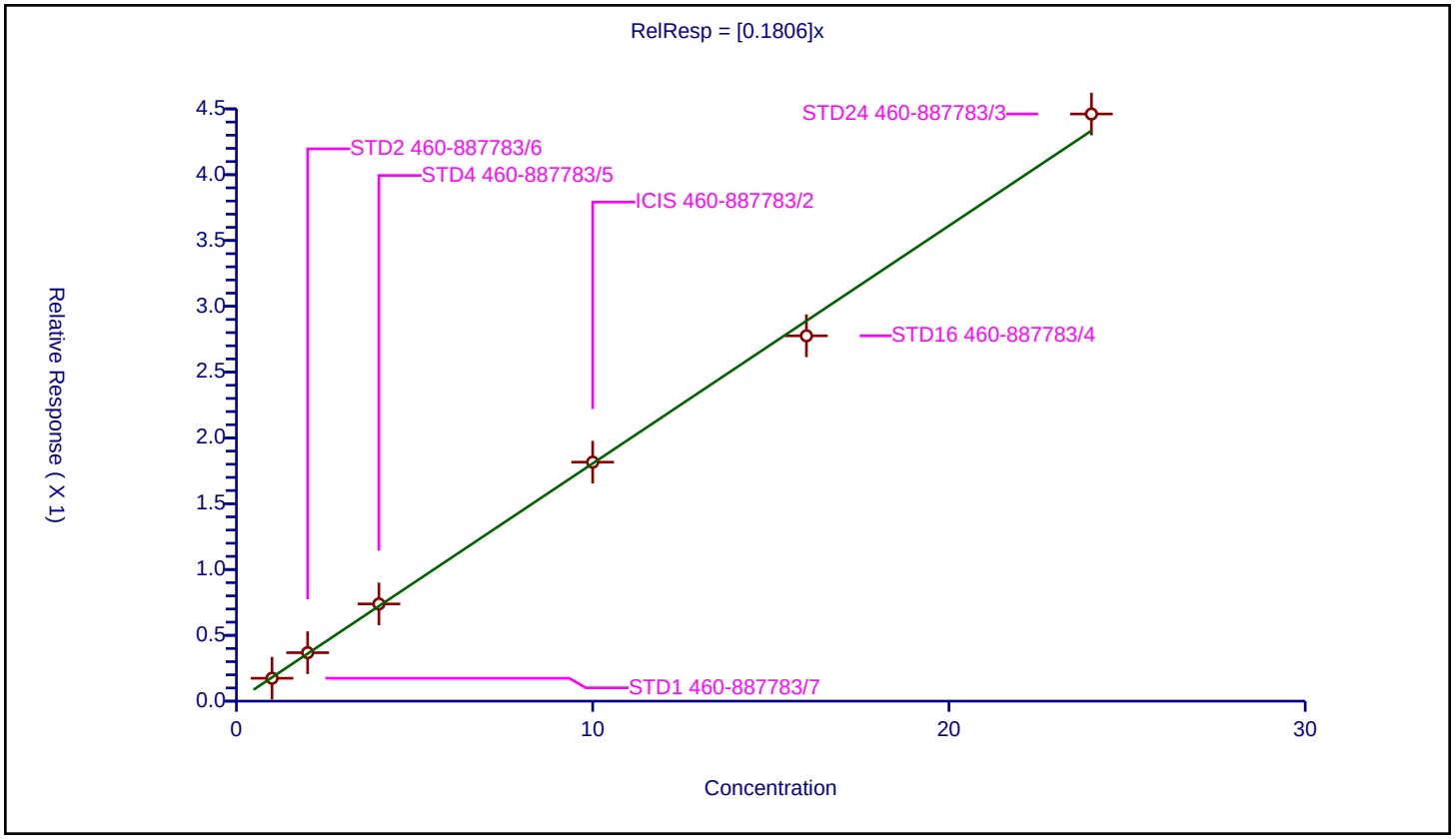
Curve Coefficients

Intercept:	0
Slope:	0.1806

Error Coefficients

Standard Error:	324000
Relative Standard Error:	3.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.173862	8.0	1166350.0	0.173862	Y
2	STD2 460-887783/6	2.0	0.368213	8.0	1245062.0	0.184106	Y
3	STD4 460-887783/5	4.0	0.738518	8.0	993492.0	0.18463	Y
4	ICIS 460-887783/2	10.0	1.81585	8.0	1098734.0	0.181585	Y
5	STD16 460-887783/4	16.0	2.77579	8.0	1186225.0	0.173487	Y
6	STD24 460-887783/3	24.0	4.461174	8.0	952707.0	0.185882	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

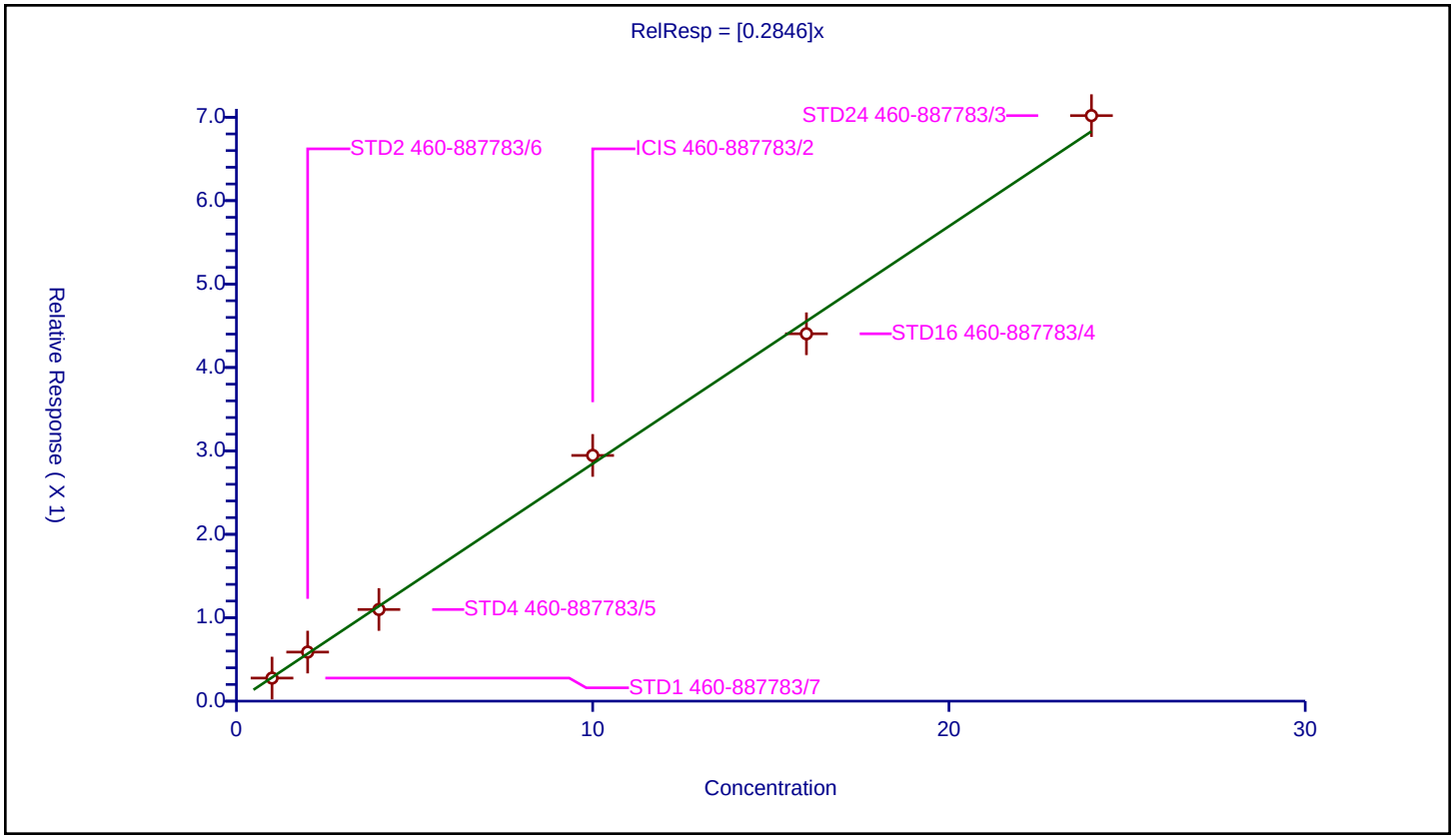
Curve Coefficients

Intercept:	0
Slope:	0.2846

Error Coefficients

Standard Error:	513000
Relative Standard Error:	3.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.276658	8.0	1166350.0	0.276658	Y
2	STD2 460-887783/6	2.0	0.588167	8.0	1245062.0	0.294083	Y
3	STD4 460-887783/5	4.0	1.098968	8.0	993492.0	0.274742	Y
4	ICIS 460-887783/2	10.0	2.945783	8.0	1098734.0	0.294578	Y
5	STD16 460-887783/4	16.0	4.404082	8.0	1186225.0	0.275255	Y
6	STD24 460-887783/3	24.0	7.019258	8.0	952707.0	0.292469	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

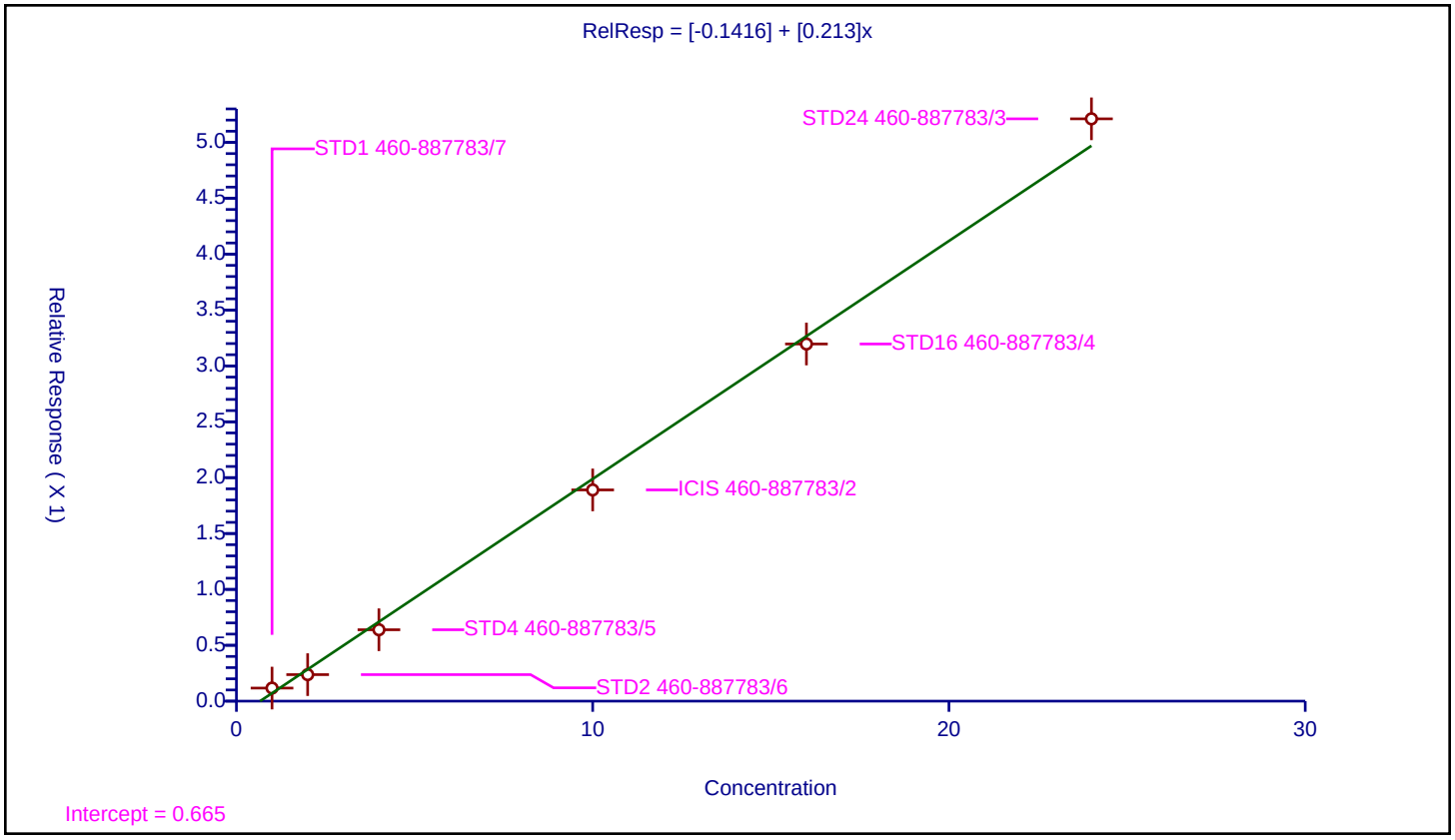
Curve Coefficients

Intercept:	-0.1416
Slope:	0.213

Error Coefficients

Standard Error:	414000
Relative Standard Error:	13.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.116994	8.0	1166350.0	0.116994	Y
2	STD2 460-887783/6	2.0	0.237174	8.0	1245062.0	0.118587	Y
3	STD4 460-887783/5	4.0	0.638846	8.0	993492.0	0.159711	Y
4	ICIS 460-887783/2	10.0	1.890168	8.0	1098734.0	0.189017	Y
5	STD16 460-887783/4	16.0	3.195994	8.0	1186225.0	0.19975	Y
6	STD24 460-887783/3	24.0	5.21118	8.0	952707.0	0.217133	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

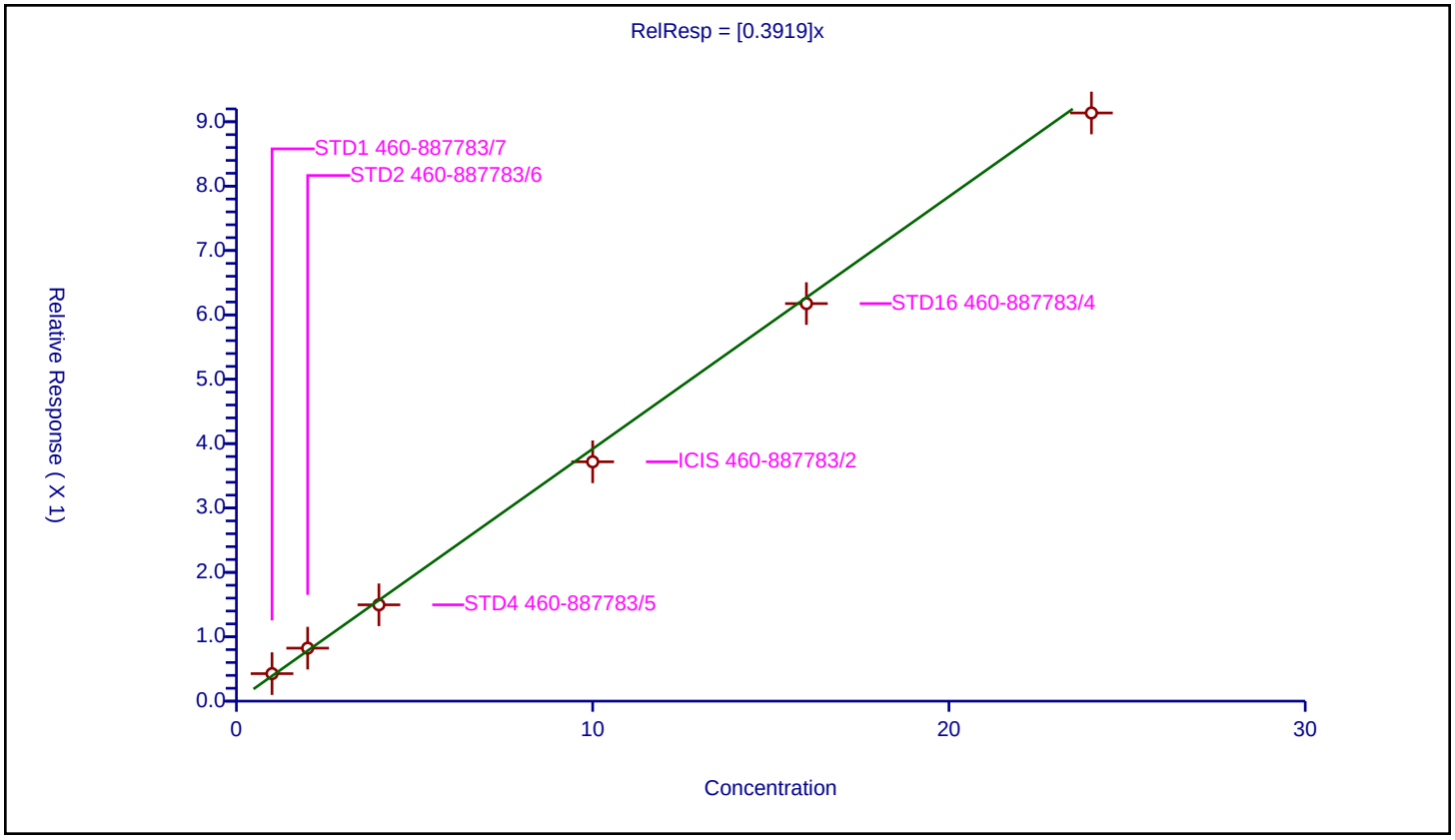
Curve Coefficients

Intercept:	0
Slope:	0.3919

Error Coefficients

Standard Error:	684000
Relative Standard Error:	5.7
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.427103	8.0	1166350.0	0.427103	Y
2	STD2 460-887783/6	2.0	0.82322	8.0	1245062.0	0.41161	Y
3	STD4 460-887783/5	4.0	1.49629	8.0	993492.0	0.374072	Y
4	ICIS 460-887783/2	10.0	3.718199	8.0	1098734.0	0.37182	Y
5	STD16 460-887783/4	16.0	6.175523	8.0	1186225.0	0.38597	Y
6	STD24 460-887783/3	24.0	9.136635	8.0	952707.0	0.380693	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

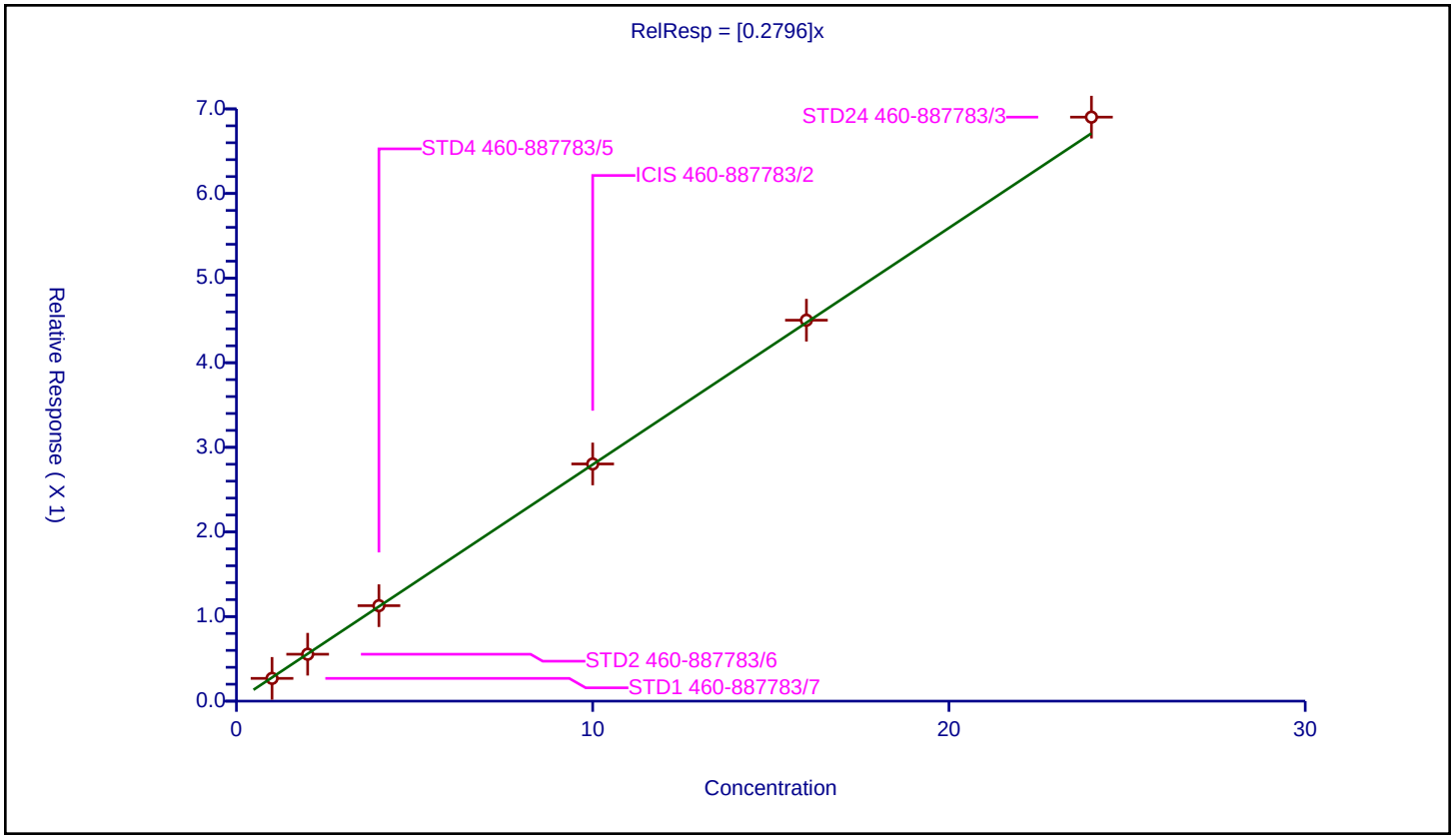
Curve Coefficients

Intercept:	0
Slope:	0.2796

Error Coefficients

Standard Error:	510000
Relative Standard Error:	2.2
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.269086	8.0	1166350.0	0.269086	Y
2	STD2 460-887783/6	2.0	0.554453	8.0	1245062.0	0.277226	Y
3	STD4 460-887783/5	4.0	1.128432	8.0	993492.0	0.282108	Y
4	ICIS 460-887783/2	10.0	2.803467	8.0	1098734.0	0.280347	Y
5	STD16 460-887783/4	16.0	4.502599	8.0	1186225.0	0.281412	Y
6	STD24 460-887783/3	24.0	6.902865	8.0	952707.0	0.287619	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

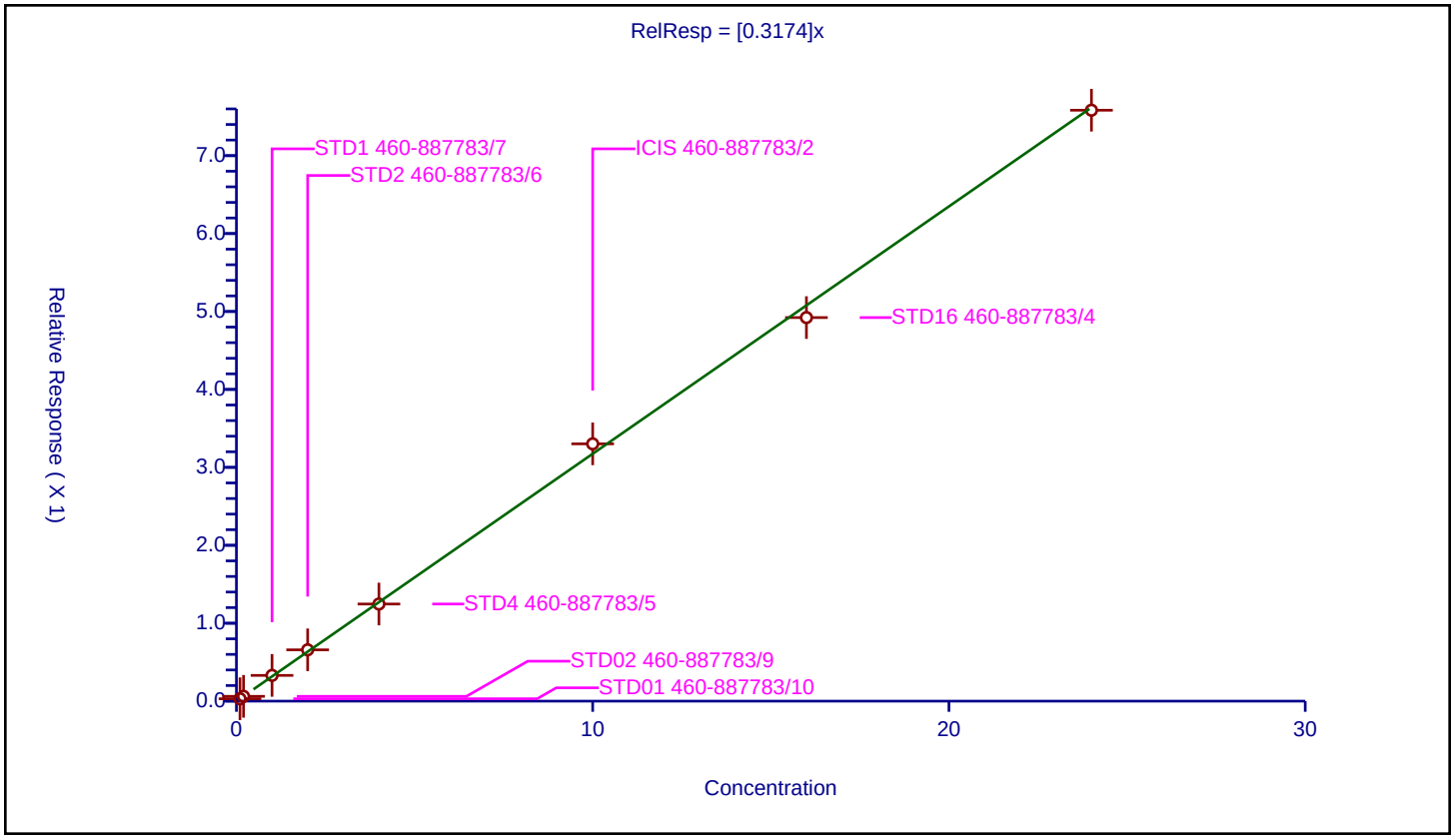
Curve Coefficients

Intercept:	0
Slope:	0.3174

Error Coefficients

Standard Error:	477000
Relative Standard Error:	3.4
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.030648	8.0	1146422.0	0.306484	Y
2	STD02 460-887783/9	0.2	0.061553	8.0	1067569.0	0.307765	Y
3	STD1 460-887783/7	1.0	0.330494	8.0	1166350.0	0.330494	Y
4	STD2 460-887783/6	2.0	0.65846	8.0	1245062.0	0.32923	Y
5	STD4 460-887783/5	4.0	1.246351	8.0	993492.0	0.311588	Y
6	ICIS 460-887783/2	10.0	3.301713	8.0	1098734.0	0.330171	Y
7	STD16 460-887783/4	16.0	4.921987	8.0	1186225.0	0.307624	Y
8	STD24 460-887783/3	24.0	7.583058	8.0	952707.0	0.315961	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

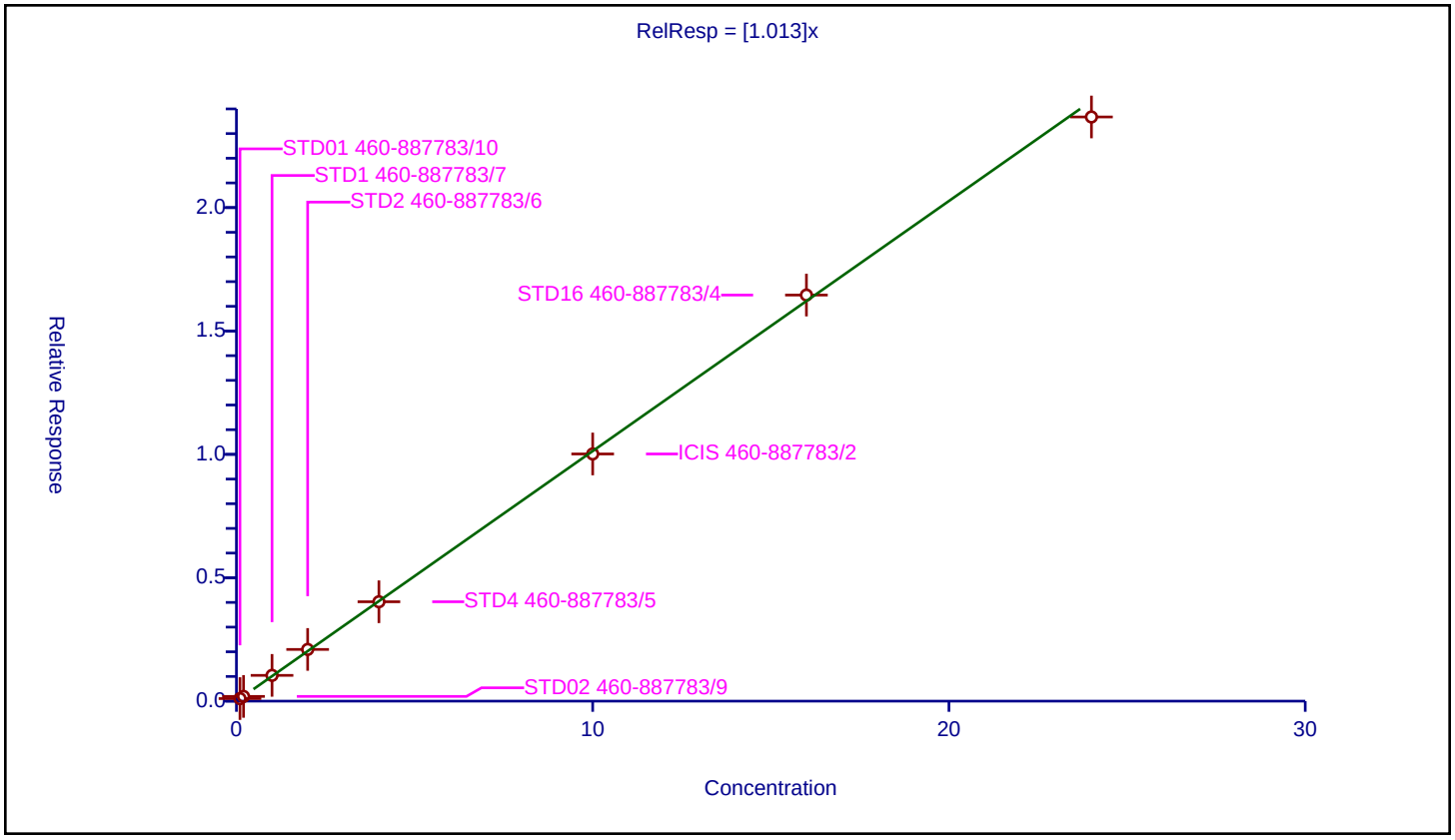
Curve Coefficients

Intercept:	0
Slope:	1.013

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	3.1
Correlation Coefficient:	0.975
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.103641	8.0	1146422.0	1.036407	Y
2	STD02 460-887783/9	0.2	0.191103	8.0	1067569.0	0.955517	Y
3	STD1 460-887783/7	1.0	1.044126	8.0	1166350.0	1.044126	Y
4	STD2 460-887783/6	2.0	2.095073	8.0	1245062.0	1.047537	Y
5	STD4 460-887783/5	4.0	4.027249	8.0	993492.0	1.006812	Y
6	ICIS 460-887783/2	10.0	10.016663	8.0	1098734.0	1.001666	Y
7	STD16 460-887783/4	16.0	16.455752	8.0	1186225.0	1.028484	Y
8	STD24 460-887783/3	24.0	23.672848	8.0	952707.0	0.986369	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

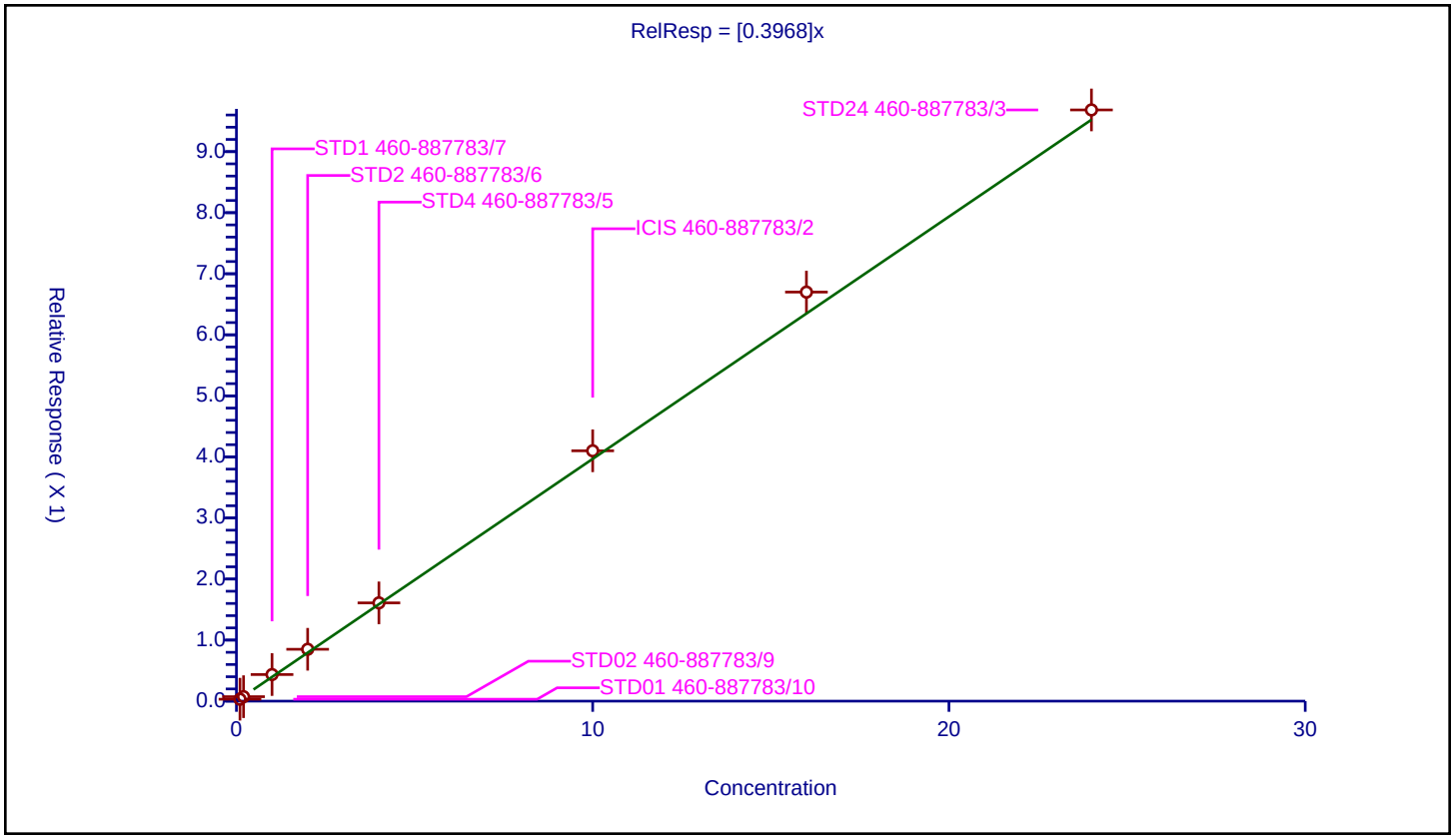
Curve Coefficients

Intercept:	0
Slope:	0.3968

Error Coefficients

Standard Error:	621000
Relative Standard Error:	9.9
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.031451	8.0	1146422.0	0.314509	Y
2	STD02 460-887783/9	0.2	0.072951	8.0	1067569.0	0.364754	Y
3	STD1 460-887783/7	1.0	0.435547	8.0	1166350.0	0.435547	Y
4	STD2 460-887783/6	2.0	0.849416	8.0	1245062.0	0.424708	Y
5	STD4 460-887783/5	4.0	1.609499	8.0	993492.0	0.402375	Y
6	ICIS 460-887783/2	10.0	4.100436	8.0	1098734.0	0.410044	Y
7	STD16 460-887783/4	16.0	6.699586	8.0	1186225.0	0.418724	Y
8	STD24 460-887783/3	24.0	9.683011	8.0	952707.0	0.403459	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

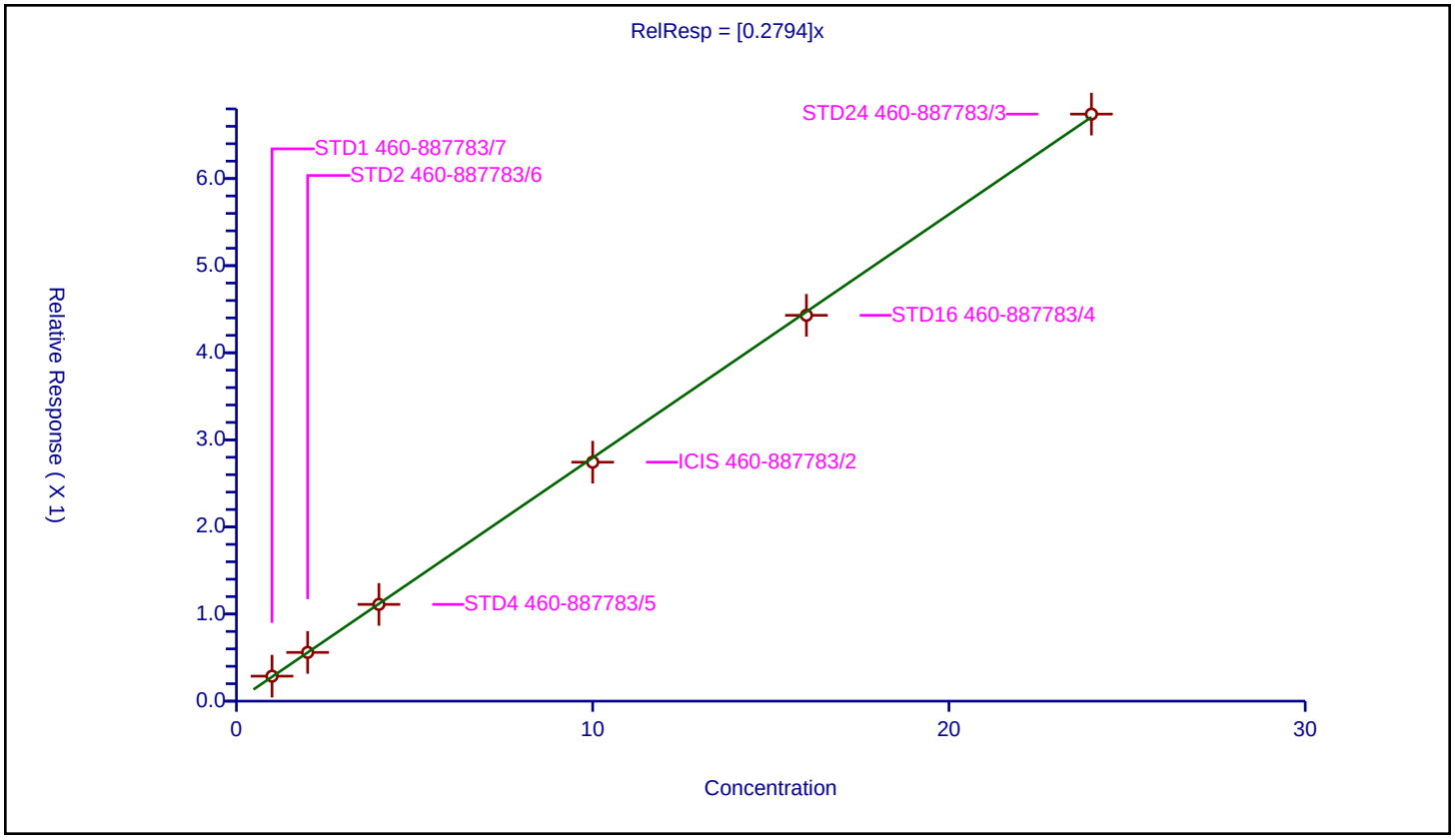
Curve Coefficients

Intercept:	0
Slope:	0.2794

Error Coefficients

Standard Error:	499000
Relative Standard Error:	1.5
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.286946	8.0	1166350.0	0.286946	Y
2	STD2 460-887783/6	2.0	0.559542	8.0	1245062.0	0.279771	Y
3	STD4 460-887783/5	4.0	1.110902	8.0	993492.0	0.277725	Y
4	ICIS 460-887783/2	10.0	2.743616	8.0	1098734.0	0.274362	Y
5	STD16 460-887783/4	16.0	4.430101	8.0	1186225.0	0.276881	Y
6	STD24 460-887783/3	24.0	6.740146	8.0	952707.0	0.280839	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

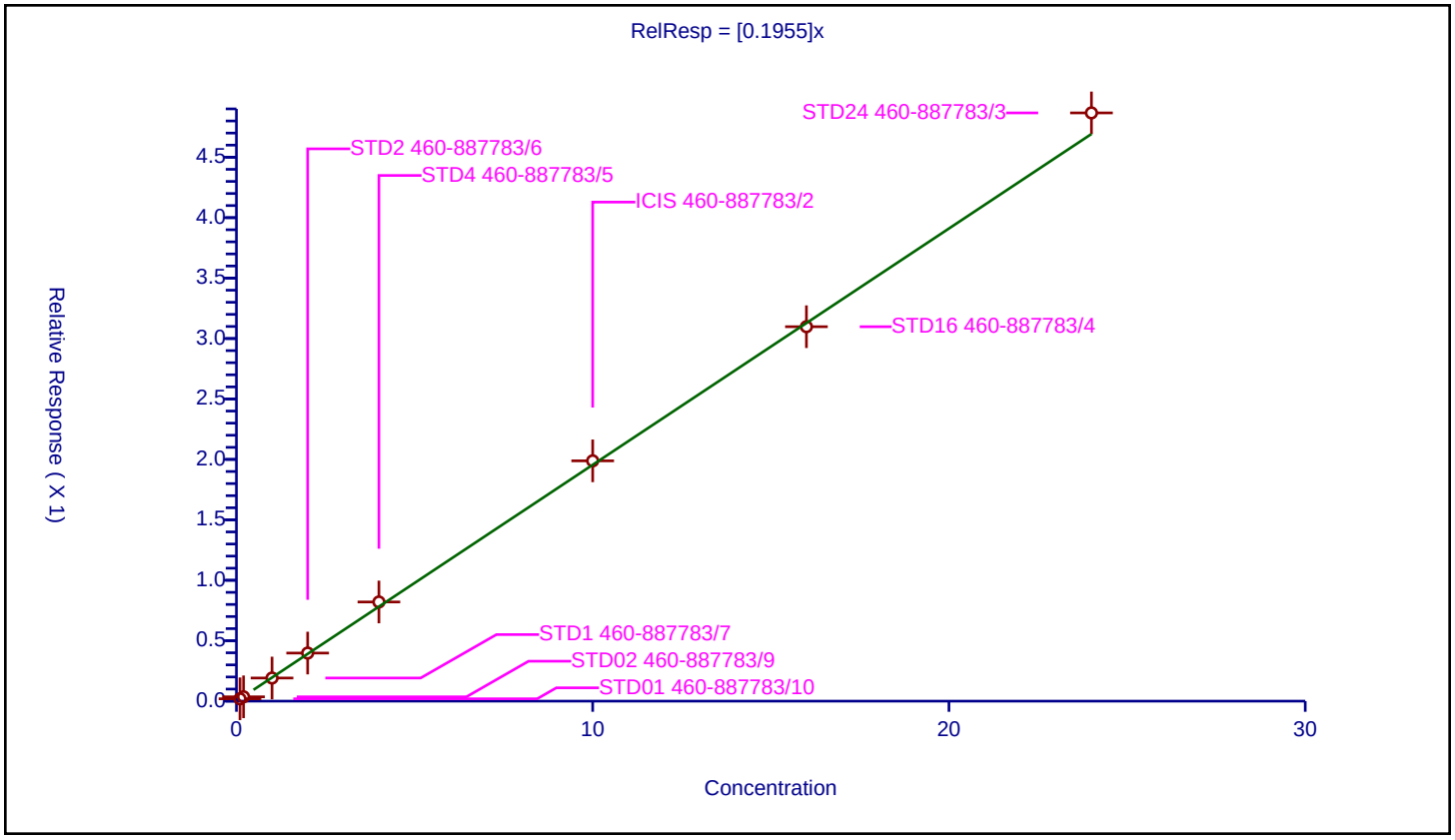
Curve Coefficients

Intercept:	0
Slope:	0.1955

Error Coefficients

Standard Error:	302000
Relative Standard Error:	4.1
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.019406	8.0	1146422.0	0.194065	Y
2	STD02 460-887783/9	0.2	0.035887	8.0	1067569.0	0.179436	Y
3	STD1 460-887783/7	1.0	0.191346	8.0	1166350.0	0.191346	Y
4	STD2 460-887783/6	2.0	0.397821	8.0	1245062.0	0.198911	Y
5	STD4 460-887783/5	4.0	0.820468	8.0	993492.0	0.205117	Y
6	ICIS 460-887783/2	10.0	1.988106	8.0	1098734.0	0.198811	Y
7	STD16 460-887783/4	16.0	3.098016	8.0	1186225.0	0.193626	Y
8	STD24 460-887783/3	24.0	4.866663	8.0	952707.0	0.202778	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

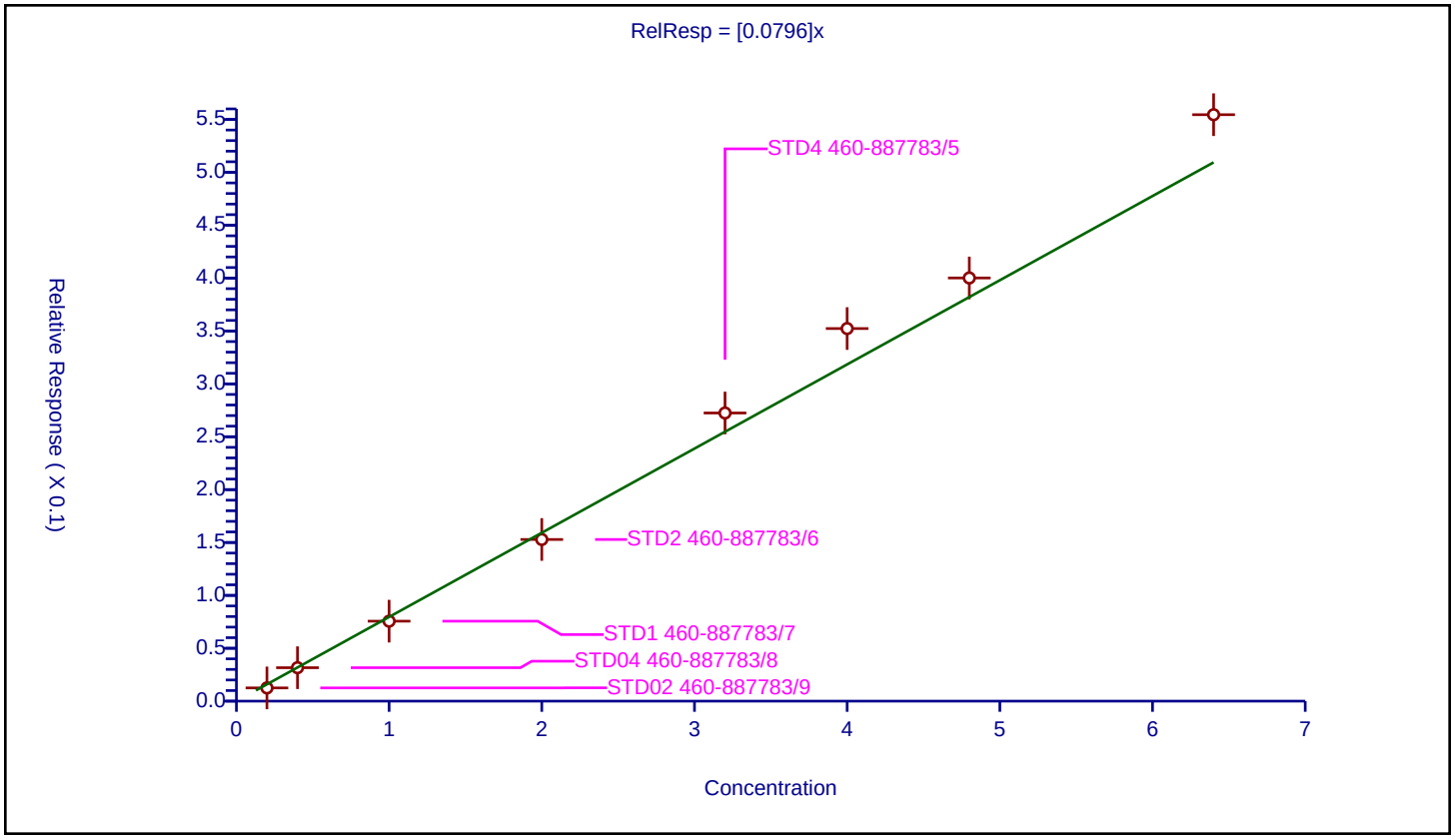
Curve Coefficients

Intercept:	0
Slope:	0.0796

Error Coefficients

Standard Error:	41500
Relative Standard Error:	10.5
Correlation Coefficient:	0.981
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.012499	8.0	1067569.0	0.062497	Y
2	STD04 460-887783/8	0.4	0.031609	8.0	1176630.0	0.079022	Y
3	STD1 460-887783/7	1.0	0.075614	8.0	1166350.0	0.075614	Y
4	STD2 460-887783/6	2.0	0.152847	8.0	1245062.0	0.076424	Y
5	STD4 460-887783/5	3.2	0.272453	8.0	993492.0	0.085142	Y
6	ICIS 460-887783/2	4.0	0.352304	8.0	1098734.0	0.088076	Y
7	STD16 460-887783/4	4.8	0.400126	8.0	1186225.0	0.08336	Y
8	STD24 460-887783/3	6.4	0.554521	8.0	952707.0	0.086644	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

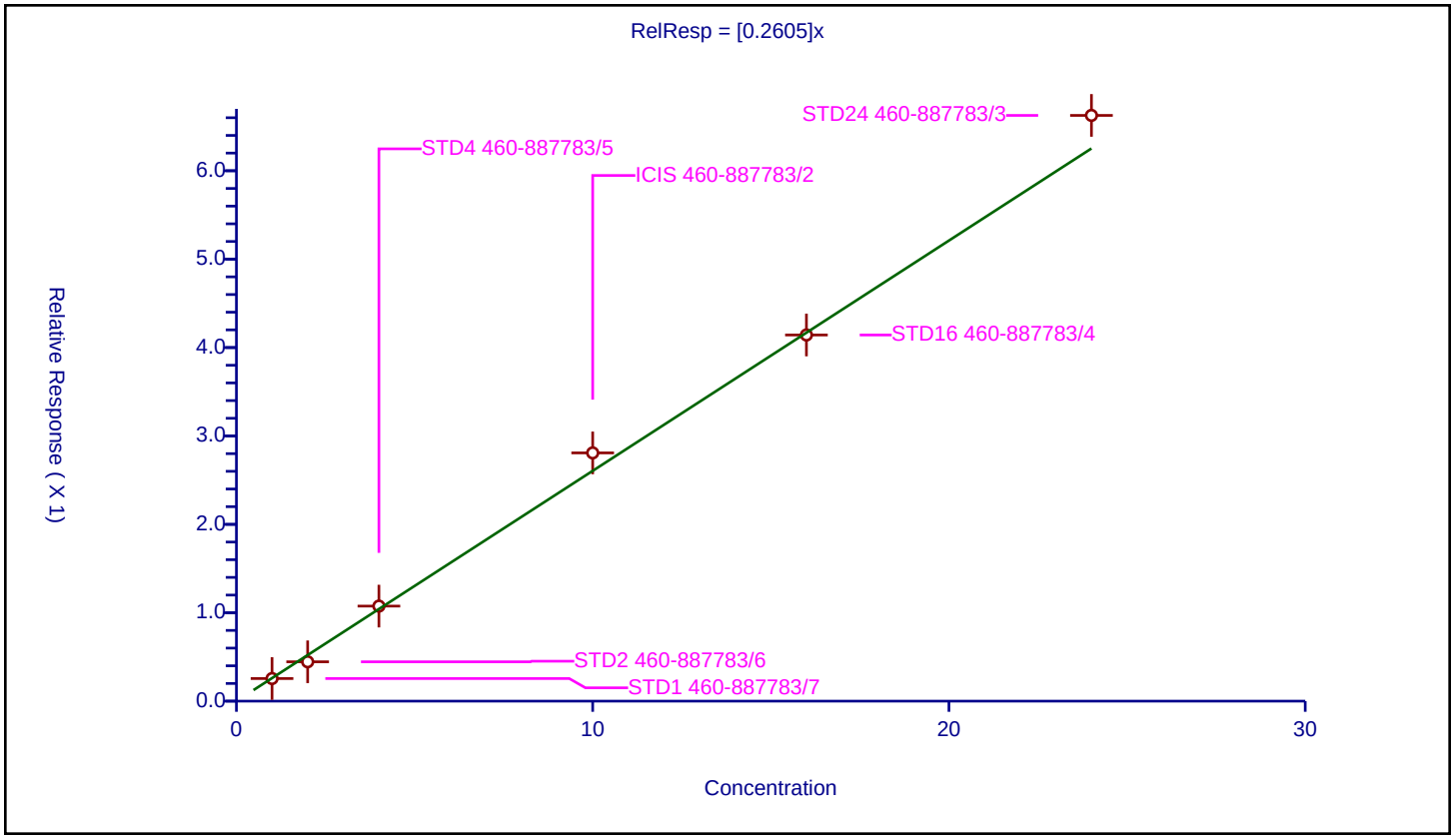
Curve Coefficients

Intercept:	0
Slope:	0.2605

Error Coefficients

Standard Error:	484000
Relative Standard Error:	8.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.255765	8.0	1166350.0	0.255765	Y
2	STD2 460-887783/6	2.0	0.445311	8.0	1245062.0	0.222656	Y
3	STD4 460-887783/5	4.0	1.075213	8.0	993492.0	0.268803	Y
4	ICIS 460-887783/2	10.0	2.808359	8.0	1098734.0	0.280836	Y
5	STD16 460-887783/4	16.0	4.14231	8.0	1186225.0	0.258894	Y
6	STD24 460-887783/3	24.0	6.626197	8.0	952707.0	0.276092	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

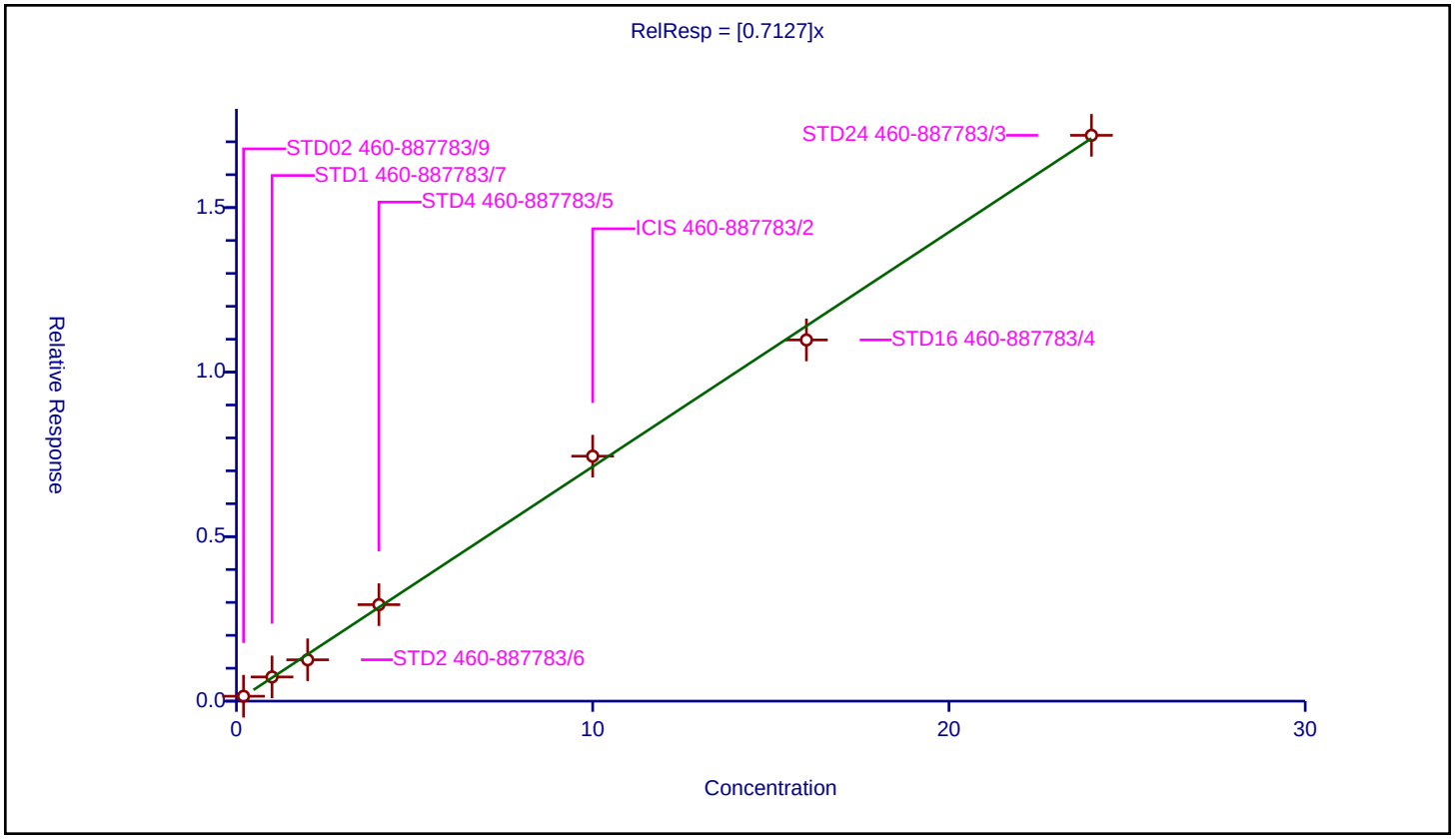
Curve Coefficients

Intercept:	0
Slope:	0.7127

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	6.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.149019	8.0	1067569.0	0.745095	Y
2	STD1 460-887783/7	1.0	0.735244	8.0	1166350.0	0.735244	Y
3	STD2 460-887783/6	2.0	1.256888	8.0	1245062.0	0.628444	Y
4	STD4 460-887783/5	4.0	2.932493	8.0	993492.0	0.733123	Y
5	ICIS 460-887783/2	10.0	7.444932	8.0	1098734.0	0.744493	Y
6	STD16 460-887783/4	16.0	10.977857	8.0	1186225.0	0.686116	Y
7	STD24 460-887783/3	24.0	17.196716	8.0	952707.0	0.71653	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

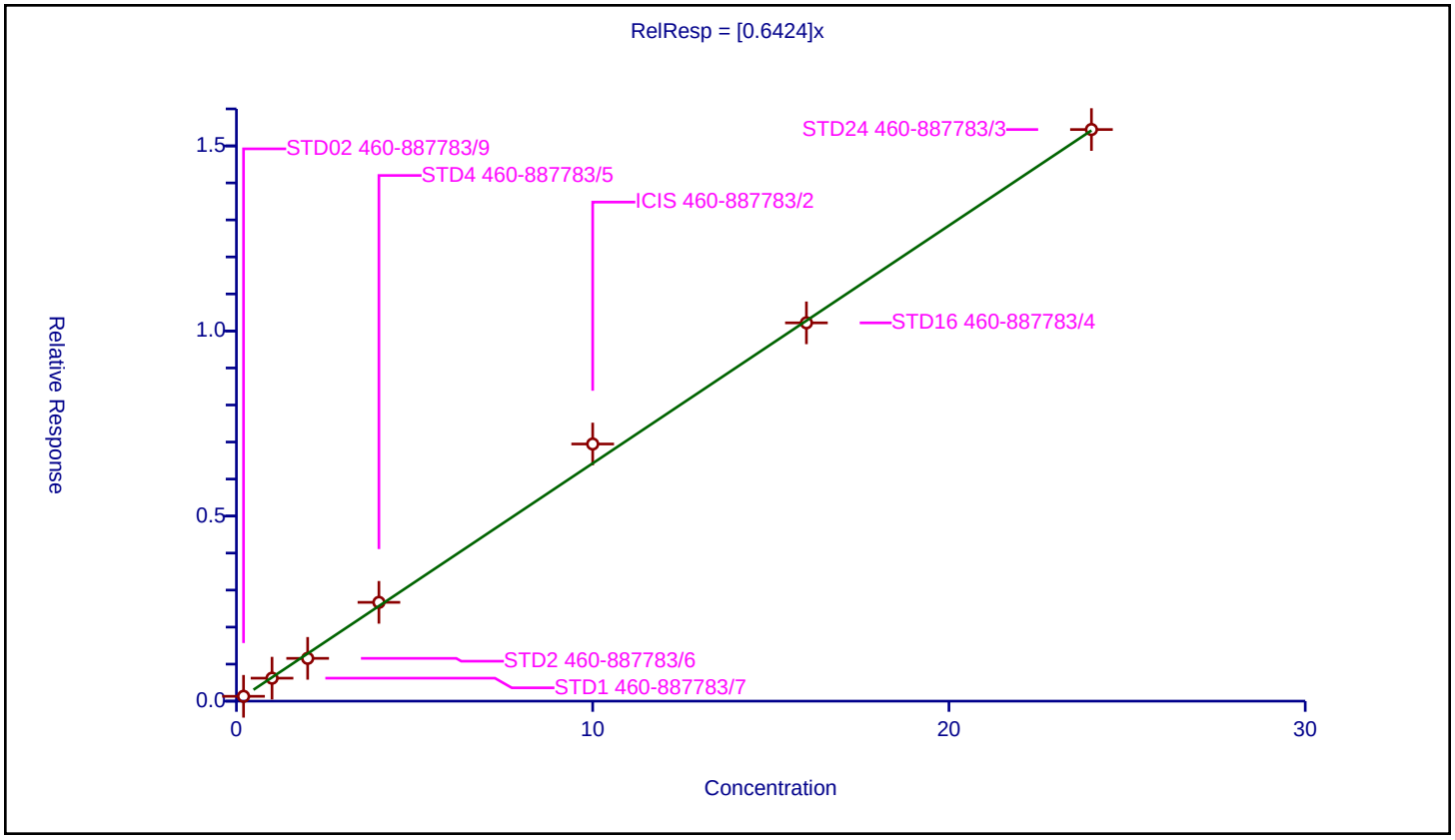
Curve Coefficients

Intercept:	0
Slope:	0.6424

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	5.7
Correlation Coefficient:	0.979
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.130839	8.0	1067569.0	0.654197	Y
2	STD1 460-887783/7	1.0	0.620568	8.0	1166350.0	0.620568	Y
3	STD2 460-887783/6	2.0	1.156241	8.0	1245062.0	0.578121	Y
4	STD4 460-887783/5	4.0	2.66876	8.0	993492.0	0.66719	Y
5	ICIS 460-887783/2	10.0	6.94654	8.0	1098734.0	0.694654	Y
6	STD16 460-887783/4	16.0	10.220058	8.0	1186225.0	0.638754	Y
7	STD24 460-887783/3	24.0	15.442464	8.0	952707.0	0.643436	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

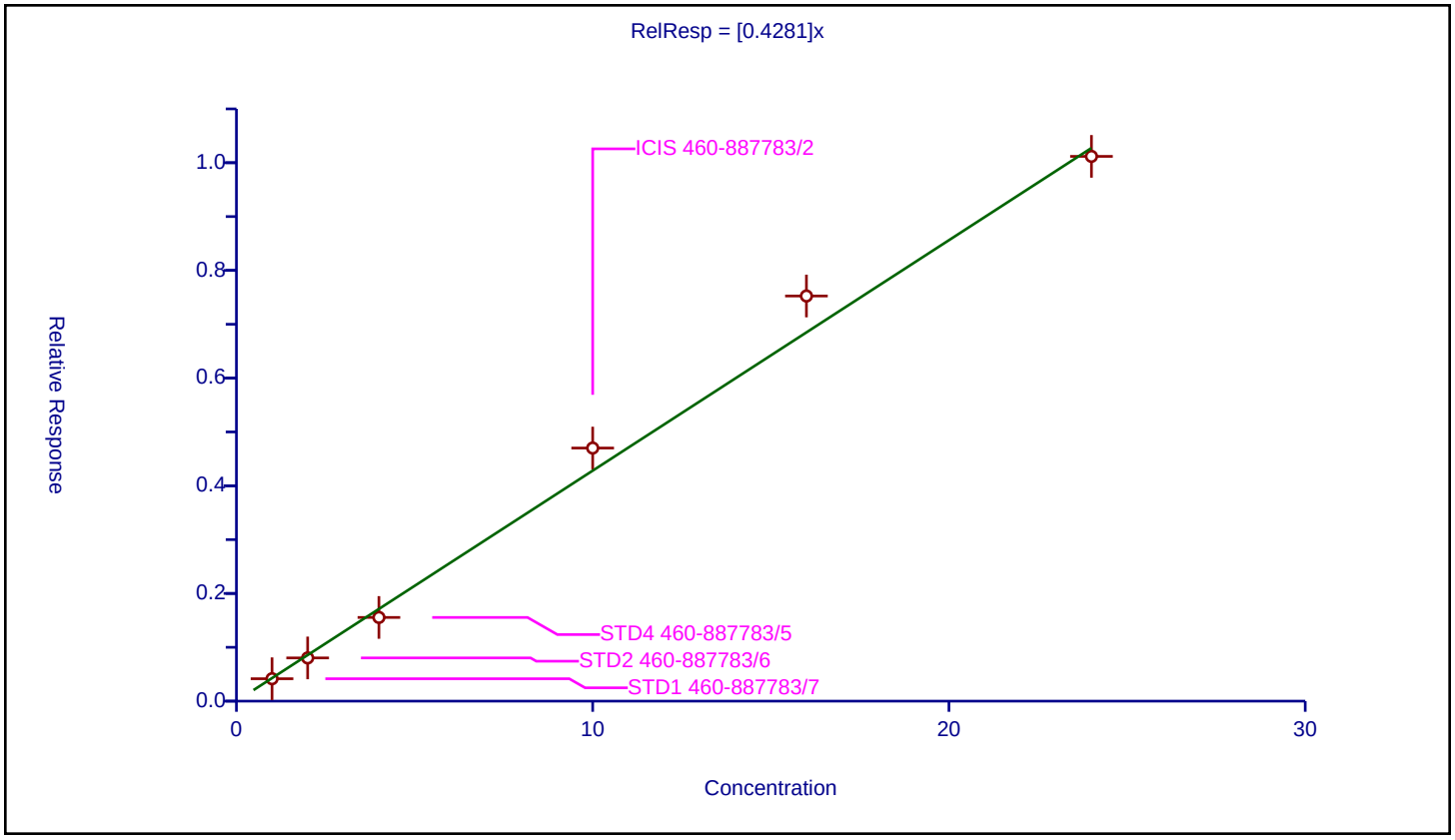
Curve Coefficients

Intercept:	0
Slope:	0.4281

Error Coefficients

Standard Error:	458000
Relative Standard Error:	8.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.41636	8.0	664963.0	0.41636	Y
2	STD2 460-887783/6	2.0	0.80273	8.0	681564.0	0.401365	Y
3	STD4 460-887783/5	4.0	1.55465	8.0	659549.0	0.388663	Y
4	ICIS 460-887783/2	10.0	4.700478	8.0	601018.0	0.470048	Y
5	STD16 460-887783/4	16.0	7.525049	8.0	602908.0	0.470316	Y
6	STD24 460-887783/3	24.0	10.118143	8.0	602120.0	0.421589	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

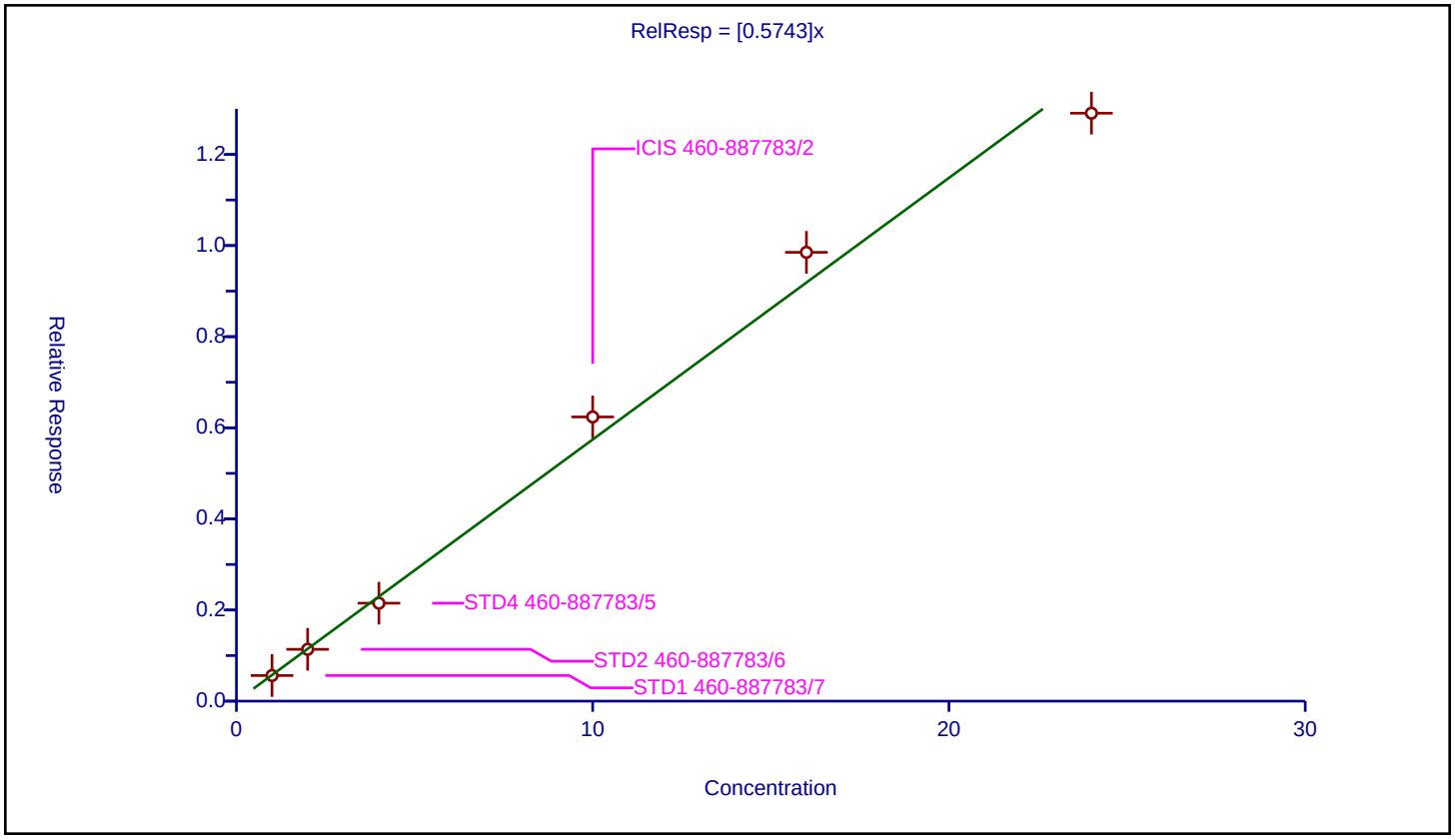
Curve Coefficients

Intercept:	0
Slope:	0.5743

Error Coefficients

Standard Error:	593000
Relative Standard Error:	6.5
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.562064	8.0	664963.0	0.562064	Y
2	STD2 460-887783/6	2.0	1.13722	8.0	681564.0	0.56861	Y
3	STD4 460-887783/5	4.0	2.150354	8.0	659549.0	0.537589	Y
4	ICIS 460-887783/2	10.0	6.238056	8.0	601018.0	0.623806	Y
5	STD16 460-887783/4	16.0	9.851758	8.0	602908.0	0.615735	Y
6	STD24 460-887783/3	24.0	12.905095	8.0	602120.0	0.537712	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

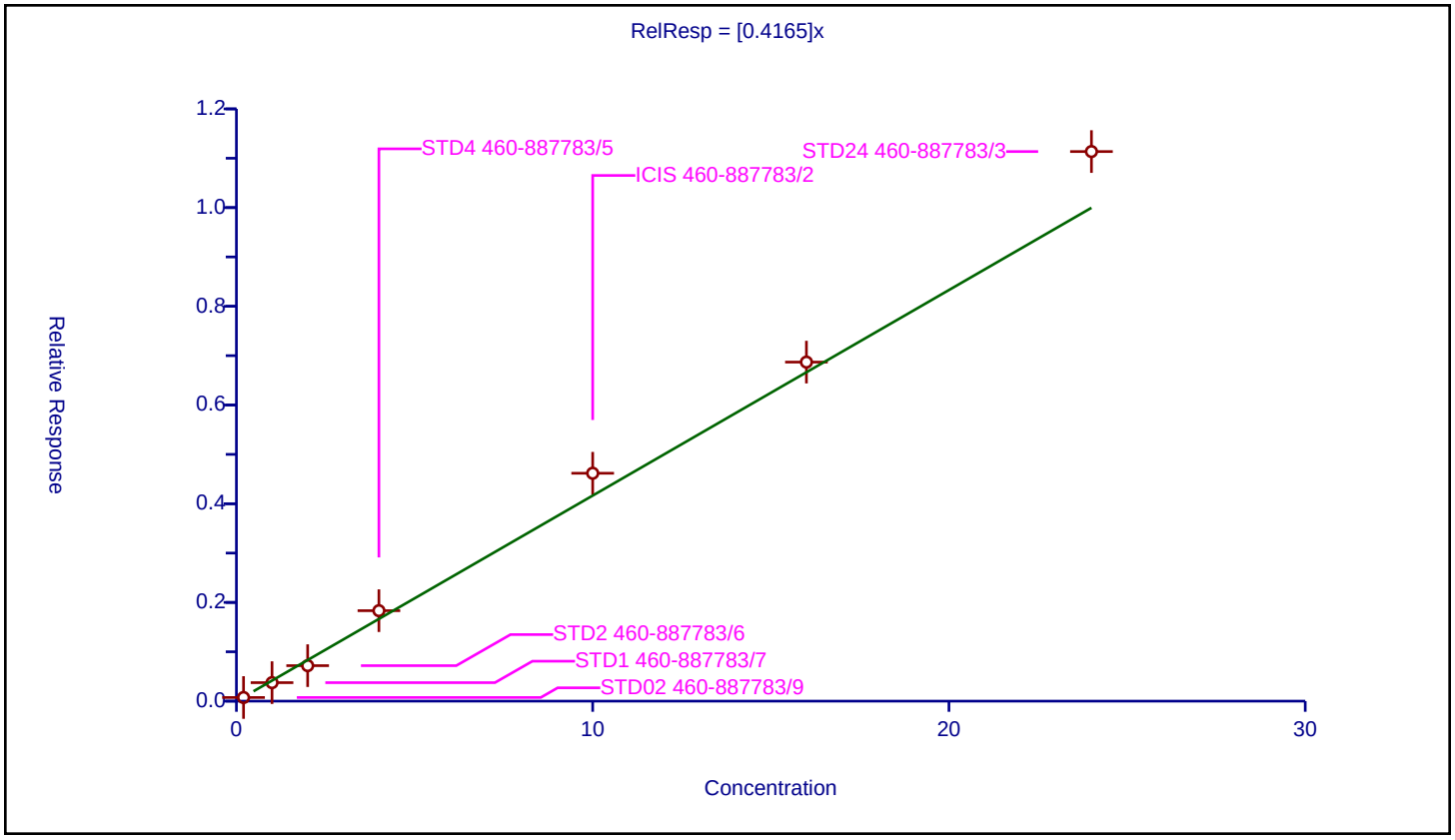
Curve Coefficients

Intercept:	0
Slope:	0.4165

Error Coefficients

Standard Error:	738000
Relative Standard Error:	11.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.073618	8.0	1067569.0	0.368089	Y
2	STD1 460-887783/7	1.0	0.374577	8.0	1166350.0	0.374577	Y
3	STD2 460-887783/6	2.0	0.718962	8.0	1245062.0	0.359481	Y
4	STD4 460-887783/5	4.0	1.832752	8.0	993492.0	0.458188	Y
5	ICIS 460-887783/2	10.0	4.617678	8.0	1098734.0	0.461768	Y
6	STD16 460-887783/4	16.0	6.869543	8.0	1186225.0	0.429346	Y
7	STD24 460-887783/3	24.0	11.135235	8.0	952707.0	0.463968	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

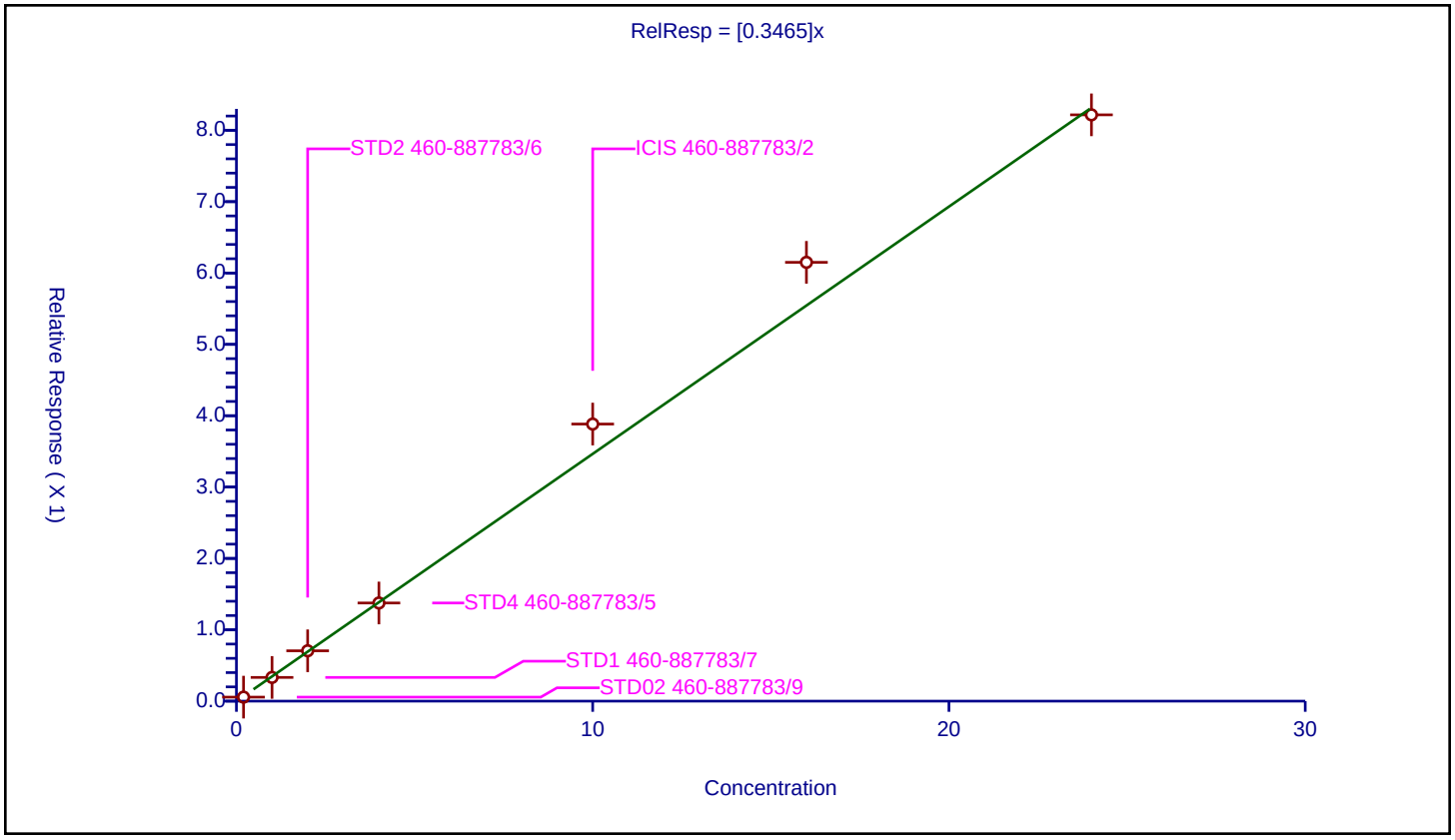
Curve Coefficients

Intercept:	0
Slope:	0.3465

Error Coefficients

Standard Error:	341000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.056272	8.0	658379.0	0.281358	Y
2	STD1 460-887783/7	1.0	0.332409	8.0	664963.0	0.332409	Y
3	STD2 460-887783/6	2.0	0.705742	8.0	681564.0	0.352871	Y
4	STD4 460-887783/5	4.0	1.375582	8.0	659549.0	0.343896	Y
5	ICIS 460-887783/2	10.0	3.883145	8.0	601018.0	0.388314	Y
6	STD16 460-887783/4	16.0	6.149661	8.0	602908.0	0.384354	Y
7	STD24 460-887783/3	24.0	8.216714	8.0	602120.0	0.342363	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

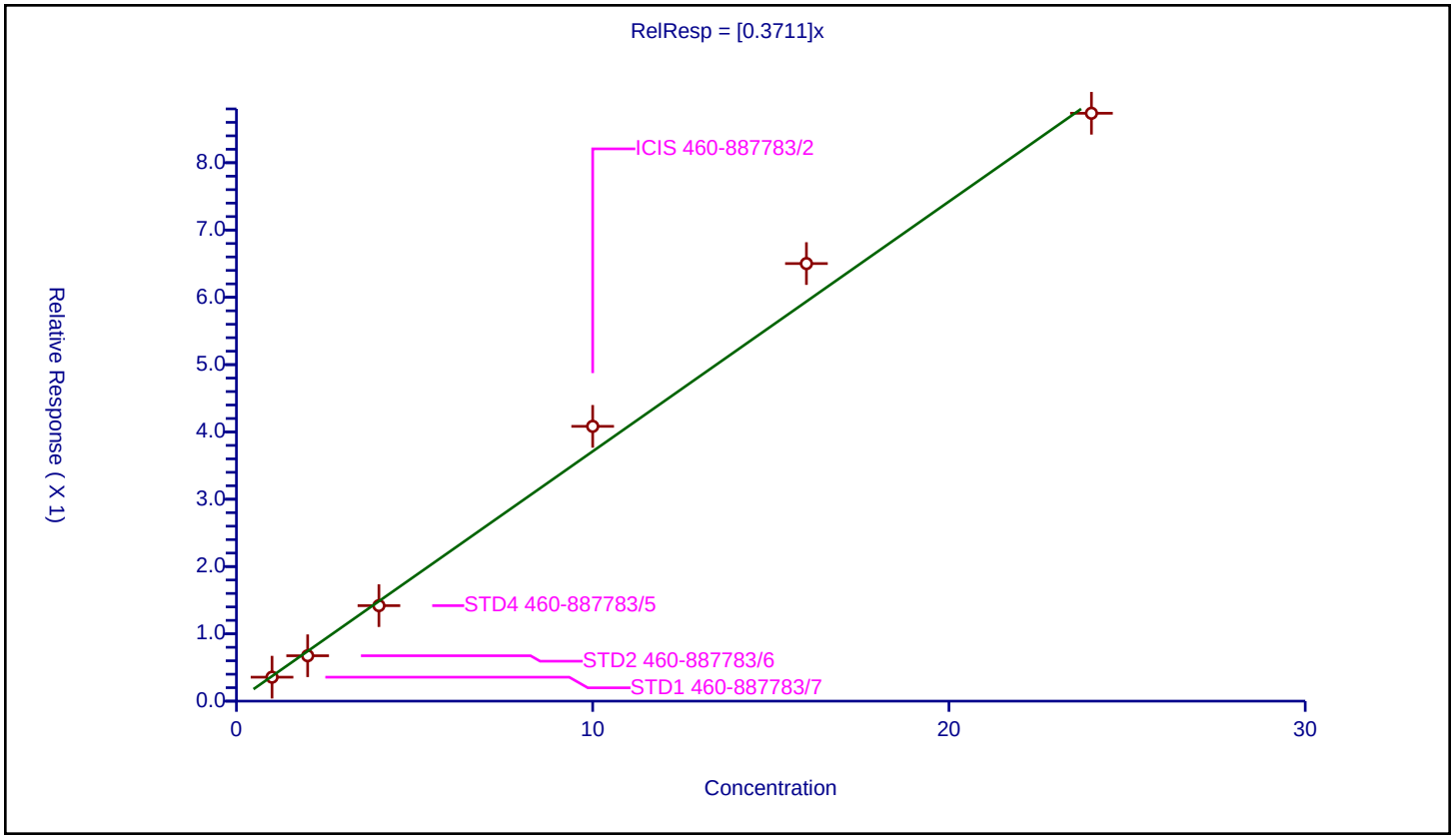
Curve Coefficients

Intercept:	0
Slope:	0.3711

Error Coefficients

Standard Error:	396000
Relative Standard Error:	7.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.356086	8.0	664963.0	0.356086	Y
2	STD2 460-887783/6	2.0	0.674684	8.0	681564.0	0.337342	Y
3	STD4 460-887783/5	4.0	1.418909	8.0	659549.0	0.354727	Y
4	ICIS 460-887783/2	10.0	4.083232	8.0	601018.0	0.408323	Y
5	STD16 460-887783/4	16.0	6.501834	8.0	602908.0	0.406365	Y
6	STD24 460-887783/3	24.0	8.735282	8.0	602120.0	0.36397	Y



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Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

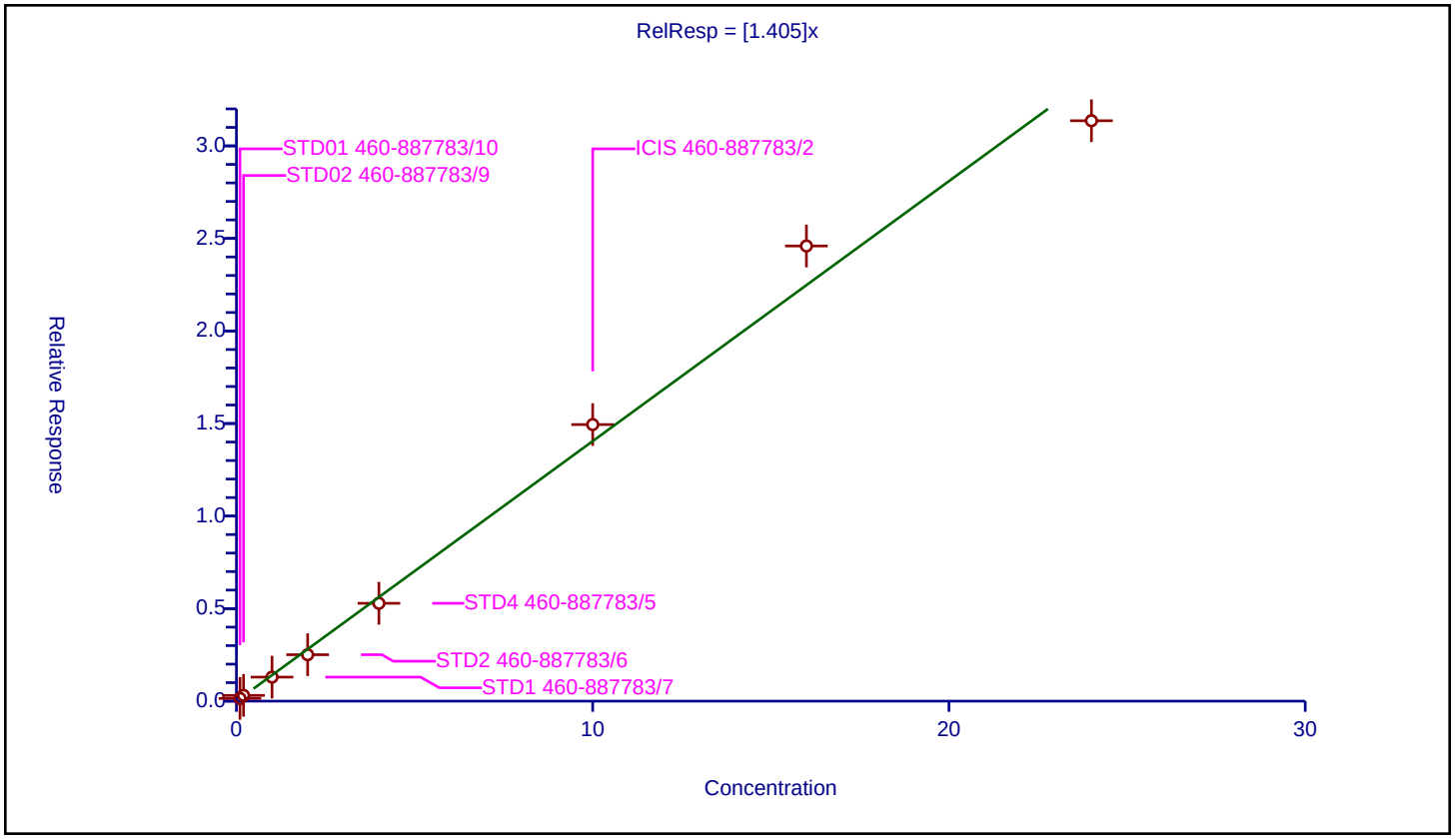
Curve Coefficients

Intercept:	0
Slope:	1.405

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	8.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.147106	8.0	675704.0	1.471058	Y
2	STD02 460-887783/9	0.2	0.310824	8.0	658379.0	1.55412	Y
3	STD1 460-887783/7	1.0	1.2992	8.0	664963.0	1.2992	Y
4	STD2 460-887783/6	2.0	2.508489	8.0	681564.0	1.254245	Y
5	STD4 460-887783/5	4.0	5.286036	8.0	659549.0	1.321509	Y
6	ICIS 460-887783/2	10.0	14.943832	8.0	601018.0	1.494383	Y
7	STD16 460-887783/4	16.0	24.59294	8.0	602908.0	1.537059	Y
8	STD24 460-887783/3	24.0	31.359702	8.0	602120.0	1.306654	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

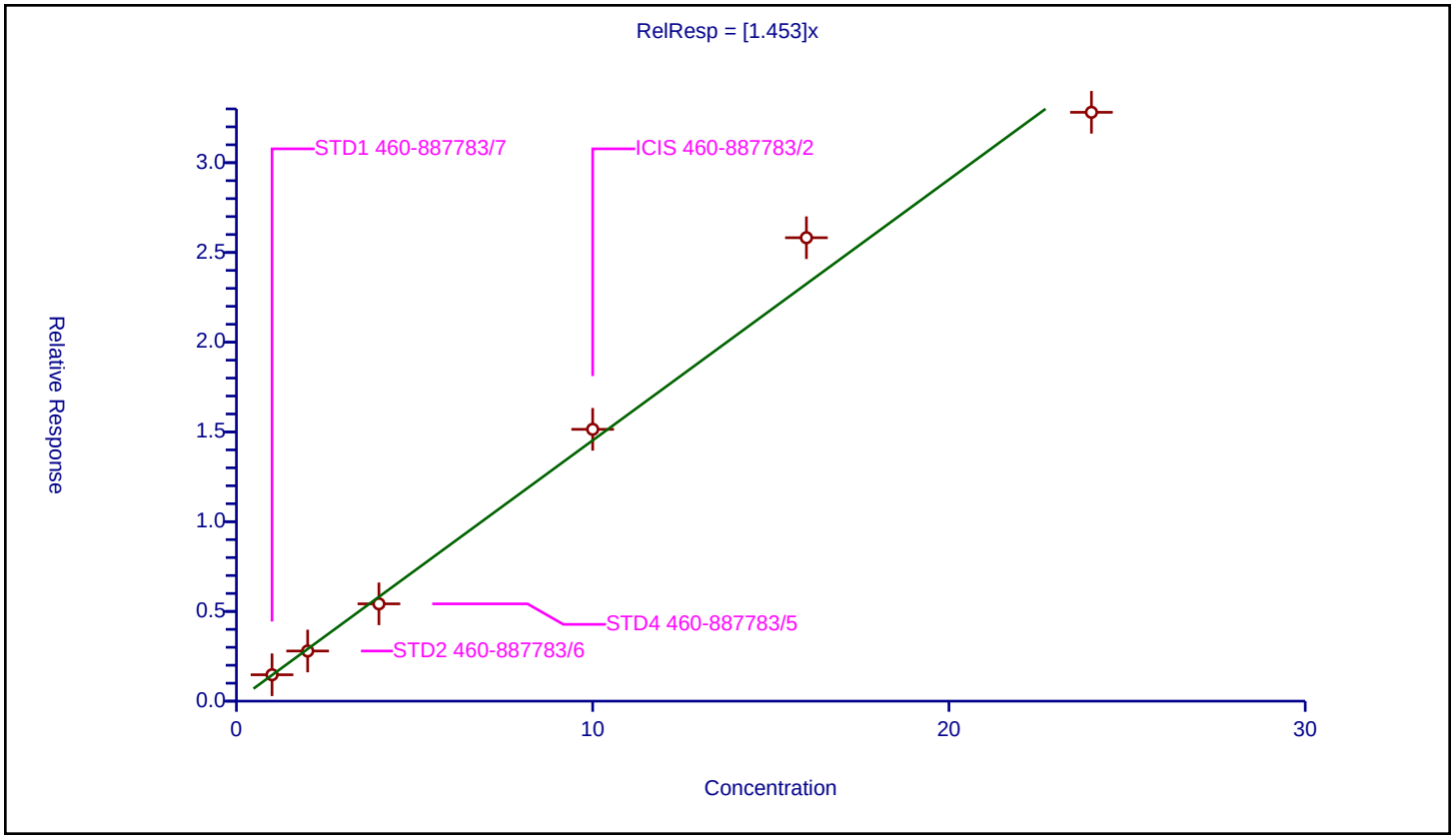
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	6.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.470181	8.0	664963.0	1.470181	Y
2	STD2 460-887783/6	2.0	2.794033	8.0	681564.0	1.397016	Y
3	STD4 460-887783/5	4.0	5.422287	8.0	659549.0	1.355572	Y
4	ICIS 460-887783/2	10.0	15.145729	8.0	601018.0	1.514573	Y
5	STD16 460-887783/4	16.0	25.82116	8.0	602908.0	1.613823	Y
6	STD24 460-887783/3	24.0	32.809619	8.0	602120.0	1.367067	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

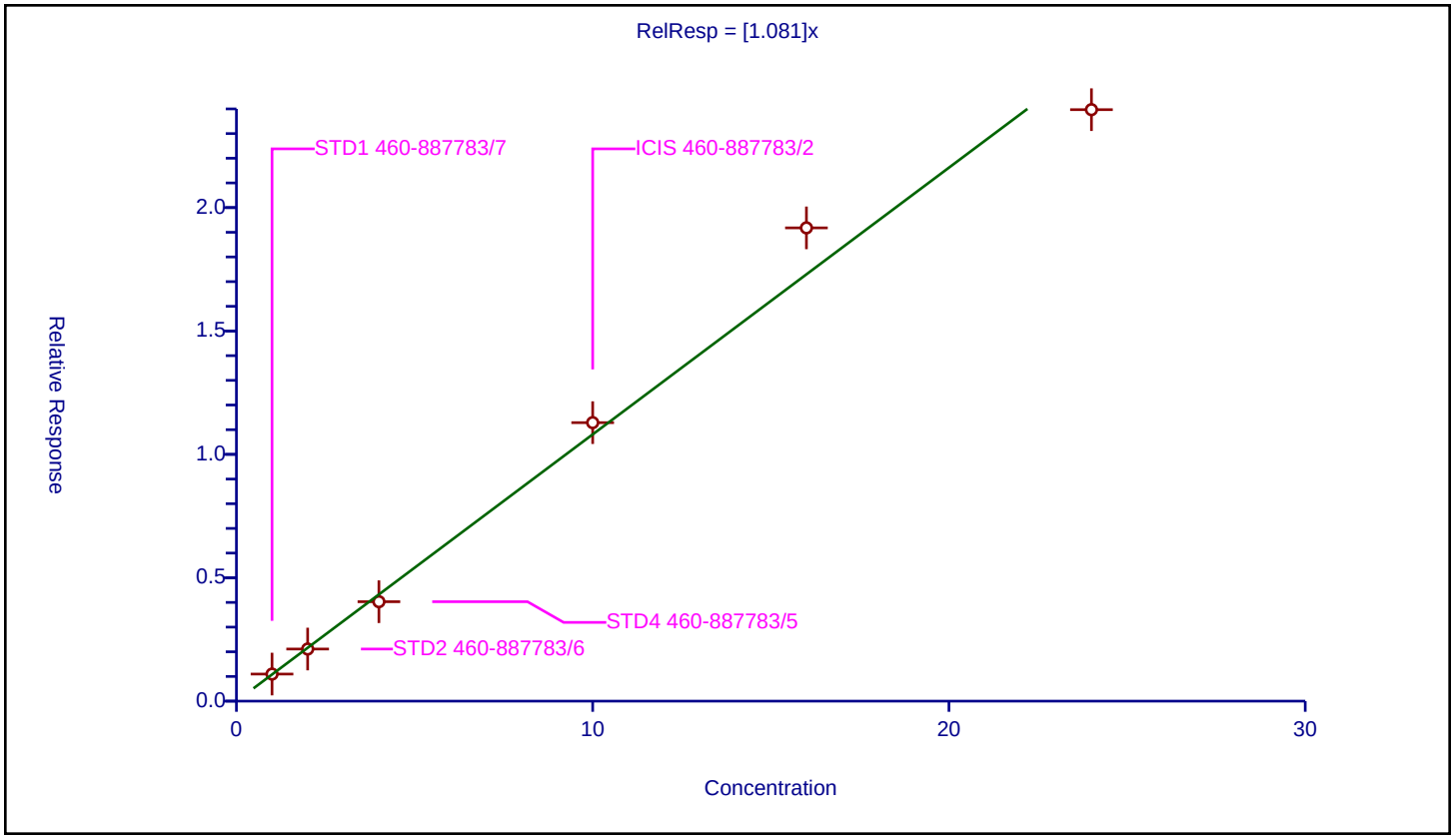
Curve Coefficients

Intercept:	0
Slope:	1.081

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	7.1
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.096687	8.0	664963.0	1.096687	Y
2	STD2 460-887783/6	2.0	2.111367	8.0	681564.0	1.055684	Y
3	STD4 460-887783/5	4.0	4.029711	8.0	659549.0	1.007428	Y
4	ICIS 460-887783/2	10.0	11.285679	8.0	601018.0	1.128568	Y
5	STD16 460-887783/4	16.0	19.178302	8.0	602908.0	1.198644	Y
6	STD24 460-887783/3	24.0	23.96875	8.0	602120.0	0.998698	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

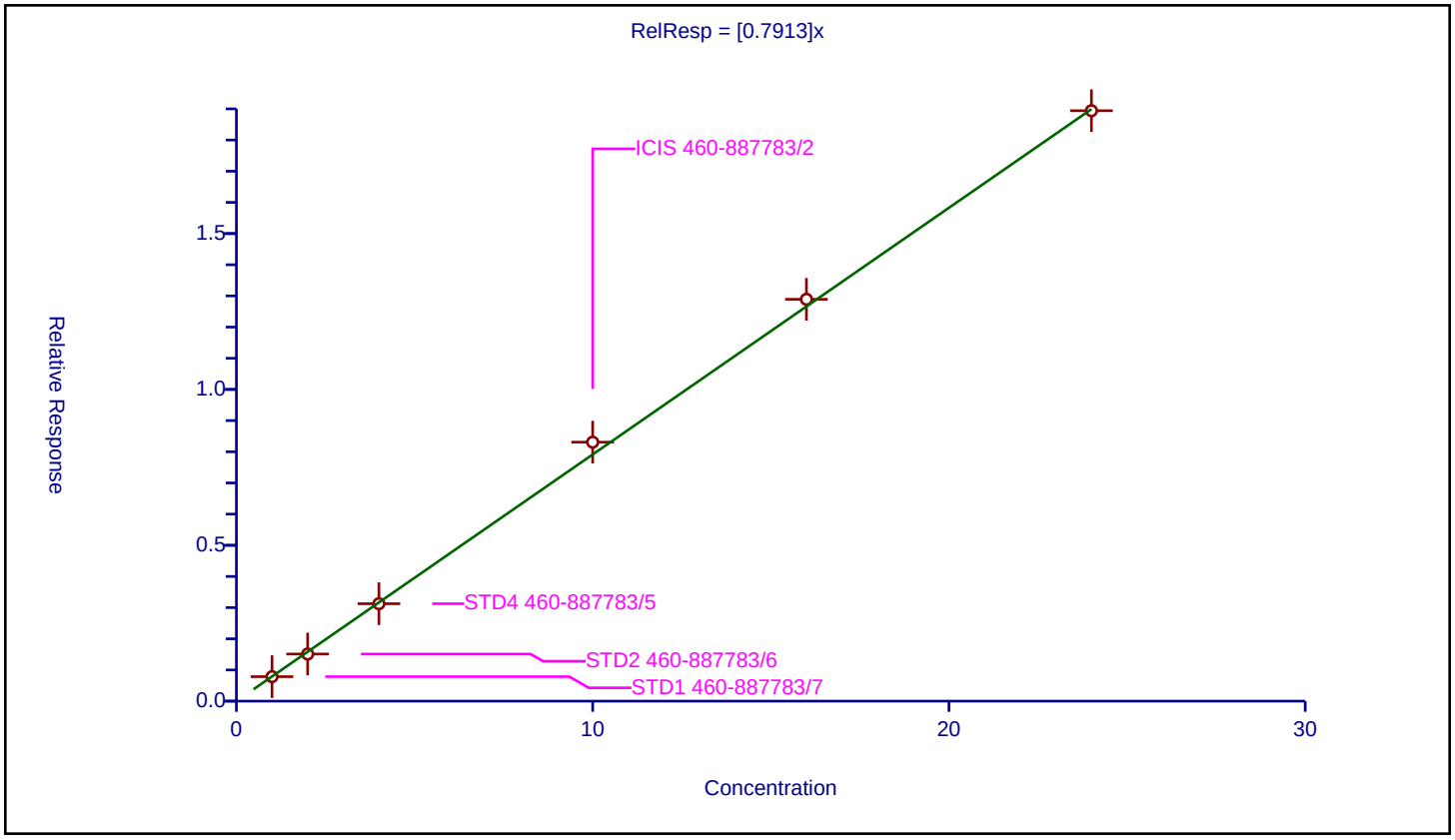
Curve Coefficients

Intercept:	0
Slope:	0.7913

Error Coefficients

Standard Error:	831000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.785475	8.0	664963.0	0.785475	Y
2	STD2 460-887783/6	2.0	1.510678	8.0	681564.0	0.755339	Y
3	STD4 460-887783/5	4.0	3.125469	8.0	659549.0	0.781367	Y
4	ICIS 460-887783/2	10.0	8.30817	8.0	601018.0	0.830817	Y
5	STD16 460-887783/4	16.0	12.891798	8.0	602908.0	0.805737	Y
6	STD24 460-887783/3	24.0	18.941208	8.0	602120.0	0.789217	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

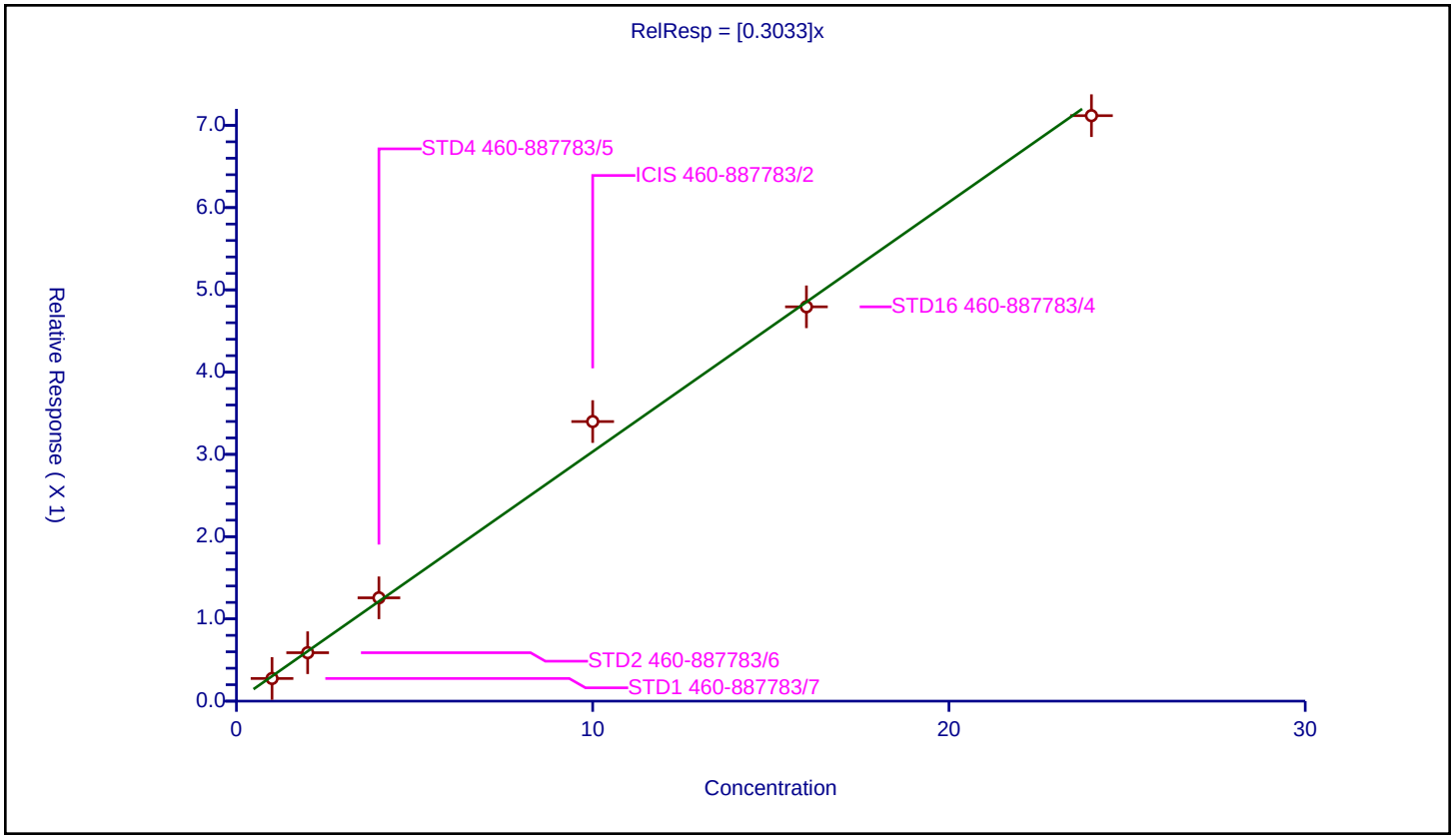
Curve Coefficients

Intercept:	0
Slope:	0.3033

Error Coefficients

Standard Error:	315000
Relative Standard Error:	7.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.2753	8.0	664963.0	0.2753	Y
2	STD2 460-887783/6	2.0	0.58867	8.0	681564.0	0.294335	Y
3	STD4 460-887783/5	4.0	1.256022	8.0	659549.0	0.314005	Y
4	ICIS 460-887783/2	10.0	3.398913	8.0	601018.0	0.339891	Y
5	STD16 460-887783/4	16.0	4.793753	8.0	602908.0	0.29961	Y
6	STD24 460-887783/3	24.0	7.117837	8.0	602120.0	0.296577	Y



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Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

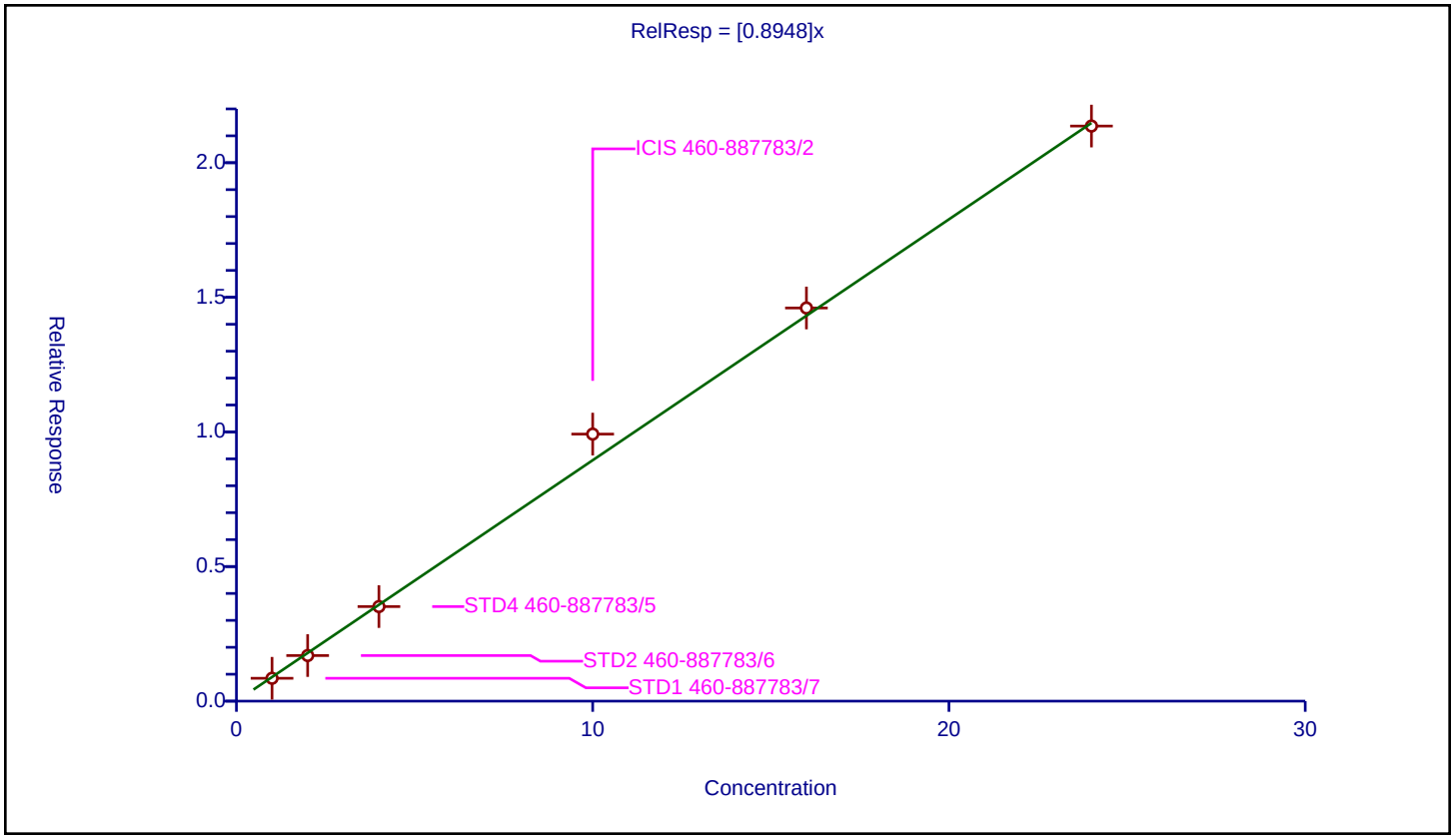
Curve Coefficients

Intercept:	0
Slope:	0.8948

Error Coefficients

Standard Error:	945000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.849154	8.0	664963.0	0.849154	Y
2	STD2 460-887783/6	2.0	1.693528	8.0	681564.0	0.846764	Y
3	STD4 460-887783/5	4.0	3.513128	8.0	659549.0	0.878282	Y
4	ICIS 460-887783/2	10.0	9.91973	8.0	601018.0	0.991973	Y
5	STD16 460-887783/4	16.0	14.604603	8.0	602908.0	0.912788	Y
6	STD24 460-887783/3	24.0	21.362599	8.0	602120.0	0.890108	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

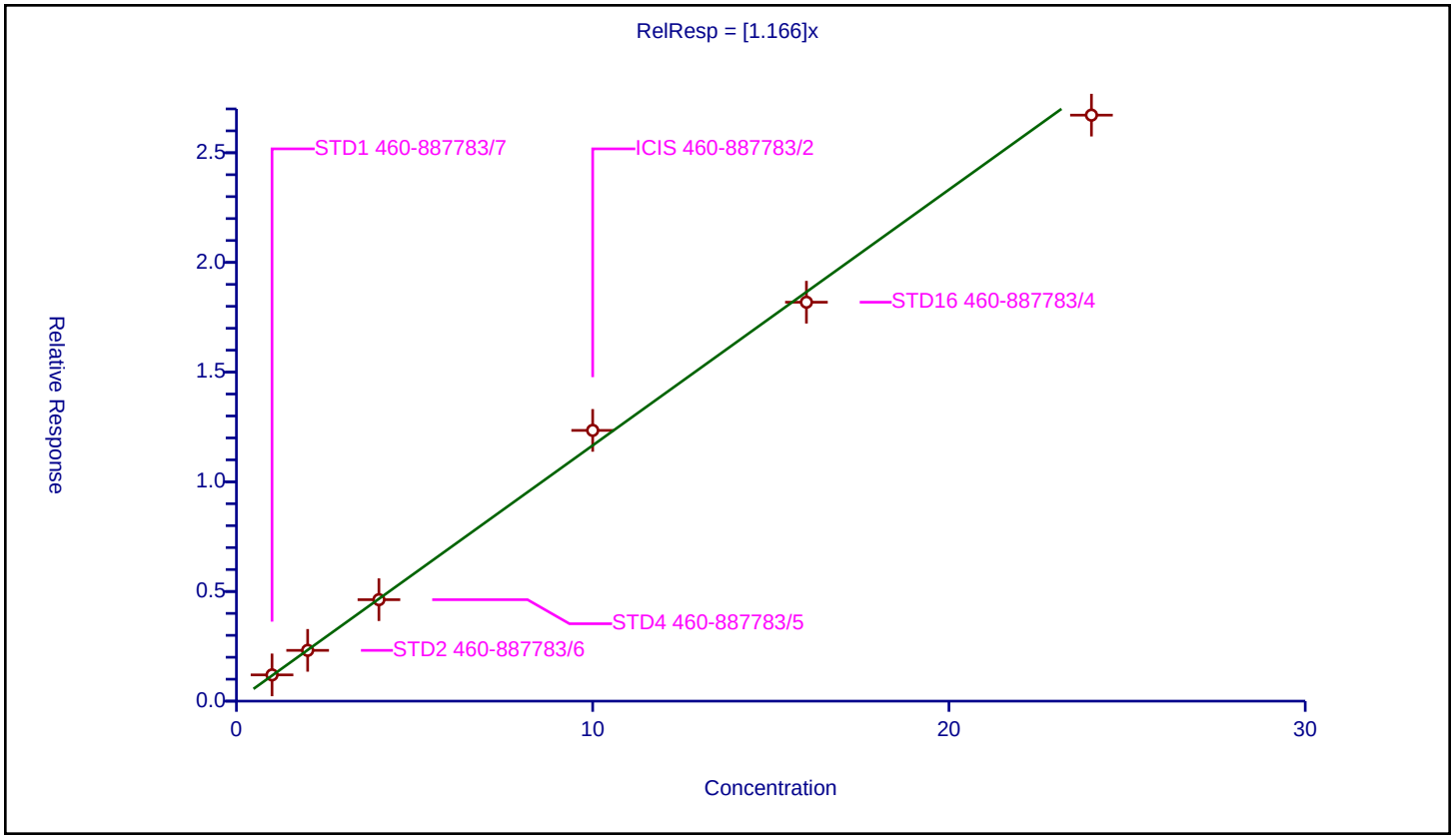
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	3.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.197071	8.0	664963.0	1.197071	Y
2	STD2 460-887783/6	2.0	2.315099	8.0	681564.0	1.157549	Y
3	STD4 460-887783/5	4.0	4.625452	8.0	659549.0	1.156363	Y
4	ICIS 460-887783/2	10.0	12.343337	8.0	601018.0	1.234334	Y
5	STD16 460-887783/4	16.0	18.186642	8.0	602908.0	1.136665	Y
6	STD24 460-887783/3	24.0	26.716216	8.0	602120.0	1.113176	Y



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

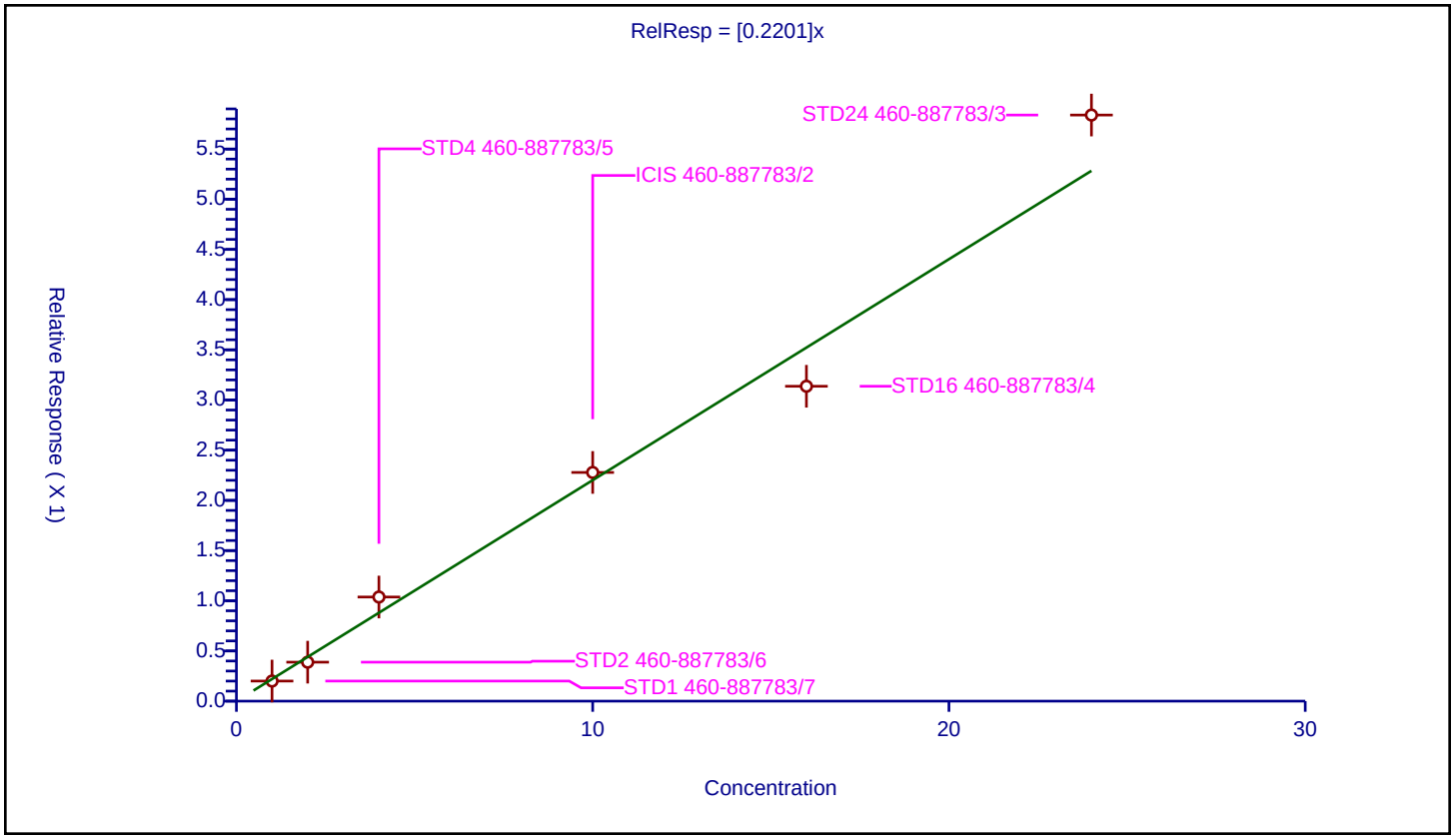
Curve Coefficients

Intercept:	0
Slope:	0.2201

Error Coefficients

Standard Error:	405000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.200077	8.0	1166350.0	0.200077	Y
2	STD2 460-887783/6	2.0	0.388382	8.0	1245062.0	0.194191	Y
3	STD4 460-887783/5	4.0	1.037287	8.0	993492.0	0.259322	Y
4	ICIS 460-887783/2	10.0	2.278258	8.0	1098734.0	0.227826	Y
5	STD16 460-887783/4	16.0	3.13697	8.0	1186225.0	0.196061	Y
6	STD24 460-887783/3	24.0	5.838832	8.0	952707.0	0.243285	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

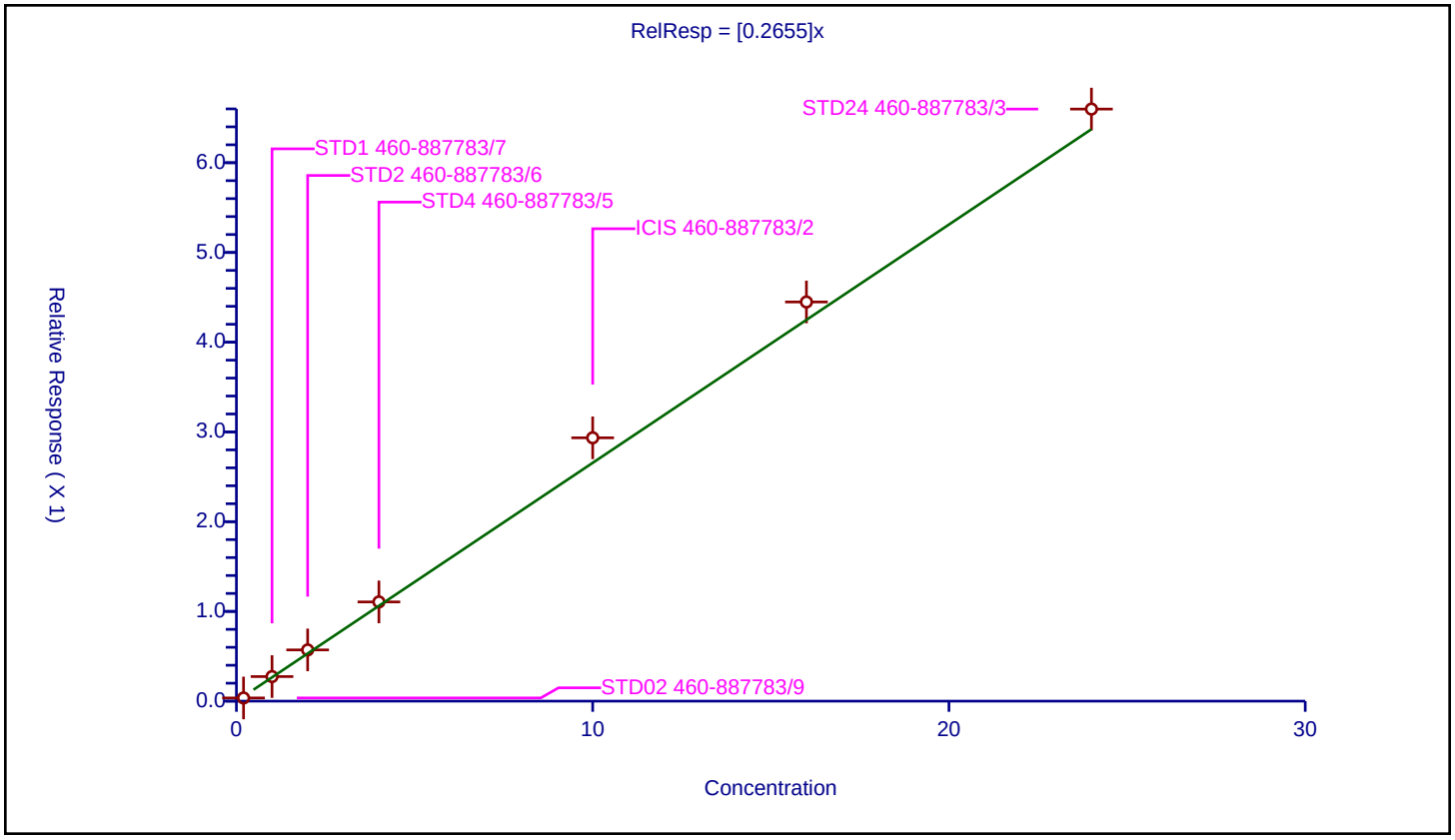
Curve Coefficients

Intercept:	0
Slope:	0.2655

Error Coefficients

Standard Error:	264000
Relative Standard Error:	15.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.035323	8.0	658379.0	0.176616	Y
2	STD1 460-887783/7	1.0	0.27394	8.0	664963.0	0.27394	Y
3	STD2 460-887783/6	2.0	0.570805	8.0	681564.0	0.285402	Y
4	STD4 460-887783/5	4.0	1.105883	8.0	659549.0	0.276471	Y
5	ICIS 460-887783/2	10.0	2.934714	8.0	601018.0	0.293471	Y
6	STD16 460-887783/4	16.0	4.448387	8.0	602908.0	0.278024	Y
7	STD24 460-887783/3	24.0	6.597914	8.0	602120.0	0.274913	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

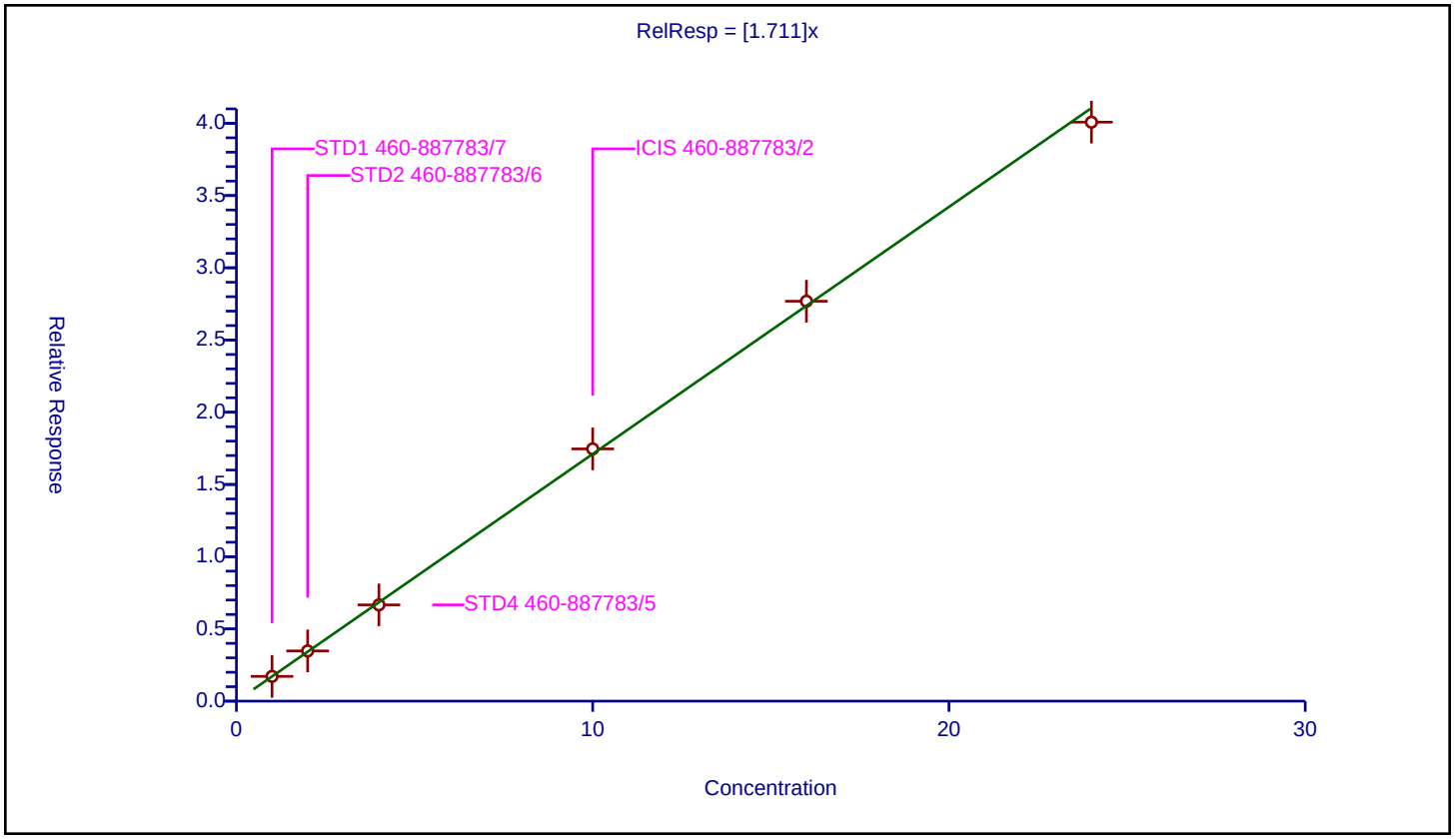
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.713611	8.0	664963.0	1.713611	Y
2	STD2 460-887783/6	2.0	3.475853	8.0	681564.0	1.737926	Y
3	STD4 460-887783/5	4.0	6.665112	8.0	659549.0	1.666278	Y
4	ICIS 460-887783/2	10.0	17.462665	8.0	601018.0	1.746267	Y
5	STD16 460-887783/4	16.0	27.685179	8.0	602908.0	1.730324	Y
6	STD24 460-887783/3	24.0	40.080848	8.0	602120.0	1.670035	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

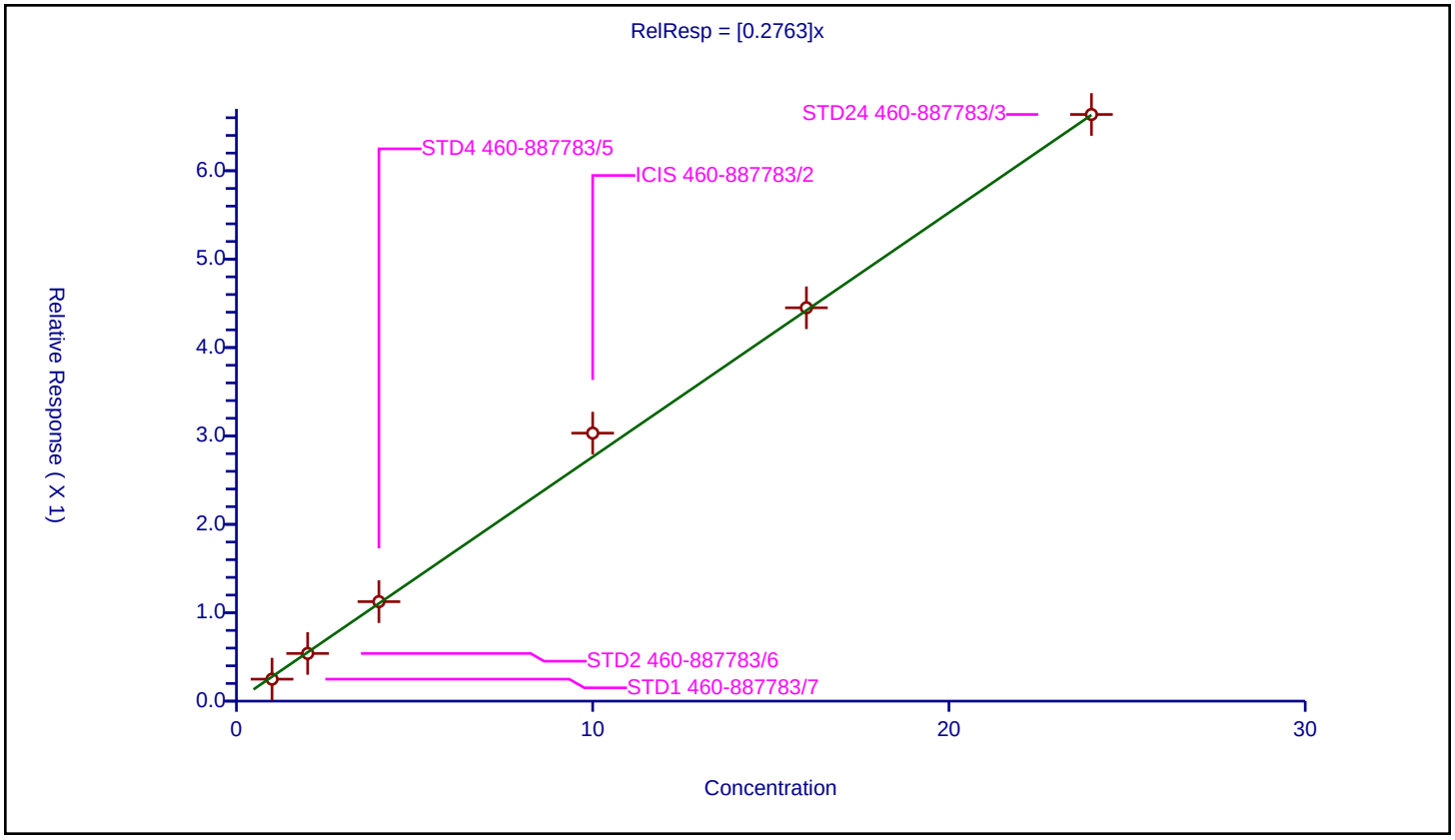
Curve Coefficients

Intercept:	0
Slope:	0.2763

Error Coefficients

Standard Error:	292000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.248832	8.0	664963.0	0.248832	Y
2	STD2 460-887783/6	2.0	0.539489	8.0	681564.0	0.269744	Y
3	STD4 460-887783/5	4.0	1.125654	8.0	659549.0	0.281414	Y
4	ICIS 460-887783/2	10.0	3.032042	8.0	601018.0	0.303204	Y
5	STD16 460-887783/4	16.0	4.450125	8.0	602908.0	0.278133	Y
6	STD24 460-887783/3	24.0	6.63691	8.0	602120.0	0.276538	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

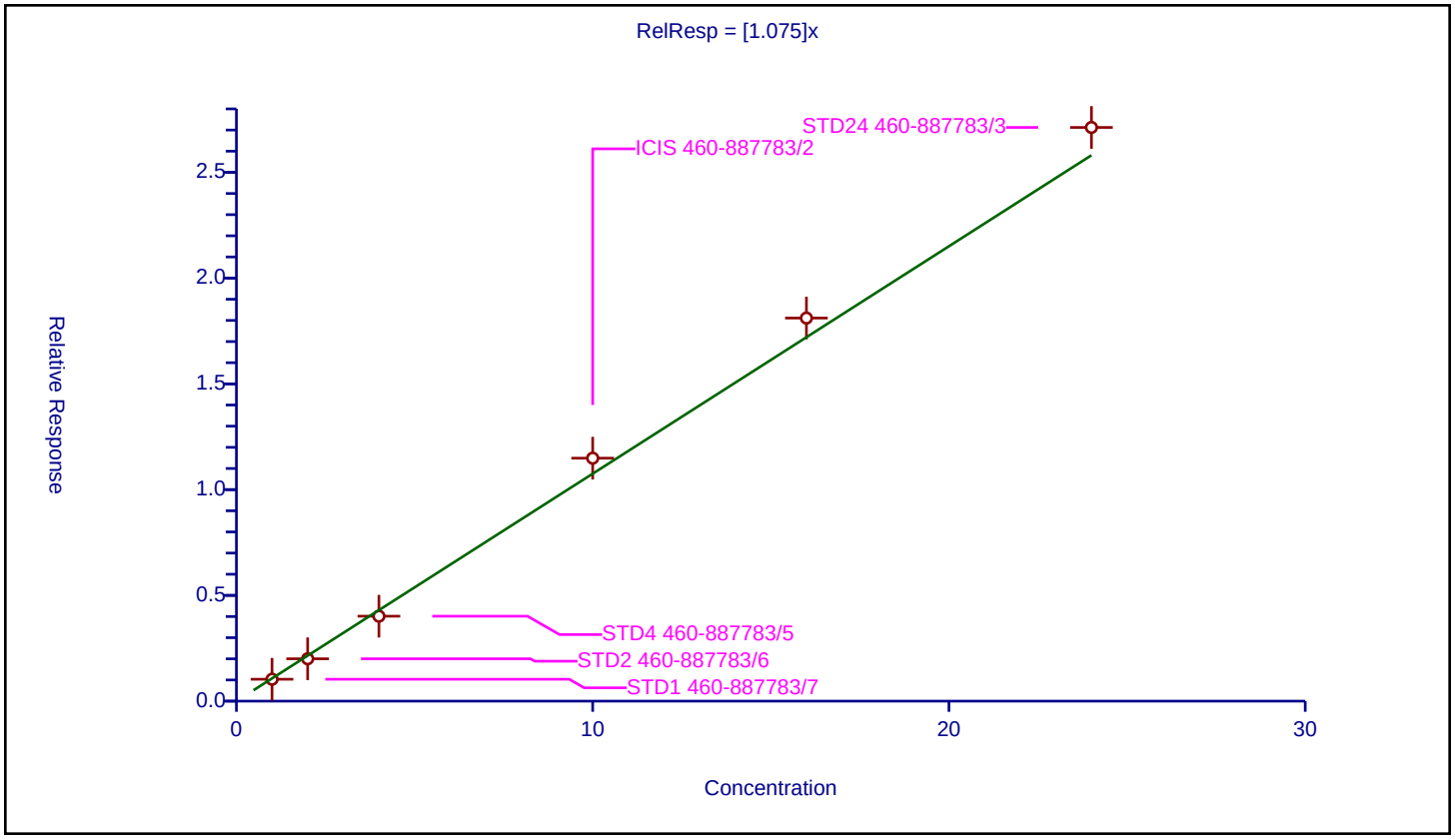
Curve Coefficients

Intercept:	0
Slope:	1.075

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.035378	8.0	664963.0	1.035378	Y
2	STD2 460-887783/6	2.0	2.003263	8.0	681564.0	1.001632	Y
3	STD4 460-887783/5	4.0	4.016053	8.0	659549.0	1.004013	Y
4	ICIS 460-887783/2	10.0	11.486698	8.0	601018.0	1.14867	Y
5	STD16 460-887783/4	16.0	18.111247	8.0	602908.0	1.131953	Y
6	STD24 460-887783/3	24.0	27.122806	8.0	602120.0	1.130117	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

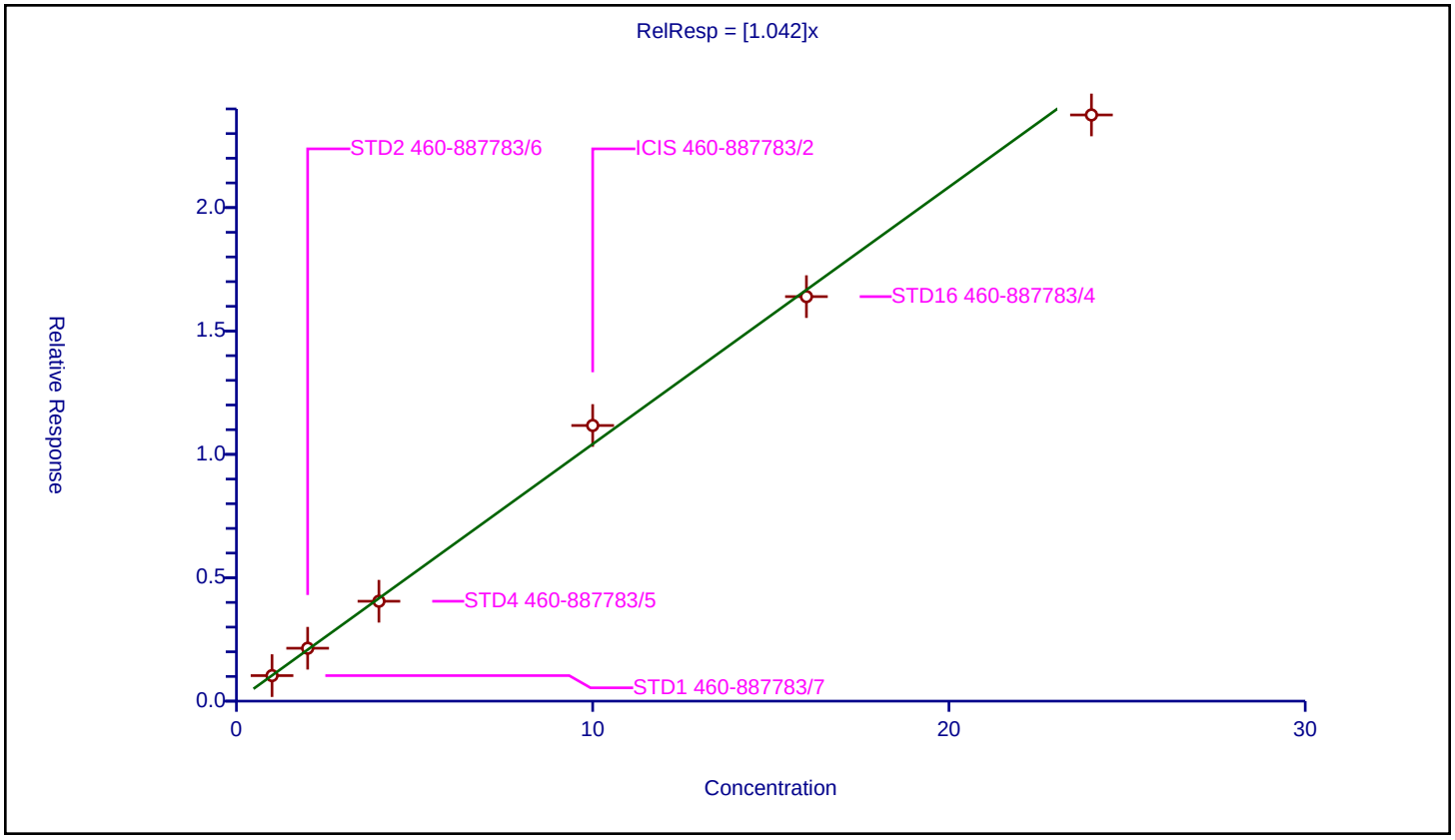
Curve Coefficients

Intercept:	0
Slope:	1.042

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.034235	8.0	664963.0	1.034235	Y
2	STD2 460-887783/6	2.0	2.144386	8.0	681564.0	1.072193	Y
3	STD4 460-887783/5	4.0	4.048269	8.0	659549.0	1.012067	Y
4	ICIS 460-887783/2	10.0	11.170381	8.0	601018.0	1.117038	Y
5	STD16 460-887783/4	16.0	16.392737	8.0	602908.0	1.024546	Y
6	STD24 460-887783/3	24.0	23.755265	8.0	602120.0	0.989803	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

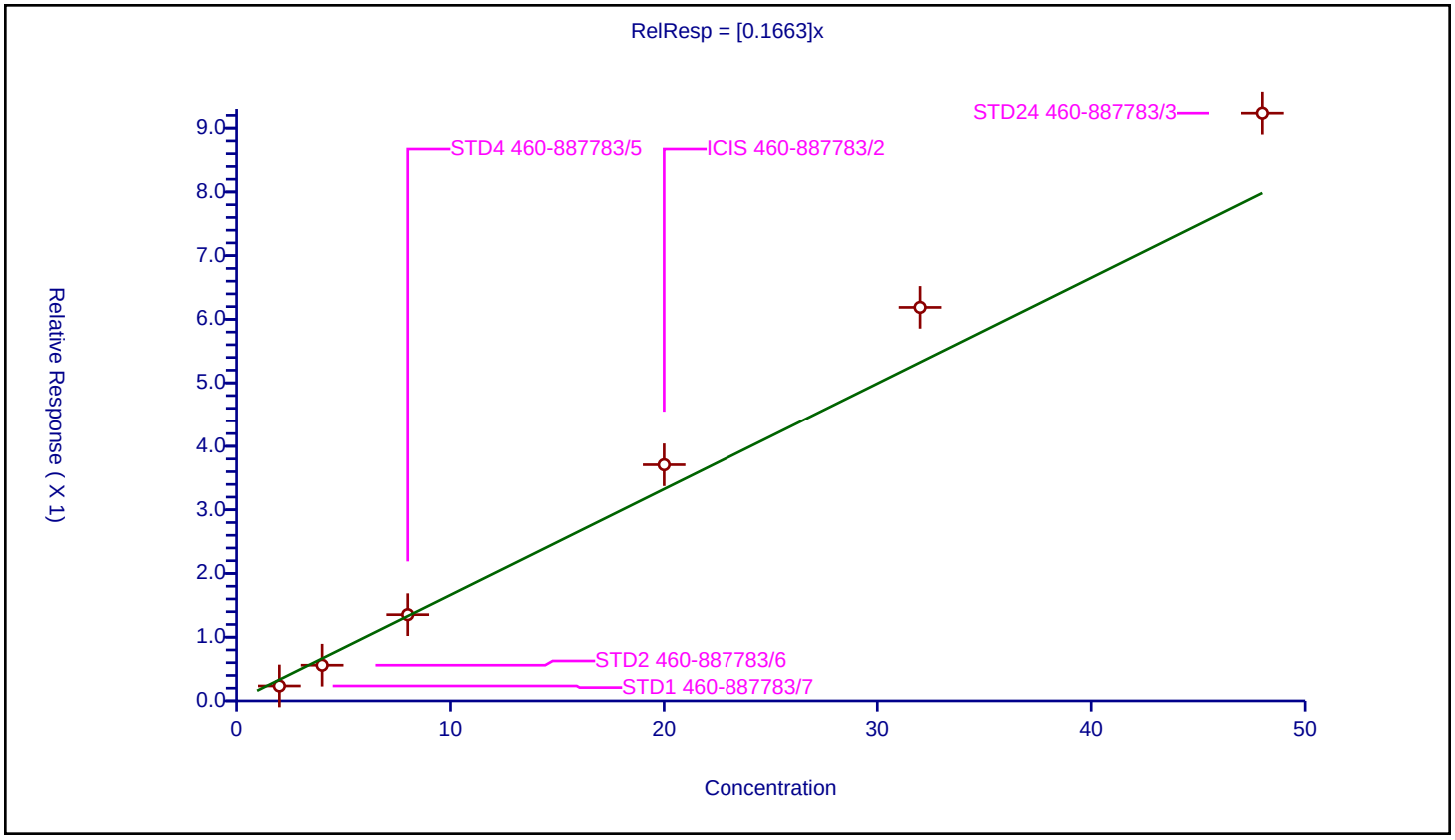
Curve Coefficients

Intercept:	0
Slope:	0.1663

Error Coefficients

Standard Error:	398000
Relative Standard Error:	18.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	2.0	0.23466	8.0	664963.0	0.11733	Y
2	STD2 460-887783/6	4.0	0.560628	8.0	681564.0	0.140157	Y
3	STD4 460-887783/5	8.0	1.35364	8.0	659549.0	0.169205	Y
4	ICIS 460-887783/2	20.0	3.709573	8.0	601018.0	0.185479	Y
5	STD16 460-887783/4	32.0	6.187796	8.0	602908.0	0.193369	Y
6	STD24 460-887783/3	48.0	9.234292	8.0	602120.0	0.192381	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

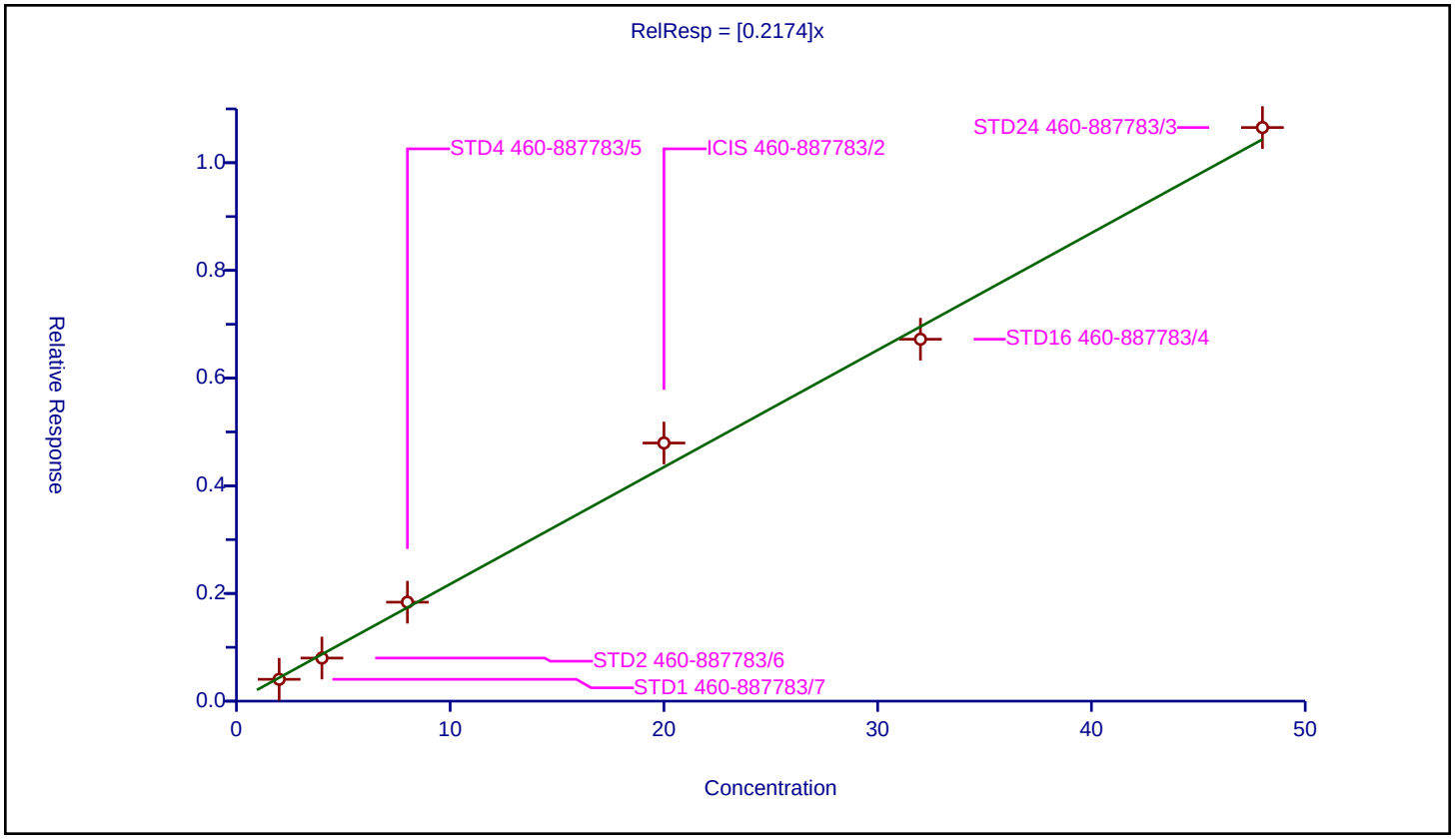
Curve Coefficients

Intercept:	0
Slope:	0.2174

Error Coefficients

Standard Error:	460000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	2.0	0.405376	8.0	664963.0	0.202688	Y
2	STD2 460-887783/6	4.0	0.800324	8.0	681564.0	0.200081	Y
3	STD4 460-887783/5	8.0	1.83791	8.0	659549.0	0.229739	Y
4	ICIS 460-887783/2	20.0	4.793986	8.0	601018.0	0.239699	Y
5	STD16 460-887783/4	32.0	6.72214	8.0	602908.0	0.210067	Y
6	STD24 460-887783/3	48.0	10.653797	8.0	602120.0	0.221954	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

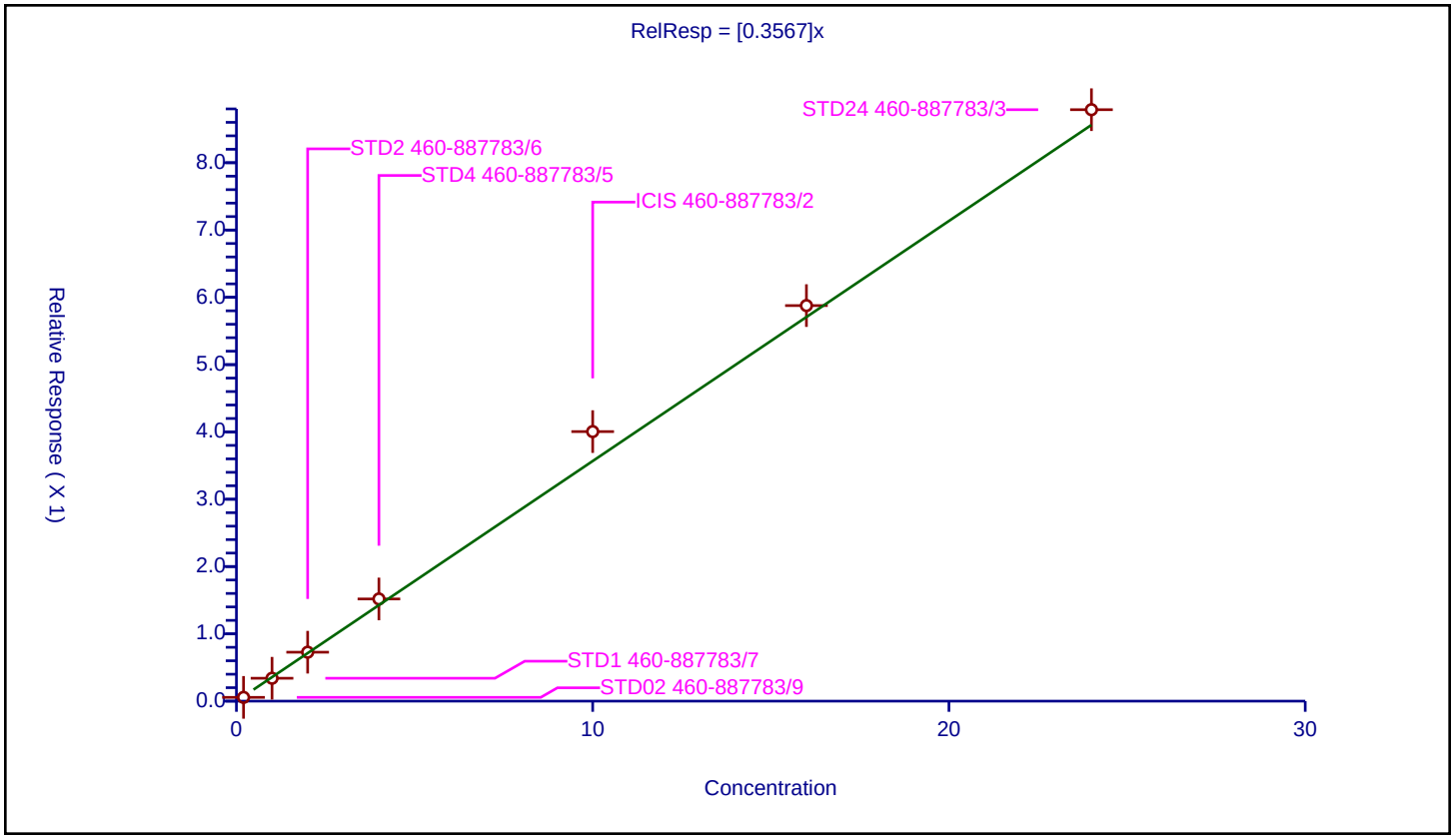
Curve Coefficients

Intercept:	0
Slope:	0.3567

Error Coefficients

Standard Error:	352000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.05598	8.0	658379.0	0.2799	Y
2	STD1 460-887783/7	1.0	0.340061	8.0	664963.0	0.340061	Y
3	STD2 460-887783/6	2.0	0.727069	8.0	681564.0	0.363534	Y
4	STD4 460-887783/5	4.0	1.51825	8.0	659549.0	0.379562	Y
5	ICIS 460-887783/2	10.0	4.005071	8.0	601018.0	0.400507	Y
6	STD16 460-887783/4	16.0	5.877421	8.0	602908.0	0.367339	Y
7	STD24 460-887783/3	24.0	8.788295	8.0	602120.0	0.366179	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

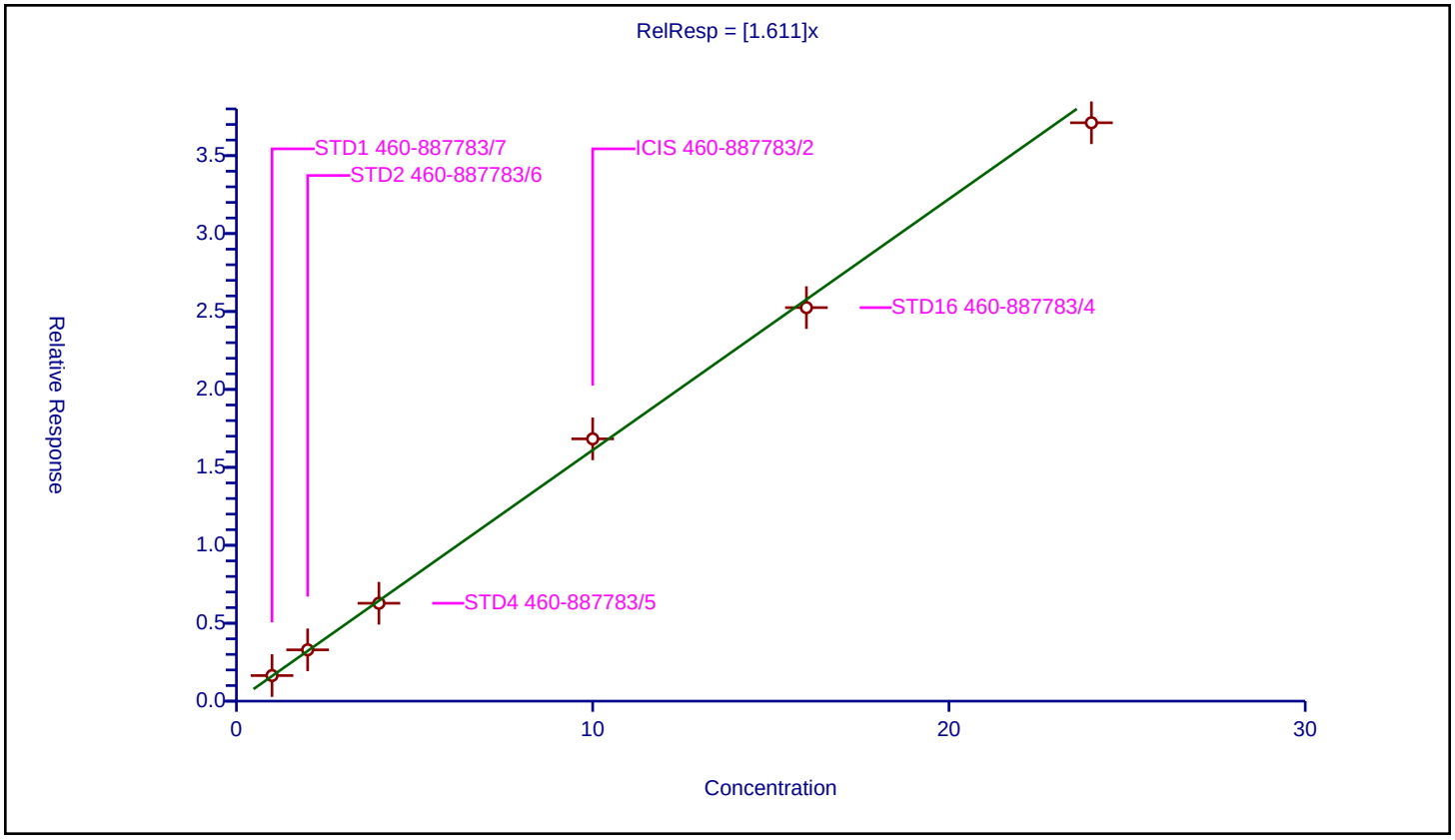
Curve Coefficients

Intercept:	0
Slope:	1.611

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.641379	8.0	664963.0	1.641379	Y
2	STD2 460-887783/6	2.0	3.292686	8.0	681564.0	1.646343	Y
3	STD4 460-887783/5	4.0	6.281541	8.0	659549.0	1.570385	Y
4	ICIS 460-887783/2	10.0	16.828048	8.0	601018.0	1.682805	Y
5	STD16 460-887783/4	16.0	25.249252	8.0	602908.0	1.578078	Y
6	STD24 460-887783/3	24.0	37.110211	8.0	602120.0	1.546259	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

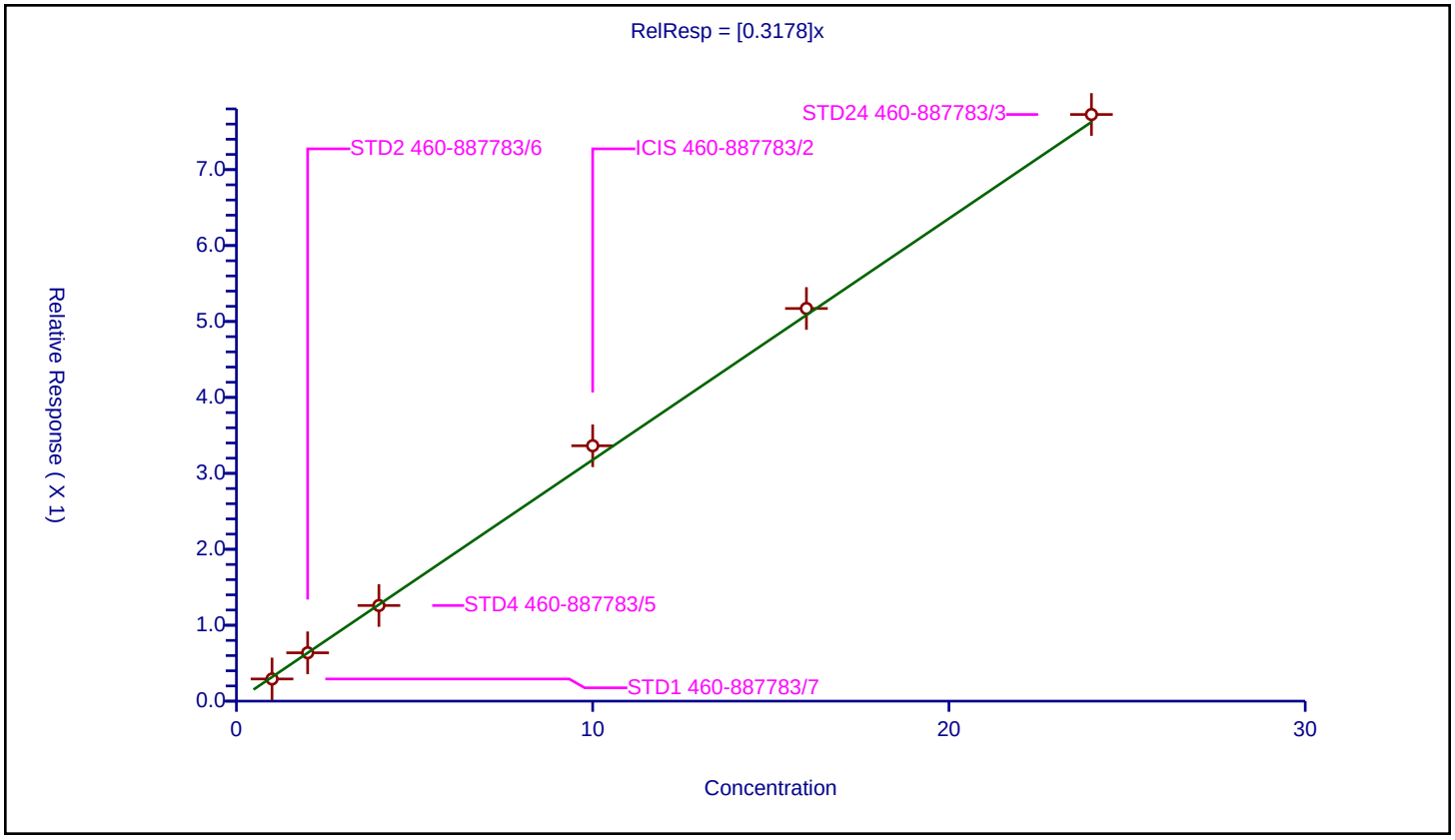
Curve Coefficients

Intercept:	0
Slope:	0.3178

Error Coefficients

Standard Error:	337000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.291938	8.0	664963.0	0.291938	Y
2	STD2 460-887783/6	2.0	0.636759	8.0	681564.0	0.318379	Y
3	STD4 460-887783/5	4.0	1.25994	8.0	659549.0	0.314985	Y
4	ICIS 460-887783/2	10.0	3.36352	8.0	601018.0	0.336352	Y
5	STD16 460-887783/4	16.0	5.17119	8.0	602908.0	0.323199	Y
6	STD24 460-887783/3	24.0	7.726287	8.0	602120.0	0.321929	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

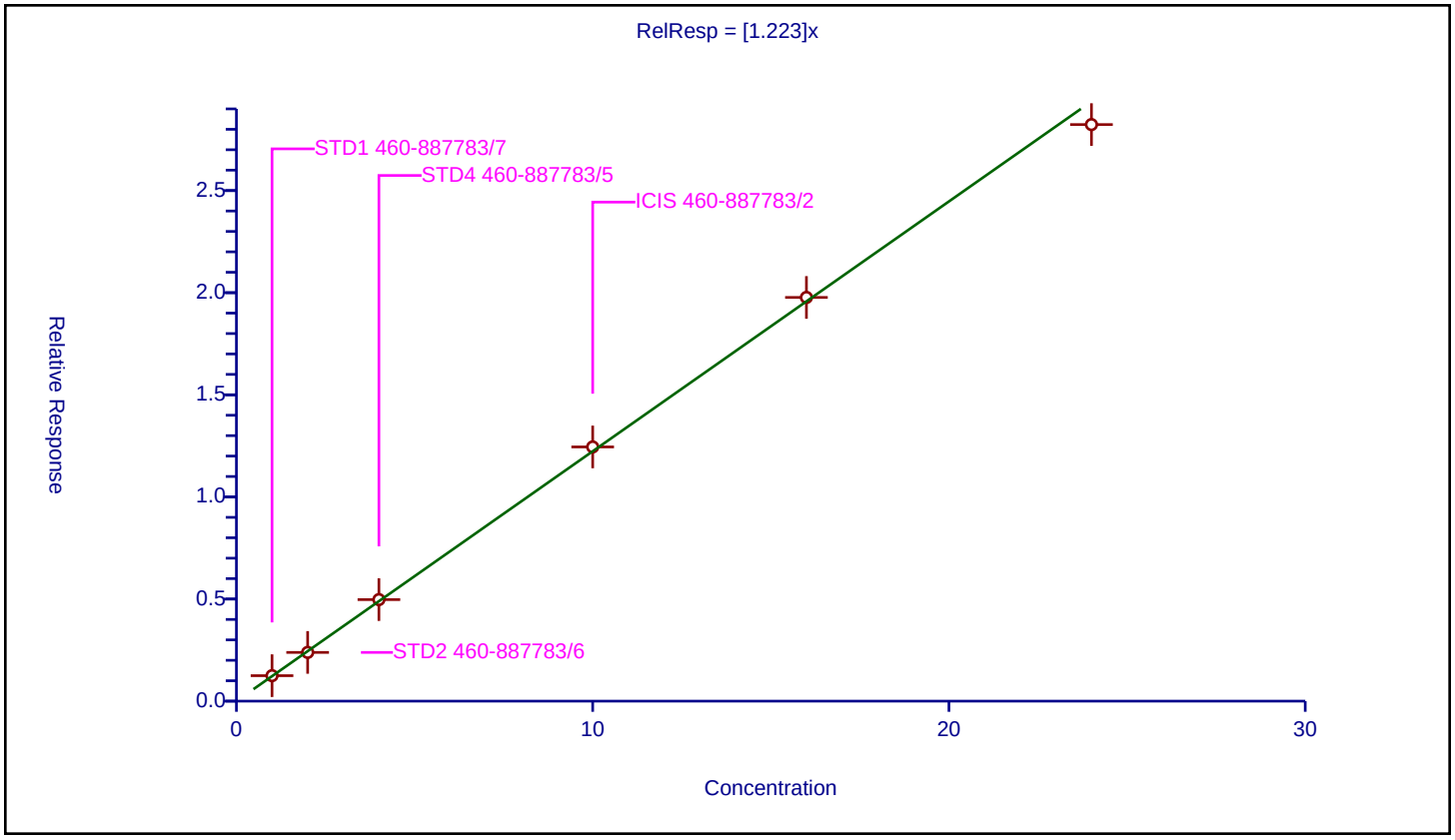
Curve Coefficients

Intercept:	0
Slope:	1.223

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.247745	8.0	664963.0	1.247745	Y
2	STD2 460-887783/6	2.0	2.386288	8.0	681564.0	1.193144	Y
3	STD4 460-887783/5	4.0	4.972198	8.0	659549.0	1.243049	Y
4	ICIS 460-887783/2	10.0	12.447095	8.0	601018.0	1.244709	Y
5	STD16 460-887783/4	16.0	19.767885	8.0	602908.0	1.235493	Y
6	STD24 460-887783/3	24.0	28.232259	8.0	602120.0	1.176344	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

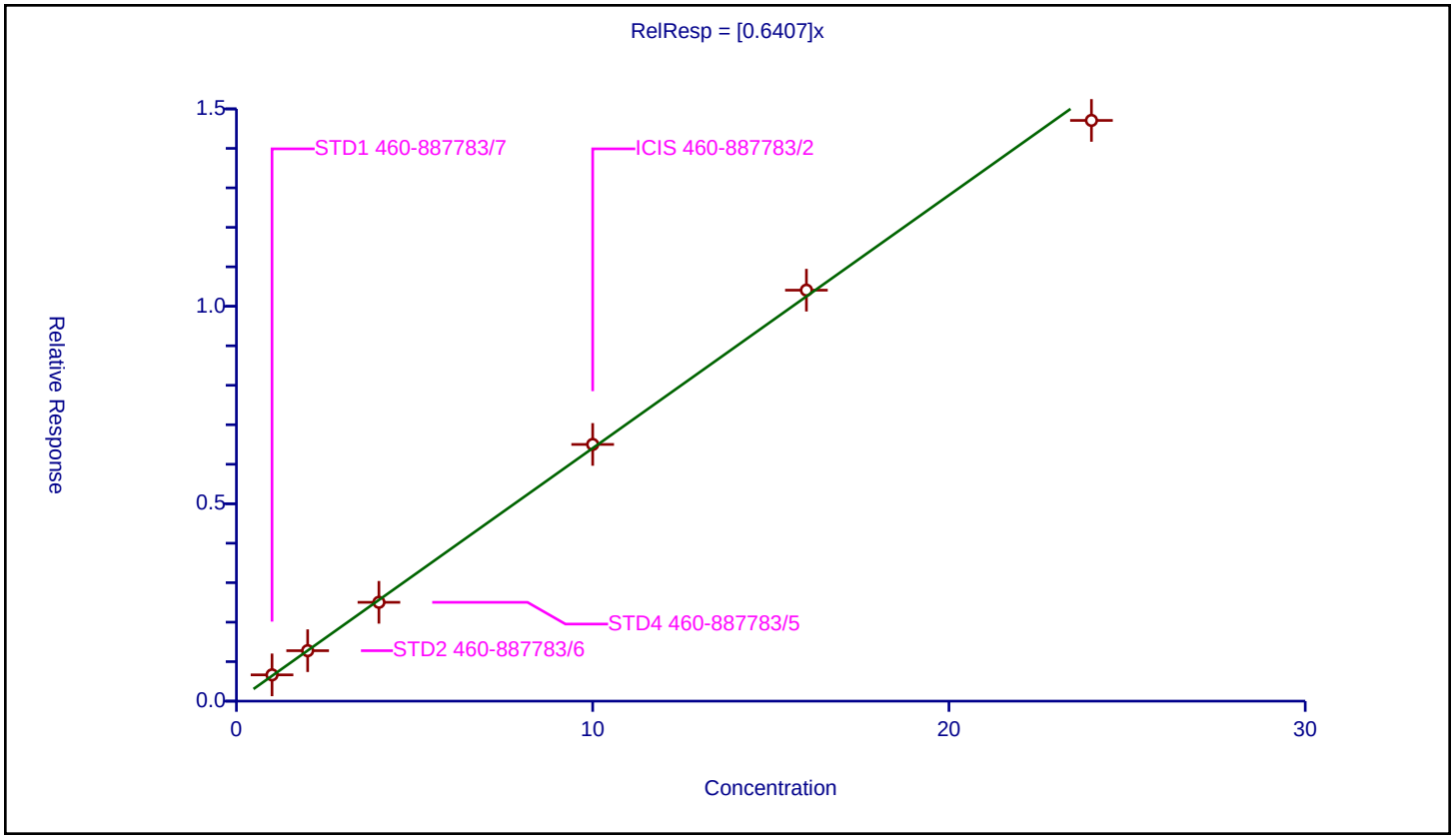
Curve Coefficients

Intercept:	0
Slope:	0.6407

Error Coefficients

Standard Error:	654000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.665661	8.0	664963.0	0.665661	Y
2	STD2 460-887783/6	2.0	1.27792	8.0	681564.0	0.63896	Y
3	STD4 460-887783/5	4.0	2.503298	8.0	659549.0	0.625825	Y
4	ICIS 460-887783/2	10.0	6.501795	8.0	601018.0	0.65018	Y
5	STD16 460-887783/4	16.0	10.409044	8.0	602908.0	0.650565	Y
6	STD24 460-887783/3	24.0	14.707859	8.0	602120.0	0.612827	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

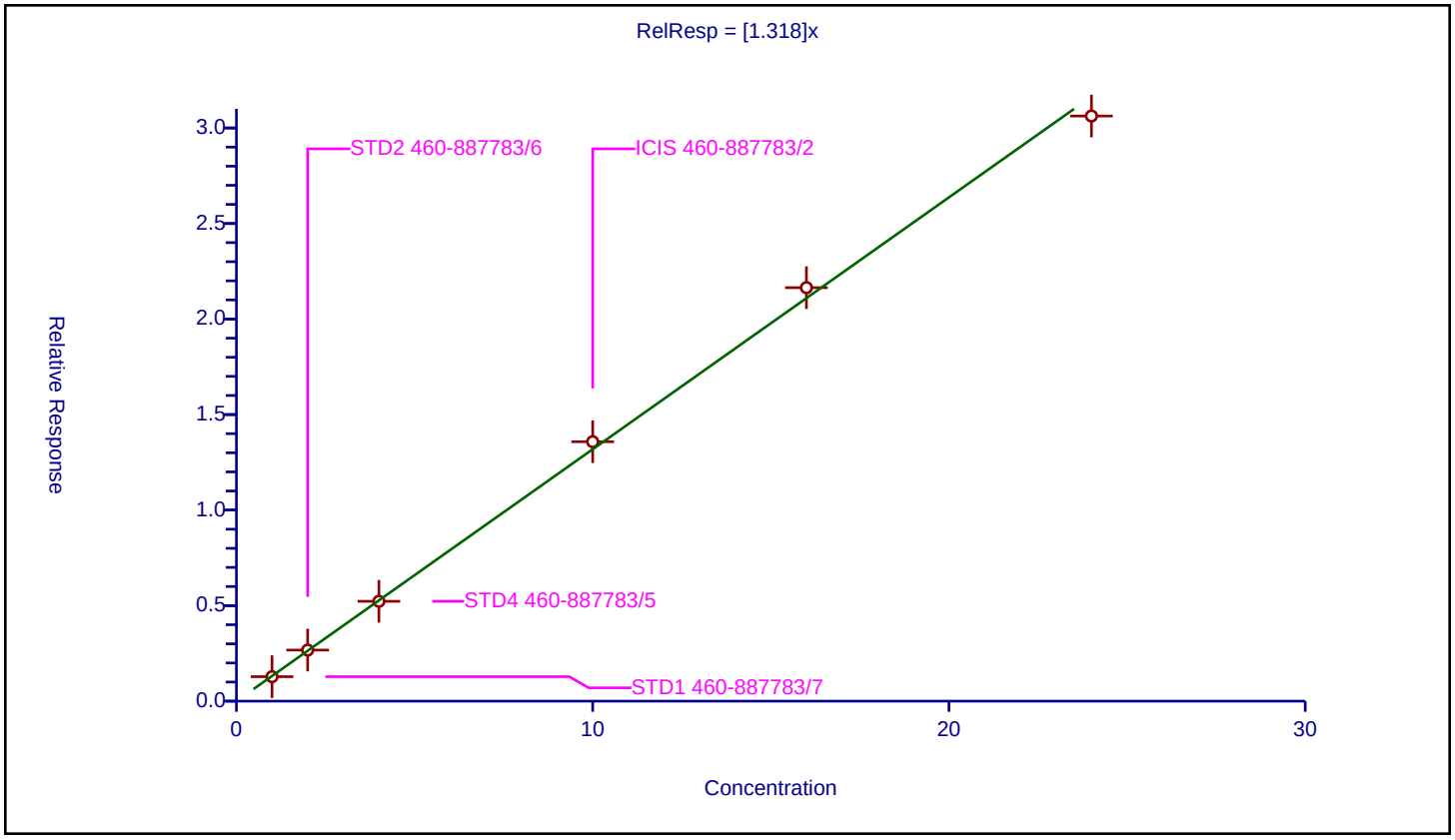
Curve Coefficients

Intercept:	0
Slope:	1.318

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.280276	8.0	664963.0	1.280276	Y
2	STD2 460-887783/6	2.0	2.673862	8.0	681564.0	1.336931	Y
3	STD4 460-887783/5	4.0	5.226007	8.0	659549.0	1.306502	Y
4	ICIS 460-887783/2	10.0	13.57936	8.0	601018.0	1.357936	Y
5	STD16 460-887783/4	16.0	21.643236	8.0	602908.0	1.352702	Y
6	STD24 460-887783/3	24.0	30.625696	8.0	602120.0	1.276071	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

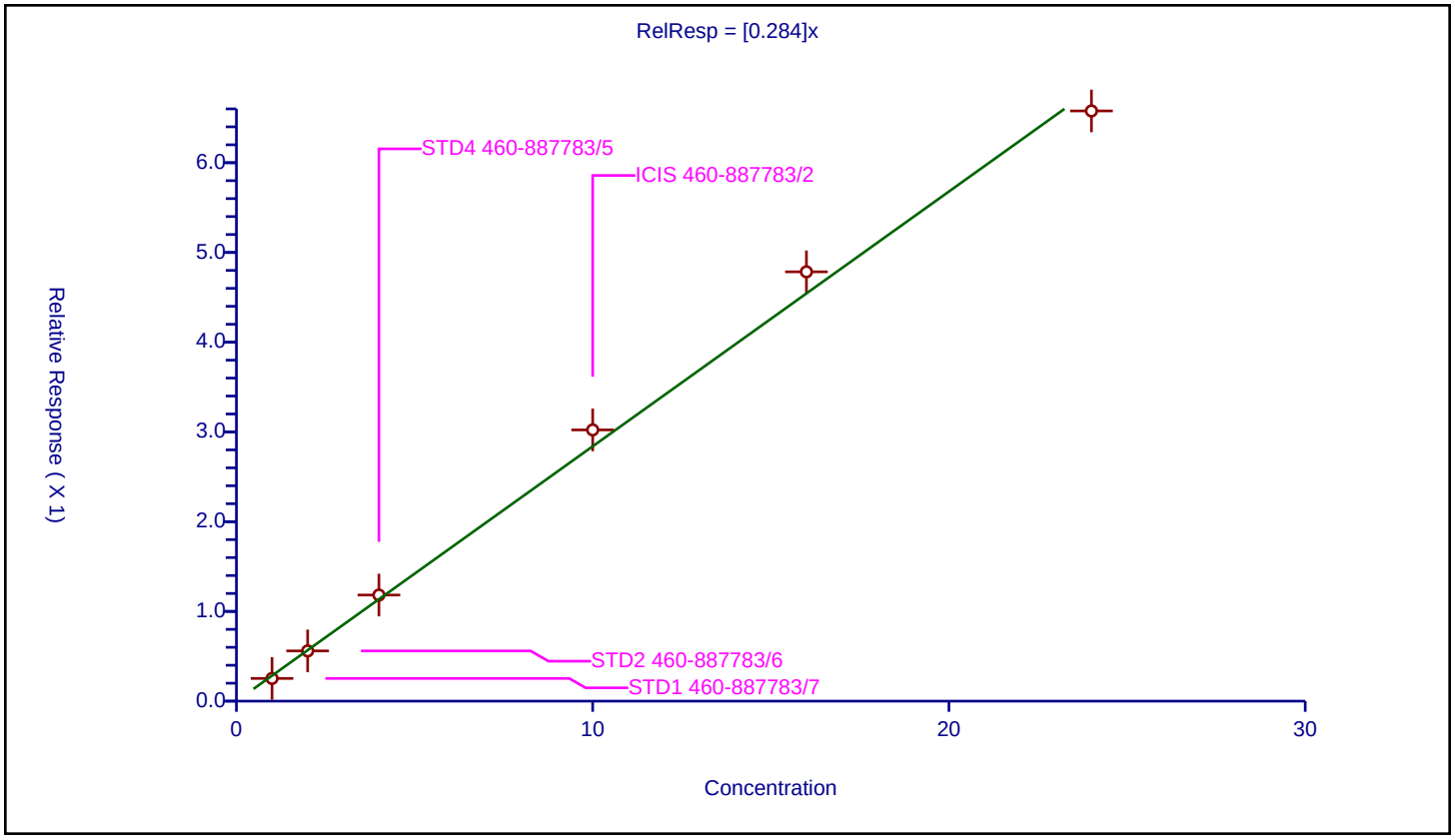
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Standard Error:	296000
Relative Standard Error:	6.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.25297	8.0	664963.0	0.25297	Y
2	STD2 460-887783/6	2.0	0.55976	8.0	681564.0	0.27988	Y
3	STD4 460-887783/5	4.0	1.182214	8.0	659549.0	0.295553	Y
4	ICIS 460-887783/2	10.0	3.022592	8.0	601018.0	0.302259	Y
5	STD16 460-887783/4	16.0	4.784558	8.0	602908.0	0.299035	Y
6	STD24 460-887783/3	24.0	6.577134	8.0	602120.0	0.274047	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

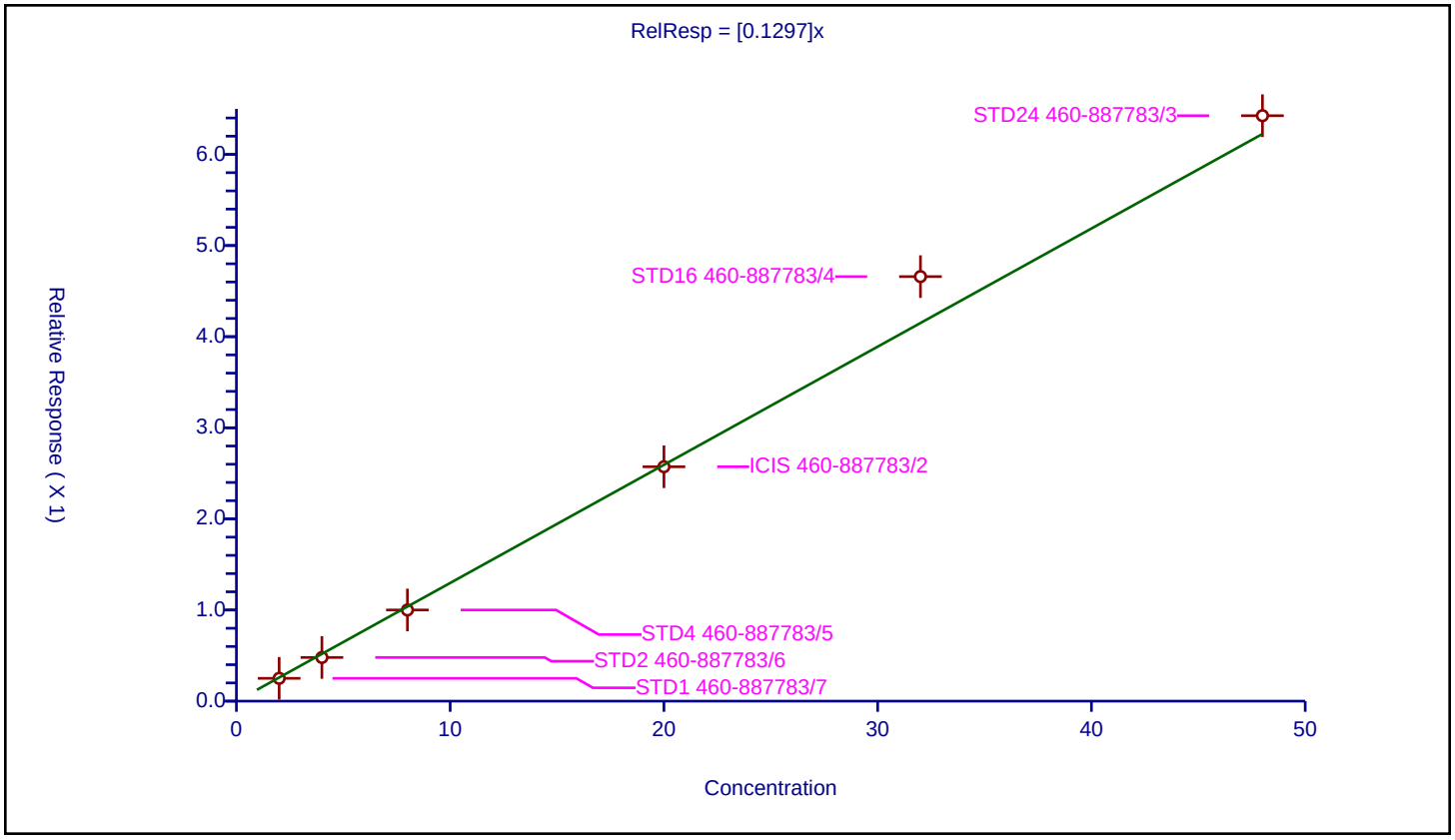
Curve Coefficients

Intercept:	0
Slope:	0.1297

Error Coefficients

Standard Error:	479000
Relative Standard Error:	7.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	2.0	0.250223	8.0	1024208.0	0.125111	Y
2	STD2 460-887783/6	4.0	0.479279	8.0	1189419.0	0.11982	Y
3	STD4 460-887783/5	8.0	1.000544	8.0	1172338.0	0.125068	Y
4	ICIS 460-887783/2	20.0	2.572417	8.0	954598.0	0.128621	Y
5	STD16 460-887783/4	32.0	4.659353	8.0	973251.0	0.145605	Y
6	STD24 460-887783/3	48.0	6.425212	8.0	1045032.0	0.133859	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

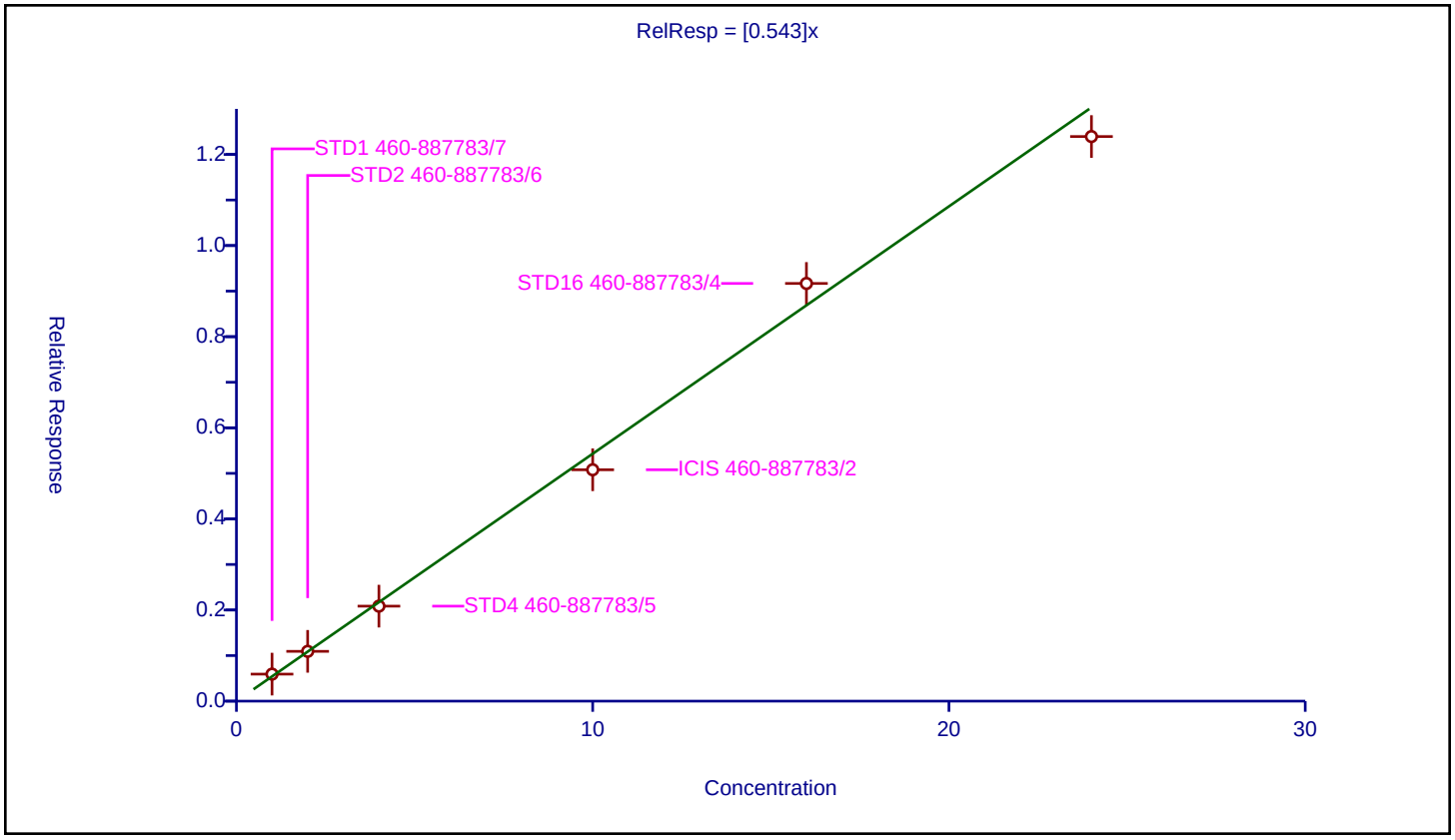
Curve Coefficients

Intercept:	0
Slope:	0.543

Error Coefficients

Standard Error:	934000
Relative Standard Error:	6.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.592903	8.0	1024208.0	0.592903	Y
2	STD2 460-887783/6	2.0	1.092883	8.0	1189419.0	0.546442	Y
3	STD4 460-887783/5	4.0	2.085296	8.0	1172338.0	0.521324	Y
4	ICIS 460-887783/2	10.0	5.079005	8.0	954598.0	0.5079	Y
5	STD16 460-887783/4	16.0	9.168422	8.0	973251.0	0.573026	Y
6	STD24 460-887783/3	24.0	12.393106	8.0	1045032.0	0.516379	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

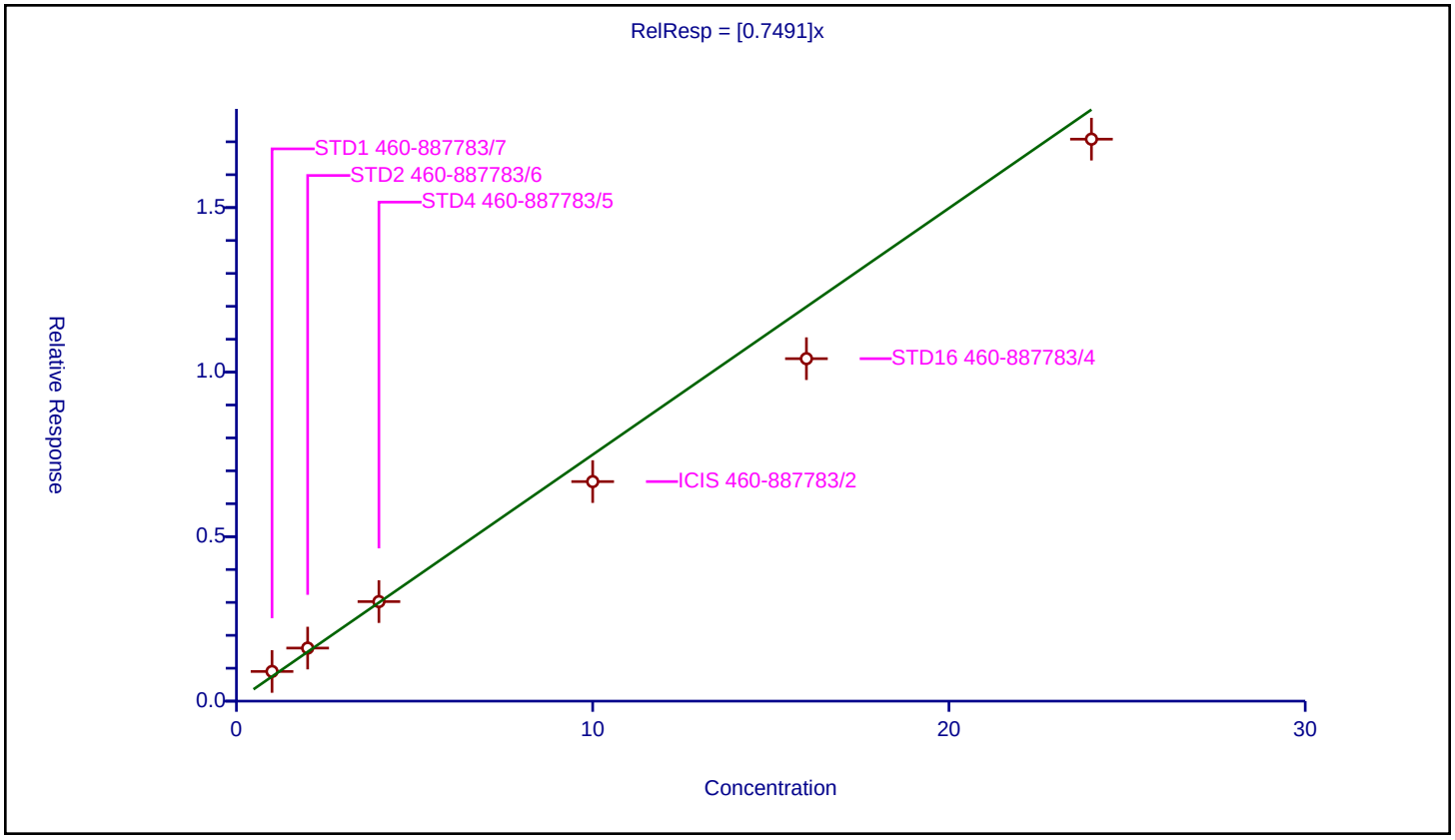
Curve Coefficients

Intercept:	0
Slope:	0.7491

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	12.6
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.902231	8.0	1024208.0	0.902231	Y
2	STD2 460-887783/6	2.0	1.613003	8.0	1189419.0	0.806501	Y
3	STD4 460-887783/5	4.0	3.025305	8.0	1172338.0	0.756326	Y
4	ICIS 460-887783/2	10.0	6.672539	8.0	954598.0	0.667254	Y
5	STD16 460-887783/4	16.0	10.408891	8.0	973251.0	0.650556	Y
6	STD24 460-887783/3	24.0	17.080465	8.0	1045032.0	0.711686	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

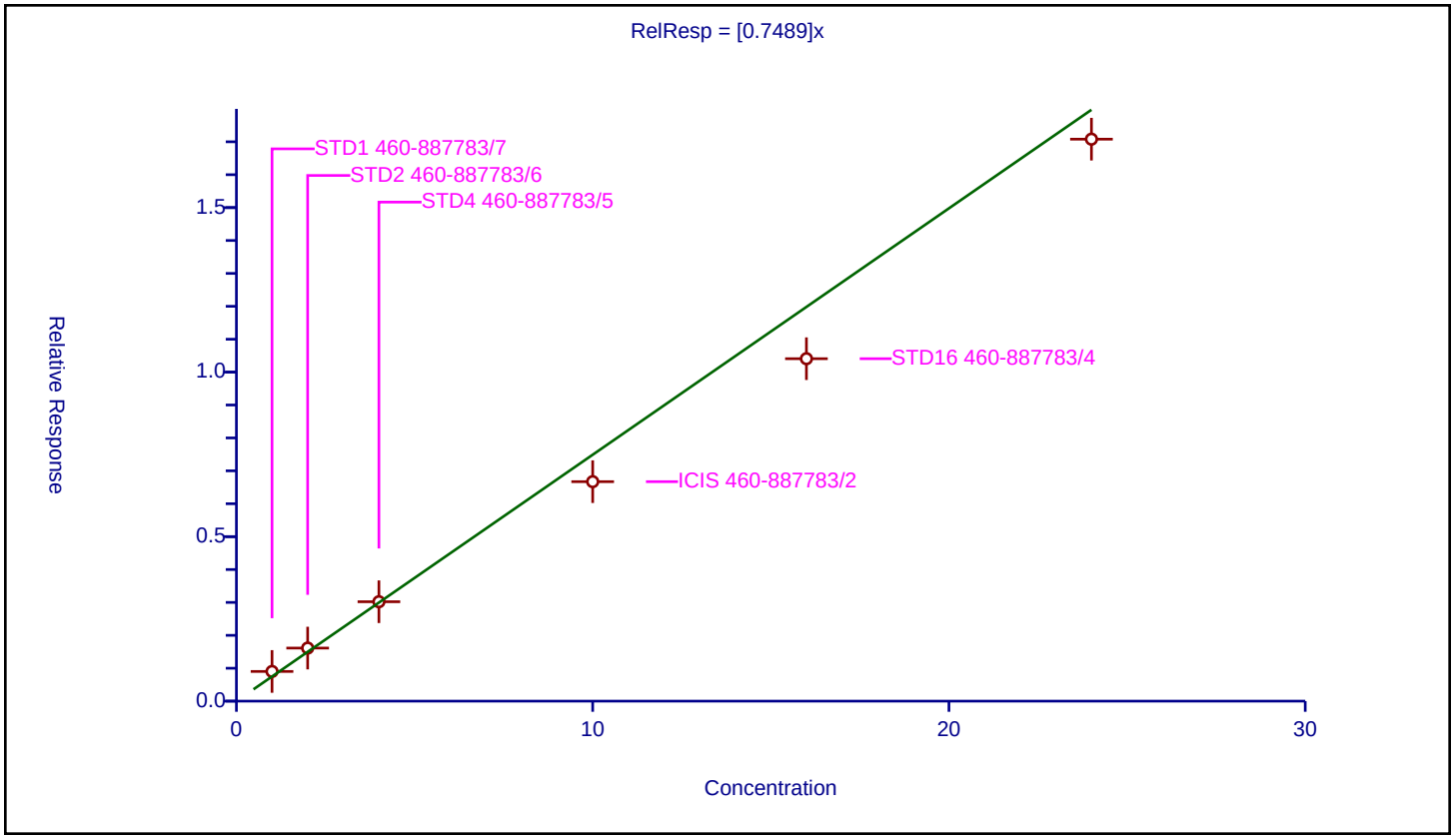
Curve Coefficients

Intercept:	0
Slope:	0.7489

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	12.6
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.902231	8.0	1024208.0	0.902231	Y
2	STD2 460-887783/6	2.0	1.613003	8.0	1189419.0	0.806501	Y
3	STD4 460-887783/5	4.0	3.020985	8.0	1172338.0	0.755246	Y
4	ICIS 460-887783/2	10.0	6.670536	8.0	954598.0	0.667054	Y
5	STD16 460-887783/4	16.0	10.407823	8.0	973251.0	0.650489	Y
6	STD24 460-887783/3	24.0	17.079462	8.0	1045032.0	0.711644	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

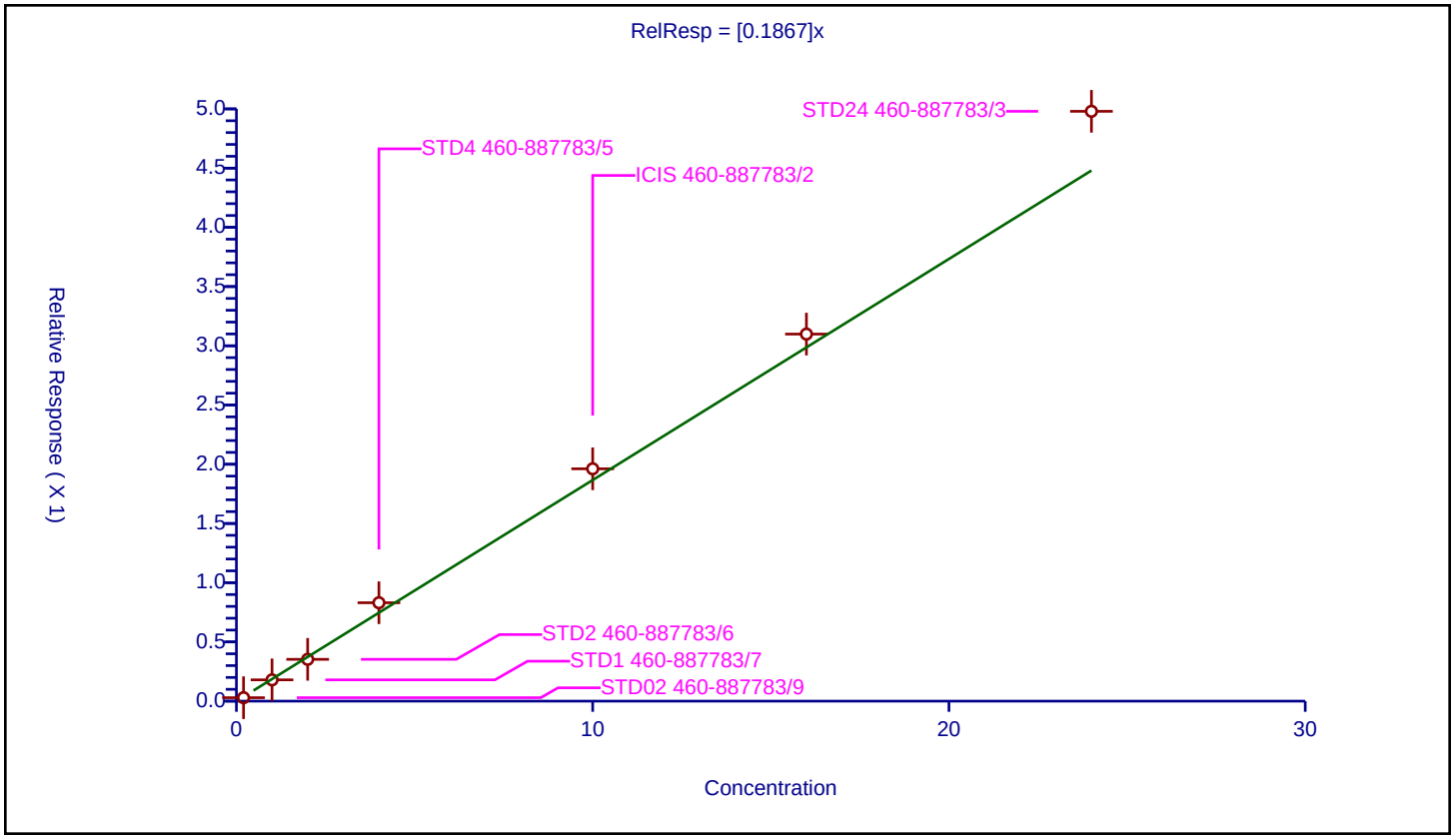
Curve Coefficients

Intercept:	0
Slope:	0.1867

Error Coefficients

Standard Error:	193000
Relative Standard Error:	11.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.029065	8.0	658379.0	0.145327	Y
2	STD1 460-887783/7	1.0	0.179715	8.0	664963.0	0.179715	Y
3	STD2 460-887783/6	2.0	0.353012	8.0	681564.0	0.176506	Y
4	STD4 460-887783/5	4.0	0.830786	8.0	659549.0	0.207696	Y
5	ICIS 460-887783/2	10.0	1.961592	8.0	601018.0	0.196159	Y
6	STD16 460-887783/4	16.0	3.098887	8.0	602908.0	0.19368	Y
7	STD24 460-887783/3	24.0	4.979499	8.0	602120.0	0.207479	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

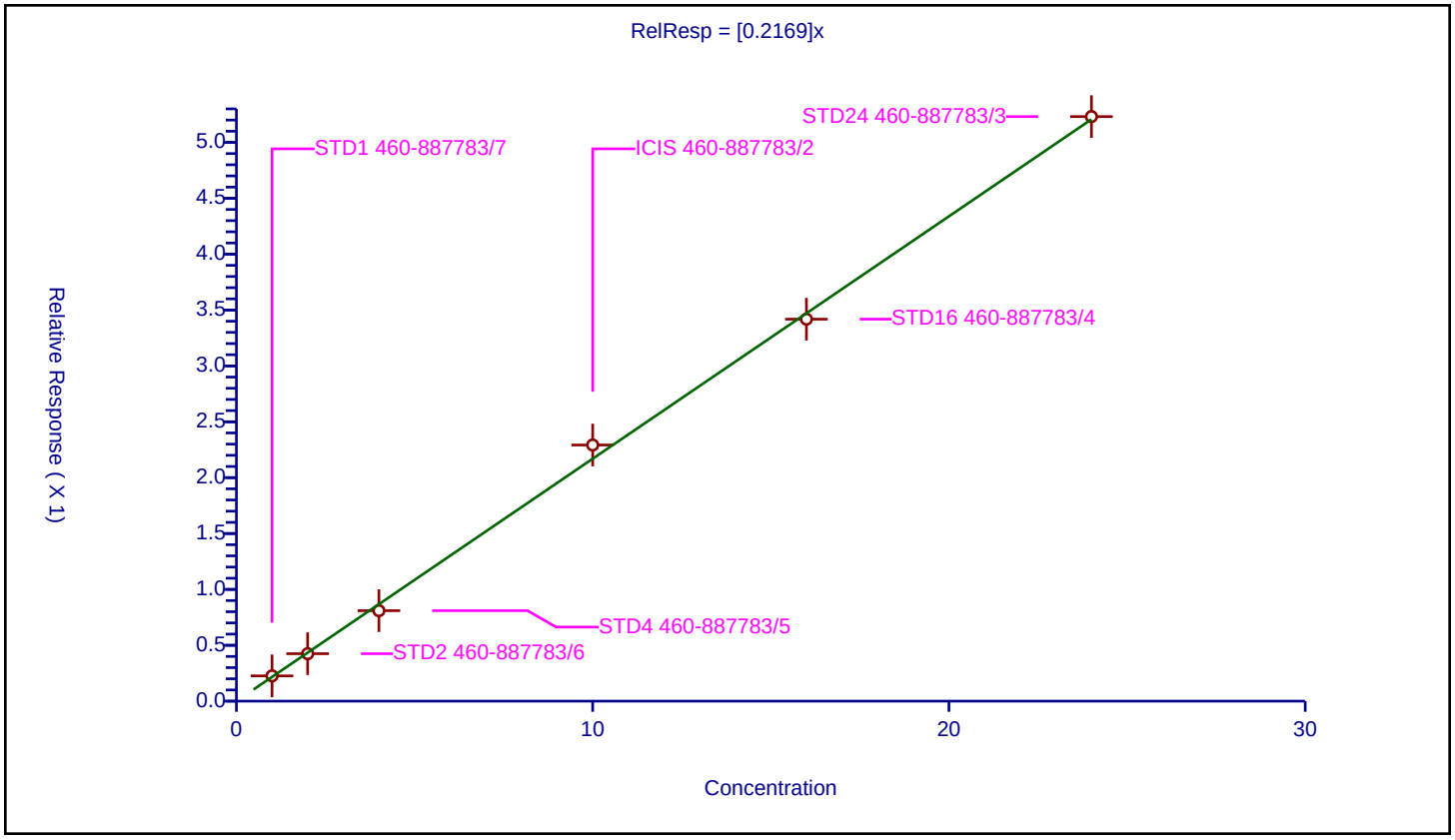
Curve Coefficients

Intercept:	0
Slope:	0.2169

Error Coefficients

Standard Error:	383000
Relative Standard Error:	4.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.226126	8.0	1024208.0	0.226126	Y
2	STD2 460-887783/6	2.0	0.424543	8.0	1189419.0	0.212272	Y
3	STD4 460-887783/5	4.0	0.809528	8.0	1172338.0	0.202382	Y
4	ICIS 460-887783/2	10.0	2.292022	8.0	954598.0	0.229202	Y
5	STD16 460-887783/4	16.0	3.418251	8.0	973251.0	0.213641	Y
6	STD24 460-887783/3	24.0	5.230768	8.0	1045032.0	0.217949	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

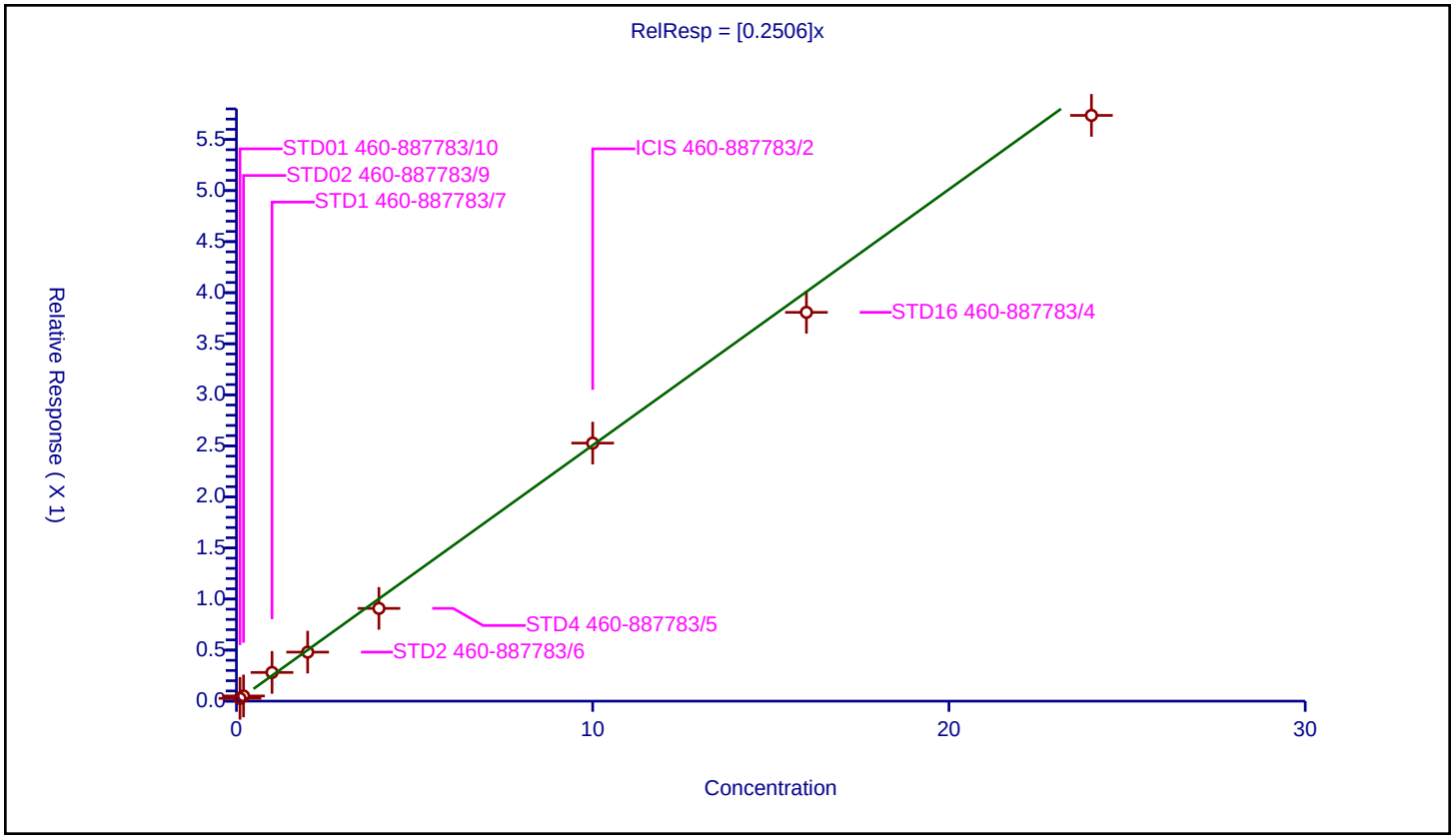
Curve Coefficients

Intercept:	0
Slope:	0.2506

Error Coefficients

Standard Error:	357000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.027302	8.0	1084176.0	0.273018	Y
2	STD02 460-887783/9	0.2	0.050772	8.0	1173239.0	0.253861	Y
3	STD1 460-887783/7	1.0	0.280998	8.0	1024208.0	0.280998	Y
4	STD2 460-887783/6	2.0	0.480066	8.0	1189419.0	0.240033	Y
5	STD4 460-887783/5	4.0	0.908475	8.0	1172338.0	0.227119	Y
6	ICIS 460-887783/2	10.0	2.526986	8.0	954598.0	0.252699	Y
7	STD16 460-887783/4	16.0	3.807519	8.0	973251.0	0.23797	Y
8	STD24 460-887783/3	24.0	5.73623	8.0	1045032.0	0.23901	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

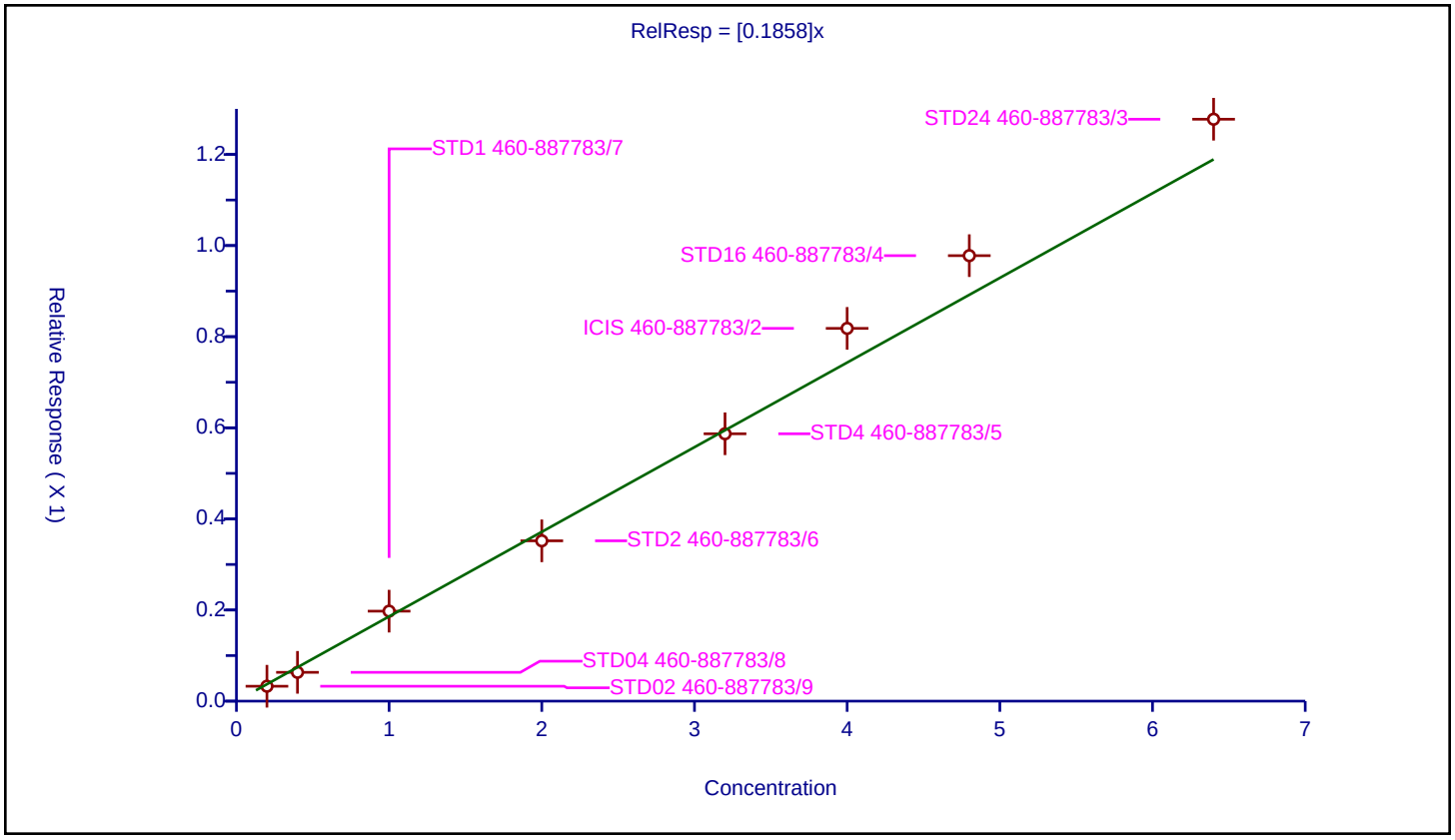
Curve Coefficients

Intercept:	0
Slope:	0.1858

Error Coefficients

Standard Error:	94400
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.032737	8.0	1173239.0	0.163684	Y
2	STD04 460-887783/8	0.4	0.063215	8.0	1205164.0	0.158037	Y
3	STD1 460-887783/7	1.0	0.197491	8.0	1024208.0	0.197491	Y
4	STD2 460-887783/6	2.0	0.351903	8.0	1189419.0	0.175951	Y
5	STD4 460-887783/5	3.2	0.586861	8.0	1172338.0	0.183394	Y
6	ICIS 460-887783/2	4.0	0.818204	8.0	954598.0	0.204551	Y
7	STD16 460-887783/4	4.8	0.977861	8.0	973251.0	0.203721	Y
8	STD24 460-887783/3	6.4	1.277304	8.0	1045032.0	0.199579	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

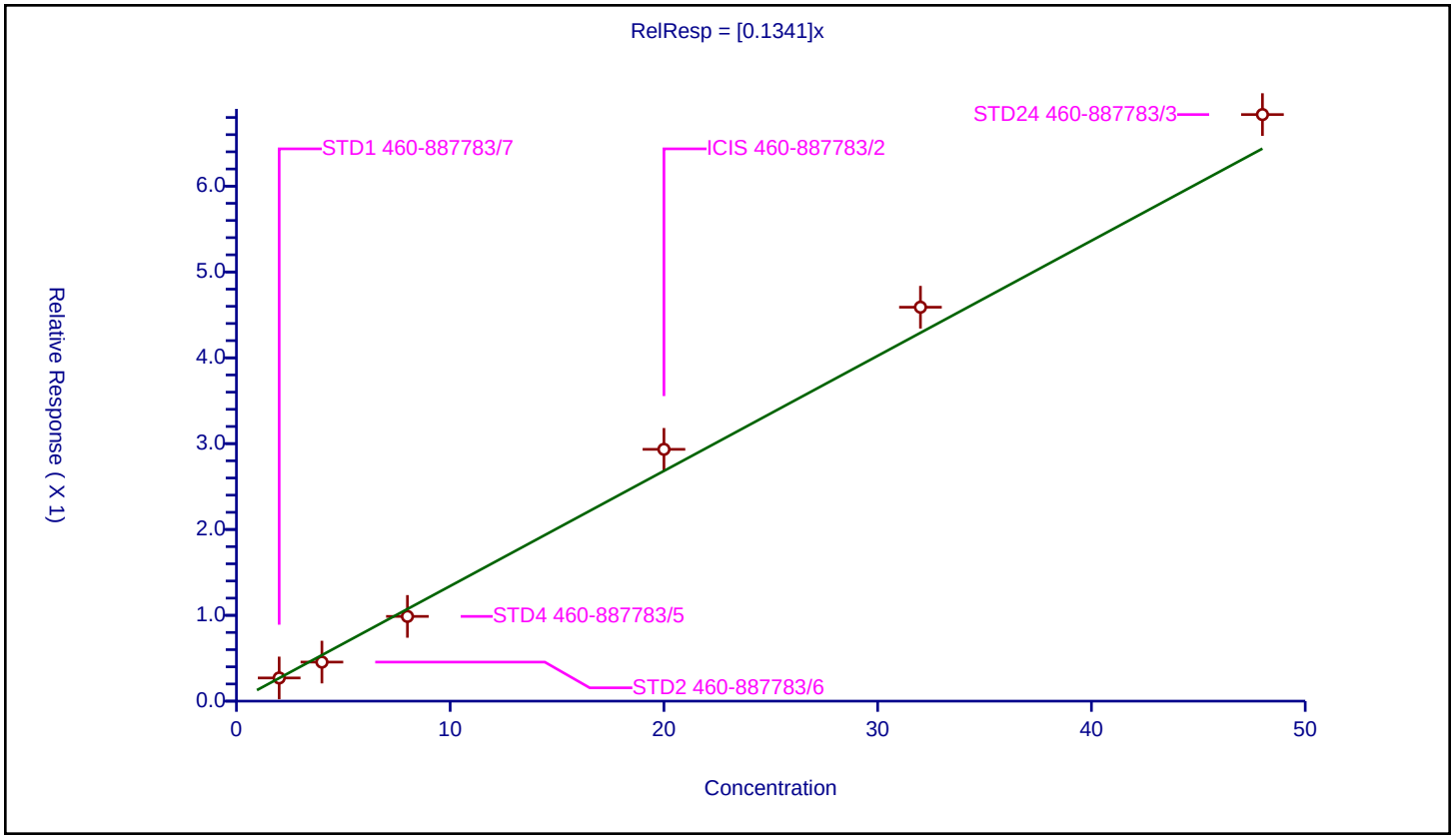
Curve Coefficients

Intercept:	0
Slope:	0.1341

Error Coefficients

Standard Error:	502000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	2.0	0.270047	8.0	1024208.0	0.135023	Y
2	STD2 460-887783/6	4.0	0.454918	8.0	1189419.0	0.113729	Y
3	STD4 460-887783/5	8.0	0.987326	8.0	1172338.0	0.123416	Y
4	ICIS 460-887783/2	20.0	2.933775	8.0	954598.0	0.146689	Y
5	STD16 460-887783/4	32.0	4.589566	8.0	973251.0	0.143424	Y
6	STD24 460-887783/3	48.0	6.833873	8.0	1045032.0	0.142372	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

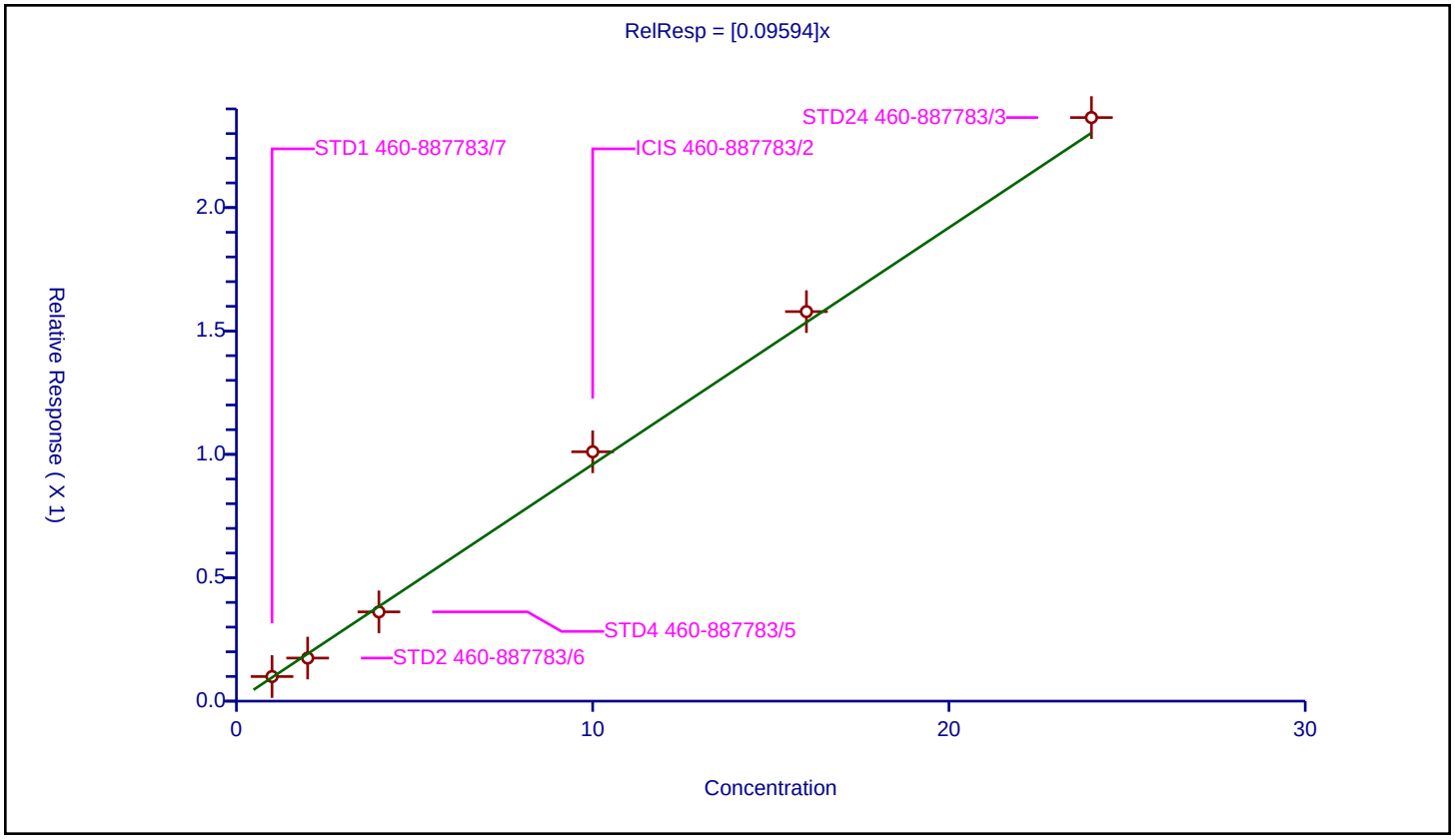
Curve Coefficients

Intercept:	0
Slope:	0.09594

Error Coefficients

Standard Error:	173000
Relative Standard Error:	5.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.099683	8.0	1024208.0	0.099683	Y
2	STD2 460-887783/6	2.0	0.1746	8.0	1189419.0	0.0873	Y
3	STD4 460-887783/5	4.0	0.361698	8.0	1172338.0	0.090424	Y
4	ICIS 460-887783/2	10.0	1.010545	8.0	954598.0	0.101054	Y
5	STD16 460-887783/4	16.0	1.578586	8.0	973251.0	0.098662	Y
6	STD24 460-887783/3	24.0	2.364904	8.0	1045032.0	0.098538	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

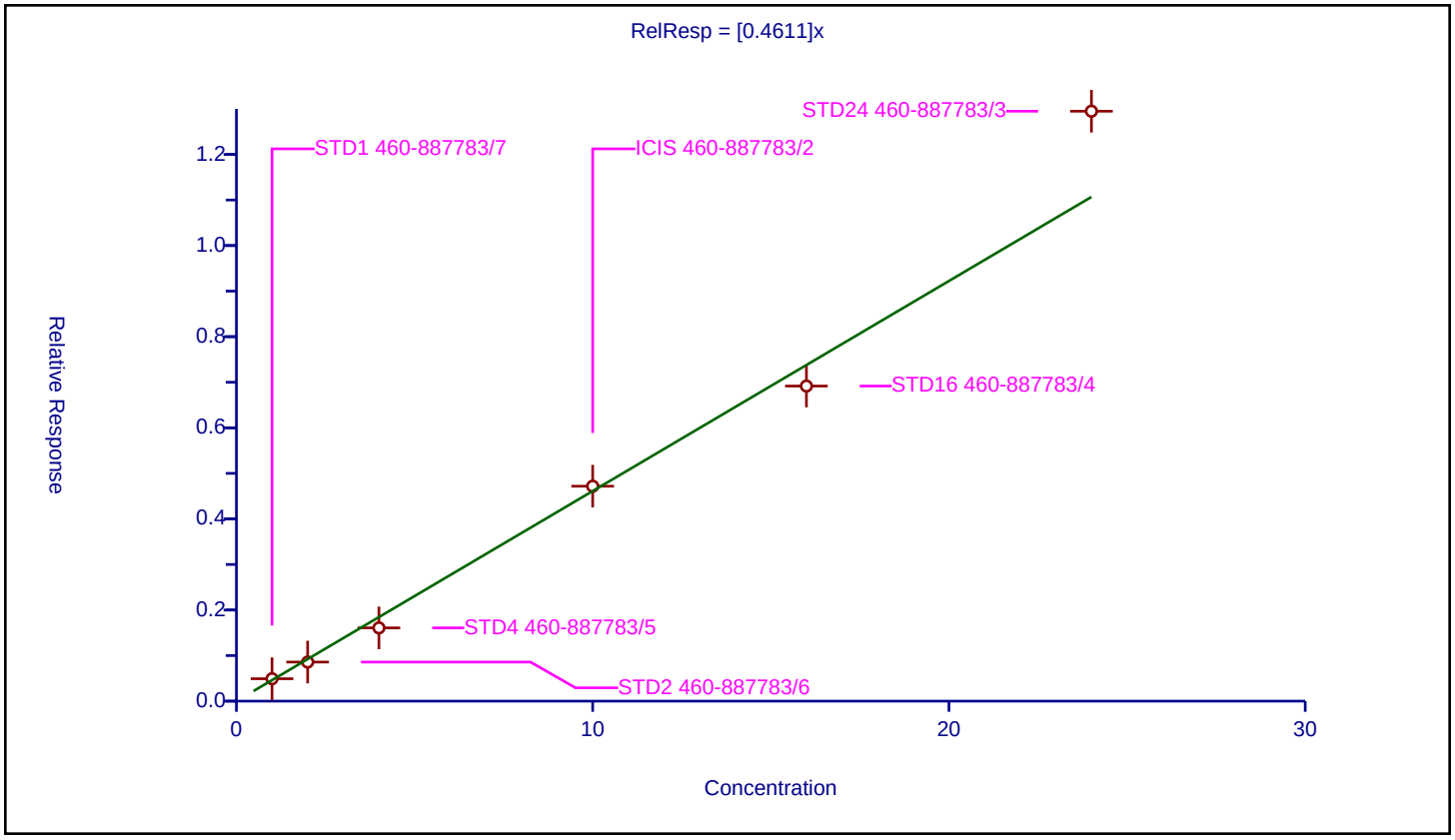
Curve Coefficients

Intercept:	0
Slope:	0.4611

Error Coefficients

Standard Error:	890000
Relative Standard Error:	10.9
Correlation Coefficient:	0.969
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.492088	8.0	1024208.0	0.492088	Y
2	STD2 460-887783/6	2.0	0.858133	8.0	1189419.0	0.429067	Y
3	STD4 460-887783/5	4.0	1.607959	8.0	1172338.0	0.40199	Y
4	ICIS 460-887783/2	10.0	4.718191	8.0	954598.0	0.471819	Y
5	STD16 460-887783/4	16.0	6.916218	8.0	973251.0	0.432264	Y
6	STD24 460-887783/3	24.0	12.949169	8.0	1045032.0	0.539549	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

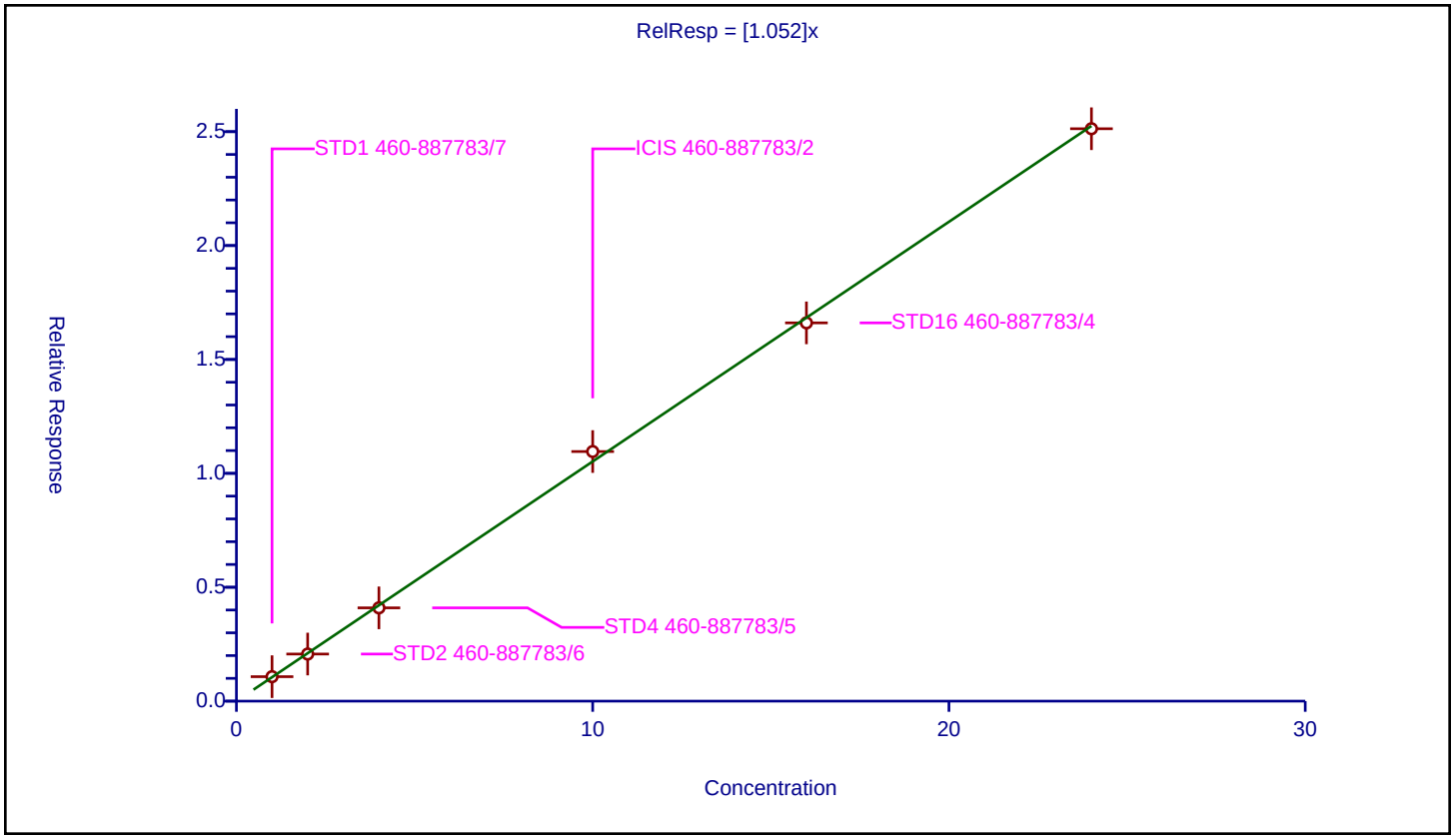
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Standard Error:	1850000
Relative Standard Error:	2.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.074524	8.0	1024208.0	1.074524	Y
2	STD2 460-887783/6	2.0	2.067638	8.0	1189419.0	1.033819	Y
3	STD4 460-887783/5	4.0	4.095645	8.0	1172338.0	1.023911	Y
4	ICIS 460-887783/2	10.0	10.957618	8.0	954598.0	1.095762	Y
5	STD16 460-887783/4	16.0	16.605895	8.0	973251.0	1.037868	Y
6	STD24 460-887783/3	24.0	25.128371	8.0	1045032.0	1.047015	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

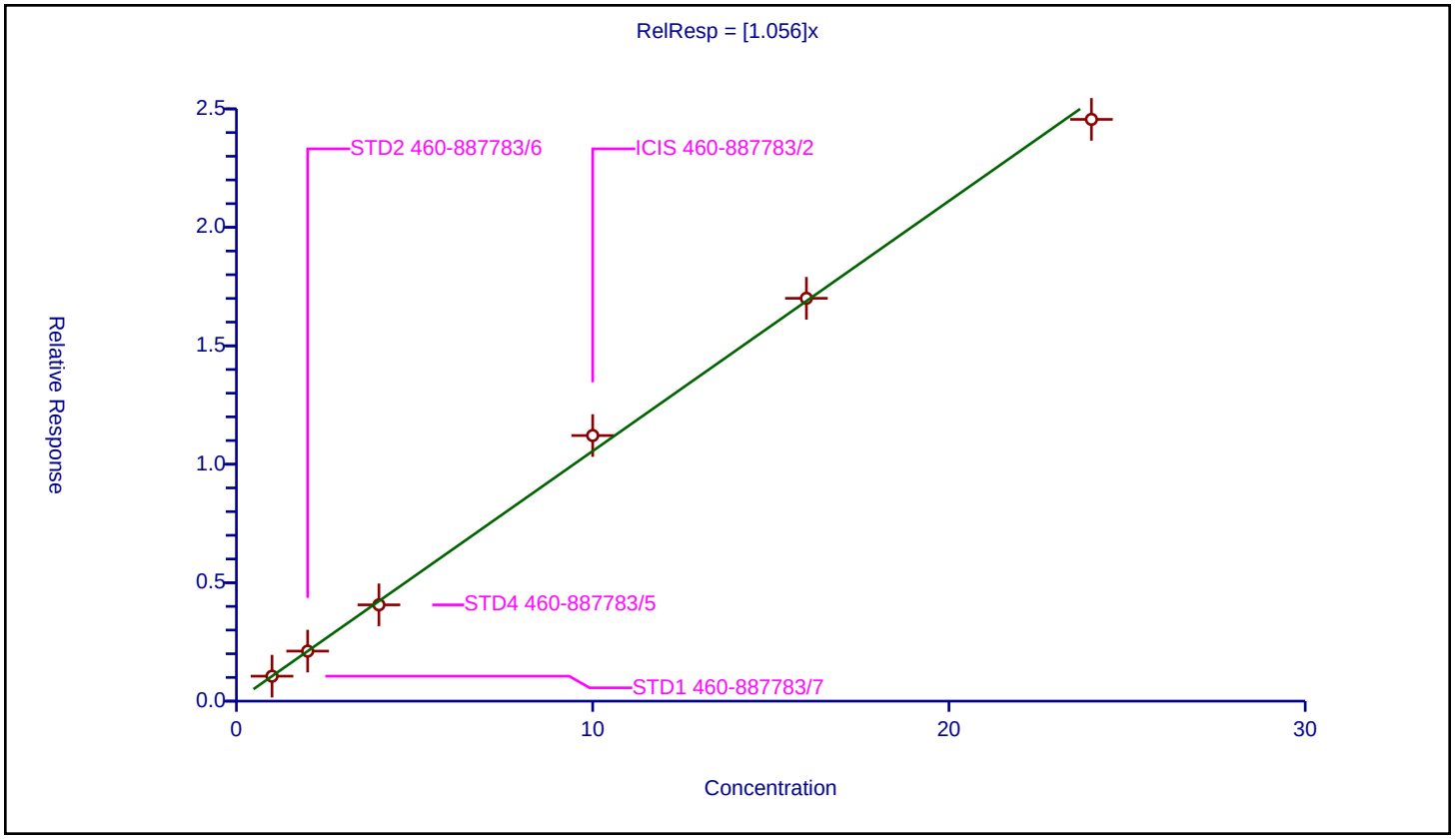
Curve Coefficients

Intercept:	0
Slope:	1.056

Error Coefficients

Standard Error:	1830000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.054364	8.0	1024208.0	1.054364	Y
2	STD2 460-887783/6	2.0	2.111424	8.0	1189419.0	1.055712	Y
3	STD4 460-887783/5	4.0	4.065012	8.0	1172338.0	1.016253	Y
4	ICIS 460-887783/2	10.0	11.212041	8.0	954598.0	1.121204	Y
5	STD16 460-887783/4	16.0	17.005307	8.0	973251.0	1.062832	Y
6	STD24 460-887783/3	24.0	24.556714	8.0	1045032.0	1.023196	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

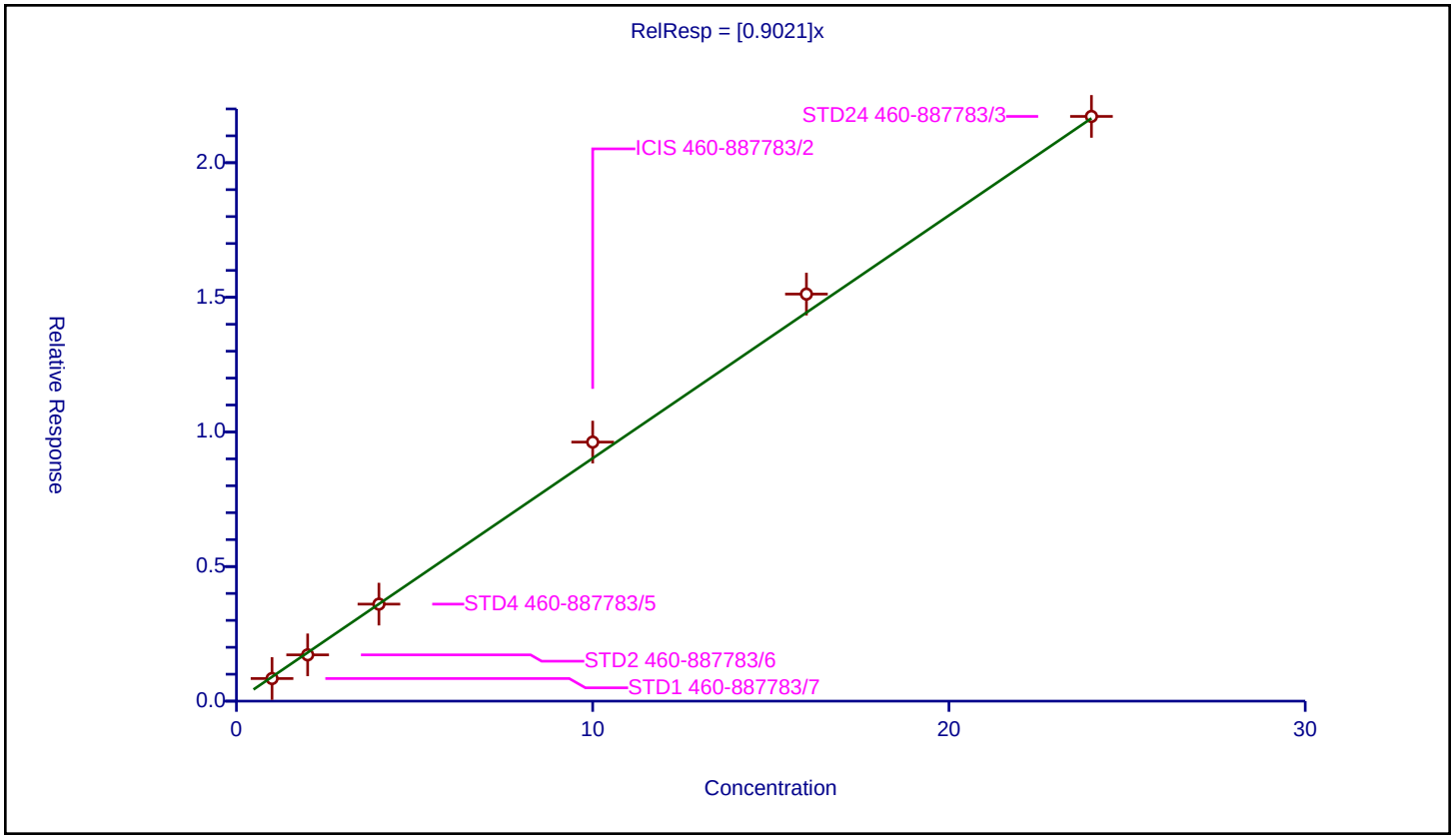
Curve Coefficients

Intercept:	0
Slope:	0.9021

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.839775	8.0	1024208.0	0.839775	Y
2	STD2 460-887783/6	2.0	1.719428	8.0	1189419.0	0.859714	Y
3	STD4 460-887783/5	4.0	3.604155	8.0	1172338.0	0.901039	Y
4	ICIS 460-887783/2	10.0	9.623016	8.0	954598.0	0.962302	Y
5	STD16 460-887783/4	16.0	15.120778	8.0	973251.0	0.945049	Y
6	STD24 460-887783/3	24.0	21.720514	8.0	1045032.0	0.905021	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

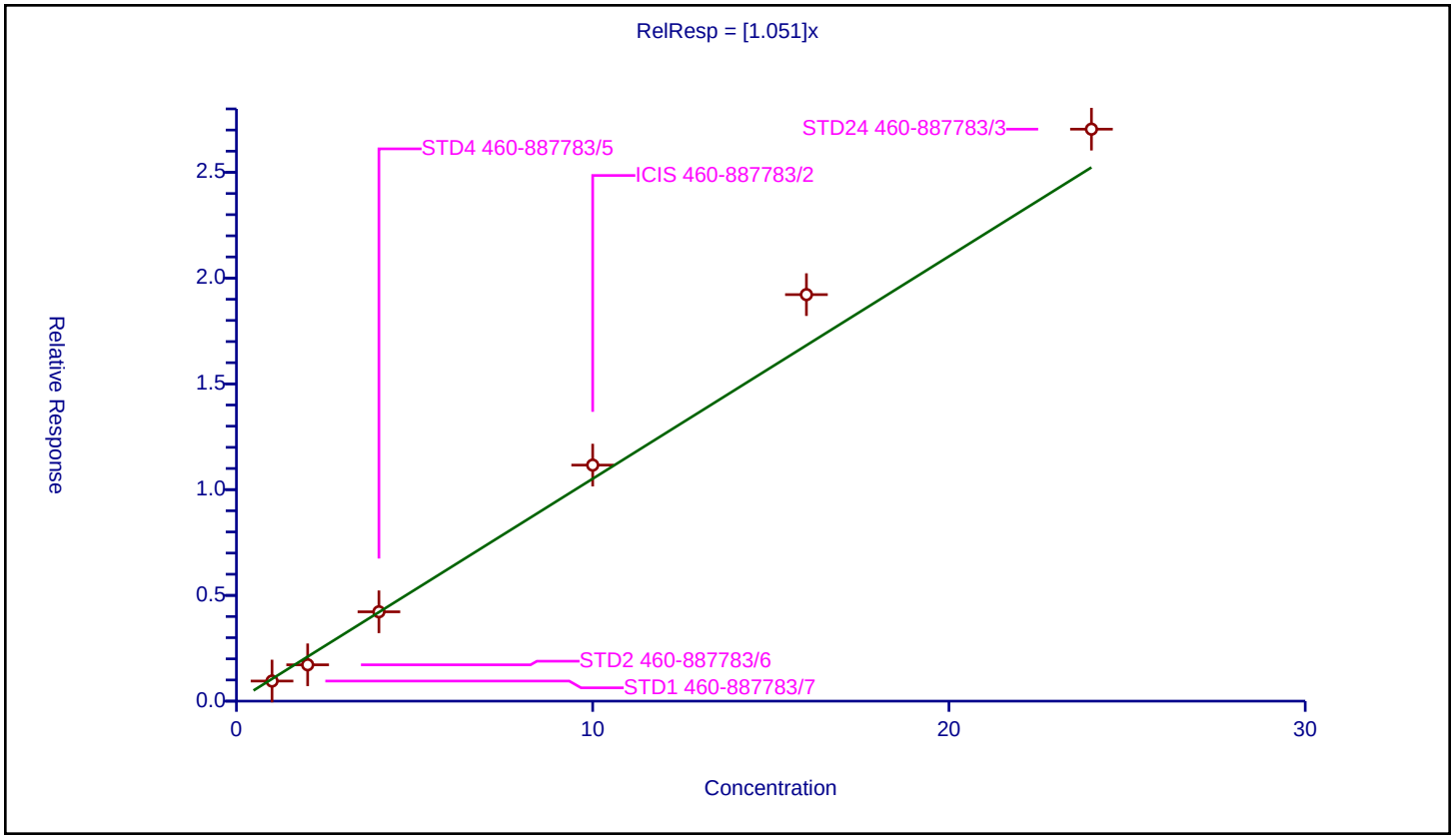
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	2010000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.949635	8.0	1024208.0	0.949635	Y
2	STD2 460-887783/6	2.0	1.71817	8.0	1189419.0	0.859085	Y
3	STD4 460-887783/5	4.0	4.224099	8.0	1172338.0	1.056025	Y
4	ICIS 460-887783/2	10.0	11.159764	8.0	954598.0	1.115976	Y
5	STD16 460-887783/4	16.0	19.219815	8.0	973251.0	1.201238	Y
6	STD24 460-887783/3	24.0	27.041216	8.0	1045032.0	1.126717	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

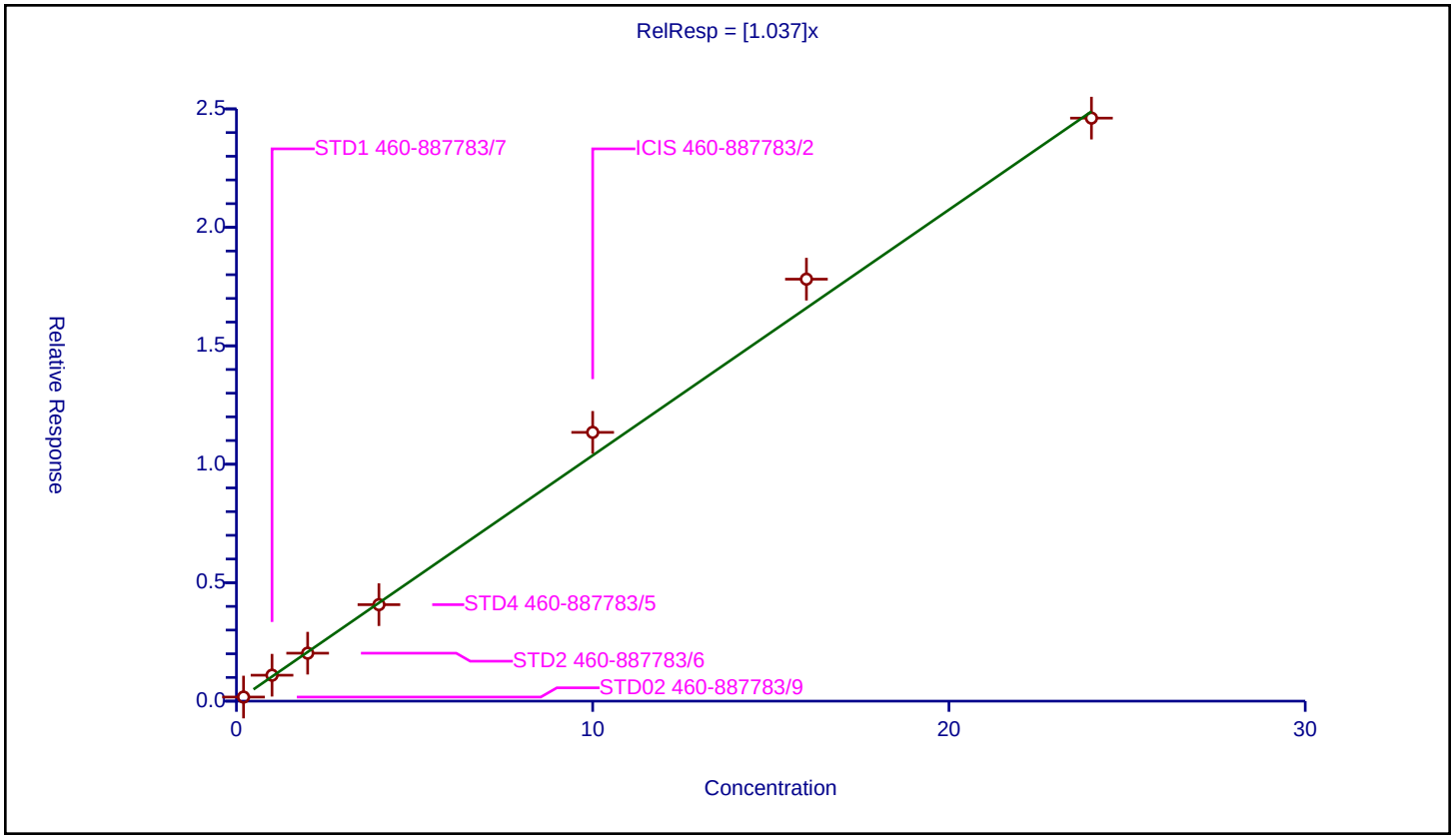
Curve Coefficients

Intercept:	0
Slope:	1.037

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.172377	8.0	1173239.0	0.861887	Y
2	STD1 460-887783/7	1.0	1.094465	8.0	1024208.0	1.094465	Y
3	STD2 460-887783/6	2.0	2.02406	8.0	1189419.0	1.01203	Y
4	STD4 460-887783/5	4.0	4.072368	8.0	1172338.0	1.018092	Y
5	ICIS 460-887783/2	10.0	11.345878	8.0	954598.0	1.134588	Y
6	STD16 460-887783/4	16.0	17.812679	8.0	973251.0	1.113292	Y
7	STD24 460-887783/3	24.0	24.611135	8.0	1045032.0	1.025464	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

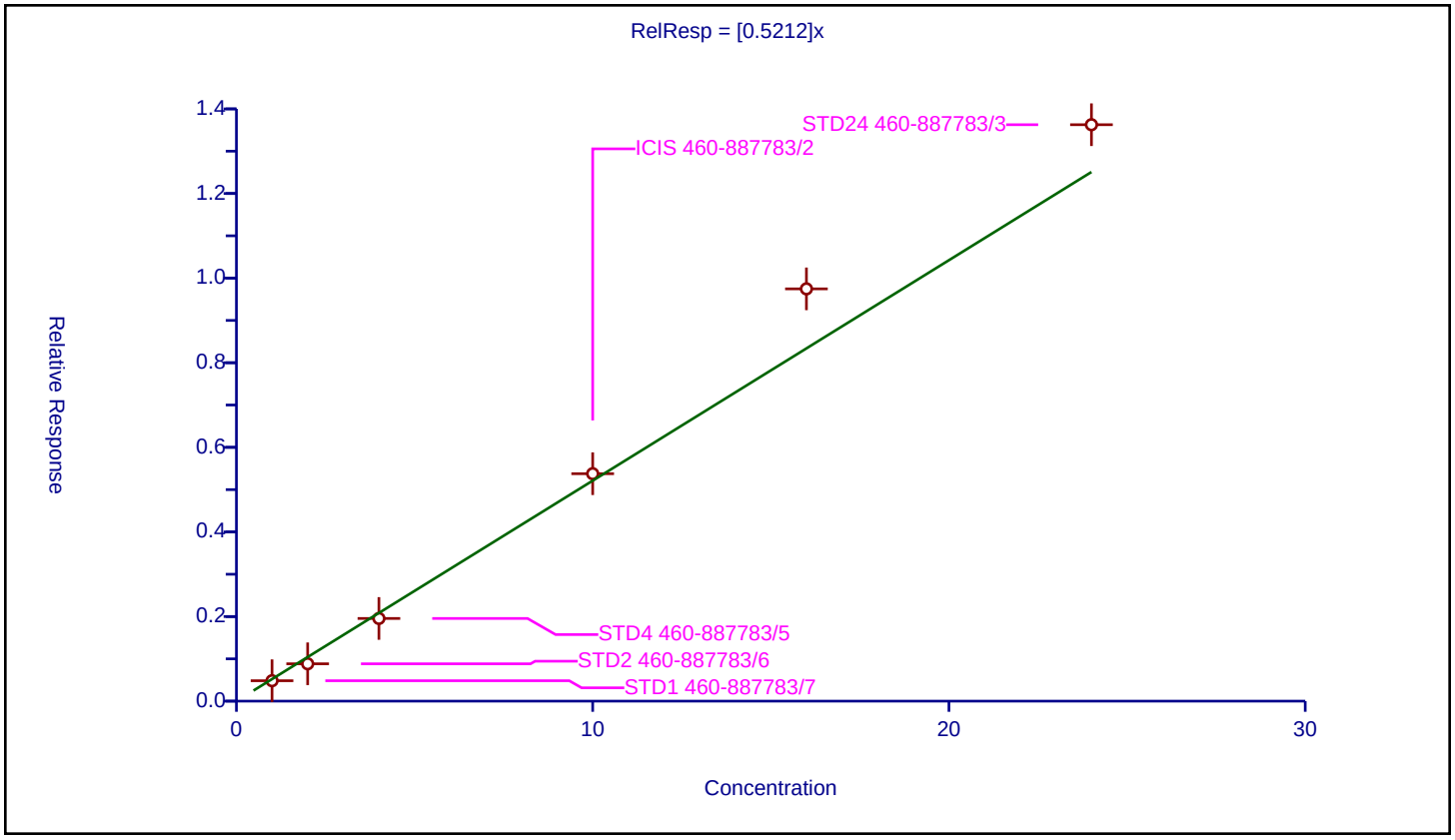
Curve Coefficients

Intercept:	0
Slope:	0.5212

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	11.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.482293	8.0	1024208.0	0.482293	Y
2	STD2 460-887783/6	2.0	0.88306	8.0	1189419.0	0.44153	Y
3	STD4 460-887783/5	4.0	1.954767	8.0	1172338.0	0.488692	Y
4	ICIS 460-887783/2	10.0	5.376144	8.0	954598.0	0.537614	Y
5	STD16 460-887783/4	16.0	9.745605	8.0	973251.0	0.6091	Y
6	STD24 460-887783/3	24.0	13.625987	8.0	1045032.0	0.567749	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

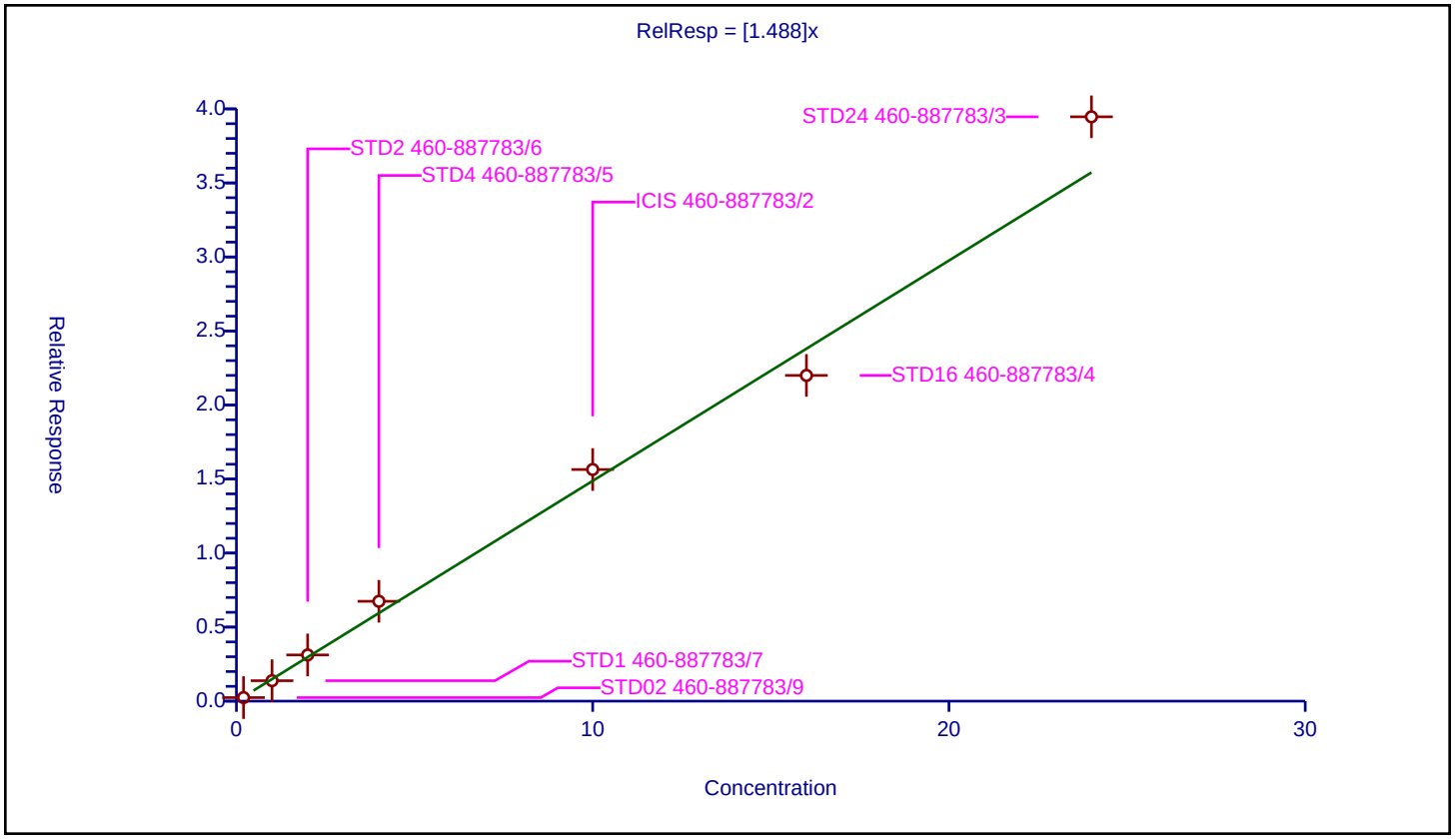
Curve Coefficients

Intercept:	0
Slope:	1.488

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.2408	8.0	867443.0	1.203998	Y
2	STD1 460-887783/7	1.0	1.380692	8.0	835384.0	1.380692	Y
3	STD2 460-887783/6	2.0	3.120584	8.0	761724.0	1.560292	Y
4	STD4 460-887783/5	4.0	6.743053	8.0	704647.0	1.685763	Y
5	ICIS 460-887783/2	10.0	15.643003	8.0	710102.0	1.5643	Y
6	STD16 460-887783/4	16.0	21.999363	8.0	815932.0	1.37496	Y
7	STD24 460-887783/3	24.0	39.46483	8.0	655164.0	1.644368	Y



Calibration / Bisphenol-A

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

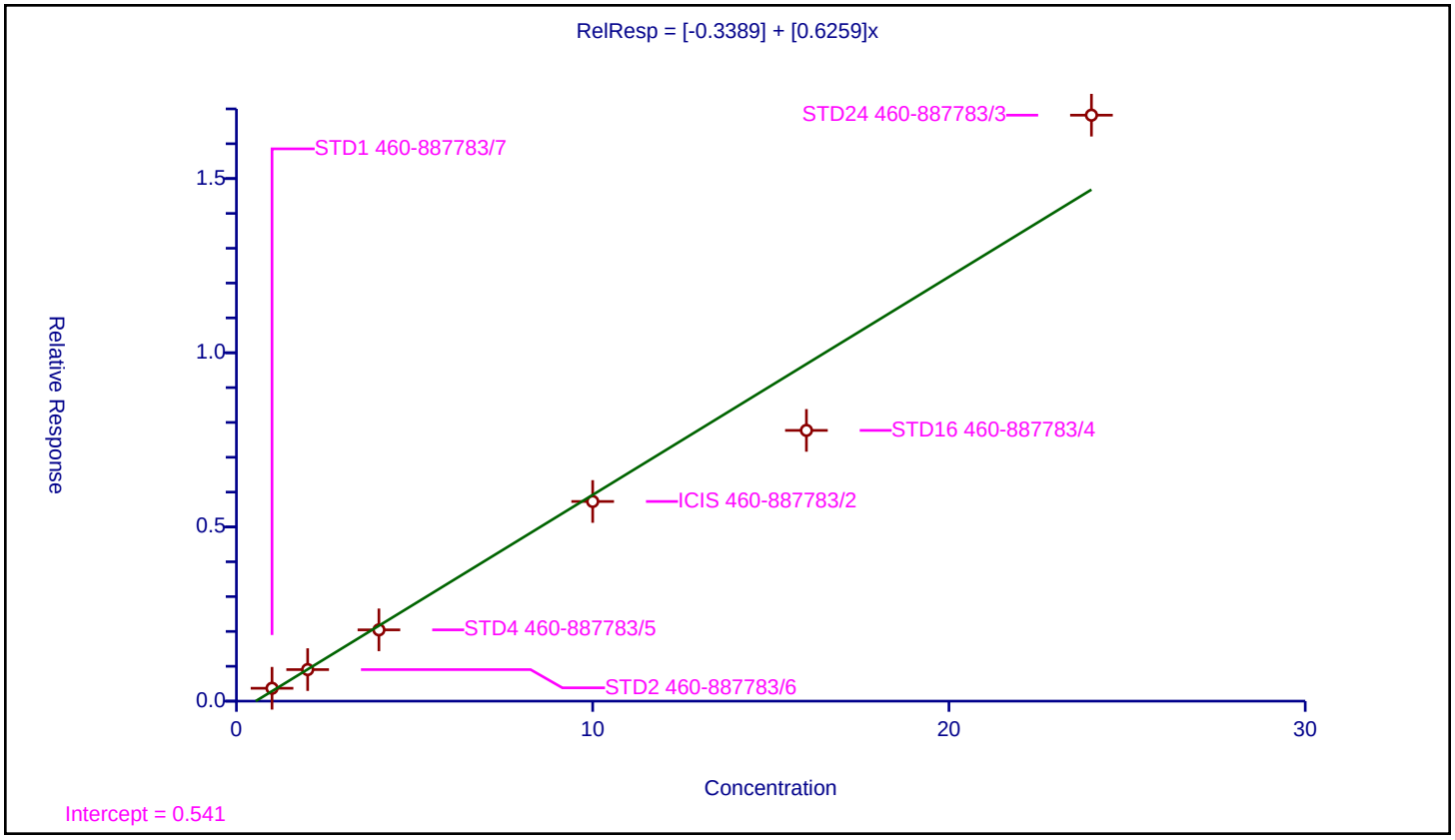
Curve Coefficients

Intercept:	-0.3389
Slope:	0.6259

Error Coefficients

Standard Error:	841000
Relative Standard Error:	13.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.369401	8.0	835384.0	0.369401	Y
2	STD2 460-887783/6	2.0	0.90521	8.0	761724.0	0.452605	Y
3	STD4 460-887783/5	4.0	2.045904	8.0	704647.0	0.511476	Y
4	ICIS 460-887783/2	10.0	5.731379	8.0	710102.0	0.573138	Y
5	STD16 460-887783/4	16.0	7.771726	8.0	815932.0	0.485733	Y
6	STD24 460-887783/3	24.0	16.819789	8.0	655164.0	0.700825	Y



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Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

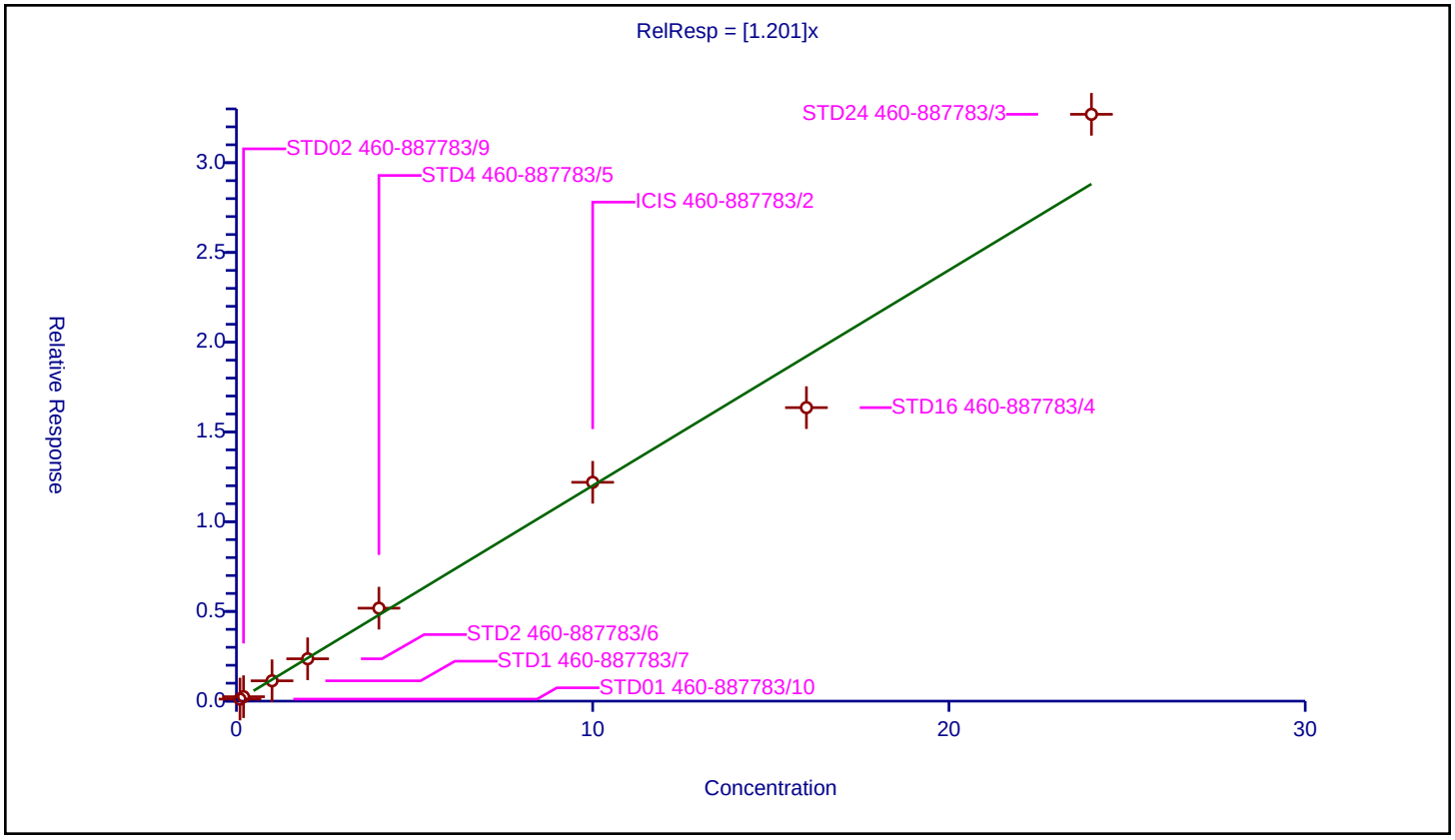
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	8.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.115537	8.0	786173.0	1.155369	Y
2	STD02 460-887783/9	0.2	0.247523	8.0	867443.0	1.237614	Y
3	STD1 460-887783/7	1.0	1.133294	8.0	835384.0	1.133294	Y
4	STD2 460-887783/6	2.0	2.360803	8.0	761724.0	1.180401	Y
5	STD4 460-887783/5	4.0	5.17966	8.0	704647.0	1.294915	Y
6	ICIS 460-887783/2	10.0	12.194124	8.0	710102.0	1.219412	Y
7	STD16 460-887783/4	16.0	16.355177	8.0	815932.0	1.022199	Y
8	STD24 460-887783/3	24.0	32.698073	8.0	655164.0	1.36242	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

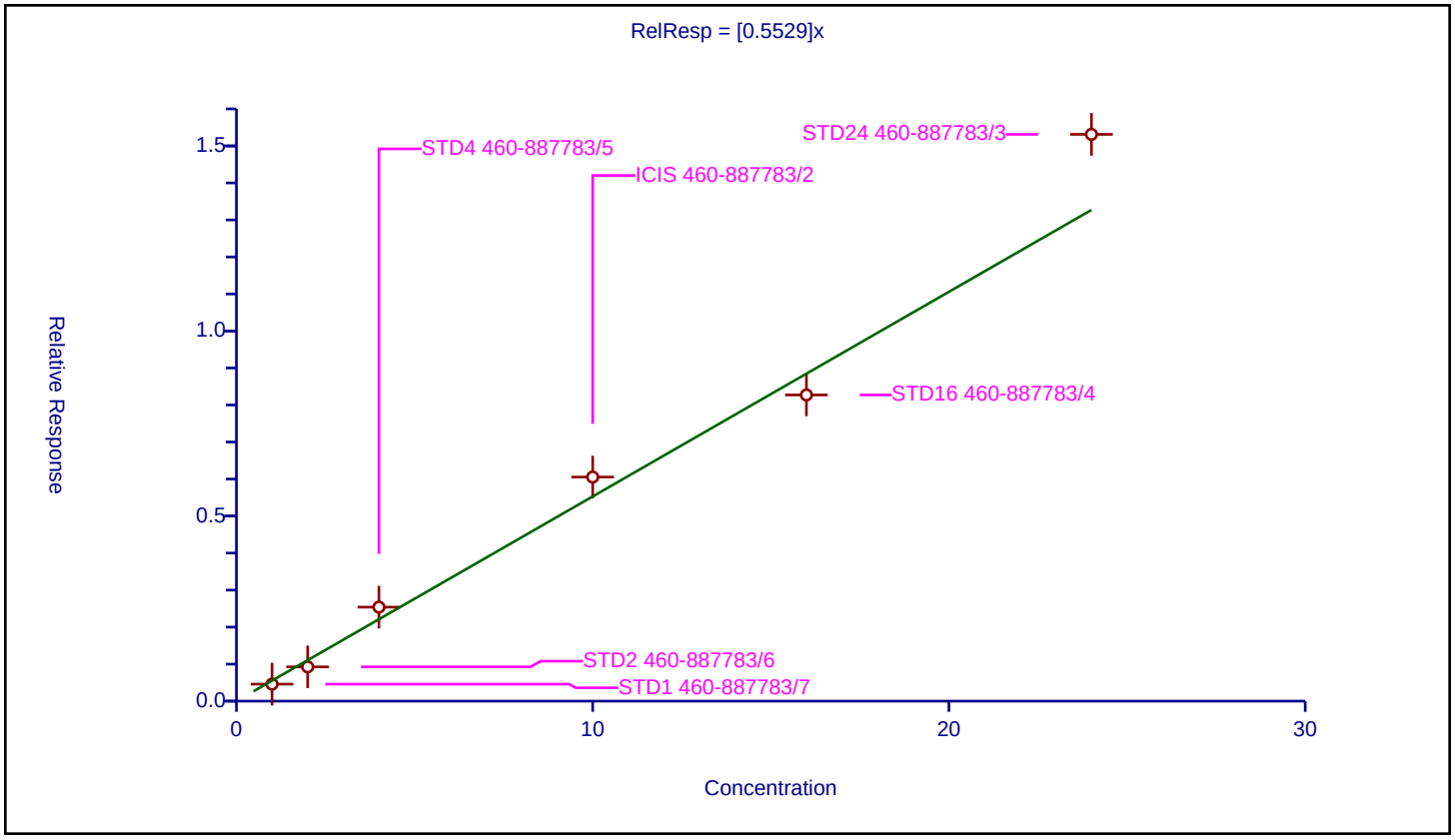
Curve Coefficients

Intercept:	0
Slope:	0.5529

Error Coefficients

Standard Error:	726000
Relative Standard Error:	15.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.459458	8.0	835384.0	0.459458	Y
2	STD2 460-887783/6	2.0	0.925595	8.0	761724.0	0.462798	Y
3	STD4 460-887783/5	4.0	2.539643	8.0	704647.0	0.634911	Y
4	ICIS 460-887783/2	10.0	6.053575	8.0	710102.0	0.605358	Y
5	STD16 460-887783/4	16.0	8.272052	8.0	815932.0	0.517003	Y
6	STD24 460-887783/3	24.0	15.311965	8.0	655164.0	0.637999	Y



Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

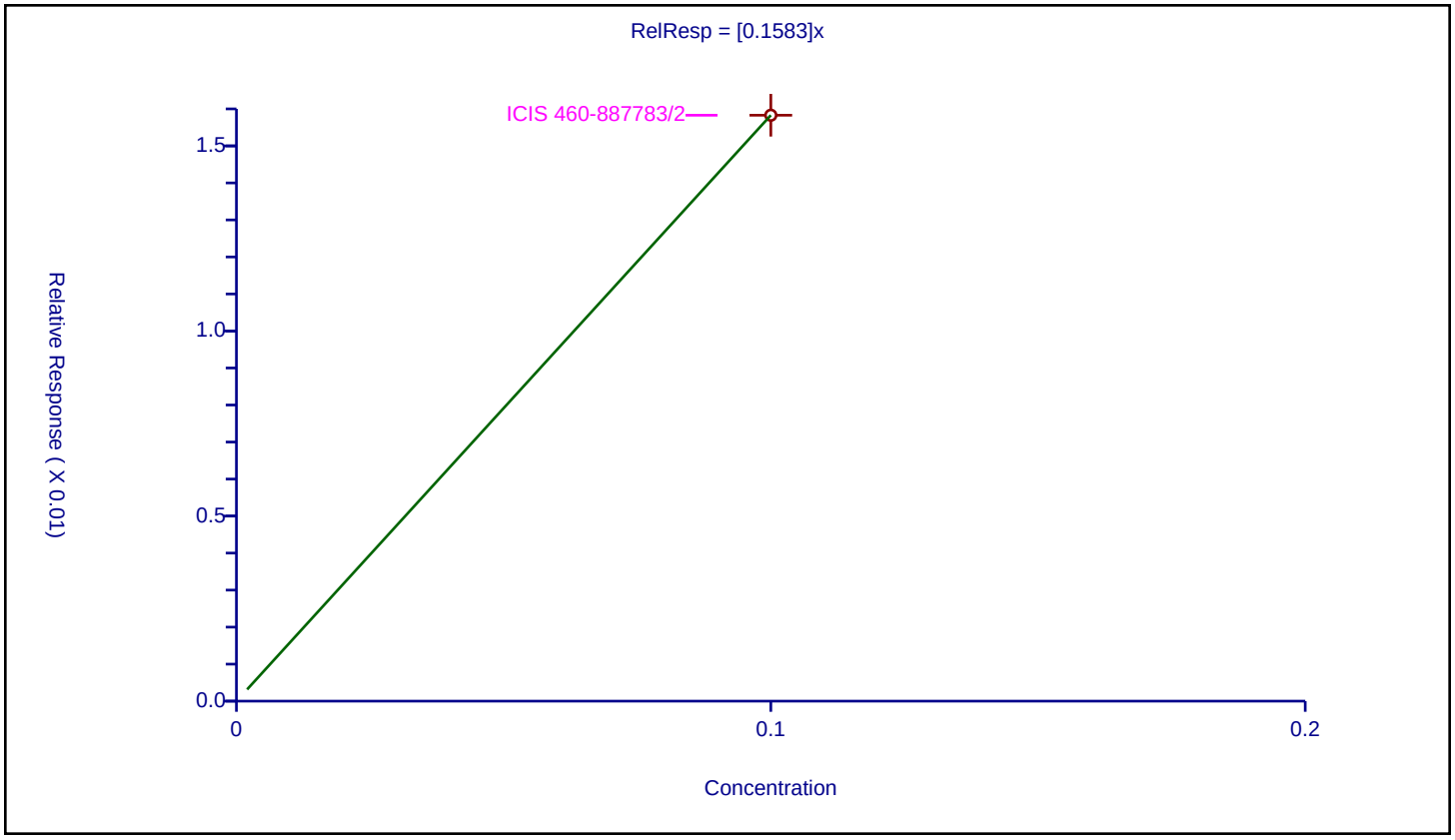
Curve Coefficients

Intercept:	0
Slope:	0.1583

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-887783/2	0.1	0.015829	8.0	710102.0	0.158287	Y



Calibration / Carbamazepine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

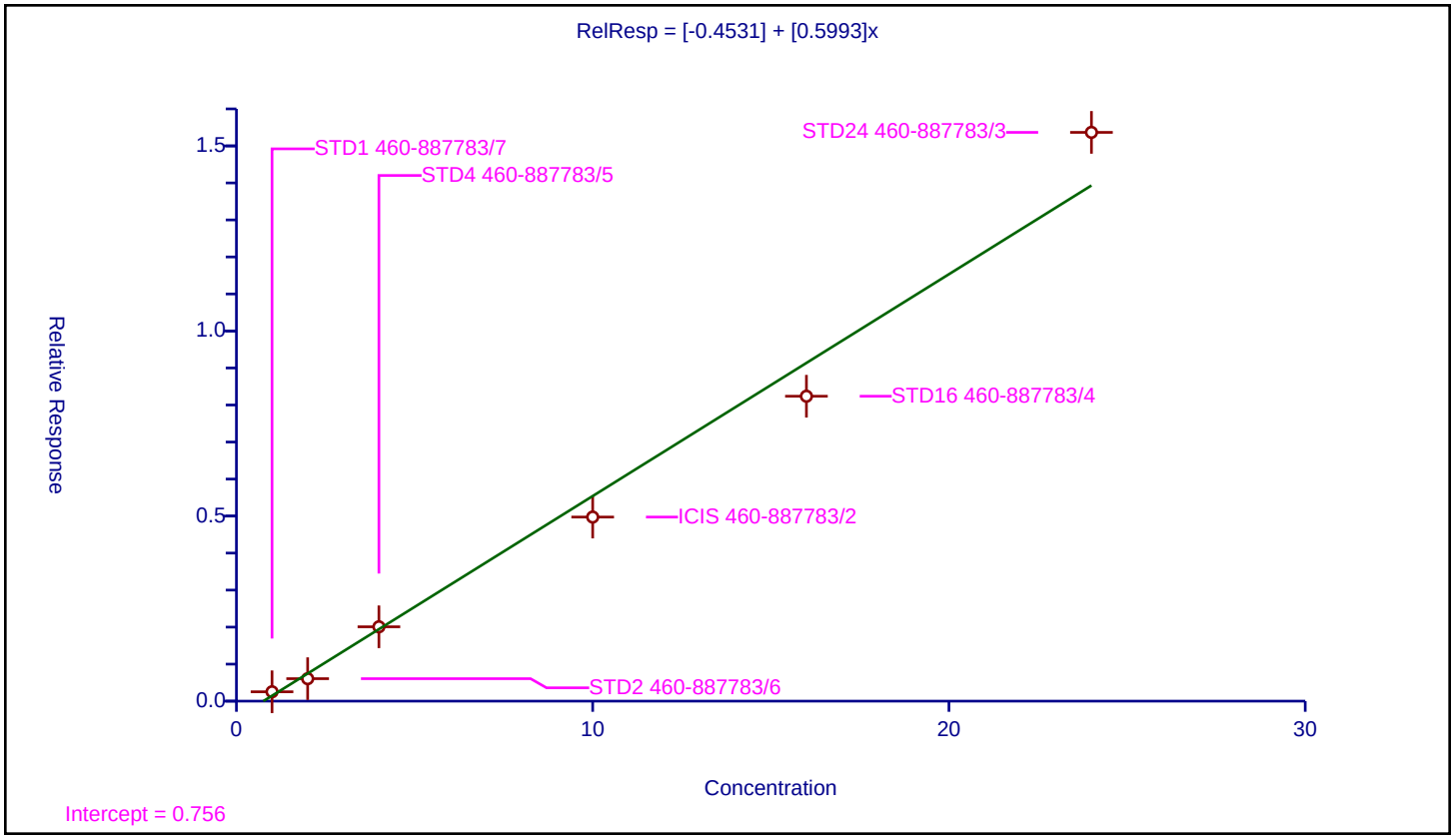
Curve Coefficients

Intercept:	-0.4531
Slope:	0.5993

Error Coefficients

Standard Error:	794000
Relative Standard Error:	13.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.252799	8.0	835384.0	0.252799	Y
2	STD2 460-887783/6	2.0	0.606781	8.0	761724.0	0.303391	Y
3	STD4 460-887783/5	4.0	2.008382	8.0	704647.0	0.502095	Y
4	ICIS 460-887783/2	10.0	4.973404	8.0	710102.0	0.49734	Y
5	STD16 460-887783/4	16.0	8.237343	8.0	815932.0	0.514834	Y
6	STD24 460-887783/3	24.0	15.365521	8.0	655164.0	0.64023	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

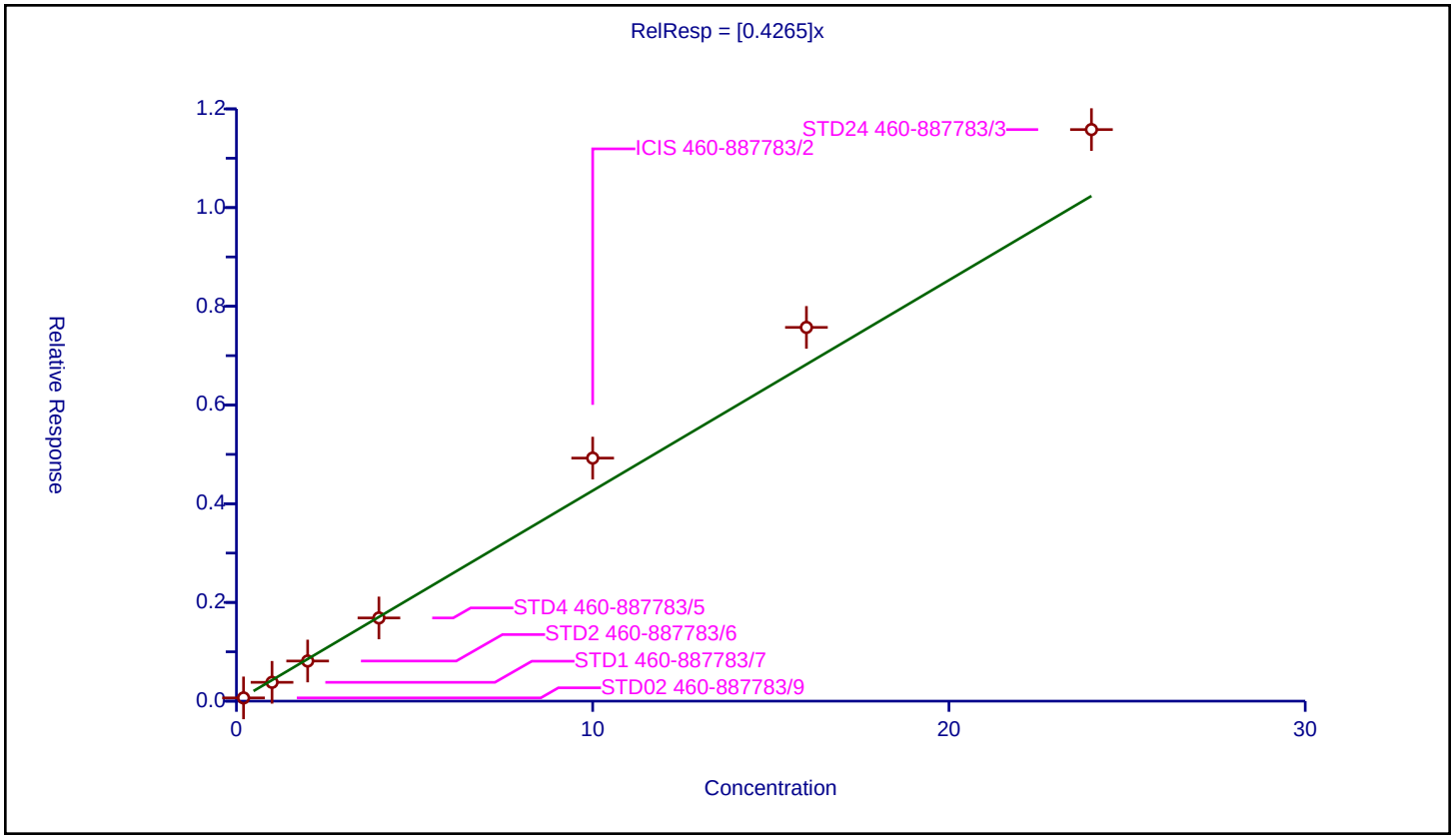
Curve Coefficients

Intercept:	0
Slope:	0.4265

Error Coefficients

Standard Error:	535000
Relative Standard Error:	14.2
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.065572	8.0	867443.0	0.32786	Y
2	STD1 460-887783/7	1.0	0.381209	8.0	835384.0	0.381209	Y
3	STD2 460-887783/6	2.0	0.812924	8.0	761724.0	0.406462	Y
4	STD4 460-887783/5	4.0	1.685814	8.0	704647.0	0.421454	Y
5	ICIS 460-887783/2	10.0	4.924859	8.0	710102.0	0.492486	Y
6	STD16 460-887783/4	16.0	7.572827	8.0	815932.0	0.473302	Y
7	STD24 460-887783/3	24.0	11.580551	8.0	655164.0	0.482523	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

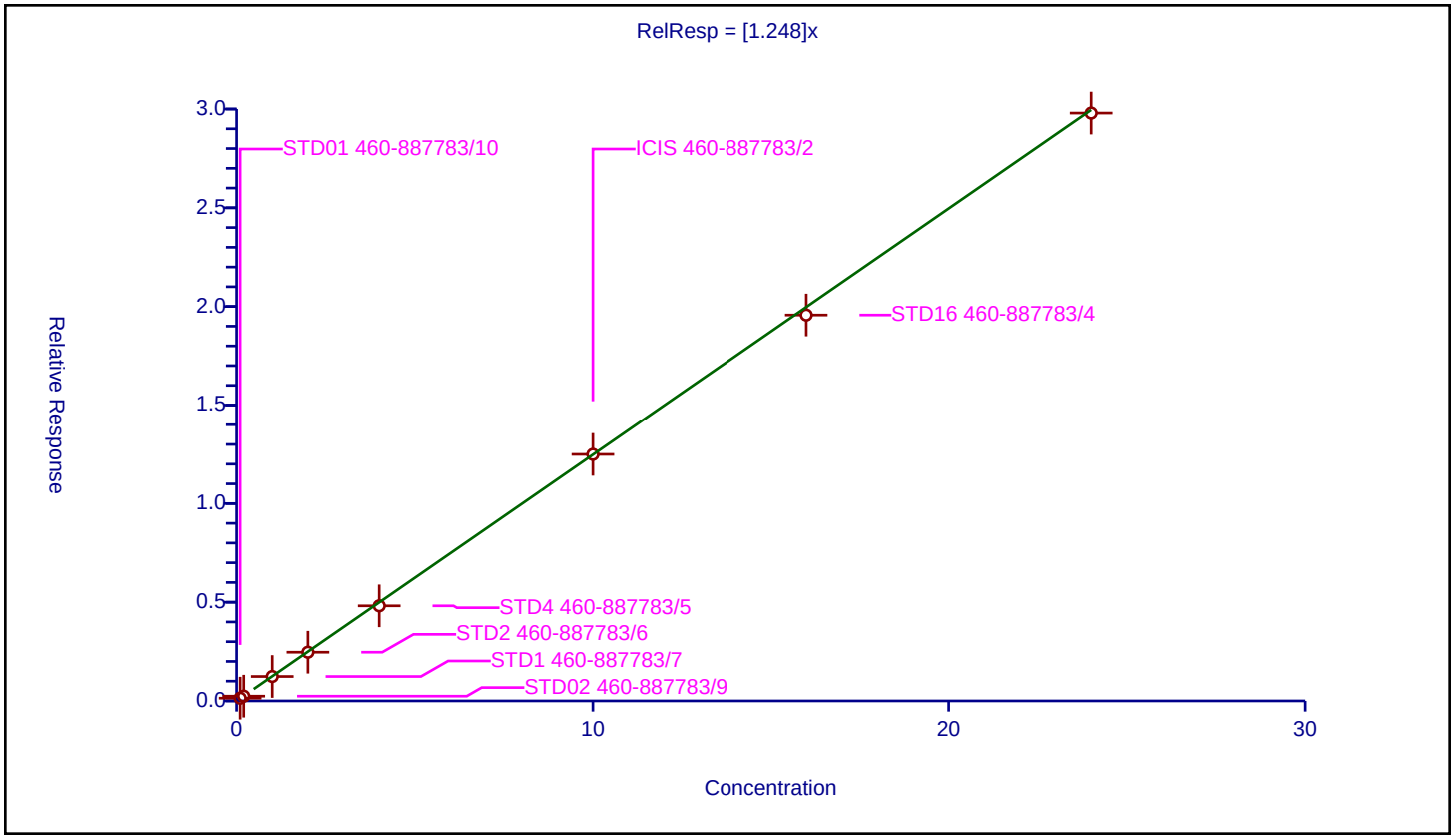
Curve Coefficients

Intercept:	0
Slope:	1.248

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	4.9
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.139277	8.0	786173.0	1.392772	Y
2	STD02 460-887783/9	0.2	0.240929	8.0	867443.0	1.204644	Y
3	STD1 460-887783/7	1.0	1.235848	8.0	835384.0	1.235848	Y
4	STD2 460-887783/6	2.0	2.466804	8.0	761724.0	1.233402	Y
5	STD4 460-887783/5	4.0	4.817459	8.0	704647.0	1.204365	Y
6	ICIS 460-887783/2	10.0	12.49603	8.0	710102.0	1.249603	Y
7	STD16 460-887783/4	16.0	19.566984	8.0	815932.0	1.222936	Y
8	STD24 460-887783/3	24.0	29.794458	8.0	655164.0	1.241436	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

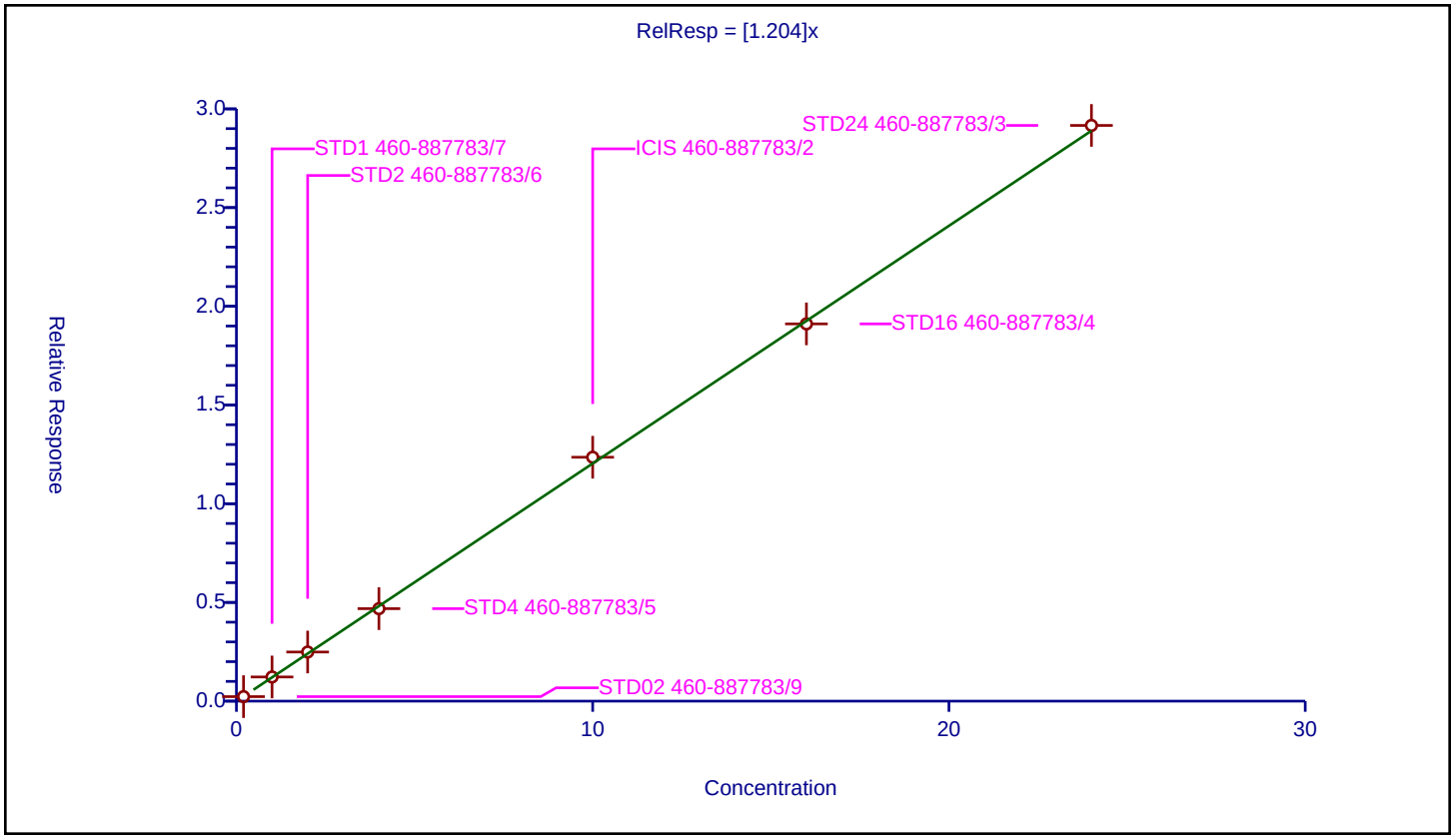
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	3.1
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.228386	8.0	867443.0	1.141931	Y
2	STD1 460-887783/7	1.0	1.224577	8.0	835384.0	1.224577	Y
3	STD2 460-887783/6	2.0	2.488502	8.0	761724.0	1.244251	Y
4	STD4 460-887783/5	4.0	4.684388	8.0	704647.0	1.171097	Y
5	ICIS 460-887783/2	10.0	12.354281	8.0	710102.0	1.235428	Y
6	STD16 460-887783/4	16.0	19.109857	8.0	815932.0	1.194366	Y
7	STD24 460-887783/3	24.0	29.162848	8.0	655164.0	1.215119	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

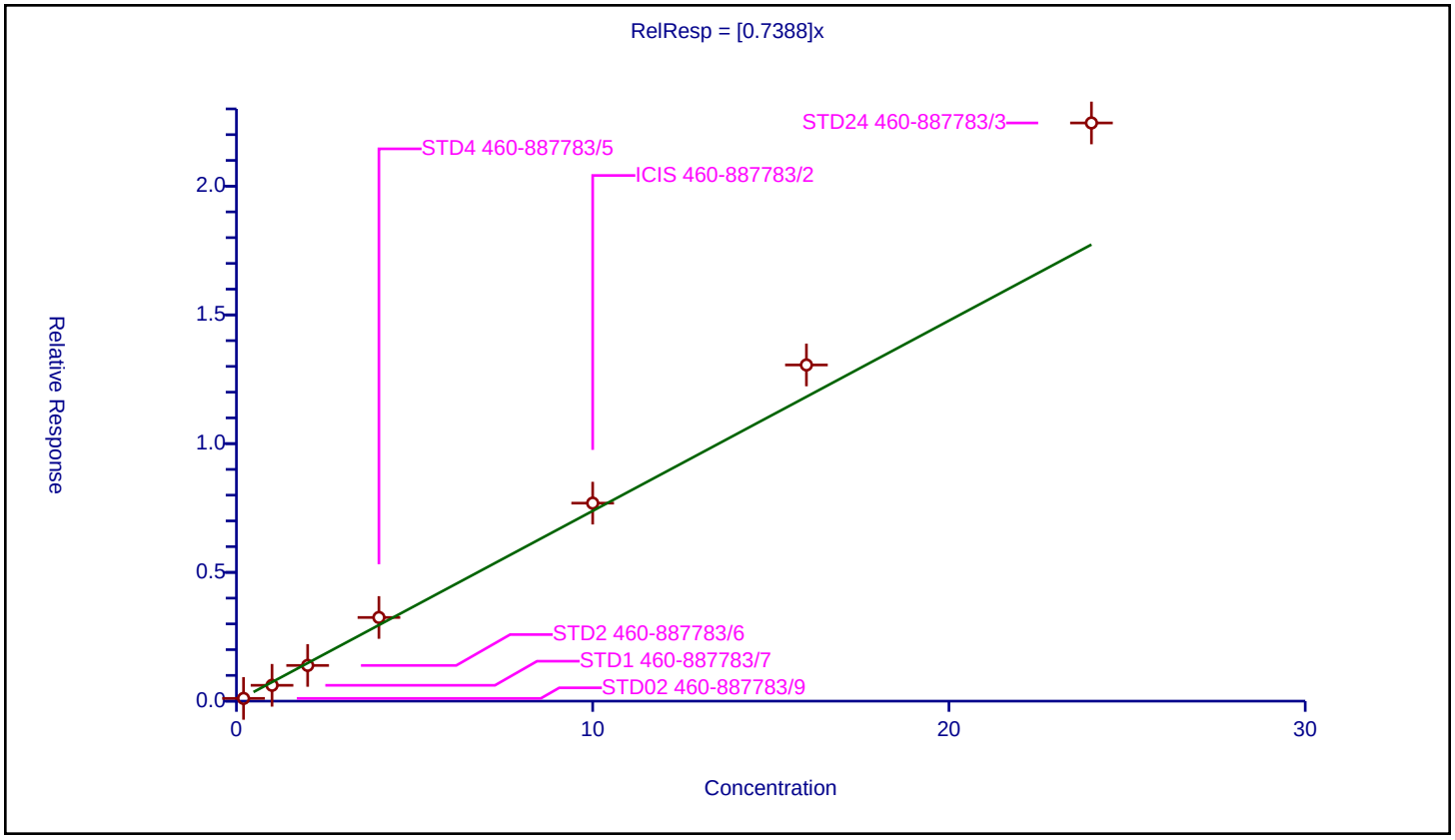
Curve Coefficients

Intercept:	0
Slope:	0.7388

Error Coefficients

Standard Error:	977000
Relative Standard Error:	18.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-887783/9	0.2	0.10605	8.0	867443.0	0.530248	Y
2	STD1 460-887783/7	1.0	0.614865	8.0	835384.0	0.614865	Y
3	STD2 460-887783/6	2.0	1.387033	8.0	761724.0	0.693516	Y
4	STD4 460-887783/5	4.0	3.249014	8.0	704647.0	0.812254	Y
5	ICIS 460-887783/2	10.0	7.689847	8.0	710102.0	0.768985	Y
6	STD16 460-887783/4	16.0	13.05551	8.0	815932.0	0.815969	Y
7	STD24 460-887783/3	24.0	22.453957	8.0	655164.0	0.935582	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

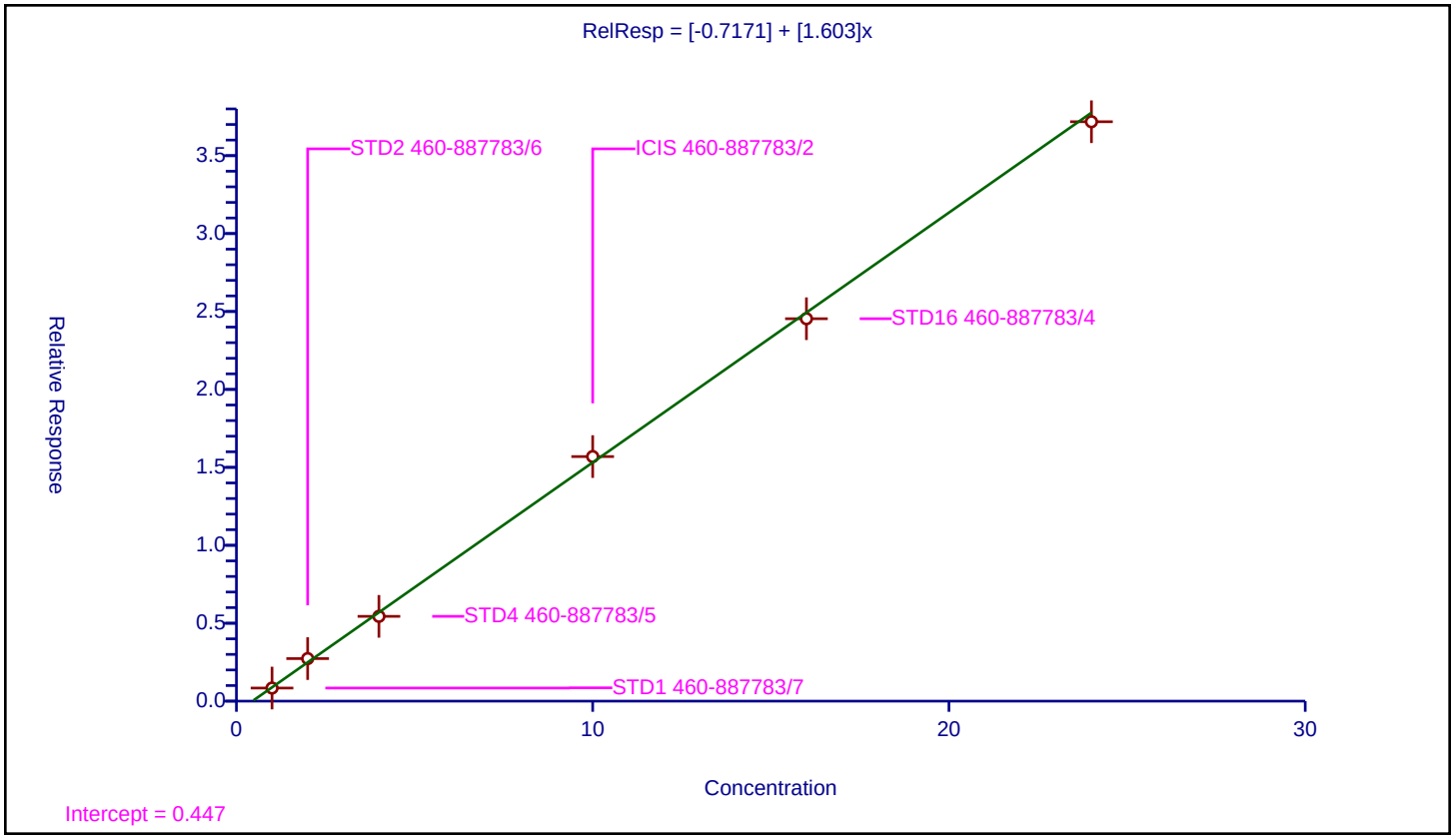
Curve Coefficients

Intercept:	-0.7171
Slope:	1.603

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	0.840606	8.0	785110.0	0.840606	Y
2	STD2 460-887783/6	2.0	2.729232	8.0	618149.0	1.364616	Y
3	STD4 460-887783/5	4.0	5.439909	8.0	615050.0	1.359977	Y
4	ICIS 460-887783/2	10.0	15.691465	8.0	559080.0	1.569146	Y
5	STD16 460-887783/4	16.0	24.537839	8.0	616036.0	1.533615	Y
6	STD24 460-887783/3	24.0	37.176886	8.0	610999.0	1.549037	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

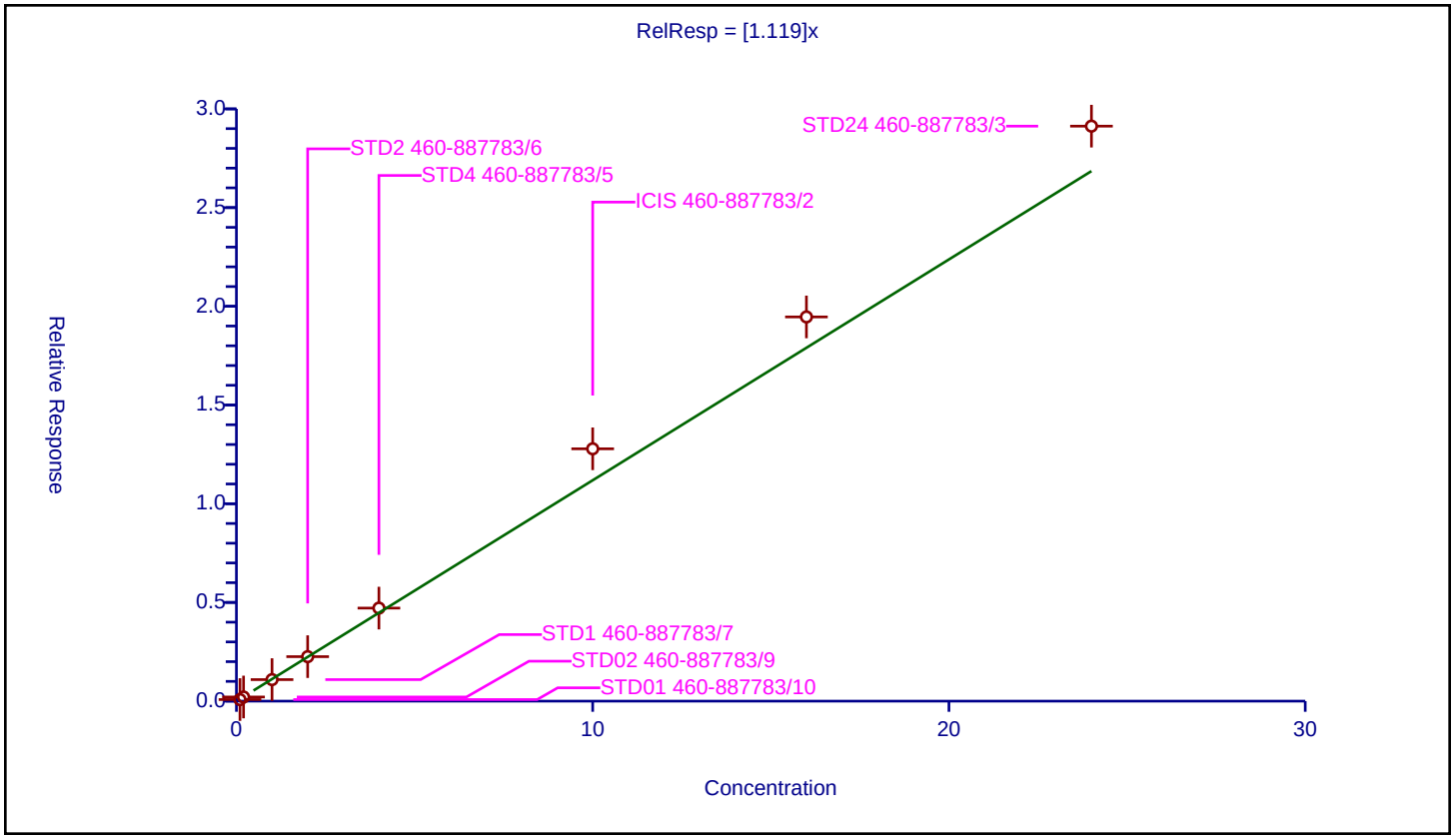
Curve Coefficients

Intercept:	0
Slope:	1.119

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	13.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.079927	8.0	771908.0	0.799266	Y
2	STD02 460-887783/9	0.2	0.20933	8.0	815438.0	1.046652	Y
3	STD1 460-887783/7	1.0	1.090476	8.0	785110.0	1.090476	Y
4	STD2 460-887783/6	2.0	2.253321	8.0	618149.0	1.12666	Y
5	STD4 460-887783/5	4.0	4.713139	8.0	615050.0	1.178285	Y
6	ICIS 460-887783/2	10.0	12.782142	8.0	559080.0	1.278214	Y
7	STD16 460-887783/4	16.0	19.462005	8.0	616036.0	1.216375	Y
8	STD24 460-887783/3	24.0	29.125337	8.0	610999.0	1.213556	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

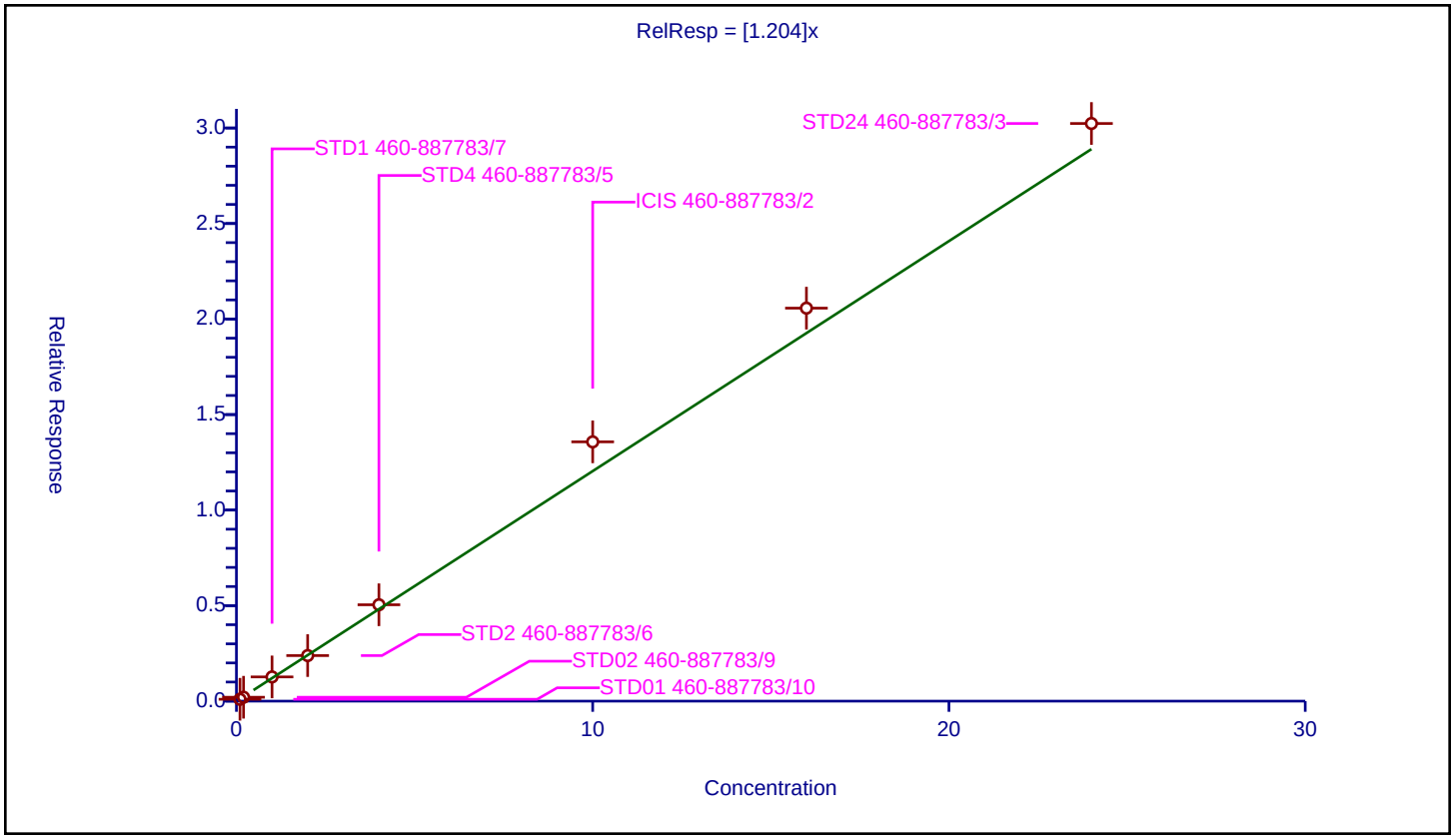
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.098748	8.0	771908.0	0.987475	Y
2	STD02 460-887783/9	0.2	0.204082	8.0	815438.0	1.020409	Y
3	STD1 460-887783/7	1.0	1.267827	8.0	785110.0	1.267827	Y
4	STD2 460-887783/6	2.0	2.383995	8.0	618149.0	1.191997	Y
5	STD4 460-887783/5	4.0	5.045157	8.0	615050.0	1.261289	Y
6	ICIS 460-887783/2	10.0	13.571596	8.0	559080.0	1.35716	Y
7	STD16 460-887783/4	16.0	20.570317	8.0	616036.0	1.285645	Y
8	STD24 460-887783/3	24.0	30.23565	8.0	610999.0	1.259819	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

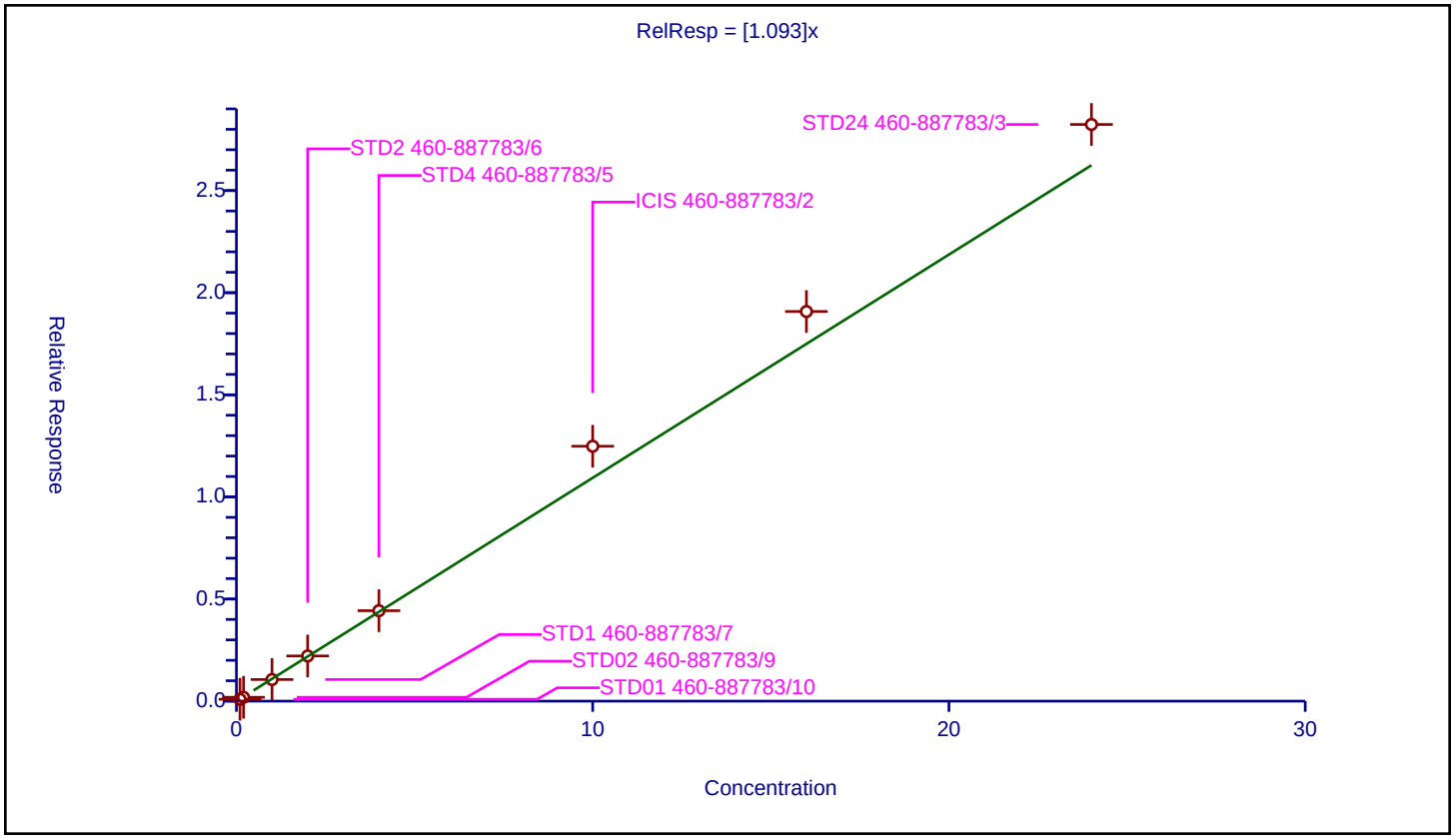
Curve Coefficients

Intercept:	0
Slope:	1.093

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.091348	8.0	771908.0	0.913477	Y
2	STD02 460-887783/9	0.2	0.188856	8.0	815438.0	0.944278	Y
3	STD1 460-887783/7	1.0	1.058736	8.0	785110.0	1.058736	Y
4	STD2 460-887783/6	2.0	2.212088	8.0	618149.0	1.106044	Y
5	STD4 460-887783/5	4.0	4.428531	8.0	615050.0	1.107133	Y
6	ICIS 460-887783/2	10.0	12.480933	8.0	559080.0	1.248093	Y
7	STD16 460-887783/4	16.0	19.079547	8.0	616036.0	1.192472	Y
8	STD24 460-887783/3	24.0	28.236642	8.0	610999.0	1.176527	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

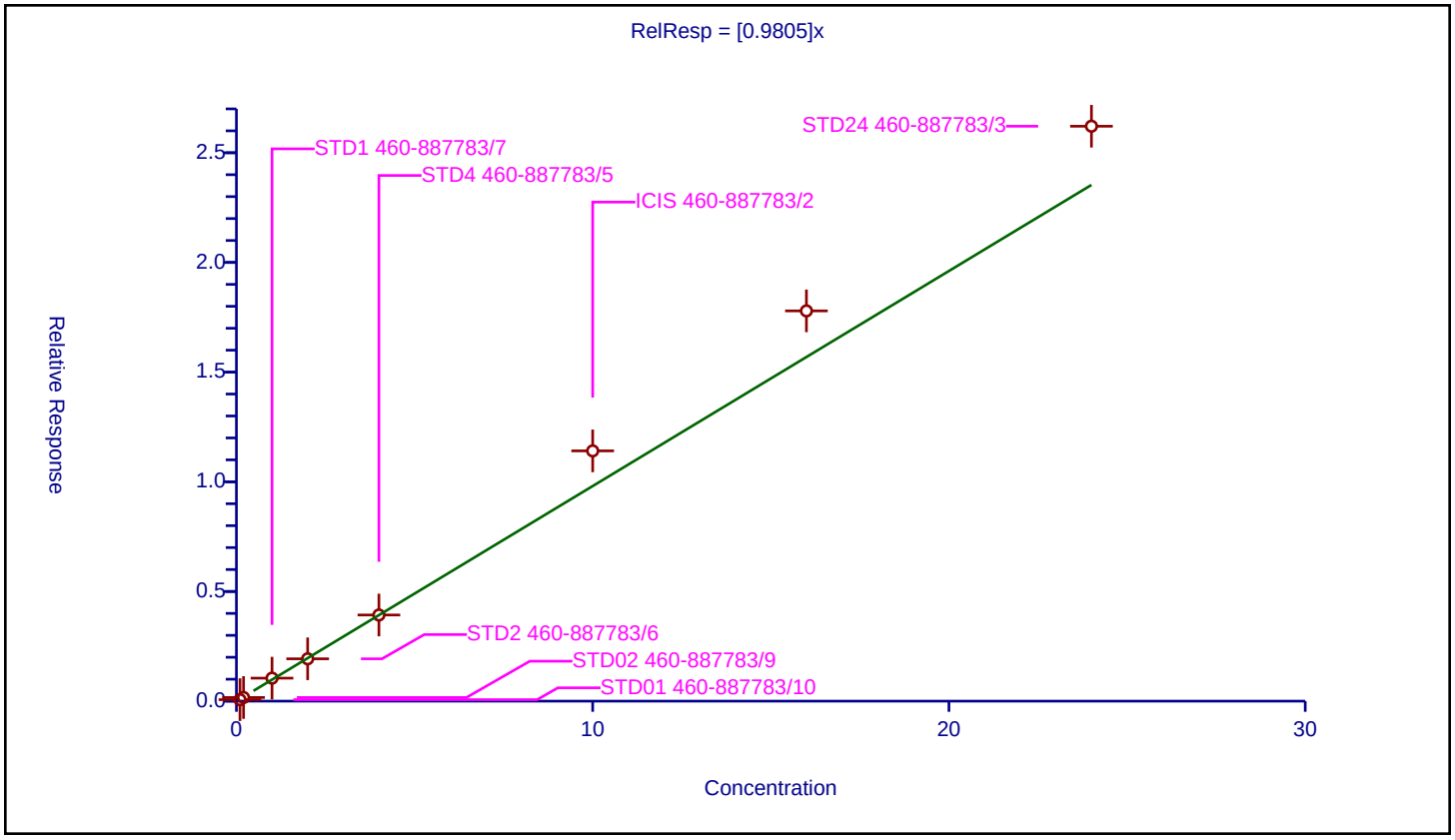
Curve Coefficients

Intercept:	0
Slope:	0.9805

Error Coefficients

Standard Error:	974000
Relative Standard Error:	16.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.067262	8.0	771908.0	0.672619	Y
2	STD02 460-887783/9	0.2	0.166193	8.0	815438.0	0.830964	Y
3	STD1 460-887783/7	1.0	1.04877	8.0	785110.0	1.04877	Y
4	STD2 460-887783/6	2.0	1.930331	8.0	618149.0	0.965165	Y
5	STD4 460-887783/5	4.0	3.926796	8.0	615050.0	0.981699	Y
6	ICIS 460-887783/2	10.0	11.40933	8.0	559080.0	1.140933	Y
7	STD16 460-887783/4	16.0	17.79109	8.0	616036.0	1.111943	Y
8	STD24 460-887783/3	24.0	26.209758	8.0	610999.0	1.092073	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

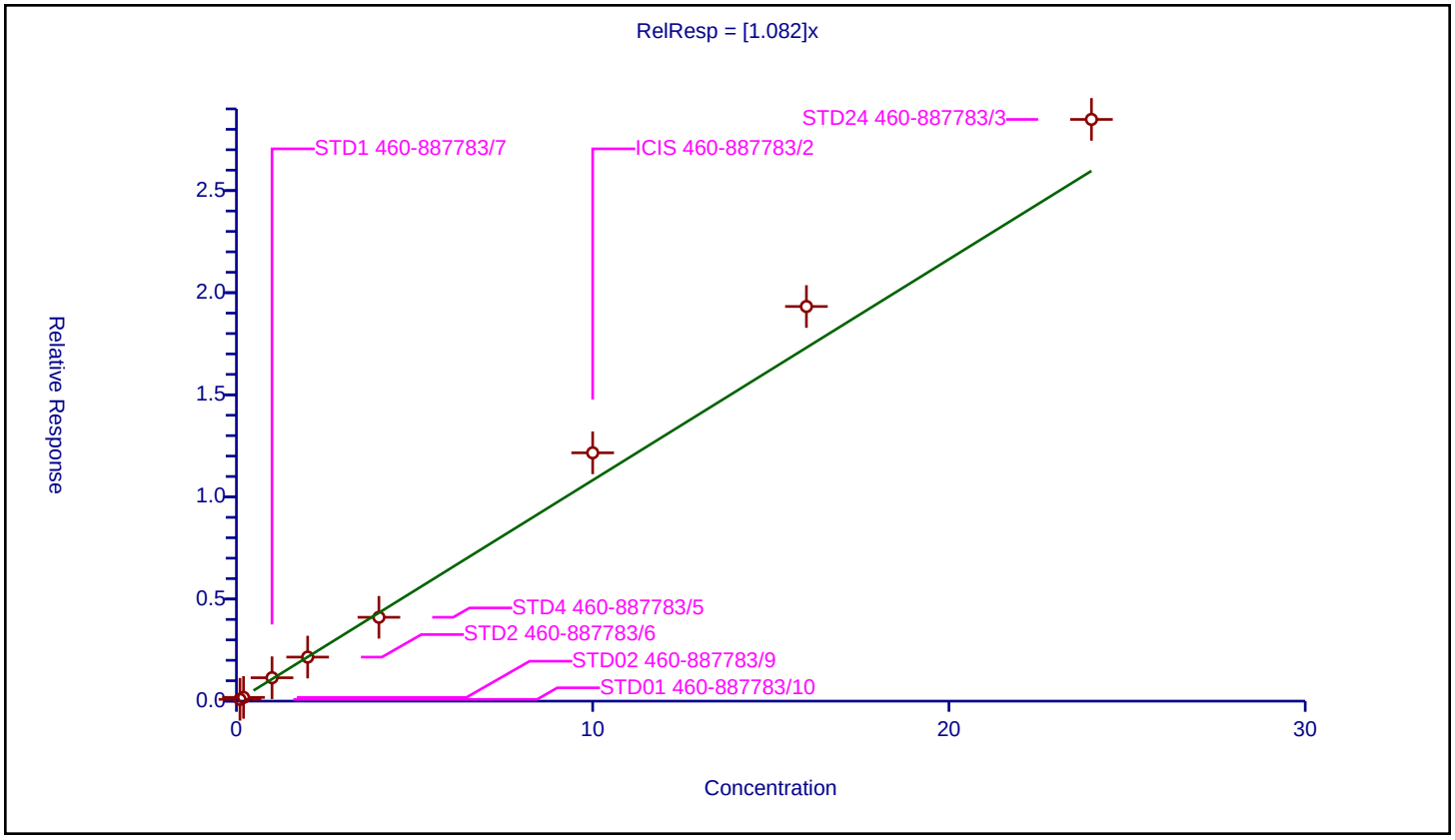
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	12.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-887783/10	0.1	0.087772	8.0	771908.0	0.877721	Y
2	STD02 460-887783/9	0.2	0.183048	8.0	815438.0	0.915238	Y
3	STD1 460-887783/7	1.0	1.14598	8.0	785110.0	1.14598	Y
4	STD2 460-887783/6	2.0	2.156826	8.0	618149.0	1.078413	Y
5	STD4 460-887783/5	4.0	4.106671	8.0	615050.0	1.026668	Y
6	ICIS 460-887783/2	10.0	12.158847	8.0	559080.0	1.215885	Y
7	STD16 460-887783/4	16.0	19.324208	8.0	616036.0	1.207763	Y
8	STD24 460-887783/3	24.0	28.485415	8.0	610999.0	1.186892	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

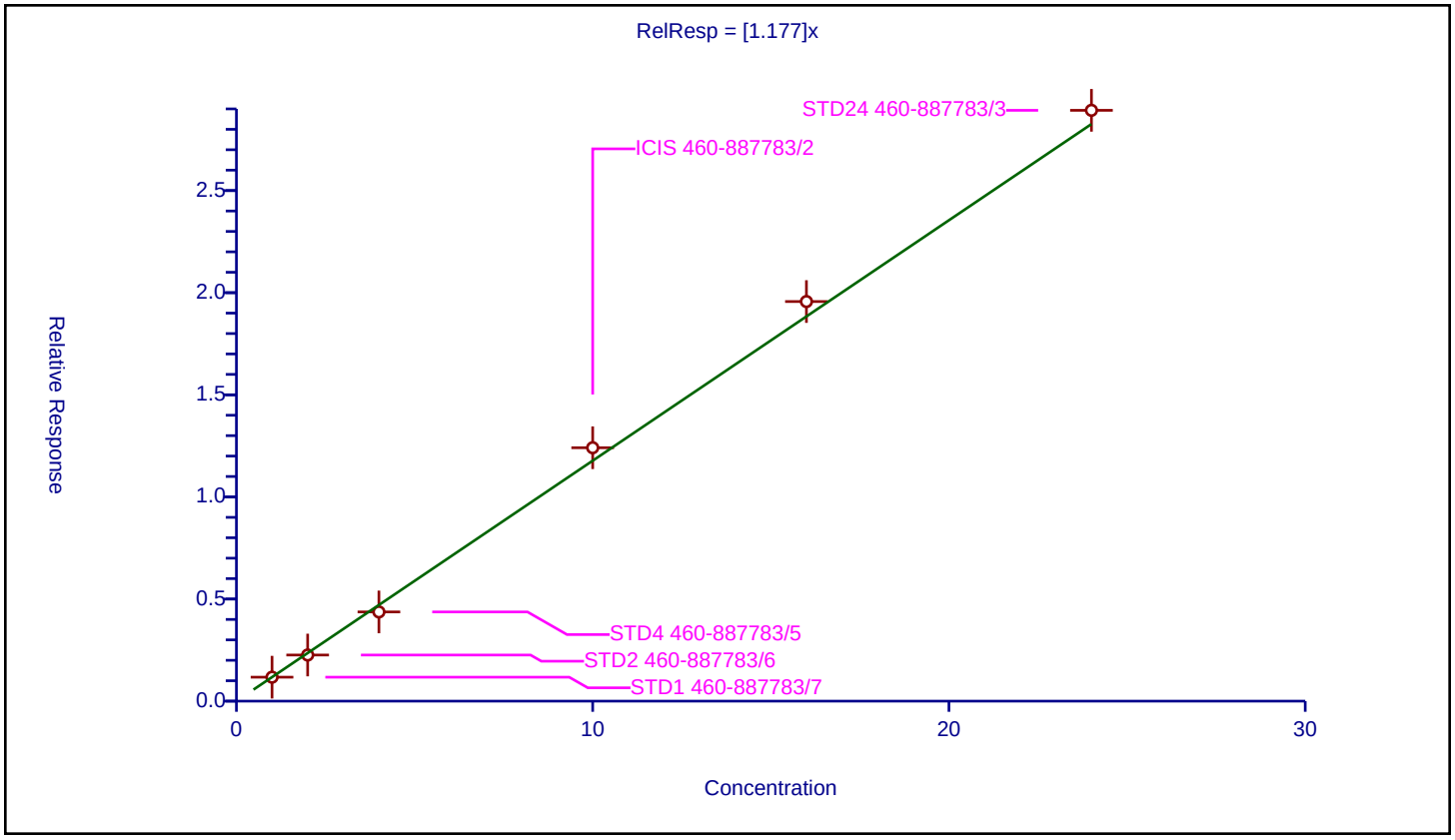
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-887783/7	1.0	1.173359	8.0	785110.0	1.173359	Y
2	STD2 460-887783/6	2.0	2.258666	8.0	618149.0	1.129333	Y
3	STD4 460-887783/5	4.0	4.368516	8.0	615050.0	1.092129	Y
4	ICIS 460-887783/2	10.0	12.408299	8.0	559080.0	1.24083	Y
5	STD16 460-887783/4	16.0	19.567259	8.0	616036.0	1.222954	Y
6	STD24 460-887783/3	24.0	28.929645	8.0	610999.0	1.205402	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-891145/11 Calibration Date: 02/02/2023 18:58

Instrument ID: CBNAMS14 Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 02/02/2023 18:36

Lab File ID: N41484.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4355	0.4031		9260	10000	-7.4	30.0
N-Nitrosodimethylamine	Ave	0.6446	0.6038		9370	10000	-6.3	30.0
Pyridine	Ave	1.036	0.9295		17900	20000	-10.3	30.0
Benzaldehyde	Ave	0.9168	0.7996	0.0100	3490	4000	-12.8	30.0
Phenol	Ave	1.325	1.207	0.8000	9110	10000	-8.9	30.0
Aniline	Ave	1.659	1.545		9320	10000	-6.8	30.0
Bis(2-chloroethyl)ether	Ave	1.003	0.9367	0.7000	9340	10000	-6.6	30.0
2-Chlorophenol	Ave	1.210	1.140	0.8000	9420	10000	-5.8	30.0
n-Decane	Ave	1.207	1.142		9460	10000	-5.4	30.0
1,3-Dichlorobenzene	Ave	1.476	1.423		9640	10000	-3.6	30.0
1,4-Dichlorobenzene	Ave	1.525	1.455		9540	10000	-4.6	30.0
Benzyl alcohol	Ave	0.6918	0.6587		9520	10000	-4.8	30.0
1,2-Dichlorobenzene	Ave	1.426	1.370		9610	10000	-3.9	30.0
2-Methylphenol	Ave	0.998	0.9643	0.7000	9660	10000	-3.4	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.300	1.267	0.0100	9740	10000	-2.6	30.0
3 & 4 Methylphenol	Ave	1.104	1.059		9600	10000	-4.0	30.0
4-Methylphenol	Ave	1.104	1.059	0.6000	9600	10000	-4.0	30.0
N-Methylaniline	Ave	1.825	1.750		9590	10000	-4.1	30.0
Acetophenone	Ave	1.627	1.569	0.0100	9640	10000	-3.6	30.0
N-Nitrosodi-n-propylamine	Ave	0.7034	0.6954	0.5000	9890	10000	-1.1	30.0
Hexachloroethane	Ave	0.4918	0.4824	0.3000	9810	10000	-1.9	30.0
Nitrobenzene	Ave	0.4964	0.4894	0.2000	9860	10000	-1.4	30.0
n,n'-Dimethylaniline	Ave	1.783	1.757		9860	10000	-1.4	30.0
Isophorone	Ave	0.5451	0.5324	0.4000	9770	10000	-2.3	30.0
2-Nitrophenol	Ave	0.1733	0.1701	0.1000	9820	10000	-1.8	30.0
2,4-Dimethylphenol	Ave	0.2936	0.2775	0.2000	9450	10000	-5.5	30.0
Benzoic acid	Lin1		0.1632		9590	10000	-4.1	30.0
Bis(2-chloroethoxy)methane	Ave	0.3531	0.3372	0.3000	9550	10000	-4.5	30.0
2,4-Dichlorophenol	Ave	0.3242	0.3129	0.2000	9650	10000	-3.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3694	0.3741		10100	10000	1.3	30.0
Naphthalene	Ave	1.012	0.9512	0.7000	9390	10000	-6.1	30.0
4-Chloroaniline	Ave	0.3963	0.3816	0.0100	9630	10000	-3.7	30.0
Hexachlorobutadiene	Ave	0.2196	0.2153	0.0100	9800	10000	-2.0	30.0
Caprolactam	Ave	0.0432	0.0296	0.0100	2740	4000	-31.5*	30.0
4-Chloro-3-methylphenol	Ave	0.2572	0.2489	0.2000	9680	10000	-3.2	30.0
2-Methylnaphthalene	Ave	0.6791	0.6439	0.4000	9480	10000	-5.2	30.0
1-Methylnaphthalene	Ave	0.6207	0.5954		9590	10000	-4.1	30.0
Hexachlorocyclopentadiene	Ave	0.4631	0.4584	0.0500	9900	10000	-1.0	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6312	0.6384	0.0100	10100	10000	1.1	30.0
2-tertbutyl-4-methylphenol	Ave	0.4292	0.4274		9960	10000	-0.4	30.0
2,4,6-Trichlorophenol	Ave	0.3862	0.4138	0.2000	10700	10000	7.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-891145/11 Calibration Date: 02/02/2023 18:58

Instrument ID: CBNAMS14 Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 02/02/2023 18:36

Lab File ID: N41484.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4418	0.4562	0.2000	10300	10000	3.3	30.0
1,1'-Biphenyl	Ave	1.476	1.480	0.0100	10000	10000	0.3	30.0
2-Chloronaphthalene	Ave	1.179	1.200	0.8000	10200	10000	1.9	30.0
Phenyl ether	Ave	0.8460	0.8475		10000	10000	0.2	30.0
2-Nitroaniline	Ave	0.3166	0.3207	0.0100	10100	10000	1.3	30.0
1,3-Dimethylnaphthalene	Ave	0.9111	0.9695		10600	10000	6.4	30.0
Dimethyl phthalate	Ave	1.263	1.294	0.0100	10200	10000	2.5	30.0
Coumarin	Ave	0.2245	0.2262		10100	10000	0.8	30.0
2,6-Dinitrotoluene	Ave	0.2523	0.2724	0.2000	10800	10000	8.0	30.0
Acenaphthylene	Ave	1.766	1.693	0.9000	9590	10000	-4.1	30.0
3-Nitroaniline	Ave	0.2483	0.2586	0.0100	10400	10000	4.1	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.102	1.140		10300	10000	3.4	30.0
Acenaphthene	Ave	1.047	1.038	0.9000	9910	10000	-0.9	30.0
2,4-Dinitrophenol	Lin2		0.1586	0.0100	20000	20000	0.1	30.0
4-Nitrophenol	Ave	0.1740	0.1802	0.0100	20700	20000	3.6	30.0
2,4-Dinitrotoluene	Ave	0.3245	0.3646	0.2000	11200	10000	12.3	30.0
Dibenzofuran	Ave	1.632	1.651	0.8000	10100	10000	1.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3105	0.3291	0.0100	10600	10000	6.0	30.0
Diethyl phthalate	Ave	1.191	1.211	0.0100	10200	10000	1.6	30.0
Fluorene	Ave	1.279	1.290	0.9000	10100	10000	0.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.6502	0.6607	0.4000	10200	10000	1.6	30.0
4-Nitroaniline	Ave	0.2423	0.2582	0.0100	10700	10000	6.5	30.0
4,6-Dinitro-2-methylphenol	Ave	0.0978	0.1085	0.0100	22200	20000	10.9	30.0
N-Nitrosodiphenylamine	Ave	0.5075	0.5075	0.0100	10000	10000	0.0	30.0
1,2-Diphenylhydrazine	Ave	0.5409	0.5365		9920	10000	-0.8	30.0
Azobenzene	Ave	0.5409	0.5365		9920	10000	-0.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2070	0.2079	0.1000	10000	10000	0.4	30.0
Hexachlorobenzene	Ave	0.2642	0.2668	0.1000	10100	10000	1.0	30.0
Atrazine	Ave	0.1862	0.2023	0.0100	4350	4000	8.6	30.0
Pentachlorophenol	Ave	0.1347	0.1432	0.0500	21300	20000	6.3	30.0
Pentachloronitrobenzene	Ave	0.0937	0.0982	0.0100	10500	10000	4.8	30.0
n-Octadecane	Ave	0.2948	0.2939		9970	10000	-0.3	30.0
Phenanthrene	Ave	1.022	1.025	0.7000	10000	10000	0.3	30.0
Anthracene	Ave	1.033	1.044	0.7000	10100	10000	1.1	30.0
Carbazole	Ave	0.8766	0.8766	0.0100	10000	10000	0.0	30.0
Di-n-butyl phthalate	Ave	0.9435	0.9799	0.0100	10400	10000	3.9	30.0
Fluoranthene	Ave	1.011	1.043	0.6000	10300	10000	3.1	30.0
Benzidine	Ave	0.5021	0.5257		10500	10000	4.7	30.0
Pyrene	Ave	1.415	1.490	0.6000	10500	10000	5.3	30.0
Bisphenol-A	Ave	0.5299	0.5671		10700	10000	7.0	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-891145/11 Calibration Date: 02/02/2023 18:58

Instrument ID: CBNAMS14 Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 02/02/2023 18:36

Lab File ID: N41484.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.4527	0.4925	0.0100	10900	10000	8.8	30.0
Carbamazepine	Ave	0.2477	0.2847		11500	10000	15.0	30.0
3,3'-Dichlorobenzidine	Ave	0.4309	0.4892	0.0100	11400	10000	13.5	30.0
Benzo[a]anthracene	Ave	1.197	1.198	0.8000	10000	10000	0.0	30.0
Chrysene	Ave	1.157	1.168	0.7000	10100	10000	0.9	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6672	0.7737	0.0100	11600	10000	16.0	30.0
Di-n-octyl phthalate	Ave	0.9163	1.024	0.0100	11200	10000	11.7	30.0
Benzo[b]fluoranthene	Ave	1.089	1.101		10100	10000	1.1	30.0
Benzo[k]fluoranthene	Ave	1.099	1.149	0.7000	10500	10000	4.6	30.0
Benzo[a]pyrene	Ave	1.047	1.121	0.7000	10700	10000	7.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.287	1.392	0.5000	10800	10000	8.2	30.0
Dibenz(a,h)anthracene	Ave	1.358	1.402	0.4000	10300	10000	3.2	30.0
Benzo[g,h,i]perylene	Ave	1.497	1.487	0.5000	9930	10000	-0.7	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41484.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 02-Feb-2023 18:58:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156304-011
Operator ID: Instrument ID: CBNAMS14
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:53:19 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 03-Feb-2023 11:19:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.932	1.923	0.009	94	70793	10.0	9.26	
2	N-Nitrosodimethylamine	74	2.143	2.133	0.010	84	106049	10.0	9.37	
3	Pyridine	79	2.181	2.175	0.006	92	326476	20.0	17.9	
5	Benzaldehyde	77	4.077	4.077	0.000	94	56171	4.00	3.49	E
7	Phenol	94	4.128	4.121	0.007	99	212038	10.0	9.11	
8	Aniline	93	4.176	4.173	0.003	99	271347	10.0	9.32	
9	Bis(2-chloroethyl)ether	93	4.236	4.233	0.003	97	164509	10.0	9.34	
10	Benzonitrile	103	4.259	4.252	0.007	98	376053	NC	NC	
11	2-Chlorophenol	128	4.287	4.284	0.003	96	200205	10.0	9.42	
12	n-Decane	43	4.335	4.335	0.000	93	200484	10.0	9.46	
13	1,3-Dichlorobenzene	146	4.441	4.438	0.003	96	249874	10.0	9.64	
* 14	1,4-Dichlorobenzene-d4	152	4.492	4.492	0.000	94	140499	8.00	8.00	
15	1,4-Dichlorobenzene	146	4.508	4.508	0.000	96	255536	10.0	9.54	
16	Benzyl alcohol	108	4.613	4.610	0.003	93	115682	10.0	9.52	
17	1,2-Dichlorobenzene	146	4.651	4.651	0.000	96	240681	10.0	9.61	
18	2-Methylphenol	108	4.712	4.709	0.003	86	169355	10.0	9.66	
19	2,2'-oxybis[1-chloropropane]	45	4.750	4.747	0.003	92	222478	10.0	9.74	
23	3 & 4 Methylphenol	108	4.862	4.856	0.006	95	185973	10.0	9.60	
24	4-Methylphenol	108	4.862	4.856	0.006	87	185973	10.0	9.60	
20	N-Methylaniline	106	4.862	4.859	0.003	89	307409	10.0	9.59	a
22	N-Nitrosodi-n-propylamine	70	4.875	4.869	0.006	87	122129	10.0	9.89	
21	Acetophenone	105	4.875	4.869	0.006	90	275530	10.0	9.64	
25	Hexachloroethane	117	4.977	4.977	0.000	86	84713	10.0	9.81	
28	Nitrobenzene	123	5.035	5.032	0.003	97	85942	10.0	9.86	
29	n,n'-Dimethylaniline	120	5.038	5.035	0.003	96	308576	10.0	9.86	
30	Isophorone	82	5.265	5.261	0.004	99	312404	10.0	9.77	
32	2-Nitrophenol	139	5.338	5.335	0.003	93	99820	10.0	9.82	
33	2,4-Dimethylphenol	122	5.373	5.370	0.003	90	162839	10.0	9.45	
35	Benzoic acid	122	5.463	5.424	0.039	89	95787	10.0	9.59	
34	Bis(2-chloroethoxy)methane	93	5.472	5.469	0.003	98	197885	10.0	9.55	
36	2,4-Dichlorophenol	162	5.562	5.558	0.004	96	183578	10.0	9.65	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.648	5.648	0.000	94	219501	10.0	10.1	
* 38 Naphthalene-d8	136	5.705	5.702	0.003	99	469432	8.00	8.00	
39 Naphthalene	128	5.725	5.724	0.001	98	558128	10.0	9.39	
40 4-Chloroaniline	127	5.773	5.769	0.004	97	223931	10.0	9.63	
130 2,6-Dichlorophenol	162	5.779	5.776	0.003	99	179518	10.0	9.63	
41 Hexachlorobutadiene	225	5.843	5.843	0.000	96	126329	10.0	9.80	
42 Caprolactam	113	6.098	6.082	0.016	91	6945	4.00	2.74	
43 4-Chloro-3-methylphenol	107	6.229	6.226	0.003	95	146065	10.0	9.68	
44 2-Methylnaphthalene	142	6.386	6.382	0.004	82	377858	10.0	9.48	
45 1-Methylnaphthalene	142	6.478	6.478	0.000	90	349352	10.0	9.59	
46 Hexachlorocyclopentadiene	237	6.536	6.532	0.004	97	147976	10.0	9.90	
47 1,2,4,5-Tetrachlorobenzene	216	6.542	6.538	0.004	97	206072	10.0	10.1	
48 2-tertbutyl-4-methylphenol	149	6.571	6.570	0.001	91	250793	10.0	9.96	
49 2,4,6-Trichlorophenol	196	6.648	6.644	0.004	94	133576	10.0	10.7	
50 2,4,5-Trichlorophenol	196	6.676	6.676	0.000	98	147281	10.0	10.3	
52 1,1'-Biphenyl	154	6.830	6.829	0.001	96	477641	10.0	10.0	
53 2-Chloronaphthalene	162	6.846	6.845	0.001	99	387521	10.0	10.2	
54 Phenyl ether	170	6.932	6.931	0.001	86	273589	10.0	10.0	
55 2-Nitroaniline	65	6.938	6.935	0.003	99	103528	10.0	10.1	
57 1,3-Dimethylnaphthalene	156	7.053	7.053	0.000	92	312986	10.0	10.6	
59 Dimethyl phthalate	163	7.124	7.120	0.004	99	417665	10.0	10.2	
60 Coumarin	146	7.140	7.133	0.007	80	132745	10.0	10.1	
61 2,6-Dinitrotoluene	165	7.175	7.168	0.007	95	87949	10.0	10.8	
62 Acenaphthylene	152	7.239	7.238	0.001	96	546580	10.0	9.59	
63 3-Nitroaniline	138	7.328	7.324	0.004	97	83471	10.0	10.4	
* 64 Acenaphthene-d10	164	7.373	7.372	0.001	94	258253	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.399	7.398	0.001	96	367884	10.0	10.3	
66 Acenaphthene	154	7.405	7.401	0.004	97	335088	10.0	9.91	
67 2,4-Dinitrophenol	184	7.427	7.423	0.004	92	102420	20.0	20.0	
68 4-Nitrophenol	65	7.479	7.471	0.008	88	116342	20.0	20.7	
69 2,4-Dinitrotoluene	165	7.552	7.548	0.004	97	117687	10.0	11.2	
70 Dibenzofuran	168	7.568	7.567	0.001	96	532903	10.0	10.1	
72 2,3,4,6-Tetrachlorophenol	232	7.677	7.676	0.001	94	106247	10.0	10.6	
73 Diethyl phthalate	149	7.795	7.791	0.004	99	390863	10.0	10.2	
75 Fluorene	166	7.891	7.890	0.001	92	416302	10.0	10.1	
74 4-Chlorophenyl phenyl ether	204	7.897	7.896	0.001	91	213279	10.0	10.2	
76 4-Nitroaniline	138	7.907	7.899	0.008	89	83341	10.0	10.7	
77 4,6-Dinitro-2-methylphenol	198	7.936	7.931	0.005	92	129769	20.0	22.2	
78 N-Nitrosodiphenylamine	169	8.006	8.005	0.001	94	303487	10.0	10.0	
131 Azobenzene	77	8.044	8.043	0.001	0	320820	10.0	9.92	
79 1,2-Diphenylhydrazine	77	8.044	8.043	0.001	95	320820	10.0	9.92	
81 4-Bromophenyl phenyl ether	248	8.357	8.356	0.001	94	124321	10.0	10.0	
82 Hexachlorobenzene	284	8.408	8.404	0.004	95	159520	10.0	10.1	
83 Atrazine	200	8.514	8.513	0.001	93	48394	4.00	4.35	
84 Pentachlorophenol	266	8.594	8.589	0.005	93	171219	20.0	21.3	
85 Pentachloronitrobenzene	237	8.607	8.605	0.002	90	58710	10.0	10.5	
86 n-Octadecane	57	8.696	8.695	0.001	96	175770	10.0	9.97	
* 87 Phenanthrene-d10	188	8.779	8.778	0.001	97	478387	8.00	8.00	
88 Phenanthrene	178	8.802	8.800	0.002	96	612891	10.0	10.0	
89 Anthracene	178	8.850	8.848	0.002	98	624299	10.0	10.1	
90 Carbazole	167	9.000	8.998	0.002	96	524214	10.0	10.0	
91 Di-n-butyl phthalate	149	9.348	9.346	0.002	99	585979	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.929	9.924	0.005	97	623591	10.0	10.3	
93 Benzidine	184	10.057	10.055	0.002	98	314342	10.0	10.5	
94 Pyrene	202	10.143	10.141	0.002	97	636663	10.0	10.5	
95 Bisphenol-A	213	10.197	10.192	0.005	97	242256	10.0	10.7	
97 Butyl benzyl phthalate	149	10.823	10.822	0.001	95	210397	10.0	10.9	
99 Carbamazepine	193	10.926	10.921	0.005	91	121636	10.0	11.5	
100 3,3'-Dichlorobenzidine	252	11.402	11.400	0.002	99	208991	10.0	11.4	
101 Benzo[a]anthracene	228	11.424	11.422	0.002	97	511649	10.0	10.0	
* 102 Chrysene-d12	240	11.437	11.435	0.002	98	341748	8.00	8.00	
104 Chrysene	228	11.466	11.464	0.002	97	498928	10.0	10.1	
103 Bis(2-ethylhexyl) phthalate	149	11.507	11.509	-0.002	86	330518	10.0	11.6	
105 Di-n-octyl phthalate	149	12.373	12.371	0.002	96	496264	10.0	11.2	
106 Benzo[b]fluoranthene	252	12.827	12.822	0.005	97	533625	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.868	12.860	0.008	97	557215	10.0	10.5	
108 Benzo[a]pyrene	252	13.287	13.279	0.008	97	543434	10.0	10.7	
* 109 Perylene-d12	264	13.367	13.362	0.005	100	387851	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.979	14.968	0.011	97	675069	10.0	10.8	
111 Dibenz(a,h)anthracene	278	15.030	15.019	0.011	97	679940	10.0	10.3	
112 Benzo[g,h,i]perylene	276	15.436	15.419	0.017	97	720691	10.0	9.93	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SV_ICV_ LVI_00009 Amount Added: 1.00 Units: mL

Report Date: 03-Feb-2023 13:53:25 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41484.d

Injection Date: 02-Feb-2023 18:58:30 Instrument ID: CBNAMS14 Operator ID:

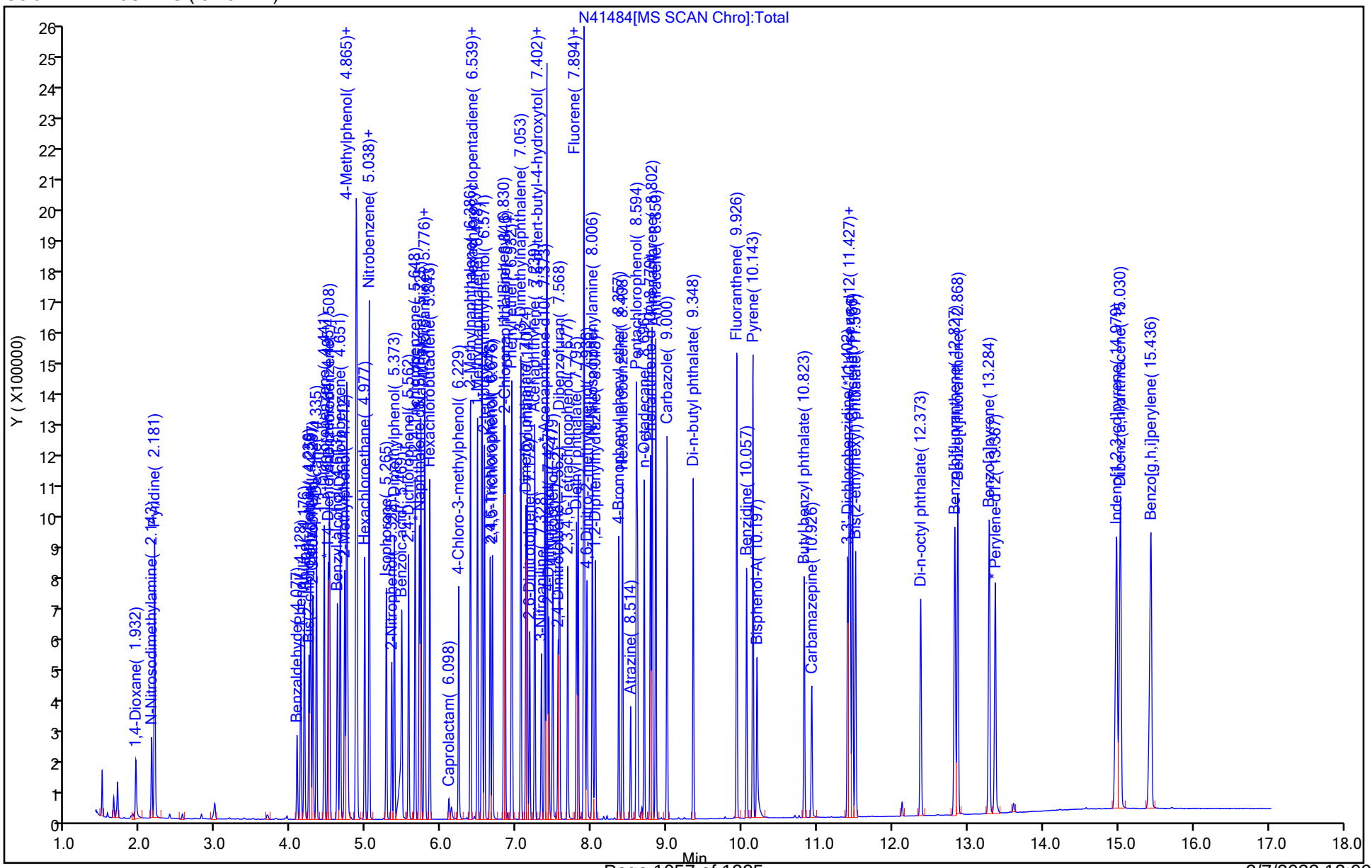
Lims ID: ICV Worklist Smp#: 11

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

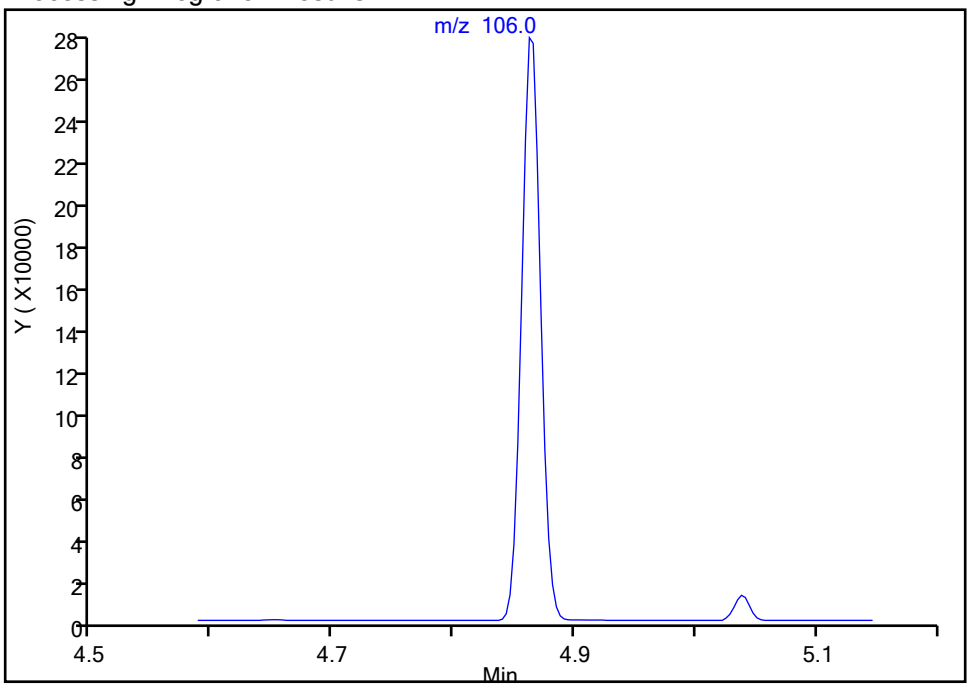
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41484.d				
Injection Date:	02-Feb-2023 18:58:30	Instrument ID:	CBNAMS14		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

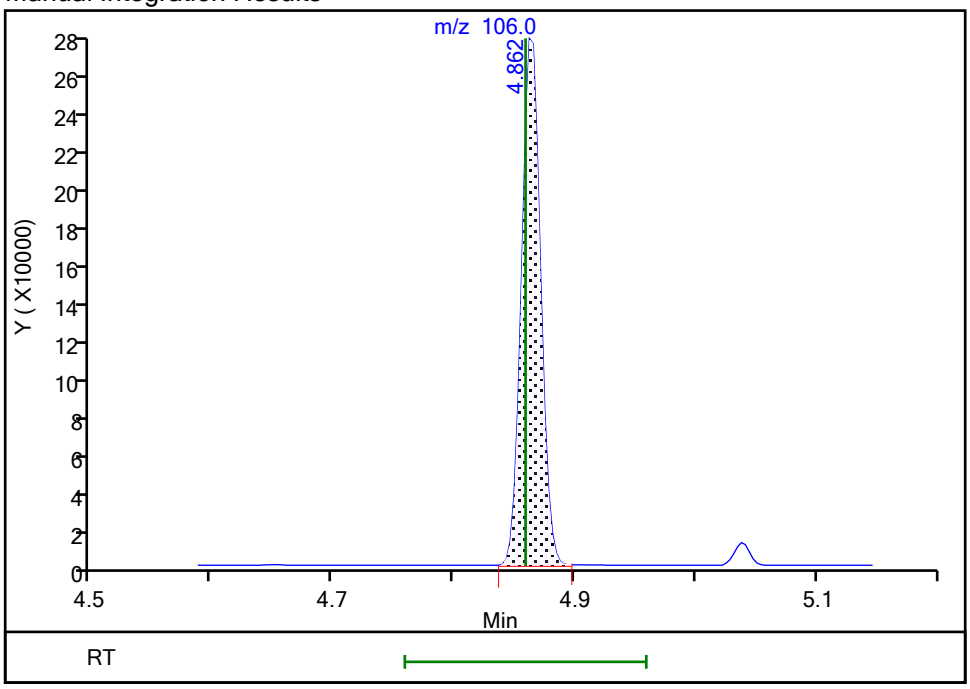
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 307409
Amount: 9.591185
Amount Units: ug/ml



Reviewer: LKI7, 03-Feb-2023 11:19:03
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891527/2 Calibration Date: 02/05/2023 14:52

Instrument ID: CBNAMS14 Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 02/02/2023 18:36

Lab File ID: N41496a.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4355	0.4203		9650	10000	-3.5	20.0
N-Nitrosodimethylamine	Ave	0.6446	0.6305		9780	10000	-2.2	20.0
Pyridine	Ave	1.036	0.9666		18700	20000	-6.7	20.0
Benzaldehyde	Ave	0.9168	0.4750	0.0100	2070	4000	-48.2*	20.0
Phenol	Ave	1.325	1.235	0.8000	9320	10000	-6.8	20.0
Aniline	Ave	1.659	1.592		9600	10000	-4.0	20.0
Bis(2-chloroethyl)ether	Ave	1.003	0.9628	0.7000	9600	10000	-4.0	20.0
2-Chlorophenol	Ave	1.210	1.178	0.8000	9730	10000	-2.7	20.0
n-Decane	Ave	1.207	1.155		9570	10000	-4.3	20.0
1,3-Dichlorobenzene	Ave	1.476	1.511		10200	10000	2.4	20.0
1,4-Dichlorobenzene	Ave	1.525	1.522		9980	10000	-0.2	20.0
Benzyl alcohol	Ave	0.6918	0.6285		9080	10000	-9.2	20.0
1,2-Dichlorobenzene	Ave	1.426	1.440		10100	10000	1.0	20.0
2-Methylphenol	Ave	0.998	0.995	0.7000	9970	10000	-0.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.300	1.298	0.0100	9990	10000	-0.1	20.0
3 & 4 Methylphenol	Ave	1.104	1.103		10000	10000	-0.0	20.0
4-Methylphenol	Ave	1.104	1.103	0.6000	10000	10000	-0.0	20.0
N-Methylaniline	Ave	1.825	1.781		9760	10000	-2.4	20.0
Acetophenone	Ave	1.627	1.647	0.0100	10100	10000	1.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.7034	0.7201	0.5000	10200	10000	2.4	20.0
Hexachloroethane	Ave	0.4918	0.4991	0.3000	10100	10000	1.5	20.0
Nitrobenzene	Ave	0.4964	0.5228	0.2000	10500	10000	5.3	20.0
n,n'-Dimethylaniline	Ave	1.783	1.830		10300	10000	2.7	20.0
Isophorone	Ave	0.5451	0.5527	0.4000	10100	10000	1.4	20.0
2-Nitrophenol	Ave	0.1733	0.1585	0.1000	9140	10000	-8.6	20.0
2,4-Dimethylphenol	Ave	0.2936	0.2841	0.2000	9680	10000	-3.2	20.0
Benzoic acid	Lin1		0.1437		8570	10000	-14.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3531	0.3493	0.3000	9890	10000	-1.1	20.0
2,4-Dichlorophenol	Ave	0.3242	0.3222	0.2000	9940	10000	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3694	0.3798		10300	10000	2.8	20.0
Naphthalene	Ave	1.012	0.9924	0.7000	9800	10000	-2.0	20.0
4-Chloroaniline	Ave	0.3963	0.4000	0.0100	10100	10000	0.9	20.0
Hexachlorobutadiene	Ave	0.2196	0.2037	0.0100	9270	10000	-7.3	20.0
Caprolactam	Ave	0.0432	0.0470	0.0100	4350	4000	8.8	20.0
4-Chloro-3-methylphenol	Ave	0.2572	0.2536	0.2000	9860	10000	-1.4	20.0
2-Methylnaphthalene	Ave	0.6791	0.6752	0.4000	9940	10000	-0.6	20.0
1-Methylnaphthalene	Ave	0.6207	0.6262		10100	10000	0.9	20.0
Hexachlorocyclopentadiene	Ave	0.4631	0.4019	0.0500	8680	10000	-13.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6312	0.6205	0.0100	9830	10000	-1.7	20.0
2-tertbutyl-4-methylphenol	Ave	0.4292	0.4197		9780	10000	-2.2	20.0
2,4,6-Trichlorophenol	Ave	0.3862	0.3884	0.2000	10100	10000	0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891527/2 | Calibration Date: 02/05/2023 14:52

Instrument ID: CBNAMS14 | Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 02/02/2023 18:36

Lab File ID: N41496a.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4418	0.4425	0.2000	10000	10000	0.2	20.0
1,1'-Biphenyl	Ave	1.476	1.596	0.0100	10800	10000	8.2	20.0
2-Chloronaphthalene	Ave	1.179	1.257	0.8000	10700	10000	6.6	20.0
Phenyl ether	Ave	0.8460	0.8745		10300	10000	3.4	20.0
2-Nitroaniline	Ave	0.3166	0.3266	0.0100	10300	10000	3.2	20.0
1,3-Dimethylnaphthalene	Ave	0.9111	1.007		11100	10000	10.6	20.0
Dimethyl phthalate	Ave	1.263	1.317	0.0100	10400	10000	4.3	20.0
Coumarin	Ave	0.2245	0.2238		9970	10000	-0.3	20.0
2,6-Dinitrotoluene	Ave	0.2523	0.2740	0.2000	10900	10000	8.6	20.0
Acenaphthylene	Ave	1.766	1.818	0.9000	10300	10000	3.0	20.0
3-Nitroaniline	Ave	0.2483	0.2742	0.0100	11000	10000	10.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.102	1.070		9710	10000	-2.9	20.0
Acenaphthene	Ave	1.047	1.105	0.9000	10600	10000	5.5	20.0
2,4-Dinitrophenol	Lin2		0.1249	0.0100	16200	20000	-19.2	20.0
4-Nitrophenol	Ave	0.1740	0.1783	0.0100	20500	20000	2.5	20.0
2,4-Dinitrotoluene	Ave	0.3245	0.3572	0.2000	11000	10000	10.0	20.0
Dibenzofuran	Ave	1.632	1.710	0.8000	10500	10000	4.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3105	0.2936	0.0100	9460	10000	-5.4	20.0
Diethyl phthalate	Ave	1.191	1.238	0.0100	10400	10000	3.9	20.0
Fluorene	Ave	1.279	1.317	0.9000	10300	10000	3.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.6502	0.6309	0.4000	9700	10000	-3.0	20.0
4-Nitroaniline	Ave	0.2423	0.2619	0.0100	10800	10000	8.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.0978	0.0957	0.0100	19600	20000	-2.1	20.0
N-Nitrosodiphenylamine	Ave	0.5075	0.5535	0.0100	10900	10000	9.1	20.0
1,2-Diphenylhydrazine	Ave	0.5409	0.6099		11300	10000	12.8	20.0
Azobenzene	Ave	0.5409	0.6099		11300	10000	12.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2070	0.2099	0.1000	10100	10000	1.4	20.0
Hexachlorobenzene	Ave	0.2642	0.2599	0.1000	9830	10000	-1.7	20.0
Atrazine	Ave	0.1862	0.2050	0.0100	4400	4000	10.1	20.0
Pentachlorophenol	Ave	0.1347	0.1278	0.0500	19000	20000	-5.1	20.0
Pentachloronitrobenzene	Ave	0.0937	0.0922	0.0100	9840	10000	-1.6	20.0
n-Octadecane	Ave	0.2948	0.3500		11900	10000	18.7	20.0
Phenanthrene	Ave	1.022	1.083	0.7000	10600	10000	6.0	20.0
Anthracene	Ave	1.033	1.097	0.7000	10600	10000	6.2	20.0
Carbazole	Ave	0.8766	0.9390	0.0100	10700	10000	7.1	20.0
Di-n-butyl phthalate	Ave	0.9435	1.060	0.0100	11200	10000	12.3	20.0
Fluoranthene	Ave	1.011	1.040	0.6000	10300	10000	2.8	20.0
Benzidine	Ave	0.5021	0.4979		9920	10000	-0.8	20.0
Pyrene	Ave	1.415	1.450	0.6000	10200	10000	2.4	20.0
Bisphenol-A	Ave	0.5299	0.3624		6840	10000	-31.6*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891527/2 Calibration Date: 02/05/2023 14:52

Instrument ID: CBNAMS14 Calib Start Date: 02/02/2023 15:43

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 02/02/2023 18:36

Lab File ID: N41496a.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.4527	0.5086	0.0100	11200	10000	12.4	20.0
2,3,7,8-TCDD	Ave	0.2248	0.1650		73.4	100	-26.6*	20.0
Carbamazepine	Ave	0.2477	0.4596		18600	10000	85.6*	20.0
3,3'-Dichlorobenzidine	Ave	0.4309	0.5374	0.0100	12500	10000	24.7*	20.0
Benzo[a]anthracene	Ave	1.197	1.201	0.8000	10000	10000	0.4	20.0
Chrysene	Ave	1.157	1.242	0.7000	10700	10000	7.3	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6672	0.7622	0.0100	11400	10000	14.2	20.0
Di-n-octyl phthalate	Ave	0.9163	0.7901	0.0100	8620	10000	-13.8	20.0
Benzo[b]fluoranthene	Ave	1.089	0.995		9140	10000	-8.6	20.0
Benzo[k]fluoranthene	Ave	1.099	1.144	0.7000	10400	10000	4.1	20.0
Benzo[a]pyrene	Ave	1.047	1.098	0.7000	10500	10000	4.9	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.287	1.222	0.5000	9490	10000	-5.1	20.0
Dibenz(a,h)anthracene	Ave	1.358	1.361	0.4000	10000	10000	0.2	20.0
Benzo[g,h,i]perylene	Ave	1.497	1.429	0.5000	9550	10000	-4.5	20.0
2-Fluorophenol (Surr)	Ave	1.181	1.114		9440	10000	-5.6	20.0
Phenol-d5 (Surr)	Ave	1.364	1.262		9250	10000	-7.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3536	0.3374		9540	10000	-4.6	20.0
2-Fluorobiphenyl	Ave	1.531	1.566		10200	10000	2.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2533	0.2275		8980	10000	-10.2	20.0
Terphenyl-d14 (Surr)	Ave	1.155	1.107		9580	10000	-4.2	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41496a.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Feb-2023 14:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156397-002
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:22:15 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: G4KC Date: 06-Feb-2023 09:22:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.910	1.910	0.000	95	45767	10.0	9.65	
2 N-Nitrosodimethylamine	74	2.120	2.120	0.000	84	68650	10.0	9.78	
3 Pyridine	79	2.158	2.158	0.000	92	210493	20.0	18.7	
$ 4 2-Fluorophenol	112	3.234	3.234	0.000	96	121344	10.0	9.44	
5 Benzaldehyde	77	4.069	4.069	0.000	93	20688	4.00	2.07	
$ 6 Phenol-d5	99	4.108	4.108	0.000	95	137414	10.0	9.25	
7 Phenol	94	4.121	4.121	0.000	99	134478	10.0	9.32	
8 Aniline	93	4.168	4.168	0.000	99	173354	10.0	9.60	
9 Bis(2-chloroethyl)ether	93	4.229	4.229	0.000	97	104826	10.0	9.60	
10 Benzonitrile	103	4.251	4.251	0.000	98	234641	NC	NC	
11 2-Chlorophenol	128	4.280	4.280	0.000	97	128244	10.0	9.73	
12 n-Decane	43	4.328	4.328	0.000	93	125741	10.0	9.57	
13 1,3-Dichlorobenzene	146	4.433	4.433	0.000	97	164558	10.0	10.2	
* 14 1,4-Dichlorobenzene-d4	152	4.485	4.485	0.000	94	87105	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.504	4.504	0.000	96	165738	10.0	9.98	
16 Benzyl alcohol	108	4.606	4.606	0.000	93	68431	10.0	9.08	
17 1,2-Dichlorobenzene	146	4.644	4.644	0.000	97	156762	10.0	10.1	
18 2-Methylphenol	108	4.705	4.705	0.000	87	108369	10.0	9.97	
19 2,2'-oxybis[1-chloropropane]	45	4.743	4.743	0.000	96	141381	10.0	9.99	
23 3 & 4 Methylphenol	108	4.855	4.855	0.000	96	120125	10.0	10.0	
24 4-Methylphenol	108	4.855	4.855	0.000	91	120125	10.0	10.0	
20 N-Methylaniline	106	4.858	4.858	0.000	79	193893	10.0	9.76	
22 N-Nitrosodi-n-propylamine	70	4.868	4.868	0.000	92	78406	10.0	10.2	
21 Acetophenone	105	4.868	4.868	0.000	90	179285	10.0	10.1	
25 Hexachloroethane	117	4.973	4.973	0.000	87	54339	10.0	10.1	
$ 27 Nitrobenzene-d5	82	5.011	5.011	0.000	86	122522	10.0	9.54	
28 Nitrobenzene	123	5.031	5.031	0.000	98	56928	10.0	10.5	
29 n,n'-Dimethylaniline	120	5.034	5.034	0.000	98	199282	10.0	10.3	
30 Isophorone	82	5.257	5.257	0.000	99	200674	10.0	10.1	
32 2-Nitrophenol	139	5.331	5.331	0.000	94	57536	10.0	9.14	
33 2,4-Dimethylphenol	122	5.366	5.366	0.000	90	103157	10.0	9.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.449	5.449	0.000	85	52161	10.0	8.57	
34 Bis(2-chloroethoxy)methane	93	5.468	5.468	0.000	98	126845	10.0	9.89	
36 2,4-Dichlorophenol	162	5.557	5.557	0.000	96	116977	10.0	9.94	
37 1,2,4-Trichlorobenzene	180	5.644	5.644	0.000	94	137923	10.0	10.3	
* 38 Naphthalene-d8	136	5.701	5.701	0.000	99	290485	8.00	8.00	
39 Naphthalene	128	5.720	5.720	0.000	98	360333	10.0	9.80	
40 4-Chloroaniline	127	5.768	5.768	0.000	96	145245	10.0	10.1	
130 2,6-Dichlorophenol	162	5.775	5.775	0.000	99	111156	10.0	9.64	
41 Hexachlorobutadiene	225	5.838	5.838	0.000	95	73960	10.0	9.27	
42 Caprolactam	113	6.087	6.087	0.000	92	6822	4.00	4.35	E
43 4-Chloro-3-methylphenol	107	6.225	6.225	0.000	95	92067	10.0	9.86	
44 2-Methylnaphthalene	142	6.381	6.381	0.000	82	245159	10.0	9.94	
45 1-Methylnaphthalene	142	6.474	6.474	0.000	90	227378	10.0	10.1	
46 Hexachlorocyclopentadiene	237	6.531	6.531	0.000	97	77892	10.0	8.68	
47 1,2,4,5-Tetrachlorobenzene	216	6.537	6.537	0.000	97	120260	10.0	9.83	
48 2-tertbutyl-4-methylphenol	149	6.569	6.569	0.000	91	152378	10.0	9.78	
49 2,4,6-Trichlorophenol	196	6.643	6.643	0.000	92	75286	10.0	10.1	
50 2,4,5-Trichlorophenol	196	6.675	6.675	0.000	98	85766	10.0	10.0	
$ 51 2-Fluorobiphenyl	172	6.733	6.733	0.000	96	303594	10.0	10.2	
52 1,1'-Biphenyl	154	6.825	6.825	0.000	96	309394	10.0	10.8	
53 2-Chloronaphthalene	162	6.844	6.844	0.000	99	243566	10.0	10.7	
54 Phenyl ether	170	6.927	6.927	0.000	85	169502	10.0	10.3	
55 2-Nitroaniline	65	6.934	6.934	0.000	99	63310	10.0	10.3	
57 1,3-Dimethylnaphthalene	156	7.052	7.052	0.000	91	195215	10.0	11.1	
59 Dimethyl phthalate	163	7.119	7.119	0.000	99	255246	10.0	10.4	
60 Coumarin	146	7.135	7.135	0.000	80	81250	10.0	9.97	
61 2,6-Dinitrotoluene	165	7.170	7.170	0.000	95	53099	10.0	10.9	
62 Acenaphthylene	152	7.234	7.234	0.000	97	352391	10.0	10.3	
63 3-Nitroaniline	138	7.323	7.323	0.000	98	53142	10.0	11.0	
* 64 Acenaphthene-d10	164	7.368	7.368	0.000	94	155056	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.394	7.394	0.000	97	207473	10.0	9.71	
66 Acenaphthene	154	7.400	7.400	0.000	96	214266	10.0	10.6	
67 2,4-Dinitrophenol	184	7.423	7.423	0.000	94	48408	20.0	16.2	
68 4-Nitrophenol	65	7.474	7.474	0.000	89	69109	20.0	20.5	
69 2,4-Dinitrotoluene	165	7.547	7.547	0.000	97	69223	10.0	11.0	
70 Dibenzofuran	168	7.566	7.566	0.000	96	331423	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	7.675	7.675	0.000	92	56902	10.0	9.46	
73 Diethyl phthalate	149	7.793	7.793	0.000	98	239940	10.0	10.4	
75 Fluorene	166	7.889	7.889	0.000	92	255336	10.0	10.3	
74 4-Chlorophenyl phenyl ether	204	7.892	7.892	0.000	89	122286	10.0	9.70	
76 4-Nitroaniline	138	7.902	7.902	0.000	88	50752	10.0	10.8	
77 4,6-Dinitro-2-methylphenol	198	7.930	7.930	0.000	89	64064	20.0	19.6	
78 N-Nitrosodiphenylamine	169	8.004	8.004	0.000	94	185171	10.0	10.9	
131 Azobenzene	77	8.042	8.042	0.000	0	204045	10.0	11.3	
79 1,2-Diphenylhydrazine	77	8.042	8.042	0.000	95	204045	10.0	11.3	
$ 80 2,4,6-Tribromophenol	330	8.113	8.113	0.000	91	44103	10.0	8.98	
81 4-Bromophenyl phenyl ether	248	8.355	8.355	0.000	92	70206	10.0	10.1	
82 Hexachlorobenzene	284	8.403	8.403	0.000	97	86932	10.0	9.83	
83 Atrazine	200	8.512	8.512	0.000	93	27435	4.00	4.40	
84 Pentachlorophenol	266	8.588	8.588	0.000	93	85519	20.0	19.0	
85 Pentachloronitrobenzene	237	8.604	8.604	0.000	90	30841	10.0	9.84	
86 n-Octadecane	57	8.694	8.694	0.000	95	117087	10.0	11.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.774	8.774	0.000	98	267632	8.00	8.00	
88 Phenanthrene	178	8.799	8.799	0.000	97	362240	10.0	10.6	
89 Anthracene	178	8.847	8.847	0.000	98	367082	10.0	10.6	
90 Carbazole	167	8.997	8.997	0.000	96	314143	10.0	10.7	
91 Di-n-butyl phthalate	149	9.345	9.345	0.000	99	354502	10.0	11.2	
92 Fluoranthene	202	9.926	9.926	0.000	97	347820	10.0	10.3	
93 Benzidine	184	10.057	10.057	0.000	99	166584	10.0	9.92	
94 Pyrene	202	10.140	10.140	0.000	96	353275	10.0	10.2	
95 Bisphenol-A	213	10.207	10.207	0.000	98	88317	10.0	6.84	
$ 96 Terphenyl-d14	244	10.303	10.303	0.000	98	269893	10.0	9.58	
97 Butyl benzyl phthalate	149	10.823	10.823	0.000	95	123957	10.0	11.2	
98 2,3,7,8-TCDD	320	10.897	10.897	0.000	85	402	0.1000	0.0734	
99 Carbamazepine	193	10.922	10.922	0.000	91	112020	10.0	18.6	
100 3,3'-Dichlorobenzidine	252	11.401	11.401	0.000	99	130966	10.0	12.5	
101 Benzo[a]anthracene	228	11.424	11.424	0.000	98	292688	10.0	10.0	
* 102 Chrysene-d12	240	11.436	11.436	0.000	99	194966	8.00	8.00	
104 Chrysene	228	11.465	11.465	0.000	97	302731	10.0	10.7	
103 Bis(2-ethylhexyl) phthalate	149	11.507	11.507	0.000	85	185764	10.0	11.4	
105 Di-n-octyl phthalate	149	12.375	12.375	0.000	96	290359	10.0	8.62	
106 Benzo[b]fluoranthene	252	12.829	12.829	0.000	97	365691	10.0	9.14	
107 Benzo[k]fluoranthene	252	12.870	12.870	0.000	98	420557	10.0	10.4	
108 Benzo[a]pyrene	252	13.289	13.289	0.000	97	403470	10.0	10.5	
* 109 Perylene-d12	264	13.369	13.369	0.000	100	293996	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.981	14.981	0.000	98	448906	10.0	9.49	
111 Dibenz(a,h)anthracene	278	15.033	15.033	0.000	99	500253	10.0	10.0	
112 Benzo[g,h,i]perylene	276	15.439	15.439	0.000	97	525203	10.0	9.55	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SV_BNAL7_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 06-Feb-2023 09:22:19 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230205-156379.b\N41496a.d

Injection Date: 05-Feb-2023 14:52:30 Instrument ID: CBNAMS14 Operator ID:

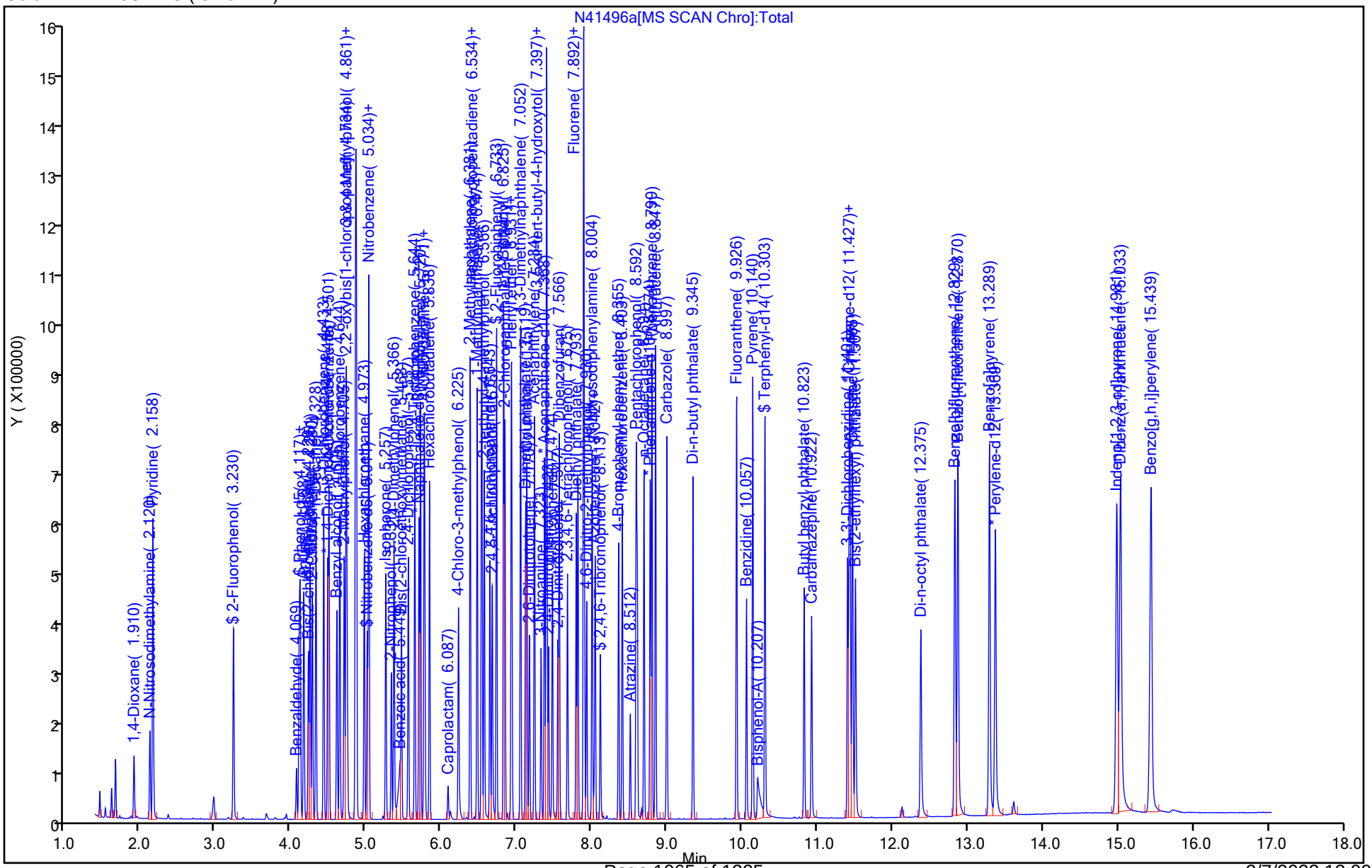
Lims ID: CCVIS Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-887783/11 Calibration Date: 01/12/2023 13:26

Instrument ID: CBNAMS16 Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 01/12/2023 13:05

Lab File ID: A22158.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5993	0.5341		8910	10000	-10.9	30.0
N-Nitrosodimethylamine	Ave	0.8707	0.7740		8890	10000	-11.1	30.0
Pyridine	Lin2		1.085		16200	20000	-19.1	30.0
Benzaldehyde	Ave	1.126	1.131	0.0100	4020	4000	0.5	30.0
Phenol	Ave	1.599	1.611	0.8000	10100	10000	0.8	30.0
Aniline	Ave	2.015	2.030		10100	10000	0.7	30.0
Bis(2-chloroethyl)ether	Ave	1.338	1.322	0.7000	9880	10000	-1.2	30.0
2-Chlorophenol	Ave	1.365	1.332	0.8000	9760	10000	-2.4	30.0
n-Decane	Ave	1.546	1.609		10400	10000	4.0	30.0
1,3-Dichlorobenzene	Ave	1.543	1.474		9550	10000	-4.5	30.0
1,4-Dichlorobenzene	Ave	1.578	1.514		9590	10000	-4.1	30.0
Benzyl alcohol	Ave	0.7276	0.8070		11100	10000	10.9	30.0
1,2-Dichlorobenzene	Ave	1.452	1.423	0.0100	9800	10000	-2.0	30.0
2-Methylphenol	Ave	1.124	1.154	0.7000	10300	10000	2.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.835	2.138	0.0100	11700	10000	16.5	30.0
N-Methylaniline	Ave	2.039	2.078		10200	10000	1.9	30.0
3 & 4 Methylphenol	Ave	1.343	1.356		10100	10000	1.0	30.0
4-Methylphenol	Ave	1.319	1.325	0.6000	10000	10000	0.4	30.0
N-Nitrosodi-n-propylamine	Ave	0.9841	1.007	0.5000	10200	10000	2.3	30.0
Acetophenone	Ave	1.874	1.865	0.0100	9950	10000	-0.5	30.0
Hexachloroethane	Ave	0.5587	0.5723	0.3000	10200	10000	2.4	30.0
n,n'-Dimethylaniline	Ave	2.118	2.237		10600	10000	5.6	30.0
Nitrobenzene	Ave	0.6455	0.6769	0.2000	10500	10000	4.9	30.0
Isophorone	Ave	0.6217	0.6470	0.4000	10400	10000	4.1	30.0
2-Nitrophenol	Ave	0.1806	0.1759	0.1000	9740	10000	-2.6	30.0
2,4-Dimethylphenol	Ave	0.2846	0.2866	0.2000	10100	10000	0.7	30.0
Benzoic acid	Lin1		0.1775		9000	10000	-10.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.3919	0.3864	0.3000	9860	10000	-1.4	30.0
2,4-Dichlorophenol	Ave	0.2796	0.2643	0.2000	9450	10000	-5.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3174	0.3057		9630	10000	-3.7	30.0
Naphthalene	Ave	1.013	0.9547	0.7000	9420	10000	-5.8	30.0
4-Chloroaniline	Ave	0.3968	0.3663	0.0100	9230	10000	-7.7	30.0
Hexachlorobutadiene	Ave	0.1955	0.1795	0.0100	9180	10000	-8.2	30.0
Caprolactam	Ave	0.0796	0.0816	0.0100	4100	4000	2.6	30.0
4-Chloro-3-methylphenol	Ave	0.2605	0.2602	0.2000	9990	10000	-0.1	30.0
2-Methylnaphthalene	Ave	0.7127	0.6753	0.4000	9480	10000	-5.2	30.0
1-Methylnaphthalene	Ave	0.6424	0.6278		9770	10000	-2.3	30.0
Hexachlorocyclopentadiene	Ave	0.4281	0.4093	0.0500	9560	10000	-4.4	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5743	0.5663	0.0100	9860	10000	-1.4	30.0
2-tertbutyl-4-methylphenol	Ave	0.4165	0.4255		10200	10000	2.2	30.0
2,4,6-Trichlorophenol	Ave	0.3465	0.3642	0.2000	10500	10000	5.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-887783/11 | Calibration Date: 01/12/2023 13:26

Instrument ID: CBNAMS16 | Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 01/12/2023 13:05

Lab File ID: A22158.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3711	0.3811	0.2000	10300	10000	2.7	30.0
1,1'-Biphenyl	Ave	1.453	1.506	0.0100	10400	10000	3.7	30.0
2-Chloronaphthalene	Ave	1.081	1.133	0.8000	10500	10000	4.8	30.0
Phenyl ether	Ave	0.7913	0.8205		10400	10000	3.7	30.0
2-Nitroaniline	Ave	0.3033	0.3409	0.0100	11200	10000	12.4	30.0
1,3-Dimethylnaphthalene	Ave	0.8948	0.9727		10900	10000	8.7	30.0
Dimethyl phthalate	Ave	1.166	1.160	0.0100	9950	10000	-0.5	30.0
Coumarin	Ave	0.2201	0.2174		9880	10000	-1.2	30.0
2,6-Dinitrotoluene	Ave	0.2655	0.2867	0.2000	10800	10000	8.0	30.0
Acenaphthylene	Ave	1.711	1.665	0.9000	9730	10000	-2.7	30.0
3-Nitroaniline	Ave	0.2763	0.2919	0.0100	10600	10000	5.7	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.075	1.065		9900	10000	-1.0	30.0
Acenaphthene	Ave	1.042	1.063	0.9000	10200	10000	2.0	30.0
2,4-Dinitrophenol	Ave	0.1663	0.1710	0.0100	20600	20000	2.8	30.0
4-Nitrophenol	Ave	0.2174	0.2166	0.0100	19900	20000	-0.4	30.0
2,4-Dinitrotoluene	Ave	0.3567	0.3683	0.2000	10300	10000	3.2	30.0
Dibenzofuran	Ave	1.611	1.573	0.8000	9770	10000	-2.3	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3178	0.3019	0.0100	9500	10000	-5.0	30.0
Diethyl phthalate	Ave	1.223	1.154	0.0100	9430	10000	-5.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.6407	0.6179	0.4000	9650	10000	-3.5	30.0
Fluorene	Ave	1.318	1.262	0.9000	9570	10000	-4.3	30.0
4-Nitroaniline	Ave	0.2840	0.2851	0.0100	10000	10000	0.4	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1297	0.1366	0.0100	21100	20000	5.4	30.0
N-Nitrosodiphenylamine	Ave	0.5430	0.5594	0.0100	10300	10000	3.0	30.0
1,2-Diphenylhydrazine	Ave	0.7491	0.8534		11400	10000	13.9	30.0
Azobenzene	Ave	0.7489	0.8534		11400	10000	14.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2169	0.2203	0.1000	10200	10000	1.6	30.0
Hexachlorobenzene	Ave	0.2506	0.2421	0.1000	9660	10000	-3.4	30.0
Atrazine	Ave	0.1858	0.1967	0.0100	4240	4000	5.9	30.0
Pentachlorophenol	Ave	0.1341	0.1355	0.0500	20200	20000	1.0	30.0
Pentachloronitrobenzene	Ave	0.0959	0.0990	0.0100	10300	10000	3.2	30.0
n-Octadecane	Ave	0.4611	0.4669		10100	10000	1.2	30.0
Phenanthrene	Ave	1.052	1.054	0.7000	10000	10000	0.2	30.0
Anthracene	Ave	1.056	1.078	0.7000	10200	10000	2.1	30.0
Carbazole	Ave	0.9021	0.9104	0.0100	10100	10000	0.9	30.0
Di-n-butyl phthalate	Ave	1.051	1.058	0.0100	10100	10000	0.6	30.0
Fluoranthene	Ave	1.037	1.078	0.6000	10400	10000	3.9	30.0
Benzidine	Ave	0.5212	0.5330		10200	10000	2.3	30.0
Pyrene	Ave	1.488	1.440	0.6000	9680	10000	-3.2	30.0
Bisphenol-A	Lin1		0.5375		9130	10000	-8.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-887783/11 Calibration Date: 01/12/2023 13:26

Instrument ID: CBNAMS16 Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 01/12/2023 13:05

Lab File ID: A22158.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5529	0.5575	0.0100	10100	10000	0.8	30.0
Carbamazepine	Lin1		0.4979		9060	10000	-9.4	30.0
3,3'-Dichlorobenzidine	Ave	0.4265	0.4915	0.0100	11500	10000	15.2	30.0
Benzo[a]anthracene	Ave	1.248	1.226	0.8000	9820	10000	-1.8	30.0
Chrysene	Ave	1.204	1.198	0.7000	9950	10000	-0.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7388	0.7702	0.0100	10400	10000	4.3	30.0
Di-n-octyl phthalate	Lin2		1.173	0.0100	7760	10000	-22.4	30.0
Benzo[b]fluoranthene	Ave	1.119	1.180		10500	10000	5.5	30.0
Benzo[k]fluoranthene	Ave	1.204	1.274	0.7000	10600	10000	5.8	30.0
Benzo[a]pyrene	Ave	1.093	1.233	0.7000	11300	10000	12.7	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9805	1.099	0.5000	11200	10000	12.1	30.0
Dibenz(a,h)anthracene	Ave	1.082	1.142	0.4000	10600	10000	5.5	30.0
Benzo[g,h,i]perylene	Ave	1.177	0.8553	0.5000	7260	10000	-27.4	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 12-Jan-2023 13:26:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-011
Operator ID: Instrument ID: CBNAMS16
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 14:06:09 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 14:06:29

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.974	1.974	0.000	97	208000	10.0	8.91	
2	N-Nitrosodimethylamine	74	2.197	2.201	-0.004	83	301398	10.0	8.89	
3	Pyridine	79	2.236	2.239	-0.003	90	844840	20.0	16.2	
5	Benzaldehyde	77	4.181	4.184	-0.003	93	176208	4.00	4.02	E
7	Phenol	94	4.245	4.248	-0.003	98	627558	10.0	10.1	
8	Aniline	93	4.280	4.284	-0.004	99	790398	10.0	10.1	
9	Bis(2-chloroethyl)ether	93	4.334	4.338	-0.004	96	514945	10.0	9.88	
10	Benzonitrile	103	4.360	4.363	-0.003	99	1113019	NC	NC	
11	2-Chlorophenol	128	4.395	4.399	-0.004	93	518762	10.0	9.76	
12	n-Decane	43	4.427	4.427	0.000	93	626397	10.0	10.4	
13	1,3-Dichlorobenzene	146	4.542	4.542	0.000	94	573851	10.0	9.55	
* 14	1,4-Dichlorobenzene-d4	152	4.593	4.597	-0.004	97	311541	8.00	8.00	
15	1,4-Dichlorobenzene	146	4.609	4.613	-0.004	93	589605	10.0	9.59	
17	Benzyl alcohol	108	4.718	4.722	-0.004	91	314263	10.0	11.1	
18	1,2-Dichlorobenzene	146	4.753	4.757	-0.004	94	554108	10.0	9.80	
19	2-Methylphenol	108	4.824	4.824	0.000	89	449218	10.0	10.3	
20	2,2'-oxybis[1-chloropropane]	45	4.846	4.849	-0.003	93	832570	10.0	11.7	a
21	N-Methylaniline	106	4.964	4.968	-0.004	87	809197	10.0	10.2	a
24	3 & 4 Methylphenol	108	4.968	4.971	-0.003	0	528253	10.0	10.1	
25	4-Methylphenol	108	4.968	4.971	-0.003	81	515801	10.0	10.0	
23	N-Nitrosodi-n-propylamine	70	4.971	4.971	0.000	89	392209	10.0	10.2	
22	Acetophenone	105	4.974	4.977	-0.003	92	726276	10.0	9.95	
26	Hexachloroethane	117	5.076	5.080	-0.004	94	222879	10.0	10.2	
29	n,n'-Dimethylaniline	120	5.137	5.140	-0.003	93	871259	10.0	10.6	
28	Nitrobenzene	123	5.140	5.144	-0.004	90	263620	10.0	10.5	
30	Isophorone	82	5.361	5.364	-0.003	99	1015371	10.0	10.4	
31	2-Nitrophenol	139	5.441	5.441	0.000	87	276069	10.0	9.74	
33	2,4-Dimethylphenol	122	5.476	5.479	-0.003	91	449787	10.0	10.1	
35	Benzoic acid	122	5.559	5.559	0.000	90	278626	10.0	9.00	M
34	Bis(2-chloroethoxy)methane	93	5.566	5.569	-0.003	99	606394	10.0	9.86	
36	2,4-Dichlorophenol	162	5.668	5.671	-0.003	94	414741	10.0	9.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.748	5.751	-0.003	94	479802	10.0	9.63	
* 38 Naphthalene-d8	136	5.806	5.809	-0.003	99	1255502	8.00	8.00	
39 Naphthalene	128	5.825	5.828	-0.003	99	1498268	10.0	9.42	
40 4-Chloroaniline	127	5.876	5.879	-0.003	96	574803	10.0	9.23	
41 2,6-Dichlorophenol	162	5.882	5.885	-0.003	97	393342	10.0	8.97	
43 Hexachlorobutadiene	225	5.940	5.940	0.000	96	281700	10.0	9.18	
44 Caprolactam	113	6.193	6.196	-0.003	91	51247	4.00	4.10	M
45 4-Chloro-3-methylphenol	107	6.336	6.339	-0.003	96	408381	10.0	9.99	
46 2-Methylnaphthalene	142	6.480	6.483	-0.003	86	1059840	10.0	9.48	
47 1-Methylnaphthalene	142	6.576	6.579	-0.003	94	985199	10.0	9.77	
48 Hexachlorocyclopentadiene	237	6.631	6.630	0.001	97	341510	10.0	9.56	
49 1,2,4,5-Tetrachlorobenzene	216	6.640	6.643	-0.003	97	472548	10.0	9.86	
50 2-tertbutyl-4-methylphenol	149	6.666	6.669	-0.003	92	667708	10.0	10.2	
51 2,4,6-Trichlorophenol	196	6.749	6.752	-0.003	89	303900	10.0	10.5	
52 2,4,5-Trichlorophenol	196	6.785	6.787	-0.003	96	318010	10.0	10.3	
54 1,1'-Biphenyl	154	6.922	6.925	-0.003	95	1256916	10.0	10.4	
55 2-Chloronaphthalene	162	6.945	6.947	-0.002	97	945700	10.0	10.5	
56 Phenyl ether	170	7.025	7.027	-0.002	88	684617	10.0	10.4	
57 2-Nitroaniline	65	7.044	7.047	-0.003	96	284490	10.0	11.2	
58 1,3-Dimethylnaphthalene	156	7.149	7.152	-0.003	93	811694	10.0	10.9	
59 Dimethyl phthalate	163	7.213	7.216	-0.003	99	968189	10.0	9.95	
60 Coumarin	146	7.239	7.242	-0.003	80	341236	10.0	9.88	
61 2,6-Dinitrotoluene	165	7.271	7.274	-0.003	95	239219	10.0	10.8	
62 Acenaphthylene	152	7.338	7.341	-0.003	97	1389162	10.0	9.73	
63 3-Nitroaniline	138	7.431	7.434	-0.003	93	243591	10.0	10.6	
* 64 Acenaphthene-d10	164	7.469	7.472	-0.003	95	667546	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.482	7.485	-0.003	98	888712	10.0	9.90	
66 Acenaphthene	154	7.502	7.504	-0.002	95	886958	10.0	10.2	
67 2,4-Dinitrophenol	184	7.530	7.533	-0.003	95	285434	20.0	20.6	
68 4-Nitrophenol	65	7.594	7.597	-0.003	91	361453	20.0	19.9	
69 2,4-Dinitrotoluene	165	7.652	7.655	-0.003	96	307295	10.0	10.3	
70 Dibenzofuran	168	7.665	7.668	-0.003	96	1312919	10.0	9.77	
71 2,3,4,6-Tetrachlorophenol	232	7.780	7.783	-0.003	94	251936	10.0	9.50	
72 Diethyl phthalate	149	7.879	7.885	-0.006	98	962570	10.0	9.43	
74 4-Chlorophenyl phenyl ether	204	7.988	7.991	-0.003	92	515622	10.0	9.65	
73 Fluorene	166	7.988	7.991	-0.003	95	1052879	10.0	9.57	
75 4-Nitroaniline	138	8.011	8.013	-0.003	92	237905	10.0	10.0	
76 4,6-Dinitro-2-methylphenol	198	8.036	8.039	-0.003	89	357149	20.0	21.1	
78 N-Nitrosodiphenylamine	169	8.100	8.103	-0.003	69	730976	10.0	10.3	
79 1,2-Diphenylhydrazine	77	8.139	8.141	-0.002	51	1115265	10.0	11.4	
144 Azobenzene	77	8.139	8.141	-0.002	0	1115259	10.0	11.4	
81 4-Bromophenyl phenyl ether	248	8.449	8.451	-0.002	92	287941	10.0	10.2	
82 Hexachlorobenzene	284	8.506	8.509	-0.003	96	316407	10.0	9.66	
83 Atrazine	200	8.602	8.605	-0.003	94	102842	4.00	4.24	
84 Pentachlorophenol	266	8.695	8.698	-0.003	94	354140	20.0	20.2	
85 Pentachloronitrobenzene	237	8.705	8.707	-0.002	89	129382	10.0	10.3	
87 n-Octadecane	57	8.766	8.768	-0.002	95	610142	10.0	10.1	
* 88 Phenanthrene-d10	188	8.875	8.877	-0.003	99	1045458	8.00	8.00	
89 Phenanthrene	178	8.897	8.900	-0.003	97	1377080	10.0	10.0	
90 Anthracene	178	8.945	8.951	-0.006	99	1408973	10.0	10.2	
91 Carbazole	167	9.099	9.104	-0.005	96	1189677	10.0	10.1	
92 Di-n-butyl phthalate	149	9.425	9.430	-0.005	100	1382680	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	10.022	10.025	-0.003	98	1408175	10.0	10.4	
94 Benzidine	184	10.153	10.156	-0.003	99	696472	10.0	10.2	
95 Pyrene	202	10.240	10.242	-0.002	97	1407814	10.0	9.68	
96 Bisphenol-A	213	10.301	10.300	0.001	98	525447	10.0	9.13	
98 Butyl benzyl phthalate	149	10.909	10.911	-0.002	98	544970	10.0	10.1	
100 Carbamazepine	193	11.027	11.030	-0.003	92	486713	10.0	9.06	
101 3,3'-Dichlorobenzidine	252	11.513	11.516	-0.003	99	480450	10.0	11.5	
102 Benzo[a]anthracene	228	11.536	11.538	-0.002	98	1198587	10.0	9.82	
* 103 Chrysene-d12	240	11.545	11.551	-0.006	99	782066	8.00	8.00	
104 Chrysene	228	11.578	11.583	-0.005	99	1171172	10.0	9.95	
105 Bis(2-ethylhexyl) phthalate	149	11.581	11.583	-0.002	89	752940	10.0	10.4	
106 Di-n-octyl phthalate	149	12.451	12.457	-0.006	97	1148951	10.0	7.76	
107 Benzo[b]fluoranthene	252	12.960	12.965	-0.005	98	1156337	10.0	10.5	
108 Benzo[k]fluoranthene	252	12.998	13.004	-0.006	99	1248301	10.0	10.6	
109 Benzo[a]pyrene	252	13.427	13.433	-0.006	97	1207726	10.0	11.3	
* 110 Perylene-d12	264	13.510	13.516	-0.006	99	783879	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.161	15.168	-0.007	99	1076822	10.0	11.2	
112 Dibenz(a,h)anthracene	278	15.210	15.213	-0.003	98	1118726	10.0	10.6	
113 Benzo[g,h,i]perylene	276	15.636	15.646	-0.010	98	838020	10.0	7.26	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_ICV_ LVI_00009 Amount Added: 1.00 Units: mL

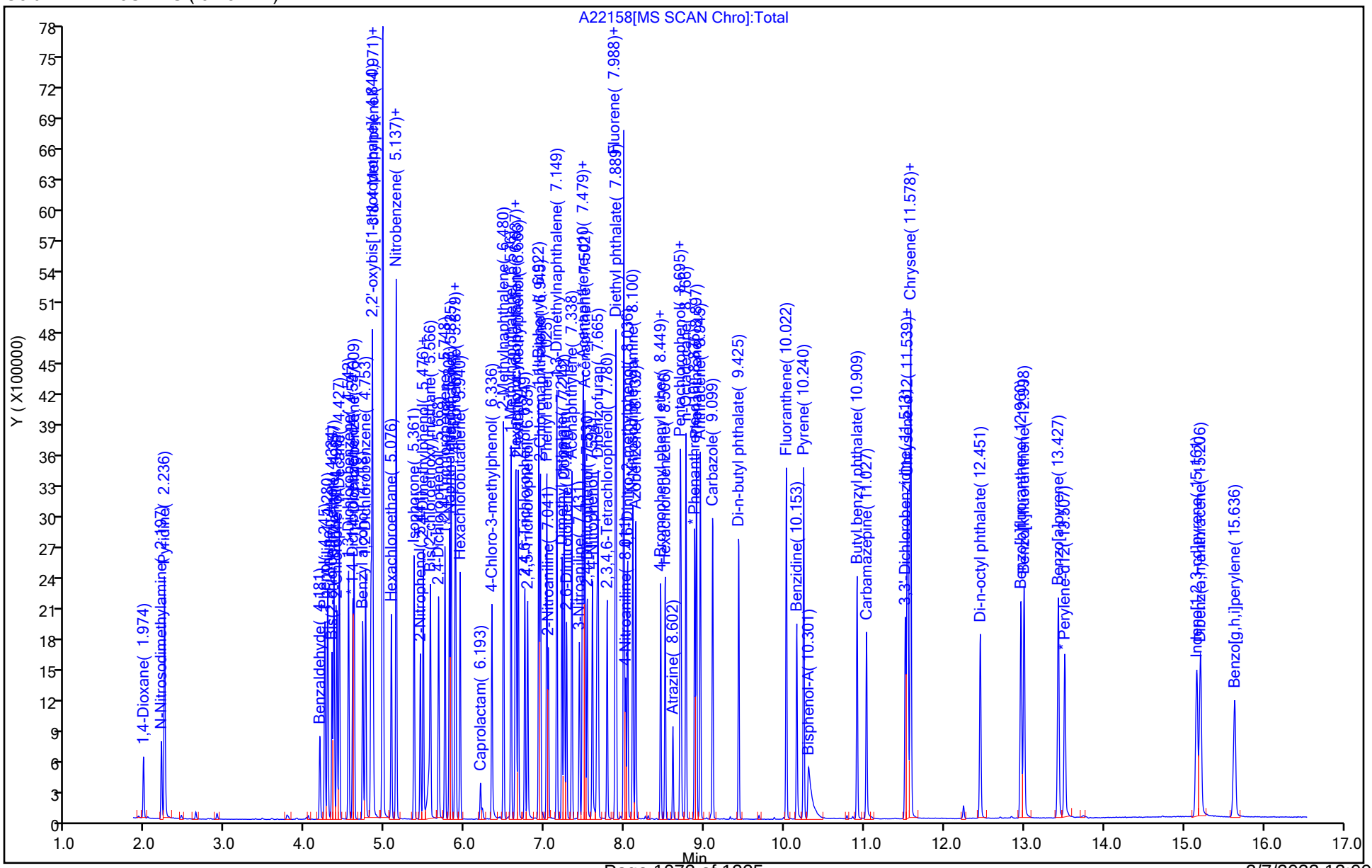
Report Date: 12-Jan-2023 14:06:31 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D

Injection Date:	12-Jan-2023 13:26:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

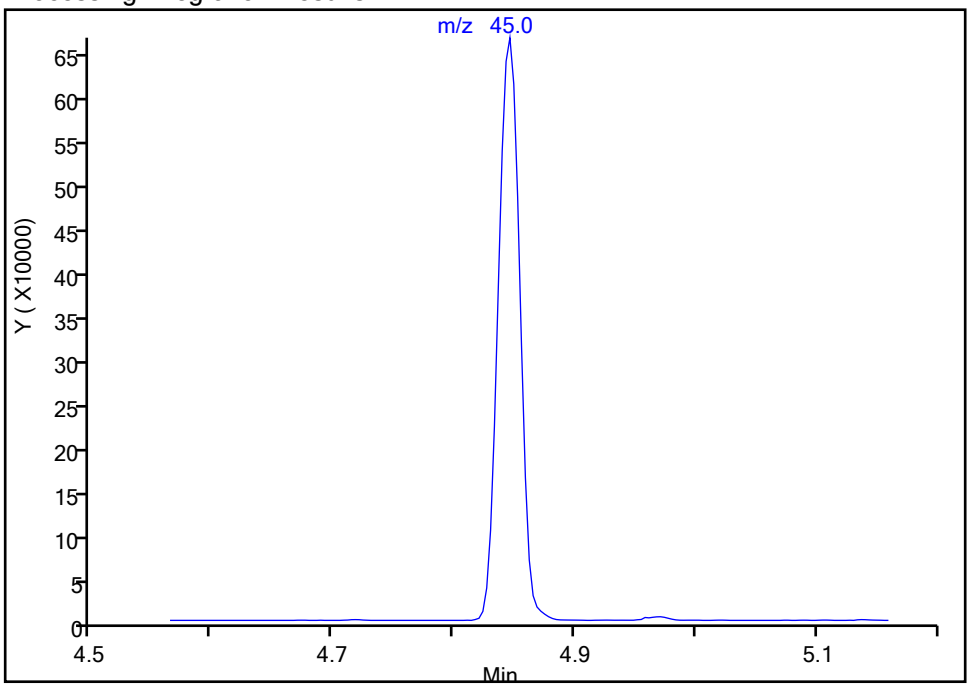
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D
Injection Date: 12-Jan-2023 13:26:30 Instrument ID: CBNAMS16
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

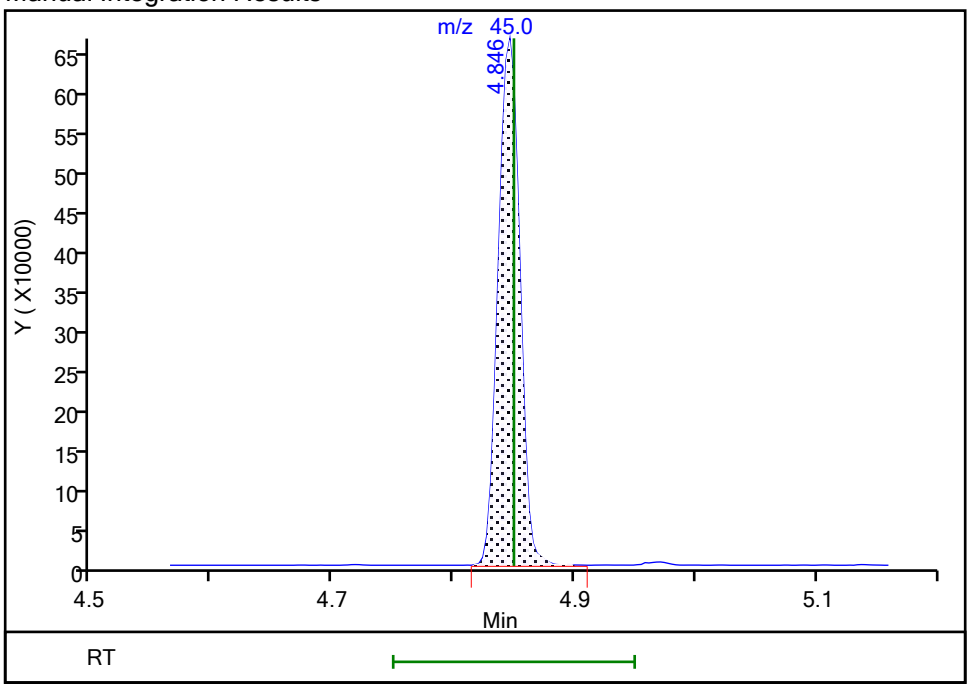
Not Detected
Expected RT: 4.85

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 832570
Amount: 11.650668
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:45:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

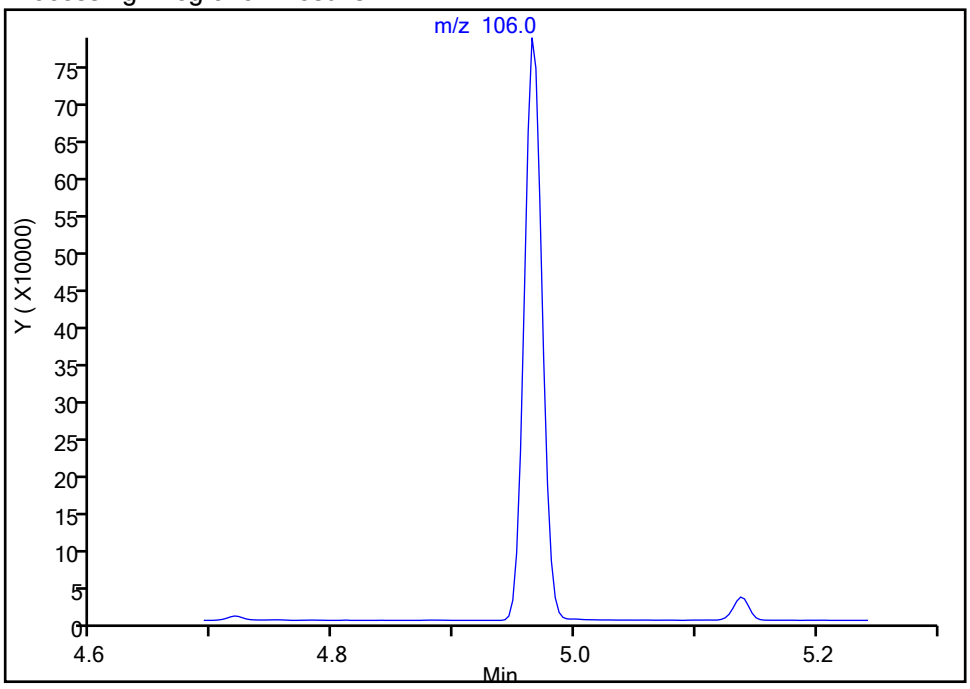
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D
Injection Date: 12-Jan-2023 13:26:30 Instrument ID: CBNAMS16
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Methylaniline, CAS: 100-61-8

Signal: 1

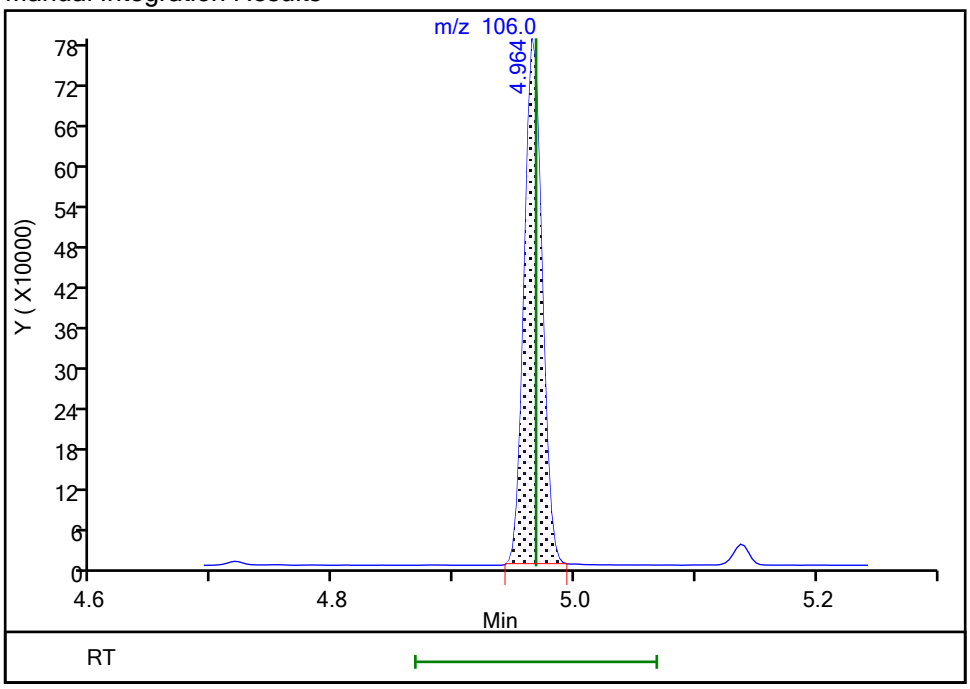
Not Detected
Expected RT: 4.97

Processing Integration Results



Manual Integration Results

RT: 4.96
Area: 809197
Amount: 10.190327
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:46:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

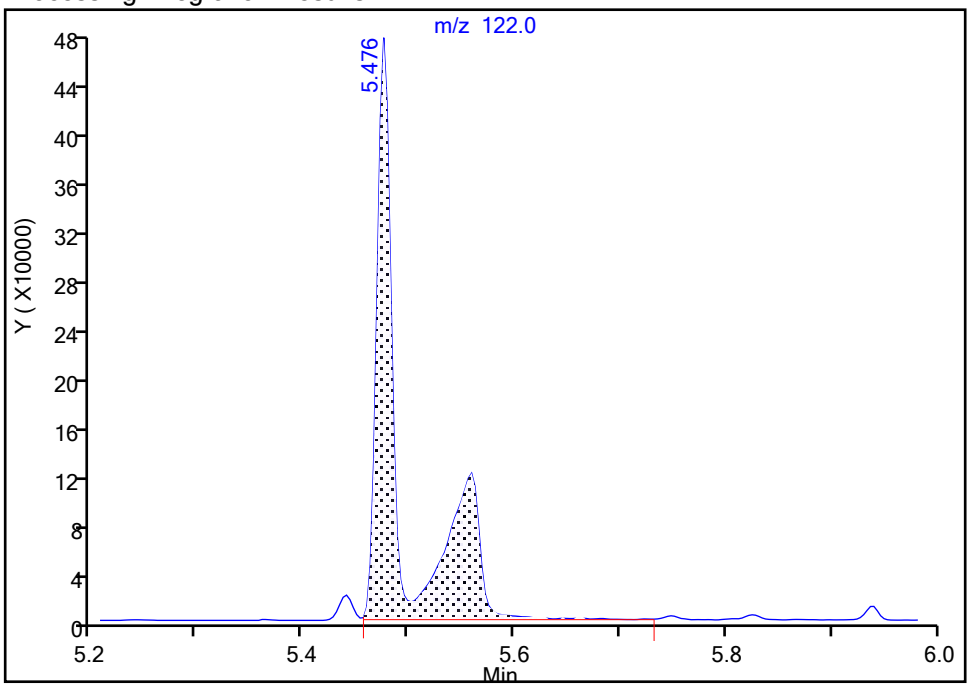
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D
Injection Date: 12-Jan-2023 13:26:30 Instrument ID: CBNAMS16
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

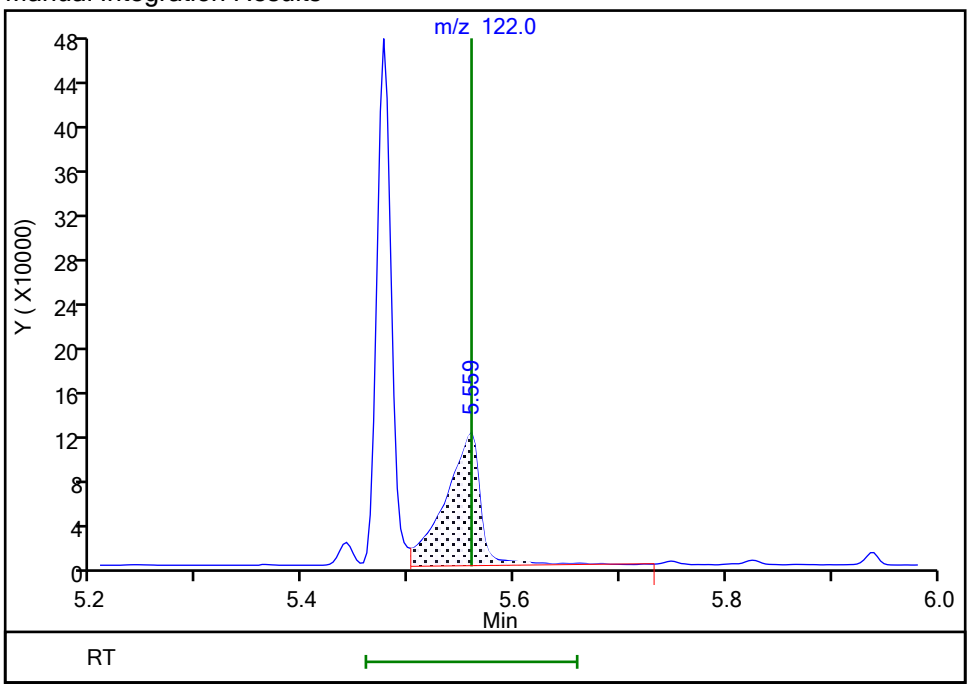
Processing Integration Results

RT: 5.48
Area: 726671
Amount: 22.405331
Amount Units: ug/ml



Manual Integration Results

RT: 5.56
Area: 278626
Amount: 9.000734
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:47:37
Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins Edison

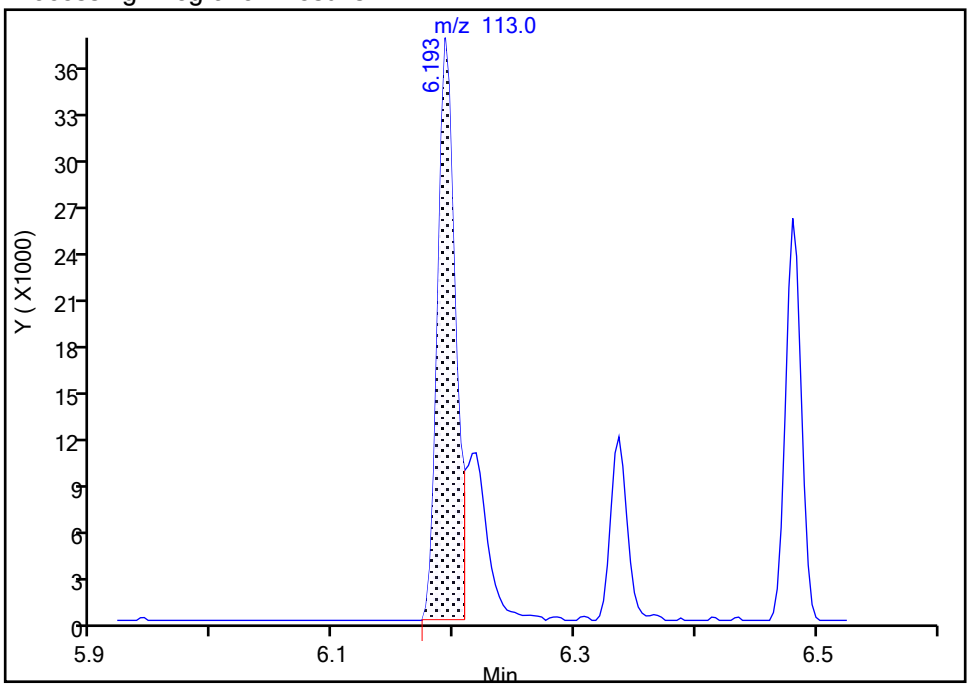
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22158.D
Injection Date: 12-Jan-2023 13:26:30 Instrument ID: CBNAMS16
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

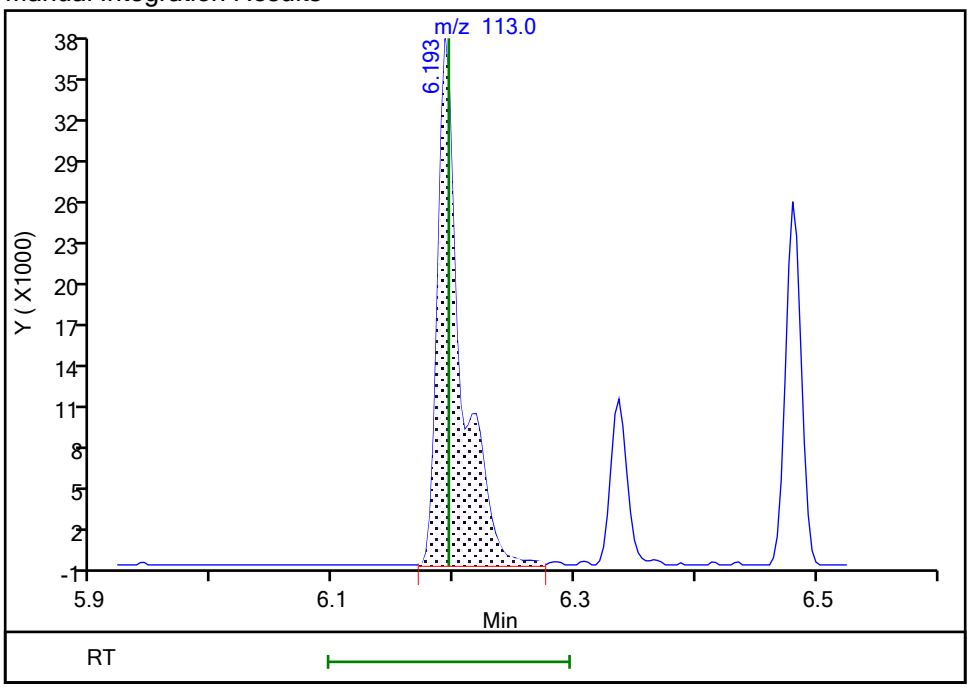
Processing Integration Results

RT: 6.19
Area: 38630
Amount: 3.092427
Amount Units: ug/ml



Manual Integration Results

RT: 6.19
Area: 51247
Amount: 4.102449
Amount Units: ug/ml



Reviewer: G4KC, 12-Jan-2023 13:46:12
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891390/2 Calibration Date: 02/03/2023 23:04

Instrument ID: CBNAMS16 Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 01/12/2023 13:05

Lab File ID: A22741.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5993	0.5656		9440	10000	-5.6	20.0
N-Nitrosodimethylamine	Ave	0.8707	0.8643		9930	10000	-0.7	20.0
Pyridine	Lin2		1.235		18400	20000	-8.0	20.0
Benzaldehyde	Ave	1.126	0.5714	0.0100	2030	4000	-49.2*	20.0
Phenol	Ave	1.599	1.652	0.8000	10300	10000	3.3	20.0
Aniline	Ave	2.015	1.958		9720	10000	-2.8	20.0
Bis(2-chloroethyl)ether	Ave	1.338	1.299	0.7000	9710	10000	-2.9	20.0
2-Chlorophenol	Ave	1.365	1.361	0.8000	9970	10000	-0.3	20.0
n-Decane	Ave	1.546	1.644		10600	10000	6.4	20.0
1,3-Dichlorobenzene	Ave	1.543	1.534		9940	10000	-0.6	20.0
1,4-Dichlorobenzene	Ave	1.578	1.550		9820	10000	-1.8	20.0
Benzyl alcohol	Ave	0.7276	0.6395		8790	10000	-12.1	20.0
1,2-Dichlorobenzene	Ave	1.452	1.485		10200	10000	2.3	20.0
2-Methylphenol	Ave	1.124	1.163	0.7000	10300	10000	3.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.835	1.979	0.0100	10800	10000	7.9	20.0
N-Methylaniline	Ave	2.039	2.087		10200	10000	2.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.9841	0.999	0.5000	10200	10000	1.6	20.0
3 & 4 Methylphenol	Ave	1.343	1.363		10100	10000	1.5	20.0
4-Methylphenol	Ave	1.319	1.353	0.6000	10300	10000	2.5	20.0
Acetophenone	Ave	1.874	1.860	0.0100	9930	10000	-0.7	20.0
Hexachloroethane	Ave	0.5587	0.5593	0.3000	10000	10000	0.1	20.0
n,n'-Dimethylaniline	Ave	2.118	2.195		10400	10000	3.6	20.0
Nitrobenzene	Ave	0.6455	0.6690	0.2000	10400	10000	3.6	20.0
Isophorone	Ave	0.6217	0.6331	0.4000	10200	10000	1.8	20.0
2-Nitrophenol	Ave	0.1806	0.1903	0.1000	10500	10000	5.4	20.0
2,4-Dimethylphenol	Ave	0.2846	0.2918	0.2000	10300	10000	2.5	20.0
Benzoic acid	Lin1		0.1815		9180	10000	-8.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.3919	0.3915	0.3000	9990	10000	-0.0	20.0
2,4-Dichlorophenol	Ave	0.2796	0.2867	0.2000	10300	10000	2.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3174	0.3232		10200	10000	1.8	20.0
Naphthalene	Ave	1.013	1.017	0.7000	10000	10000	0.4	20.0
4-Chloroaniline	Ave	0.3968	0.3822	0.0100	9630	10000	-3.7	20.0
Hexachlorobutadiene	Ave	0.1955	0.1817	0.0100	9290	10000	-7.1	20.0
Caprolactam	Ave	0.0796	0.0927	0.0100	4660	4000	16.4	20.0
4-Chloro-3-methylphenol	Ave	0.2605	0.2652	0.2000	10200	10000	1.8	20.0
2-Methylnaphthalene	Ave	0.7127	0.6999	0.4000	9820	10000	-1.8	20.0
1-Methylnaphthalene	Ave	0.6424	0.6559		10200	10000	2.1	20.0
Hexachlorocyclopentadiene	Ave	0.4281	0.4224	0.0500	9870	10000	-1.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5743	0.6020	0.0100	10500	10000	4.8	20.0
2-tertbutyl-4-methylphenol	Ave	0.4165	0.4184		10000	10000	0.5	20.0
2,4,6-Trichlorophenol	Ave	0.3465	0.3855	0.2000	11100	10000	11.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891390/2 Calibration Date: 02/03/2023 23:04

Instrument ID: CBNAMS16 Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 01/12/2023 13:05

Lab File ID: A22741.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3711	0.3996	0.2000	10800	10000	7.7	20.0
1,1'-Biphenyl	Ave	1.453	1.571	0.0100	10800	10000	8.1	20.0
2-Chloronaphthalene	Ave	1.081	1.166	0.8000	10800	10000	7.8	20.0
Phenyl ether	Ave	0.7913	0.8409		10600	10000	6.3	20.0
2-Nitroaniline	Ave	0.3033	0.3429	0.0100	11300	10000	13.1	20.0
1,3-Dimethylnaphthalene	Ave	0.8948	1.002		11200	10000	11.9	20.0
Dimethyl phthalate	Ave	1.166	1.231	0.0100	10600	10000	5.6	20.0
Coumarin	Ave	0.2201	0.2336		10600	10000	6.1	20.0
2,6-Dinitrotoluene	Ave	0.2655	0.3032	0.2000	11400	10000	14.2	20.0
Acenaphthylene	Ave	1.711	1.752	0.9000	10200	10000	2.4	20.0
3-Nitroaniline	Ave	0.2763	0.2998	0.0100	10900	10000	8.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.075	1.076		10000	10000	0.0	20.0
Acenaphthene	Ave	1.042	1.099	0.9000	10600	10000	5.5	20.0
2,4-Dinitrophenol	Ave	0.1663	0.2035	0.0100	24500	20000	22.4*	20.0
4-Nitrophenol	Ave	0.2174	0.2226	0.0100	20500	20000	2.4	20.0
2,4-Dinitrotoluene	Ave	0.3567	0.4084	0.2000	11400	10000	14.5	20.0
Dibenzofuran	Ave	1.611	1.687	0.8000	10500	10000	4.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3178	0.3360	0.0100	10600	10000	5.7	20.0
Diethyl phthalate	Ave	1.223	1.183	0.0100	9670	10000	-3.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6407	0.6363	0.4000	9930	10000	-0.7	20.0
Fluorene	Ave	1.318	1.347	0.9000	10200	10000	2.2	20.0
4-Nitroaniline	Ave	0.2840	0.3010	0.0100	10600	10000	6.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1297	0.1438	0.0100	22200	20000	10.9	20.0
N-Nitrosodiphenylamine	Ave	0.5430	0.5388	0.0100	9920	10000	-0.8	20.0
1,2-Diphenylhydrazine	Ave	0.7491	0.7333		9790	10000	-2.1	20.0
Azobenzene	Ave	0.7489	0.7339		9800	10000	-2.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2169	0.2118	0.1000	9760	10000	-2.4	20.0
Hexachlorobenzene	Ave	0.2506	0.2354	0.1000	9390	10000	-6.1	20.0
Atrazine	Ave	0.1858	0.2065	0.0100	4450	4000	11.2	20.0
Pentachlorophenol	Ave	0.1341	0.1436	0.0500	21400	20000	7.1	20.0
Pentachloronitrobenzene	Ave	0.0959	0.0986	0.0100	10300	10000	2.8	20.0
n-Octadecane	Ave	0.4611	0.4422		9590	10000	-4.1	20.0
Phenanthrene	Ave	1.052	1.088	0.7000	10300	10000	3.4	20.0
Anthracene	Ave	1.056	1.107	0.7000	10500	10000	4.9	20.0
Carbazole	Ave	0.9021	0.9779	0.0100	10800	10000	8.4	20.0
Di-n-butyl phthalate	Ave	1.051	1.072	0.0100	10200	10000	1.9	20.0
Fluoranthene	Ave	1.037	1.163	0.6000	11200	10000	12.1	20.0
Benzidine	Ave	0.5212	0.4167		7990	10000	-20.1*	20.0
Pyrene	Ave	1.488	1.462	0.6000	9830	10000	-1.7	20.0
Bisphenol-A	Lin1		0.3660		6390	10000	-36.1*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891390/2 Calibration Date: 02/03/2023 23:04

Instrument ID: CBNAMS16 Calib Start Date: 01/12/2023 10:16

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 01/12/2023 13:05

Lab File ID: A22741.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5529	0.5465	0.0100	9880	10000	-1.2	20.0
2,3,7,8-TCDD	Ave	0.1583	0.1969		124	100	24.4*	20.0
Carbamazepine	Lin1		0.4694		8590	10000	-14.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4265	0.4792	0.0100	11200	10000	12.4	20.0
Benzo[a]anthracene	Ave	1.248	1.280	0.8000	10300	10000	2.6	20.0
Chrysene	Ave	1.204	1.257	0.7000	10400	10000	4.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7388	0.7740	0.0100	10500	10000	4.8	20.0
Di-n-octyl phthalate	Lin2		1.258	0.0100	8290	10000	-17.1	20.0
Benzo[b]fluoranthene	Ave	1.119	1.229		11000	10000	9.9	20.0
Benzo[k]fluoranthene	Ave	1.204	1.328	0.7000	11000	10000	10.3	20.0
Benzo[a]pyrene	Ave	1.093	1.224	0.7000	11200	10000	12.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9805	1.189	0.5000	12100	10000	21.3*	20.0
Dibenz(a,h)anthracene	Ave	1.082	1.219	0.4000	11300	10000	12.7	20.0
Benzo[g,h,i]perylene	Ave	1.177	1.271	0.5000	10800	10000	7.9	20.0
2-Fluorophenol (Surr)	Ave	1.293	1.289		9970	10000	-0.3	20.0
Phenol-d5 (Surr)	Ave	1.567	1.653		10600	10000	5.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3610	0.3805		10500	10000	5.4	20.0
2-Fluorobiphenyl	Ave	1.405	1.454		10400	10000	3.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1867	0.1997		10700	10000	7.0	20.0
Terphenyl-d14 (Surr)	Ave	1.201	1.151		9590	10000	-4.1	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Feb-2023 23:04:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-002
Operator ID: Instrument ID: CBNAMS16
Sublist: chrom-8270LVI_16*sub36

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:19:57 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: maheseep Date: 06-Feb-2023 09:19:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.932	1.932	0.000	96	221286	10.0	9.44	
2 N-Nitrosodimethylamine	74	2.156	2.156	0.000	84	338121	10.0	9.93	
3 Pyridine	79	2.194	2.194	0.000	90	966085	20.0	18.4	
$ 4 2-Fluorophenol	112	3.303	3.303	0.000	94	504464	10.0	9.97	
5 Benzaldehyde	77	4.131	4.131	0.000	96	89416	4.00	2.03	
$ 6 Phenol-d5	99	4.185	4.185	0.000	0	646851	10.0	10.6	
7 Phenol	94	4.198	4.198	0.000	99	646213	10.0	10.3	
8 Aniline	93	4.230	4.230	0.000	99	765839	10.0	9.72	
9 Bis(2-chloroethyl)ether	93	4.287	4.287	0.000	95	508260	10.0	9.71	
10 Benzonitrile	103	4.310	4.310	0.000	98	1069679	NC	NC	
11 2-Chlorophenol	128	4.345	4.345	0.000	95	532428	10.0	9.97	
12 n-Decane	43	4.374	4.374	0.000	94	643234	10.0	10.6	
13 1,3-Dichlorobenzene	146	4.492	4.492	0.000	95	600010	10.0	9.94	
* 14 1,4-Dichlorobenzene-d4	152	4.543	4.543	0.000	96	312975	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.559	4.559	0.000	95	606523	10.0	9.82	
17 Benzyl alcohol	108	4.671	4.671	0.000	94	250194	10.0	8.79	
18 1,2-Dichlorobenzene	146	4.703	4.703	0.000	95	580931	10.0	10.2	
19 2-Methylphenol	108	4.777	4.777	0.000	91	454964	10.0	10.3	
20 2,2'-oxybis[1-chloropropane]	45	4.796	4.796	0.000	93	774295	10.0	10.8	a
21 N-Methylaniline	106	4.917	4.917	0.000	87	816451	10.0	10.2	
23 N-Nitrosodi-n-propylamine	70	4.921	4.921	0.000	78	390985	10.0	10.2	
24 3 & 4 Methylphenol	108	4.924	4.924	0.000	0	533268	10.0	10.1	
25 4-Methylphenol	108	4.924	4.924	0.000	80	529145	10.0	10.3	
22 Acetophenone	105	4.927	4.927	0.000	91	727861	10.0	9.93	
26 Hexachloroethane	117	5.026	5.026	0.000	93	218827	10.0	10.0	
$ 27 Nitrobenzene-d5	82	5.071	5.071	0.000	88	572548	10.0	10.5	
29 n,n'-Dimethylaniline	120	5.090	5.090	0.000	94	858735	10.0	10.4	
28 Nitrobenzene	123	5.090	5.090	0.000	91	261742	10.0	10.4	
30 Isophorone	82	5.314	5.314	0.000	99	952631	10.0	10.2	
31 2-Nitrophenol	139	5.391	5.391	0.000	92	286335	10.0	10.5	
33 2,4-Dimethylphenol	122	5.432	5.432	0.000	91	439032	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.516	5.516	0.000	88	273042	10.0	9.18	M
34 Bis(2-chloroethoxy)methane	93	5.519	5.519	0.000	99	589145	10.0	10.0	
36 2,4-Dichlorophenol	162	5.624	5.624	0.000	95	431398	10.0	10.3	
37 1,2,4-Trichlorobenzene	180	5.701	5.701	0.000	94	486390	10.0	10.2	
* 38 Naphthalene-d8	136	5.756	5.756	0.000	99	1203765	8.00	8.00	
39 Naphthalene	128	5.775	5.775	0.000	99	1530601	10.0	10.0	
40 4-Chloroaniline	127	5.829	5.829	0.000	96	575136	10.0	9.63	
41 2,6-Dichlorophenol	162	5.836	5.836	0.000	95	423274	10.0	10.1	
43 Hexachlorobutadiene	225	5.890	5.890	0.000	96	273418	10.0	9.29	
44 Caprolactam	113	6.149	6.149	0.000	91	55788	4.00	4.66	M
45 4-Chloro-3-methylphenol	107	6.293	6.293	0.000	95	399073	10.0	10.2	
46 2-Methylnaphthalene	142	6.434	6.434	0.000	86	1053204	10.0	9.82	
47 1-Methylnaphthalene	142	6.526	6.526	0.000	94	986930	10.0	10.2	
48 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	96	341359	10.0	9.87	
49 1,2,4,5-Tetrachlorobenzene	216	6.591	6.591	0.000	98	486518	10.0	10.5	
50 2-tertbutyl-4-methylphenol	149	6.623	6.623	0.000	92	629615	10.0	10.0	
51 2,4,6-Trichlorophenol	196	6.703	6.703	0.000	92	311570	10.0	11.1	
52 2,4,5-Trichlorophenol	196	6.738	6.738	0.000	98	322929	10.0	10.8	
$ 53 2-Fluorobiphenyl	172	6.783	6.783	0.000	98	1175398	10.0	10.4	
54 1,1'-Biphenyl	154	6.876	6.876	0.000	95	1269667	10.0	10.8	
55 2-Chloronaphthalene	162	6.898	6.898	0.000	98	942136	10.0	10.8	
56 Phenyl ether	170	6.978	6.978	0.000	86	679559	10.0	10.6	
57 2-Nitroaniline	65	6.997	6.997	0.000	96	277125	10.0	11.3	
58 1,3-Dimethylnaphthalene	156	7.103	7.103	0.000	93	809468	10.0	11.2	
59 Dimethyl phthalate	163	7.167	7.167	0.000	99	994757	10.0	10.6	
60 Coumarin	146	7.192	7.192	0.000	79	351501	10.0	10.6	
61 2,6-Dinitrotoluene	165	7.228	7.228	0.000	96	245043	10.0	11.4	
62 Acenaphthylene	152	7.289	7.289	0.000	97	1415744	10.0	10.2	
63 3-Nitroaniline	138	7.388	7.388	0.000	95	242301	10.0	10.9	
* 64 Acenaphthene-d10	164	7.423	7.423	0.000	96	646523	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.436	7.436	0.000	97	869255	10.0	10.0	
66 Acenaphthene	154	7.455	7.455	0.000	94	888306	10.0	10.6	
67 2,4-Dinitrophenol	184	7.487	7.487	0.000	96	328908	20.0	24.5	
68 4-Nitrophenol	65	7.554	7.554	0.000	92	359733	20.0	20.5	M
69 2,4-Dinitrotoluene	165	7.605	7.605	0.000	96	330063	10.0	11.4	
70 Dibenzofuran	168	7.618	7.618	0.000	97	1363329	10.0	10.5	
71 2,3,4,6-Tetrachlorophenol	232	7.733	7.733	0.000	95	271552	10.0	10.6	
72 Diethyl phthalate	149	7.836	7.836	0.000	99	956154	10.0	9.67	
74 4-Chlorophenyl phenyl ether	204	7.942	7.942	0.000	88	514224	10.0	9.93	
73 Fluorene	166	7.942	7.942	0.000	95	1088551	10.0	10.2	
75 4-Nitroaniline	138	7.967	7.967	0.000	91	243271	10.0	10.6	
76 4,6-Dinitro-2-methylphenol	198	7.993	7.993	0.000	88	405345	20.0	22.2	
78 N-Nitrosodiphenylamine	169	8.054	8.054	0.000	68	759431	10.0	9.92	
79 1,2-Diphenylhydrazine	77	8.092	8.092	0.000	51	1033552	10.0	9.79	
144 Azobenzene	77	8.092	8.092	0.000	0	1034339	10.0	9.80	
$ 80 2,4,6-Tribromophenol	330	8.169	8.169	0.000	95	161389	10.0	10.7	
81 4-Bromophenyl phenyl ether	248	8.403	8.403	0.000	90	298541	10.0	9.76	
82 Hexachlorobenzene	284	8.457	8.457	0.000	97	331738	10.0	9.39	
83 Atrazine	200	8.559	8.559	0.000	94	116443	4.00	4.45	
84 Pentachlorophenol	266	8.649	8.649	0.000	94	404693	20.0	21.4	
85 Pentachloronitrobenzene	237	8.659	8.659	0.000	89	138946	10.0	10.3	
87 n-Octadecane	57	8.720	8.720	0.000	96	623237	10.0	9.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.828	8.828	0.000	99	1127524	8.00	8.00	
89 Phenanthrene	178	8.851	8.851	0.000	97	1533340	10.0	10.3	
90 Anthracene	178	8.899	8.899	0.000	99	1560867	10.0	10.5	
91 Carbazole	167	9.056	9.056	0.000	96	1378264	10.0	10.8	
92 Di-n-butyl phthalate	149	9.382	9.382	0.000	100	1510312	10.0	10.2	
93 Fluoranthene	202	9.977	9.977	0.000	98	1638923	10.0	11.2	
94 Benzidine	184	10.108	10.108	0.000	99	587233	10.0	7.99	
95 Pyrene	202	10.194	10.194	0.000	97	1638413	10.0	9.83	
96 Bisphenol-A	213	10.281	10.281	0.000	98	410200	10.0	6.39	
$ 97 Terphenyl-d14	244	10.345	10.345	0.000	98	1290149	10.0	9.59	
98 Butyl benzyl phthalate	149	10.860	10.860	0.000	98	612426	10.0	9.88	
99 2,3,7,8-TCDD	320	10.950	10.950	0.000	90	2207	0.1000	0.1244	
100 Carbamazepine	193	10.976	10.976	0.000	92	526082	10.0	8.59	
101 3,3'-Dichlorobenzidine	252	11.459	11.459	0.000	99	537050	10.0	11.2	
102 Benzo[a]anthracene	228	11.478	11.478	0.000	98	1435003	10.0	10.3	
* 103 Chrysene-d12	240	11.491	11.491	0.000	99	896560	8.00	8.00	
104 Chrysene	228	11.523	11.523	0.000	99	1408991	10.0	10.4	
105 Bis(2-ethylhexyl) phthalate	149	11.526	11.526	0.000	89	867449	10.0	10.5	
106 Di-n-octyl phthalate	149	12.390	12.390	0.000	97	1408762	10.0	8.29	
107 Benzo[b]fluoranthene	252	12.893	12.893	0.000	98	1376752	10.0	11.0	
108 Benzo[k]fluoranthene	252	12.931	12.931	0.000	99	1487290	10.0	11.0	
109 Benzo[a]pyrene	252	13.357	13.357	0.000	97	1371009	10.0	11.2	
* 110 Perylene-d12	264	13.437	13.437	0.000	99	895974	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.070	15.070	0.000	99	1331860	10.0	12.1	
112 Dibenz(a,h)anthracene	278	15.115	15.115	0.000	98	1365357	10.0	11.3	
113 Benzo[g,h,i]perylene	276	15.535	15.535	0.000	98	1423051	10.0	10.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00007 Amount Added: 1.00 Units: mL

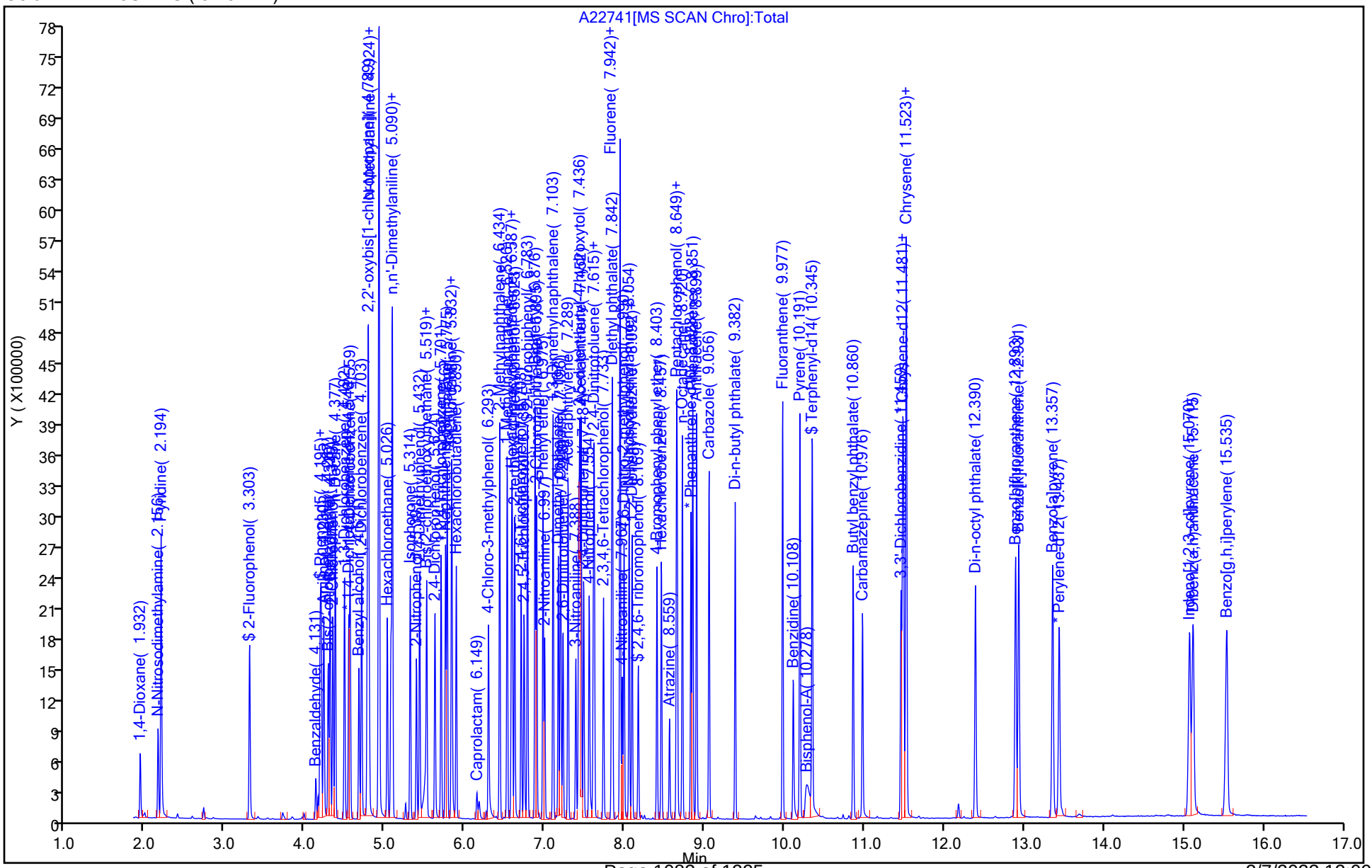
Report Date: 06-Feb-2023 09:19:59 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D

Injection Date:	03-Feb-2023 23:04:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

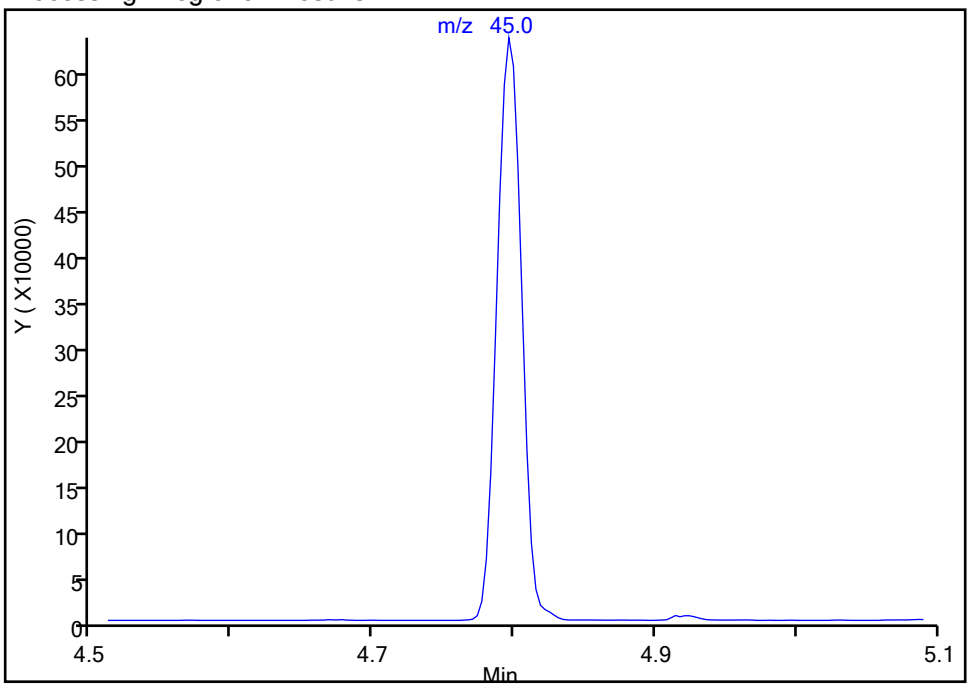
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D
Injection Date: 03-Feb-2023 23:04:30 Instrument ID: CBNAMS16
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

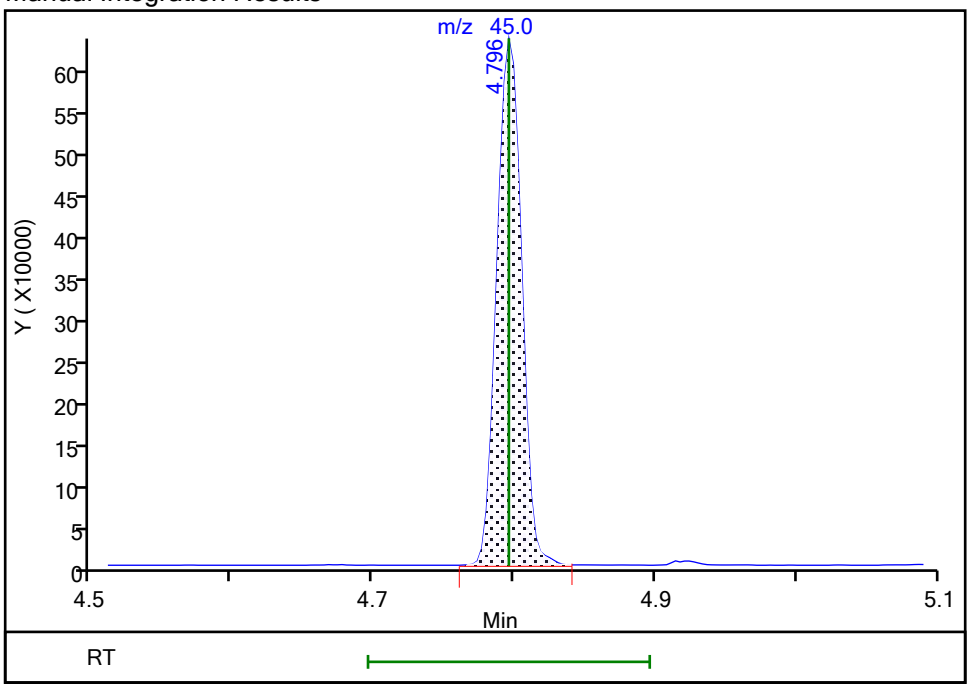
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 774295
Amount: 10.785545
Amount Units: ug/ml



Reviewer: U6BX, 03-Feb-2023 23:24:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

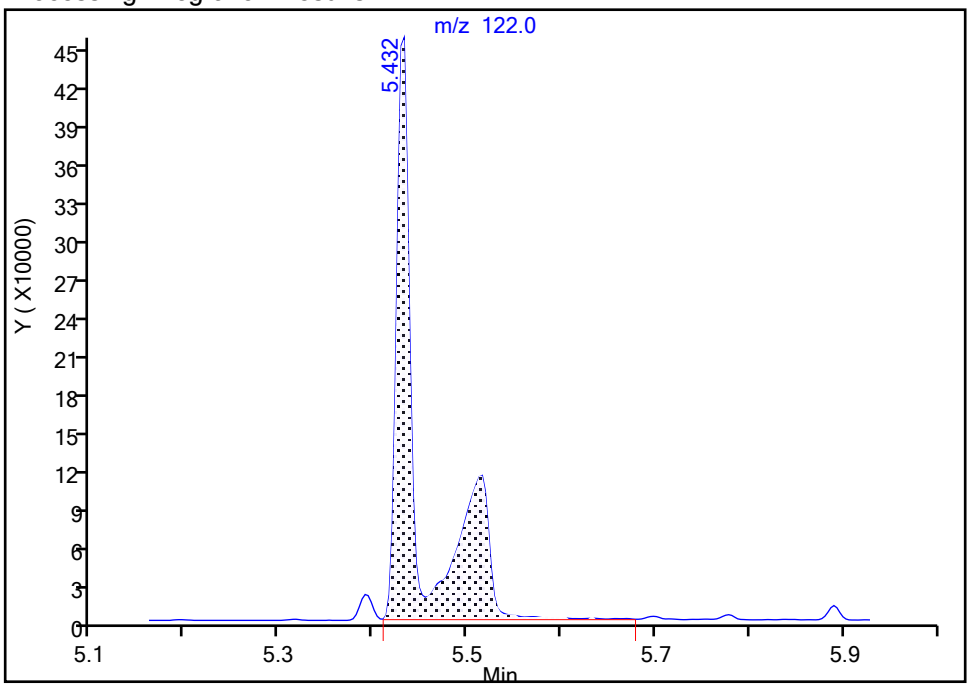
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D
Injection Date: 03-Feb-2023 23:04:30 Instrument ID: CBNAMS16
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

35 Benzoic acid, CAS: 65-85-0

Signal: 1

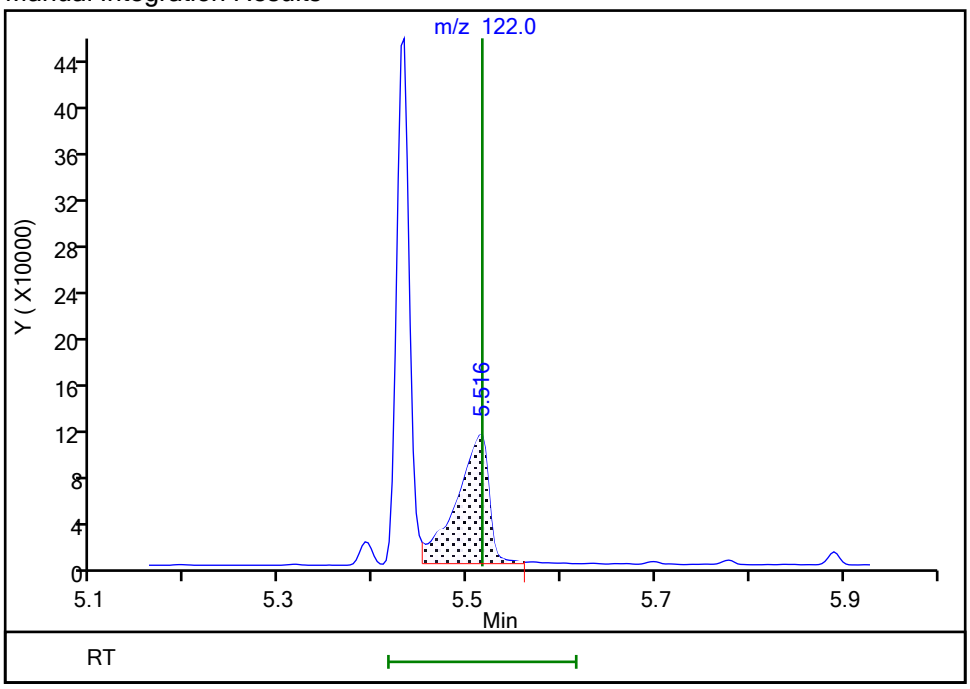
Processing Integration Results

RT: 5.43
Area: 726867
Amount: 23.345840
Amount Units: ug/ml



Manual Integration Results

RT: 5.52
Area: 273042
Amount: 9.184764
Amount Units: ug/ml



Reviewer: U6BX, 03-Feb-2023 23:25:17
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

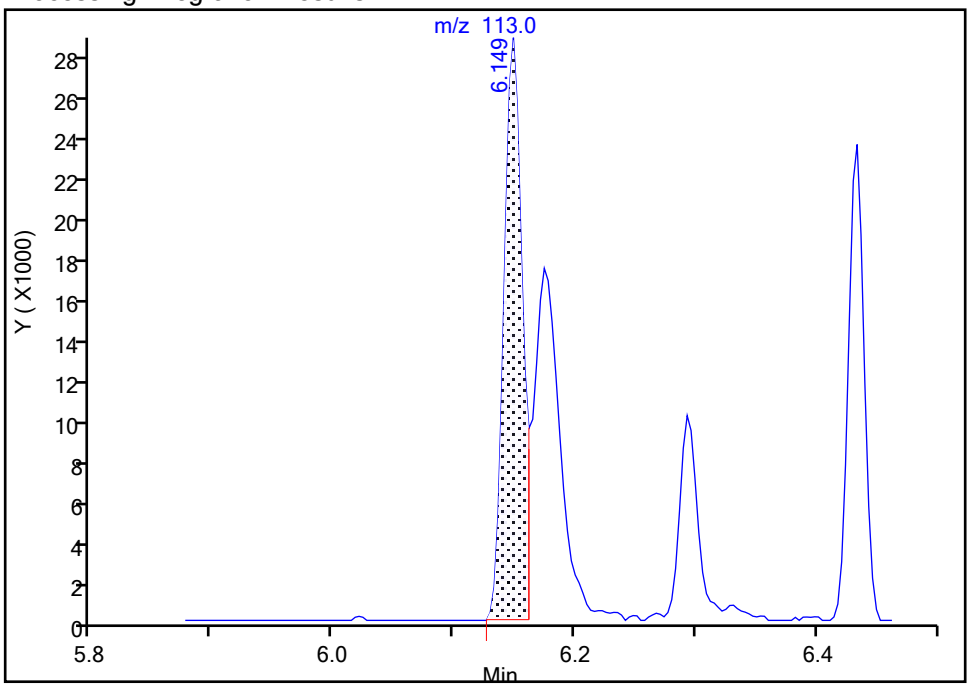
Data File:	\\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D				
Injection Date:	03-Feb-2023 23:04:30	Instrument ID:	CBNAMS16		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 Caprolactam, CAS: 105-60-2

Signal: 1

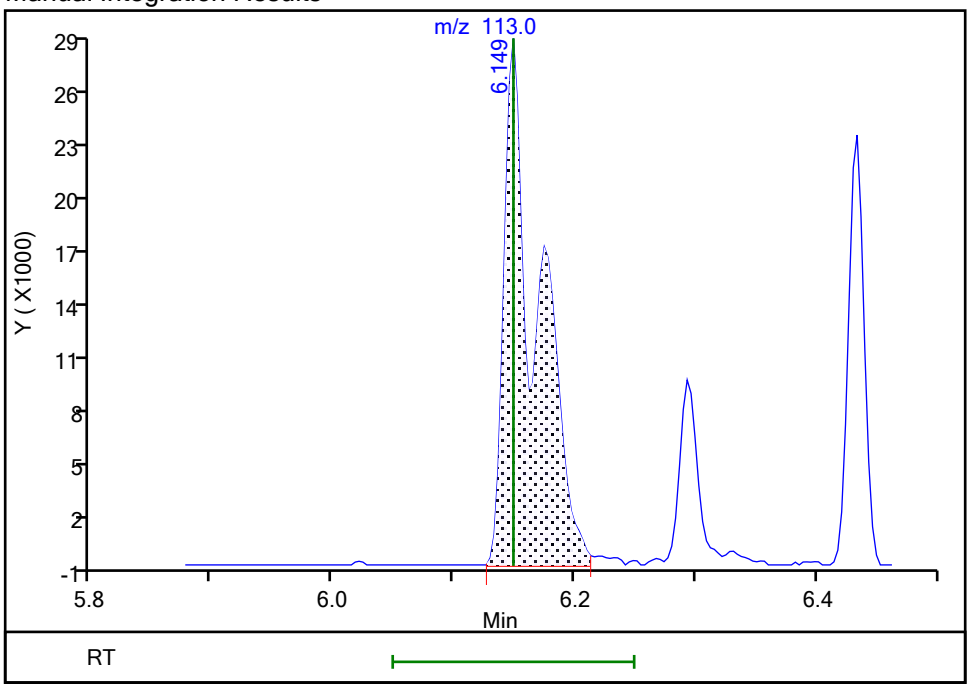
Processing Integration Results

RT: 6.15
Area: 30803
Amount: 2.571837
Amount Units: ug/ml



Manual Integration Results

RT: 6.15
Area: 55788
Amount: 4.657911
Amount Units: ug/ml



Reviewer: maheseep, 06-Feb-2023 09:19:16

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

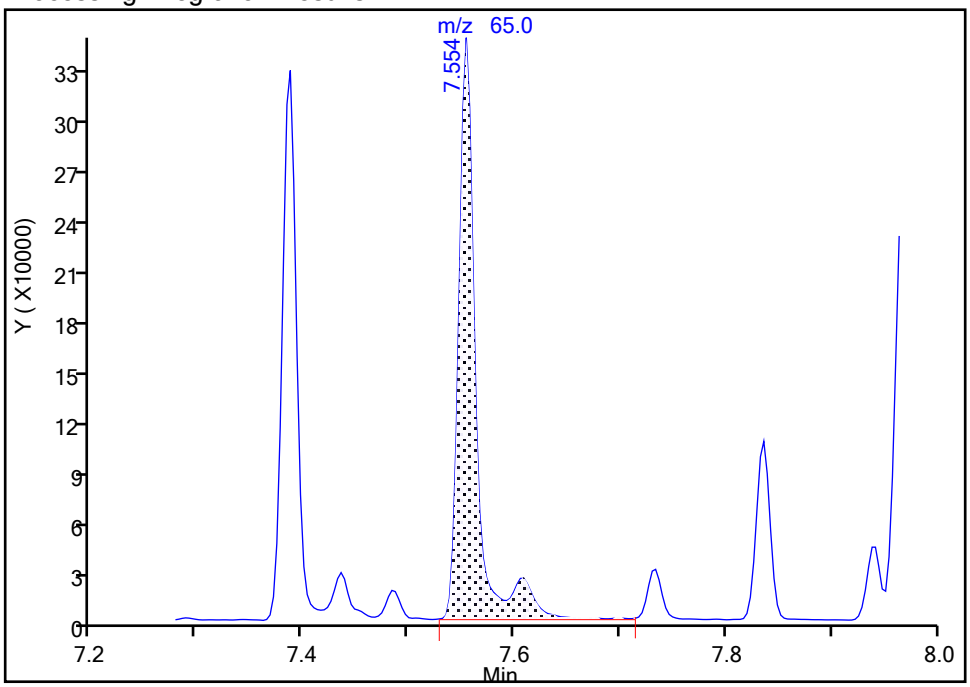
Data File:	\\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22741.D				
Injection Date:	03-Feb-2023 23:04:30	Instrument ID:	CBNAMS16		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

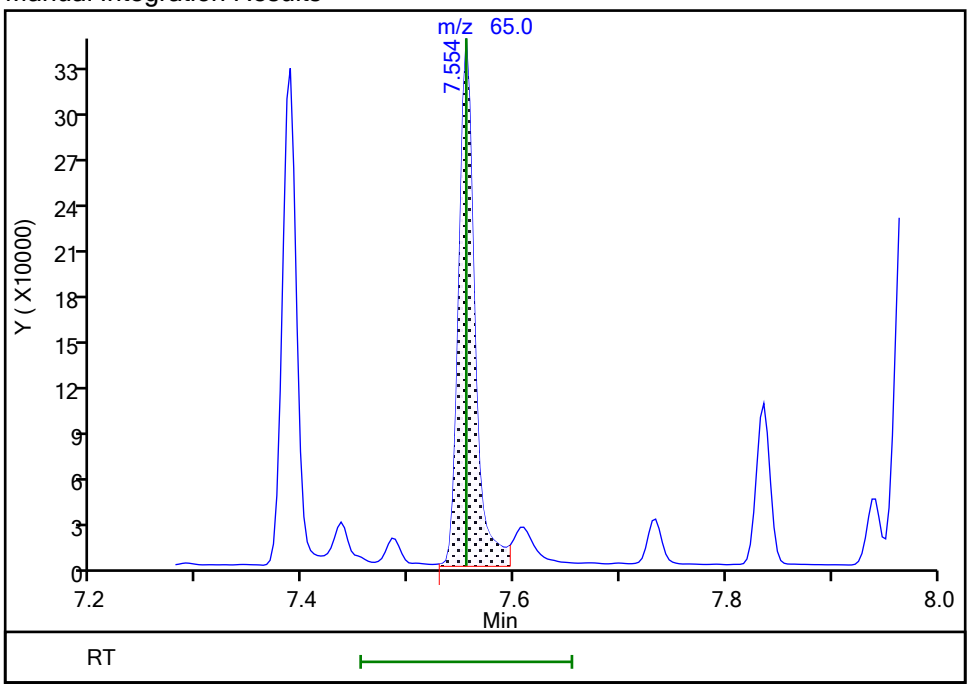
Processing Integration Results

RT: 7.55
Area: 399245
Amount: 22.727057
Amount Units: ug/ml



Manual Integration Results

RT: 7.55
Area: 359733
Amount: 20.477833
Amount Units: ug/ml



Reviewer: maheseep, 06-Feb-2023 09:19:35

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 02-Feb-2023 15:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156256-001
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 03-Feb-2023 13:53:19 Calib Date: 02-Feb-2023 18:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41483.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: LKI7 Date: 02-Feb-2023 16:03:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.634	4.634	0.000	92	120796	NR	NR	
56 Benzidine_T	184	5.876	5.876	0.000	99	760159	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	6.289	6.289	0.000	64	732		NR	
127 4,4'-DDT	235	6.532	6.532	0.000	98	328992	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

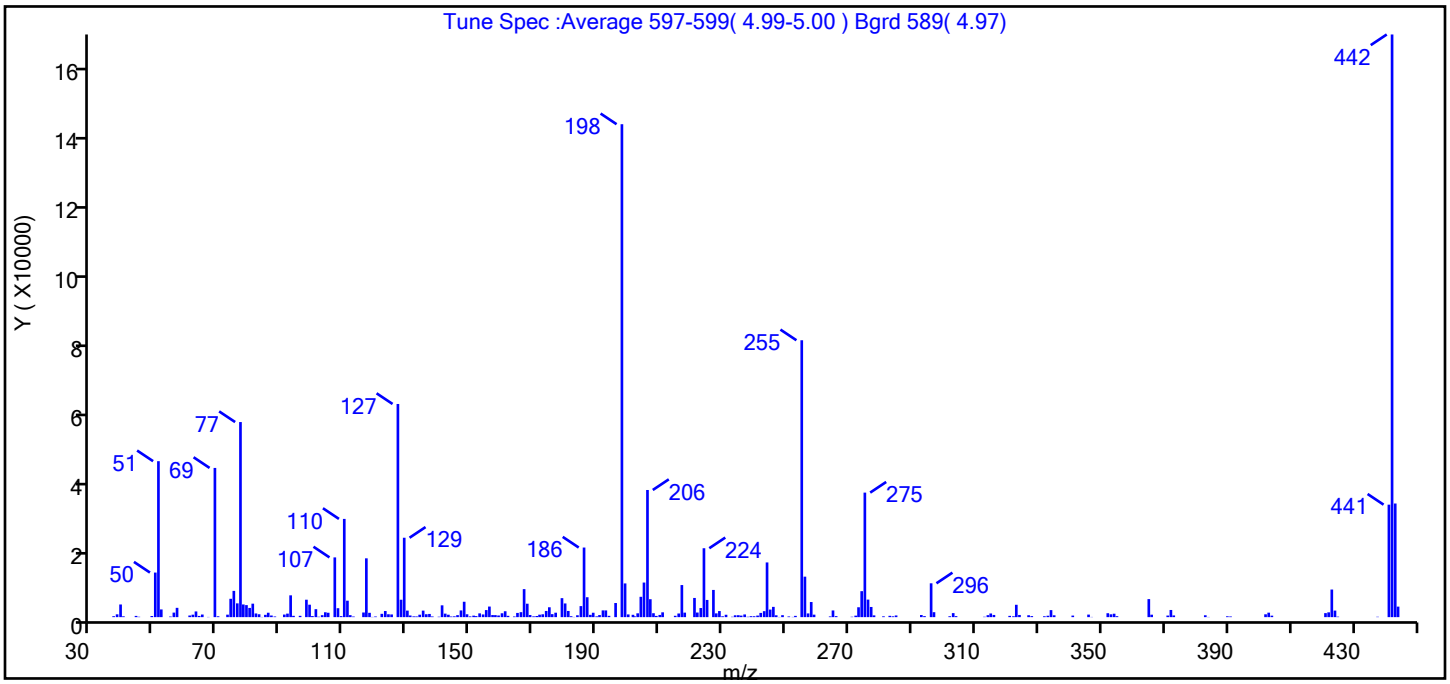
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d
Injection Date: 02-Feb-2023 15:17:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	30.3
70	<2% of m/z 69	0.2 (0.6)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.8
365	>1% of m/z 198	3.7
441	<150% of m/z 443	22.8 (99.0)
442	Present	118.2
443	15-24% of m/z 442	23.1 (19.5)

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d\8270LVI_14.rslt\spectra.d
Injection Date: 02-Feb-2023 15:17:30
Spectrum: Tune Spec :Average 597-599(4.99-5.00) Bgrd 589(4.97)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	263	122.00	919	189.00	1223	271.00	109
38.00	780	123.00	1696	190.00	206	272.00	412
39.00	3515	124.00	799	191.00	575	273.00	2743
40.00	228	125.00	748	192.00	1875	274.00	7209
41.00	5	127.00	59144	193.00	1864	275.00	34552
44.00	343	128.00	4830	194.00	366	276.00	4867
45.00	103	129.00	22032	196.00	3918	277.00	2821
49.00	312	130.00	1812	198.00	136768	278.00	488
50.00	12369	131.00	459	199.00	9355	281.00	224
51.00	43272	132.00	208	200.00	754	283.00	366
52.00	2137	133.00	188	202.00	651	284.00	230
55.00	163	134.00	676	202.00	233	285.00	468
56.00	1258	135.00	1812	203.00	1063	293.00	590
57.00	2582	136.00	807	204.00	5640	294.00	278
61.00	453	137.00	888	205.00	9597	296.00	9389
62.00	680	138.00	187	206.00	35280	297.00	1375
63.00	1583	140.00	118	207.00	4973	302.00	249
64.00	340	141.00	3278	208.00	1088	303.00	1117
65.00	727	142.00	972	209.00	342	304.00	278
67.00	56	143.00	671	210.00	613	313.00	108
69.00	41400	144.00	174	211.00	1339	314.00	549
70.00	238	145.00	223	215.00	375	315.00	1017
73.00	688	146.00	555	216.00	1013	316.00	608
74.00	5092	147.00	1862	217.00	8901	321.00	355
75.00	7288	148.00	4271	218.00	1253	322.00	238
76.00	3824	149.00	795	221.00	5325	323.00	3430
77.00	54128	150.00	209	222.00	1278	324.00	606
78.00	3518	151.00	418	223.00	2527	327.00	524
79.00	3338	152.00	285	224.00	19120	328.00	286
80.00	2558	153.00	1048	225.00	4772	332.00	243
81.00	3739	154.00	748	227.00	7550	333.00	392
82.00	1022	155.00	1960	228.00	1047	334.00	1948
83.00	801	156.00	2939	229.00	1687	335.00	513

Report Date: 03-Feb-2023 13:53:21 Chrom Revision: 2.3 01-Feb-2023 13:23:06
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d\8270LVI_14.rslt\spectra.d
Injection Date: 02-Feb-2023 15:17:30
Spectrum: Tune Spec :Average 597-599(4.99-5.00) Bgrd 589(4.97)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	49	157.00	578	230.00	238	341.00	432
85.00	641	158.00	559	231.00	662	346.00	706
86.00	1223	159.00	458	233.00	105	347.00	58
87.00	450	160.00	1075	234.00	514	352.00	1090
88.00	180	161.00	1634	235.00	533	353.00	785
91.00	719	162.00	369	236.00	429	354.00	951
92.00	980	164.00	183	237.00	749	355.00	262
93.00	6051	165.00	1170	238.00	106	365.00	5004
94.00	366	166.00	1379	239.00	266	366.00	680
96.00	366	167.00	7774	240.00	249	371.00	440
98.00	4836	168.00	3726	241.00	435	372.00	1989
99.00	3454	169.00	597	242.00	1173	373.00	473
100.00	297	170.00	214	243.00	1658	383.00	519
101.00	2211	171.00	316	244.00	15178	384.00	54
102.00	112	172.00	684	245.00	2100	390.00	240
103.00	541	173.00	795	246.00	2850	391.00	186
104.00	1351	174.00	1716	247.00	516	402.00	791
105.00	1217	175.00	2741	248.00	51	403.00	1242
107.00	16576	176.00	831	249.00	545	404.00	411
108.00	2481	177.00	1233	251.00	190	421.00	1115
109.00	282	179.00	5269	252.00	62	422.00	1332
110.00	27256	180.00	3797	253.00	356	423.00	7660
111.00	4566	181.00	1719	255.00	76824	424.00	1815
112.00	556	182.00	255	256.00	11232	425.00	137
113.00	169	183.00	54	257.00	1030	438.00	103
116.00	1289	184.00	523	258.00	4194	441.00	31208
117.00	16318	185.00	3065	259.00	688	442.00	161664
118.00	1201	186.00	19312	264.00	199	443.00	31528
119.00	57	187.00	5521	265.00	1858	444.00	2918
120.00	180	188.00	635	266.00	278		

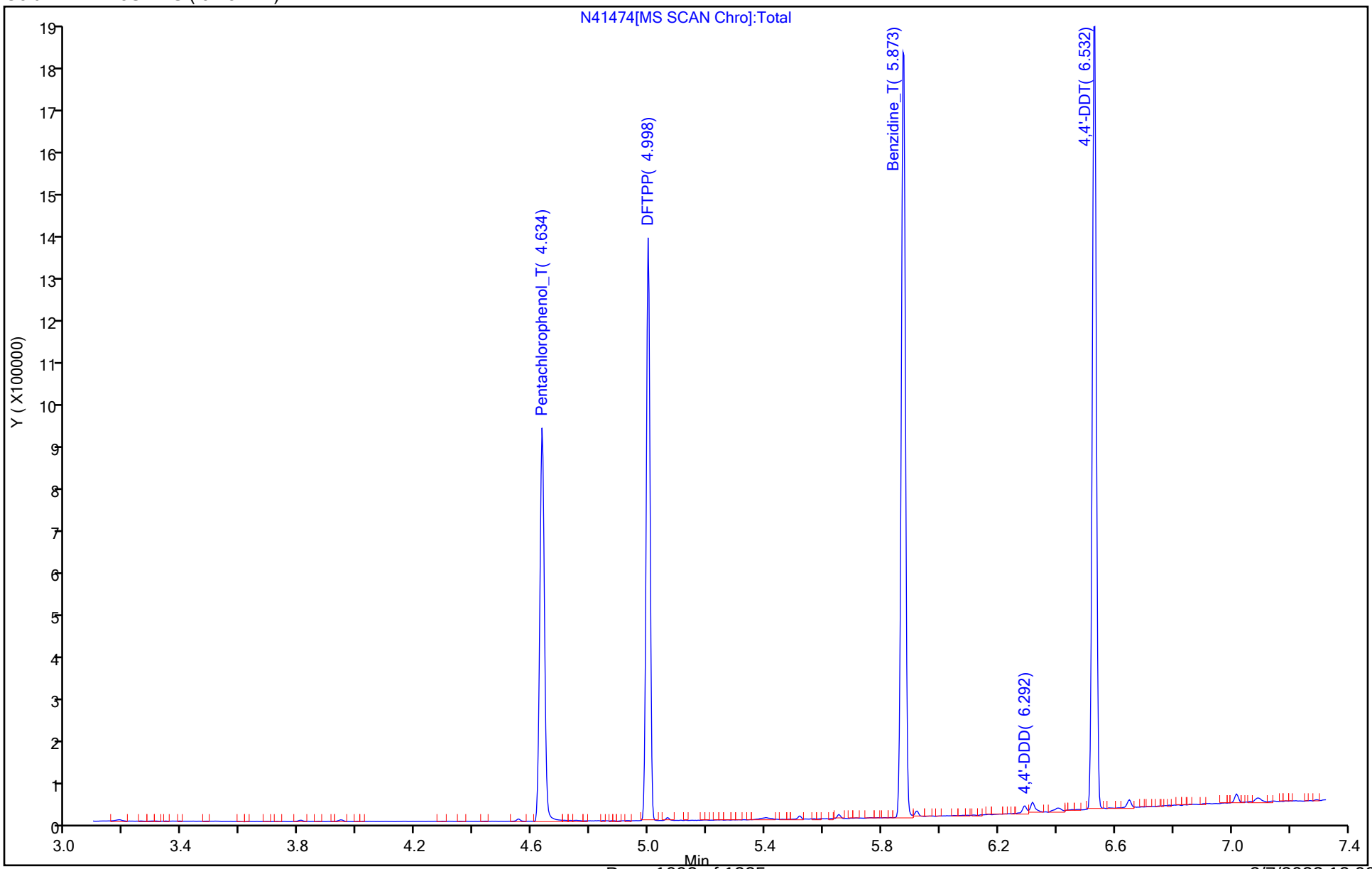
Report Date: 03-Feb-2023 13:53:21 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d

Injection Date:	02-Feb-2023 15:17:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



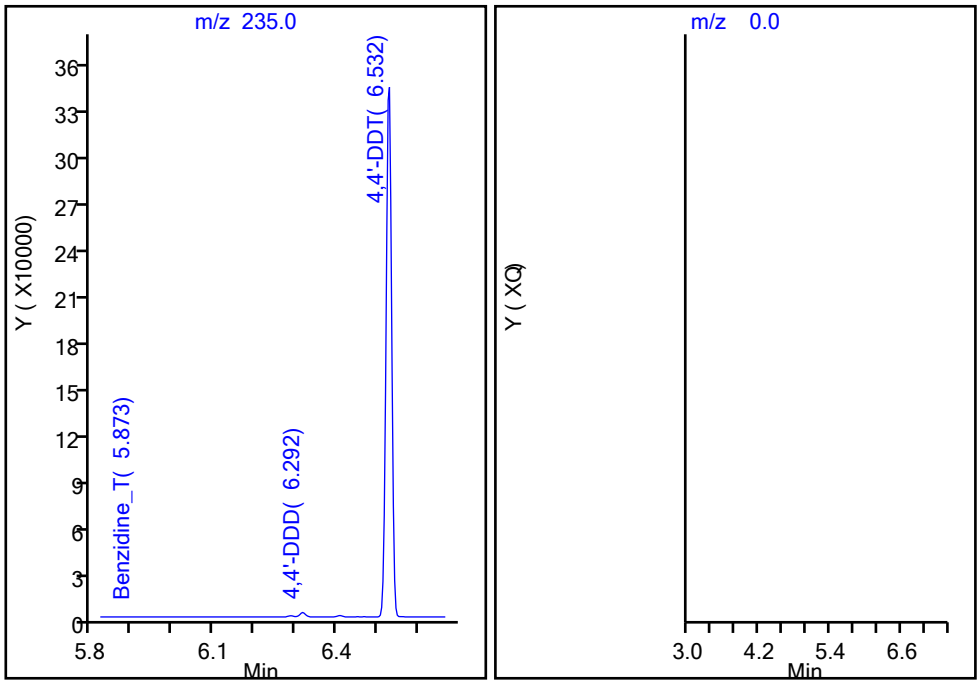
2/7/2023 12:09 PM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d
Injection Date: 02-Feb-2023 15:17:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 328992
126 4,4'-DDD, Area = 732
125 4,4'-DDE, Area = 0

%Breakdown: 0.22%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Edison

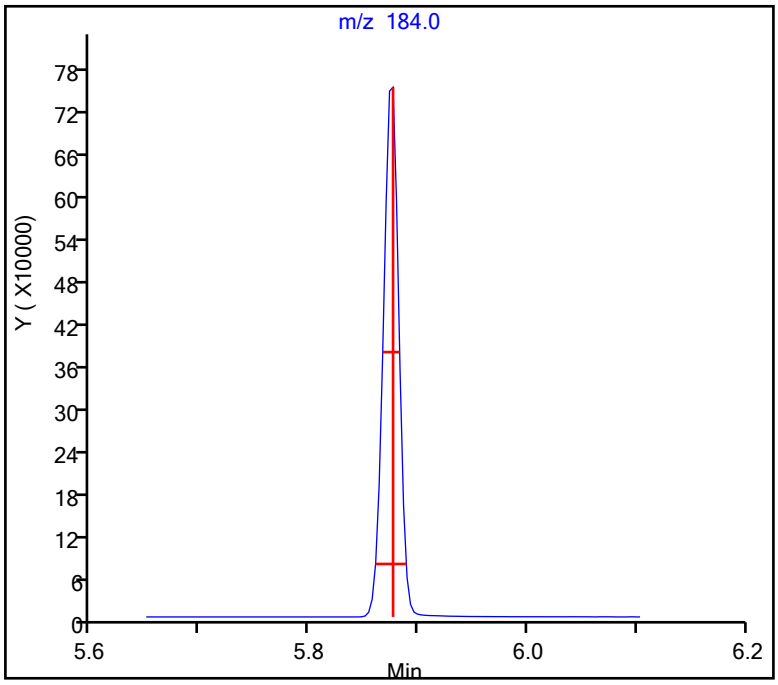
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d
Injection Date: 02-Feb-2023 15:17:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

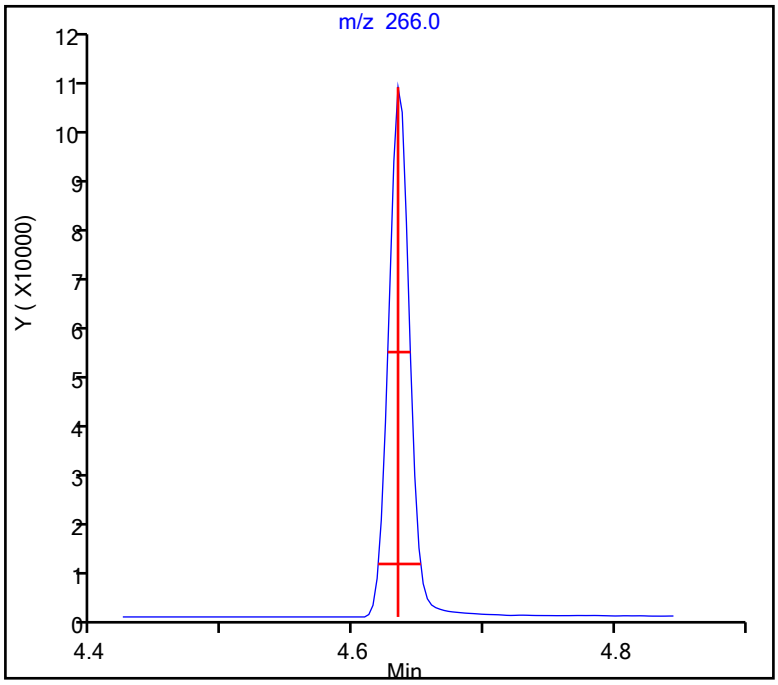
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20230202-156304.b\N41474.d
Injection Date: 02-Feb-2023 15:17:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.13, Max. Tailing <= 2.00
Passed



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 12-Jan-2023 06:14:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0155564-001
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 12-Jan-2023 14:06:09 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1609

First Level Reviewer: G4KC Date: 12-Jan-2023 14:06:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	4.747	4.747	0.000	94	239680	NR	NR	
42 Benzidine_T	184	5.974	5.974	0.000	99	1486253	NR	NR	
116 DFTPP									
117 4,4'-DDE	246	6.115	6.115	0.000	86	1086		NR	
118 4,4'-DDD	235	6.374	6.374	0.000	77	1406		NR	
119 4,4'-DDT	235	6.621	6.621	0.000	99	710889	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

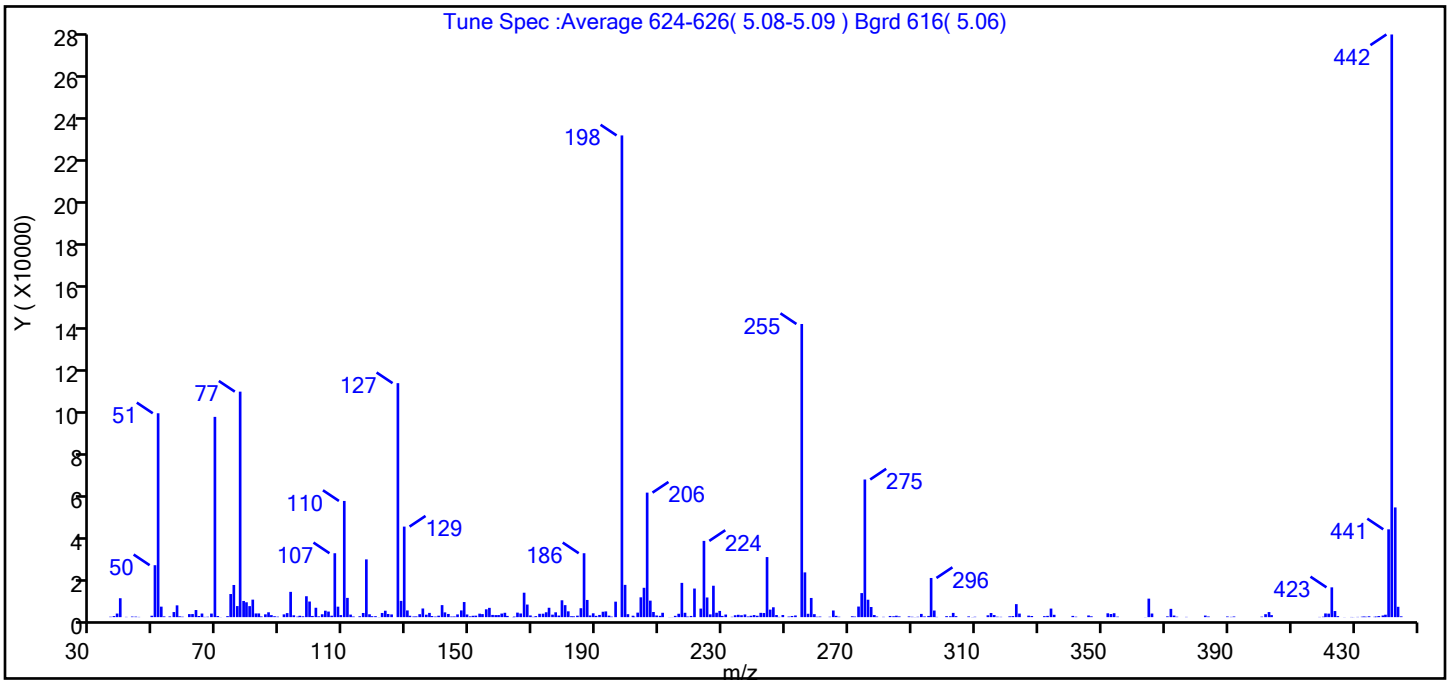
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D
Injection Date: 12-Jan-2023 06:14:30 Instrument ID: CBNAMS16
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

116 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.7 (1.8)
69	Present	41.6
70	<2% of m/z 69	0.2 (0.5)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.7
365	>1% of m/z 198	3.8
441	<150% of m/z 443	18.2 (80.1)
442	Present	121.0
443	15-24% of m/z 442	22.8 (18.8)

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D\8270LVI_16.rslt\spectra.d
Injection Date: 12-Jan-2023 06:14:30
Spectrum: Tune Spec :Average 624-626(5.08-5.09) Bgrd 616(5.06)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	201	124.00	1499	204.00	9410	296.00	18600
37.00	510	125.00	1292	205.00	13934	297.00	3141
38.00	1714	127.00	111104	206.00	59128	298.00	118
39.00	8982	128.00	7720	207.00	7834	301.00	473
41.00	127	129.00	42992	208.00	2448	302.00	413
43.00	283	130.00	3187	209.00	793	303.00	2016
44.00	251	131.00	666	210.00	610	304.00	475
45.00	114	132.00	312	211.00	2069	308.00	347
49.00	672	133.00	353	213.00	57	309.00	68
50.00	24664	134.00	1409	214.00	51	310.00	183
51.00	96808	135.00	4110	215.00	615	314.00	879
52.00	4983	136.00	1159	216.00	1606	315.00	1957
53.00	354	137.00	2020	217.00	16273	316.00	993
55.00	338	138.00	524	218.00	2074	317.00	220
56.00	2421	139.00	268	219.00	291	318.00	142
57.00	5601	140.00	687	220.00	572	321.00	391
58.00	380	141.00	5711	221.00	13583	322.00	497
59.00	222	142.00	2264	223.00	4061	323.00	6181
61.00	1443	143.00	1515	224.00	36208	324.00	1691
62.00	1464	144.00	295	225.00	9339	327.00	710
63.00	3379	145.00	321	226.00	1314	328.00	546
64.00	533	146.00	1300	227.00	14914	332.00	468
65.00	1719	147.00	3189	228.00	2096	333.00	600
66.00	122	148.00	7174	229.00	2958	334.00	4075
67.00	204	149.00	1270	230.00	587	335.00	1110
68.00	1698	150.00	375	231.00	1233	341.00	595
69.00	95096	151.00	656	233.00	172	342.00	217
70.00	522	152.00	705	234.00	887	346.00	793
71.00	57	153.00	1641	235.00	1120	347.00	387
73.00	470	154.00	1452	236.00	909	352.00	1831
74.00	10977	155.00	3726	237.00	1278	353.00	1492
75.00	15272	156.00	4413	238.00	310	354.00	1858
76.00	5251	157.00	1051	239.00	665	355.00	246

Report Date: 12-Jan-2023 14:06:10 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D\8270LVI_16.rslt\spectra.d
Injection Date: 12-Jan-2023 06:14:30
Spectrum: Tune Spec :Average 624-626(5.08-5.09) Bgrd 616(5.06)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	107080	158.00	965	240.00	990	364.00	57
78.00	7682	159.00	986	241.00	662	365.00	8791
79.00	7060	160.00	1708	242.00	2037	366.00	1724
80.00	5236	161.00	2070	243.00	1971	371.00	380
81.00	8313	162.00	581	244.00	28528	372.00	3929
82.00	1757	164.00	90	245.00	3569	373.00	749
83.00	1760	164.00	271	246.00	4686	374.00	208
84.00	336	165.00	2147	247.00	995	377.00	121
85.00	1335	166.00	1748	248.00	126	383.00	750
86.00	2301	167.00	11606	249.00	1004	384.00	312
87.00	960	168.00	5979	251.00	276	390.00	326
88.00	434	169.00	810	252.00	556	391.00	134
89.00	234	170.00	132	253.00	792	392.00	313
91.00	1321	171.00	483	255.00	139200	401.00	244
92.00	1917	172.00	1583	256.00	21248	402.00	1402
93.00	12006	173.00	1632	257.00	1597	403.00	2411
94.00	872	174.00	2309	258.00	9111	404.00	954
95.00	243	175.00	4456	259.00	1419	419.00	103
96.00	662	176.00	1177	260.00	202	420.00	207
97.00	398	177.00	2295	261.00	268	421.00	1758
98.00	9930	178.00	754	264.00	187	422.00	1674
99.00	7419	179.00	8005	265.00	3162	423.00	14151
100.00	564	180.00	5693	266.00	617	424.00	2892
101.00	4457	181.00	2764	267.00	195	425.00	478
102.00	366	182.00	431	271.00	412	427.00	51
103.00	1370	183.00	381	272.00	277	429.00	89
104.00	3057	184.00	705	273.00	5029	430.00	53
105.00	2651	185.00	4240	274.00	11427	431.00	114
106.00	688	186.00	30344	275.00	65360	433.00	205
107.00	30344	187.00	8163	276.00	8274	433.00	290
108.00	4970	188.00	799	277.00	4808	434.00	182
109.00	972	189.00	1831	278.00	996	435.00	408
110.00	55176	190.00	613	279.00	291	437.00	192
111.00	9142	191.00	1048	281.00	147	437.00	254

Report Date: 12-Jan-2023 14:06:10 Chrom Revision: 2.3 20-Dec-2022 14:14:06
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D\8270LVI_16.rslt\spectra.d
Injection Date: 12-Jan-2023 06:14:30
Spectrum: Tune Spec :Average 624-626(5.08-5.09) Bgrd 616(5.06)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1204	192.00	2565	283.00	551	438.00	515
113.00	304	193.00	2727	284.00	427	439.00	788
115.00	423	194.00	719	285.00	683	440.00	1151
116.00	1977	195.00	251	286.00	363	441.00	41704
117.00	27432	196.00	7353	289.00	357	442.00	276672
118.00	1363	198.00	228736	290.00	183	443.00	52096
119.00	450	199.00	15325	291.00	56	444.00	4908
120.00	460	200.00	1411	292.00	179	445.00	376
121.00	66	202.00	674	293.00	1533		
122.00	1977	202.00	236	294.00	319		
123.00	3047	203.00	2139	295.00	575		

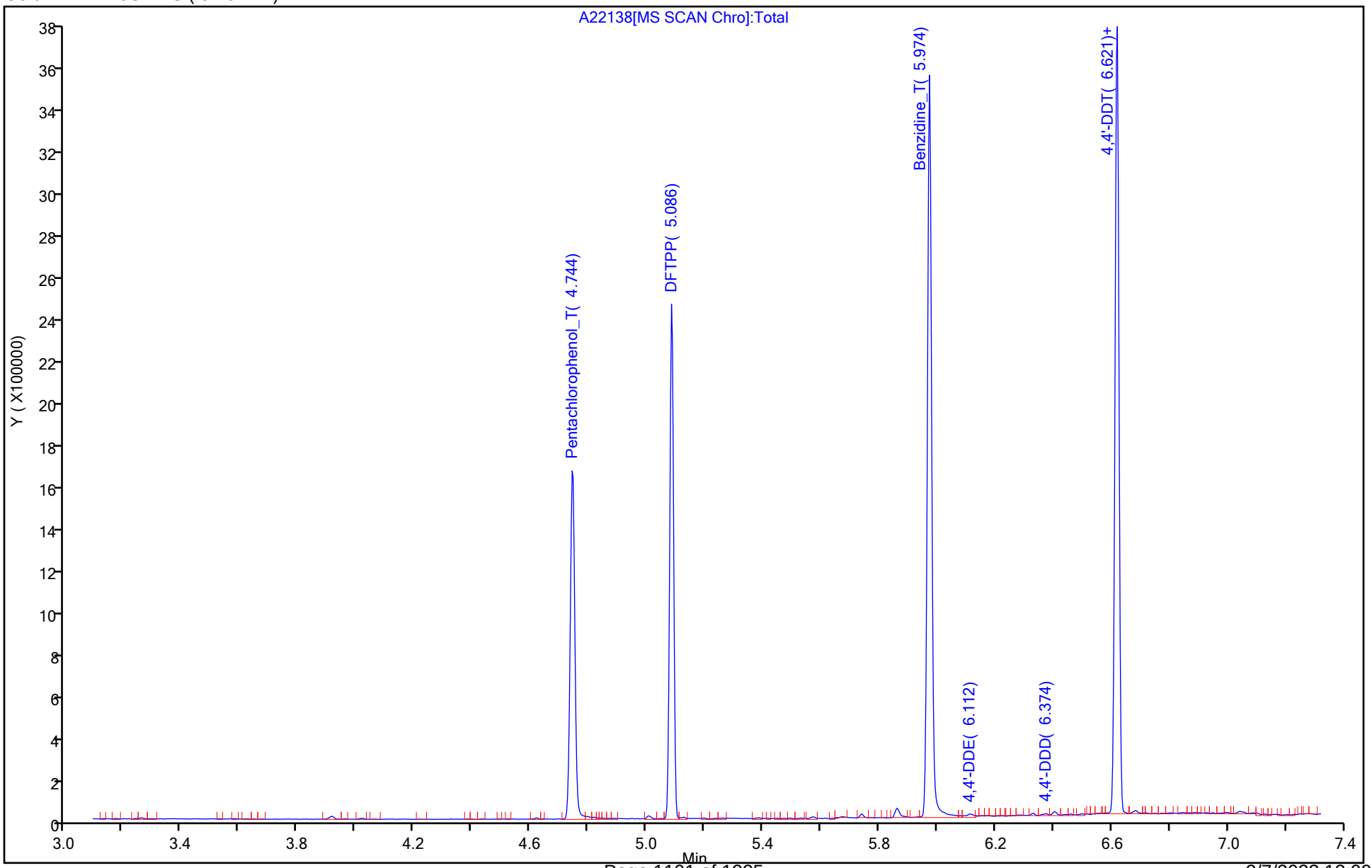
Report Date: 12-Jan-2023 14:06:10 Chrom Revision: 2.3 20-Dec-2022 14:14:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D

Injection Date:	12-Jan-2023 06:14:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D
Injection Date: 12-Jan-2023 06:14:30 Instrument ID: CBNAMS16
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL

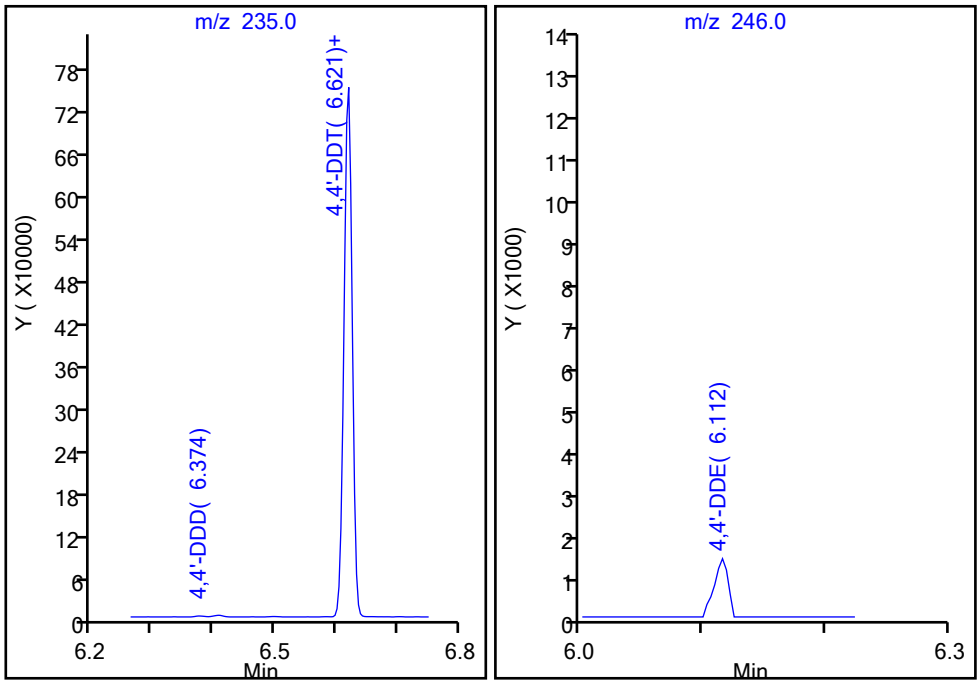
119 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

119 4,4'-DDT, Area = 710889
118 4,4'-DDD, Area = 1406
117 4,4'-DDE, Area = 1086

%Breakdown: 0.35%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

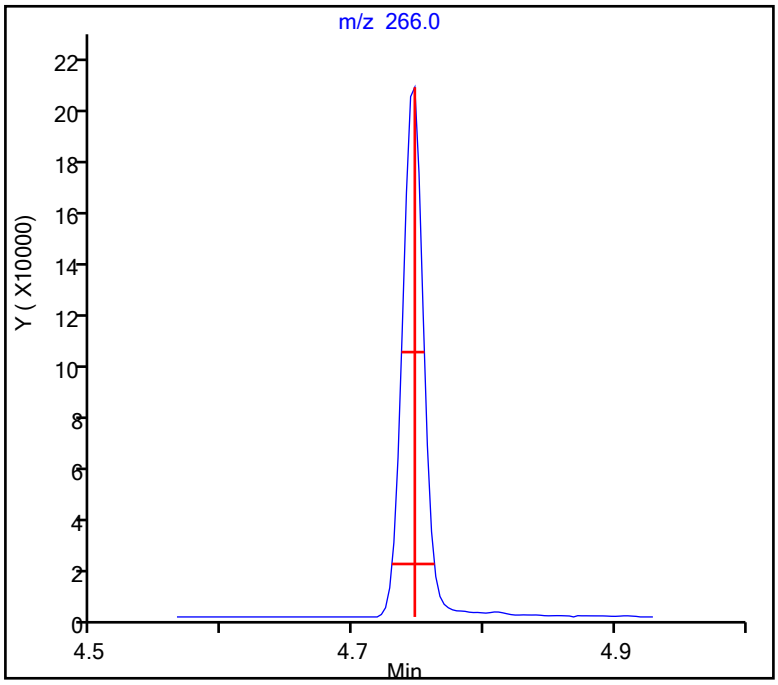
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D
Injection Date: 12-Jan-2023 06:14:30 Instrument ID: CBNAMS16
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.83, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

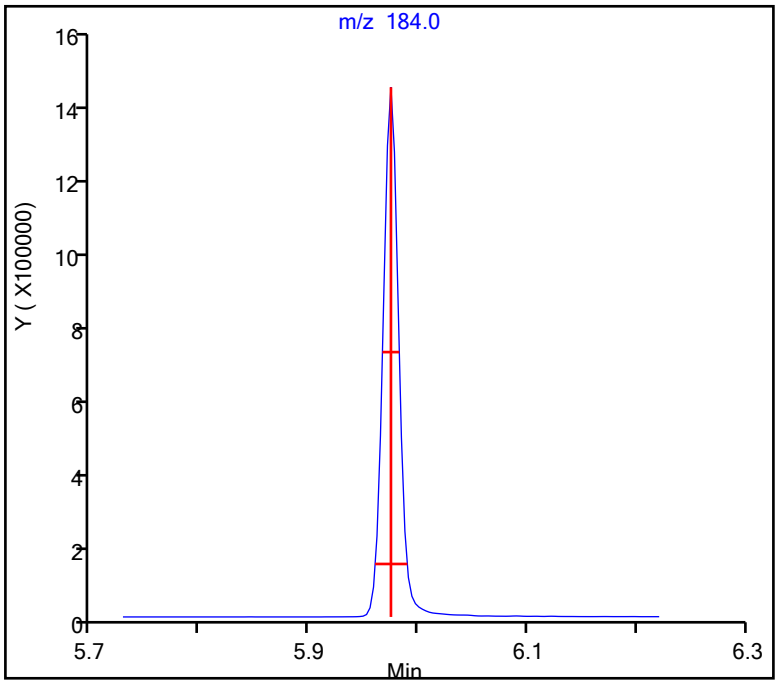
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22138.D
Injection Date: 12-Jan-2023 06:14:30 Instrument ID: CBNAMS16
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL

42 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891285/1-A

Matrix: Water | Lab File ID: A22743.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/03/2023 23:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
15831-10-4	3 & 4 Methylphenol	10	U	10	0.64
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891285/1-A

Matrix: Water | Lab File ID: A22743.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/03/2023 23:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	2.0	U	2.0	1.3
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891285/1-A

Matrix: Water | Lab File ID: A22743.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/03/2023 23:51

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	20	U	20	1.4
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		37-150
321-60-8	2-Fluorobiphenyl	78		46-139
367-12-4	2-Fluorophenol (Surr)	44		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	90		52-137
4165-62-2	Phenol-d5 (Surr)	28		10-56
1718-51-0	Terphenyl-d14 (Surr)	74		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22743.D
Lims ID: MB 460-891285/1-A
Client ID:
Sample Type: MB
Inject. Date: 03-Feb-2023 23:51:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-004
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:19:57 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 00:11:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.303	3.303	-0.001	95	176044	10.0	4.36	
$ 6 Phenol-d5	99	4.181	4.185	-0.004	0	137763	10.0	2.82	
* 14 1,4-Dichlorobenzene-d4	152	4.542	4.543	-0.001	96	249676	8.00	8.00	
$ 27 Nitrobenzene-d5	82	5.069	5.071	-0.002	88	393842	10.0	8.97	
* 38 Naphthalene-d8	136	5.753	5.756	-0.003	99	972770	8.00	8.00	
$ 53 2-Fluorobiphenyl	172	6.778	6.783	-0.005	98	753590	10.0	7.84	
* 64 Acenaphthene-d10	164	7.420	7.423	-0.003	98	547164	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	8.164	8.169	-0.005	95	104231	10.0	8.16	
* 88 Phenanthrene-d10	188	8.822	8.828	-0.006	99	1004307	8.00	8.00	
$ 97 Terphenyl-d14	244	10.343	10.345	-0.002	97	800451	10.0	7.44	
* 103 Chrysene-d12	240	11.484	11.491	-0.007	99	717033	8.00	8.00	
* 110 Perylene-d12	264	13.427	13.437	-0.010	98	700232	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

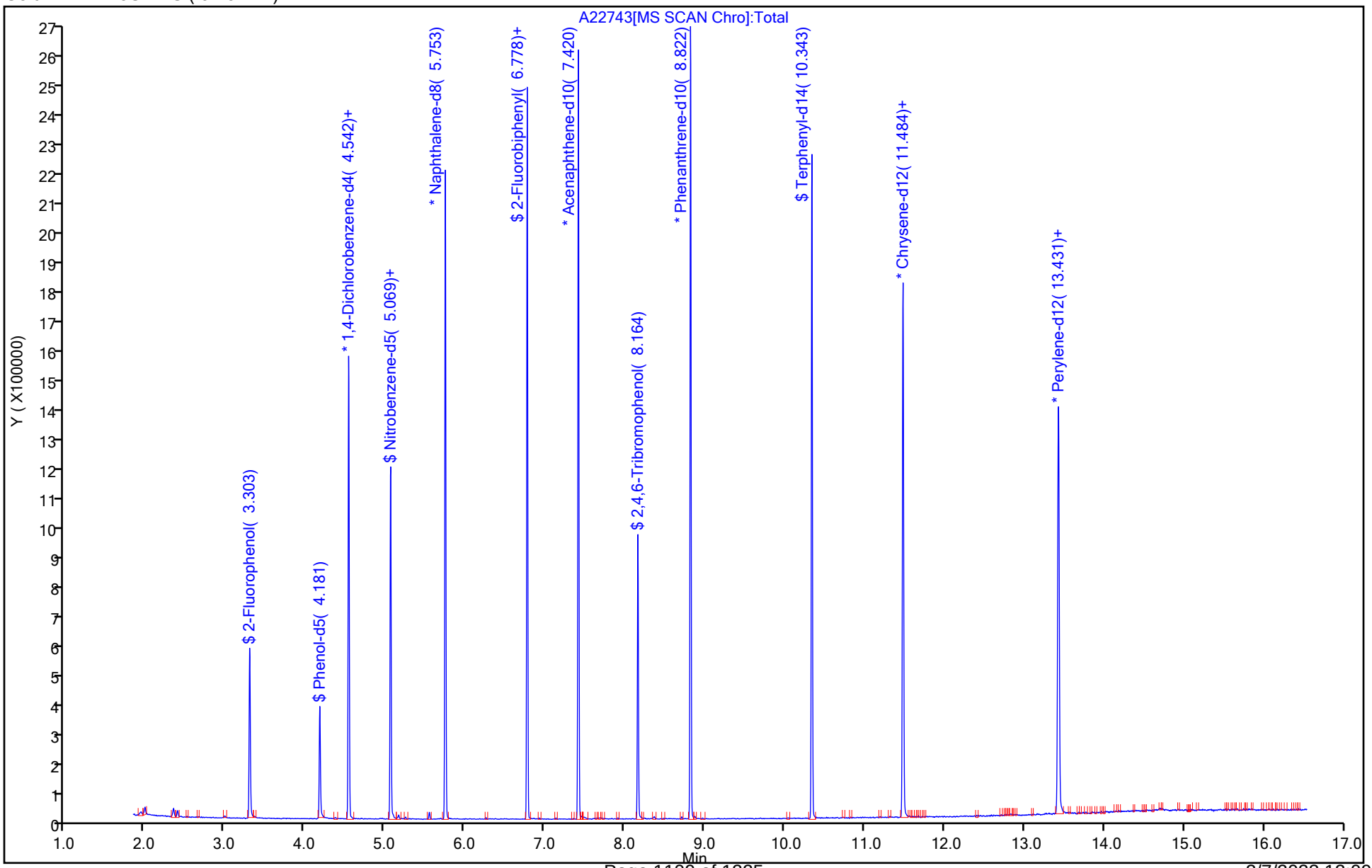
Report Date: 06-Feb-2023 09:20:51 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22743.D

Injection Date:	03-Feb-2023 23:51:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	MB 460-891285/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22743.D
Lims ID: MB 460-891285/1-A
Client ID:
Sample Type: MB
Inject. Date: 03-Feb-2023 23:51:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-004
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:19:57 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 00:11:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.36	43.63
$ 6 Phenol-d5	10.0	2.82	28.17
$ 27 Nitrobenzene-d5	10.0	8.97	89.71
$ 53 2-Fluorobiphenyl	10.0	7.84	78.43
$ 80 2,4,6-Tribromophenol	10.0	8.16	81.65
$ 97 Terphenyl-d14	10.0	7.44	74.38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891285/2-A

Matrix: Water | Lab File ID: A22744.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	69.4		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	65.0		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	73.3		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	70.4		10	0.75
95-95-4	2,4,5-Trichlorophenol	70.1		10	0.88
88-06-2	2,4,6-Trichlorophenol	71.9		10	0.86
120-83-2	2,4-Dichlorophenol	64.0		10	1.1
105-67-9	2,4-Dimethylphenol	63.7		10	0.62
51-28-5	2,4-Dinitrophenol	154		40	2.6
121-14-2	2,4-Dinitrotoluene	77.9		10	1.0
606-20-2	2,6-Dinitrotoluene	79.8		2.0	0.83
91-58-7	2-Chloronaphthalene	69.9		10	1.2
95-57-8	2-Chlorophenol	59.3		10	0.38
91-57-6	2-Methylnaphthalene	61.6		10	0.53
95-48-7	2-Methylphenol	53.5		10	0.67
88-74-4	2-Nitroaniline	74.9		10	0.47
88-75-5	2-Nitrophenol	70.3		10	0.75
15831-10-4	3 & 4 Methylphenol	50.9		10	0.64
91-94-1	3,3'-Dichlorobenzidine	63.1		10	1.4
99-09-2	3-Nitroaniline	75.4		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	155		20	3.0
101-55-3	4-Bromophenyl phenyl ether	65.1		10	0.75
59-50-7	4-Chloro-3-methylphenol	62.3		10	0.58
106-47-8	4-Chloroaniline	72.0		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	68.3		10	1.3
106-44-5	4-Methylphenol	50.1		10	0.65
100-01-6	4-Nitroaniline	70.0		10	1.2
100-02-7	4-Nitrophenol	47.0		20	4.0
83-32-9	Acenaphthene	71.2		10	1.1
208-96-8	Acenaphthylene	68.8		10	0.82
98-86-2	Acetophenone	71.3		10	2.3
120-12-7	Anthracene	71.5		10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891285/2-A

Matrix: Water | Lab File ID: A22744.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	37.9		2.0	1.3
100-52-7	Benzaldehyde	33.4		10	2.1
56-55-3	Benzo[a]anthracene	69.7		1.0	0.59
50-32-8	Benzo[a]pyrene	65.7		1.0	0.41
205-99-2	Benzo[b]fluoranthene	73.8		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	67.9		10	0.70
207-08-9	Benzo[k]fluoranthene	72.5		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	70.0		10	0.59
111-44-4	Bis(2-chloroethyl)ether	66.7		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	69.6		2.0	0.80
85-68-7	Butyl benzyl phthalate	64.4		10	0.85
105-60-2	Caprolactam	10.8		10	2.2
86-74-8	Carbazole	73.2		10	0.68
218-01-9	Chrysene	68.6		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	73.1		1.0	0.72
132-64-9	Dibenzofuran	70.5		10	1.1
84-66-2	Diethyl phthalate	67.1		10	0.98
131-11-3	Dimethyl phthalate	72.8		10	0.77
84-74-2	Di-n-butyl phthalate	68.4		10	0.84
117-84-0	Di-n-octyl phthalate	52.5		10	0.75
206-44-0	Fluoranthene	71.4		10	0.84
86-73-7	Fluorene	69.3		10	0.91
118-74-1	Hexachlorobenzene	64.7		1.0	0.40
87-68-3	Hexachlorobutadiene	51.5		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	51.5		10	3.6
67-72-1	Hexachloroethane	51.6		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	78.1		2.0	0.94
78-59-1	Isophorone	69.1		10	0.80
91-20-3	Naphthalene	61.7		2.0	0.54
98-95-3	Nitrobenzene	70.6		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	70.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	68.2		10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891285/2-A

Matrix: Water | Lab File ID: A22744.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	134		20	1.4
85-01-8	Phenanthrene	70.1		10	1.3
108-95-2	Phenol	26.5		10	0.29
129-00-0	Pyrene	68.3		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		37-150
321-60-8	2-Fluorobiphenyl	75		46-139
367-12-4	2-Fluorophenol (Surr)	43		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	86		52-137
4165-62-2	Phenol-d5 (Surr)	30		10-56
1718-51-0	Terphenyl-d14 (Surr)	79		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22744.D
Lims ID: LCS 460-891285/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Feb-2023 00:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:22:00 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 00:31:40

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.929	1.932	-0.003	96	86689	10.0	4.78	
	2 N-Nitrosodimethylamine	74	2.153	2.156	-0.003	83	128461	10.0	4.87	
	3 Pyridine	79	2.194	2.194	0.000	90	369802	20.0	9.15	
$	4 2-Fluorophenol	112	3.303	3.303	0.000	94	168812	10.0	4.31	
	5 Benzaldehyde	77	4.130	4.131	-0.001	97	142147	5.00	4.17	E
$	6 Phenol-d5	99	4.181	4.185	-0.004	0	141186	10.0	2.98	
	7 Phenol	94	4.194	4.198	-0.004	99	160047	10.0	3.31	
	8 Aniline	93	4.229	4.230	-0.001	99	456429	10.0	7.48	
	9 Bis(2-chloroethyl)ether	93	4.284	4.287	-0.003	96	337520	10.0	8.33	
	10 Benzonitrile	103	4.306	4.310	-0.004	98	648845	NC	NC	
	11 2-Chlorophenol	128	4.344	4.345	-0.001	95	306500	10.0	7.42	
	12 n-Decane	43	4.373	4.374	-0.001	94	302712	10.0	6.47	
	13 1,3-Dichlorobenzene	146	4.488	4.492	-0.004	95	308943	10.0	6.61	
*	14 1,4-Dichlorobenzene-d4	152	4.543	4.543	0.000	96	242192	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.559	4.559	0.000	95	317139	10.0	6.64	
	17 Benzyl alcohol	108	4.667	4.671	-0.004	93	129277	10.0	5.87	
	18 1,2-Dichlorobenzene	146	4.703	4.703	-0.001	95	304360	10.0	6.93	
	19 2-Methylphenol	108	4.773	4.777	-0.004	89	227447	10.0	6.69	
	20 2,2'-oxybis[1-chloropropane]	45	4.795	4.796	-0.001	93	509168	10.0	9.17	a
	21 N-Methylaniline	106	4.914	4.917	-0.003	89	551838	10.0	8.94	
	23 N-Nitrosodi-n-propylamine	70	4.917	4.921	-0.004	90	262590	10.0	8.81	
	24 3 & 4 Methylphenol	108	4.920	4.924	-0.004	0	258943	10.0	6.37	
	25 4-Methylphenol	108	4.920	4.924	-0.004	74	250316	10.0	6.27	
	22 Acetophenone	105	4.923	4.927	-0.004	91	505665	10.0	8.91	
	26 Hexachloroethane	117	5.026	5.026	0.000	92	109161	10.0	6.45	
$	27 Nitrobenzene-d5	82	5.070	5.071	-0.001	88	360999	10.0	8.55	
	29 n,n'-Dimethylaniline	120	5.086	5.090	-0.004	92	560052	10.0	8.73	
	28 Nitrobenzene	123	5.090	5.090	0.000	93	172538	10.0	8.83	
	30 Isophorone	82	5.310	5.314	-0.004	99	627970	10.0	8.64	
	31 2-Nitrophenol	139	5.390	5.391	-0.001	90	185611	10.0	8.79	
	33 2,4-Dimethylphenol	122	5.428	5.432	-0.004	90	265209	10.0	7.97	
	35 Benzoic acid	122	5.480	5.516	-0.036	86	51974	10.0	2.75	Ma

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.518	5.519	-0.001	99	400744	10.0	8.75	
36 2,4-Dichlorophenol	162	5.620	5.624	-0.004	95	261710	10.0	8.00	
37 1,2,4-Trichlorobenzene	180	5.697	5.701	-0.004	94	285627	10.0	7.70	
* 38 Naphthalene-d8	136	5.755	5.756	-0.001	99	935470	8.00	8.00	
39 Naphthalene	128	5.774	5.775	-0.001	99	913945	10.0	7.71	
40 4-Chloroaniline	127	5.825	5.829	-0.004	97	417516	10.0	9.00	
41 2,6-Dichlorophenol	162	5.831	5.836	-0.005	97	268651	10.0	8.22	
43 Hexachlorobutadiene	225	5.889	5.890	-0.001	96	147313	10.0	6.44	
44 Caprolactam	113	6.138	6.149	-0.011	91	12532	5.00	1.35	
45 4-Chloro-3-methylphenol	107	6.289	6.293	-0.005	95	237136	10.0	7.78	
46 2-Methylnaphthalene	142	6.429	6.434	-0.005	86	641219	10.0	7.69	
47 1-Methylnaphthalene	142	6.525	6.526	-0.001	94	601987	10.0	8.01	
48 Hexachlorocyclopentadiene	237	6.580	6.581	-0.001	97	180242	10.0	6.44	
49 1,2,4,5-Tetrachlorobenzene	216	6.589	6.591	-0.002	97	305238	10.0	8.13	
50 2-tertbutyl-4-methylphenol	149	6.618	6.623	-0.005	92	397557	10.0	8.16	
51 2,4,6-Trichlorophenol	196	6.698	6.703	-0.005	90	203671	10.0	8.99	
52 2,4,5-Trichlorophenol	196	6.733	6.738	-0.005	97	212725	10.0	8.76	
$ 53 2-Fluorobiphenyl	172	6.778	6.783	-0.005	98	687304	10.0	7.48	
54 1,1'-Biphenyl	154	6.874	6.876	-0.002	95	824336	10.0	8.67	
55 2-Chloronaphthalene	162	6.893	6.898	-0.005	98	617617	10.0	8.74	
56 Phenyl ether	170	6.973	6.978	-0.005	87	432745	10.0	8.36	
57 2-Nitroaniline	65	6.993	6.997	-0.004	96	185683	10.0	9.36	
58 1,3-Dimethylnaphthalene	156	7.098	7.103	-0.005	94	493972	10.0	8.44	
59 Dimethyl phthalate	163	7.162	7.167	-0.005	99	693967	10.0	9.10	
60 Coumarin	146	7.188	7.192	-0.004	79	225765	10.0	8.77	
61 2,6-Dinitrotoluene	165	7.223	7.228	-0.005	96	173359	10.0	9.98	
62 Acenaphthylene	152	7.287	7.289	-0.002	97	962435	10.0	8.60	
63 3-Nitroaniline	138	7.383	7.388	-0.005	95	170375	10.0	9.43	
* 64 Acenaphthene-d10	164	7.418	7.423	-0.005	95	523254	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.431	7.436	-0.005	98	508284	10.0	7.23	
66 Acenaphthene	154	7.450	7.455	-0.005	95	606027	10.0	8.90	
67 2,4-Dinitrophenol	184	7.479	7.487	-0.008	97	209792	20.0	19.3	
68 4-Nitrophenol	65	7.549	7.554	-0.005	91	83497	20.0	5.87	
69 2,4-Dinitrotoluene	165	7.601	7.605	-0.004	96	227327	10.0	9.74	
70 Dibenzofuran	168	7.613	7.618	-0.005	97	928505	10.0	8.81	
71 2,3,4,6-Tetrachlorophenol	232	7.729	7.733	-0.004	94	182907	10.0	8.80	
72 Diethyl phthalate	149	7.831	7.836	-0.005	98	670706	10.0	8.38	
74 4-Chlorophenyl phenyl ether	204	7.937	7.942	-0.005	89	357989	10.0	8.54	
73 Fluorene	166	7.937	7.942	-0.005	94	747500	10.0	8.67	
75 4-Nitroaniline	138	7.959	7.967	-0.008	91	162540	10.0	8.75	
76 4,6-Dinitro-2-methylphenol	198	7.985	7.993	-0.008	88	286720	20.0	19.3	
78 N-Nitrosodiphenylamine	169	8.049	8.054	-0.005	68	529799	10.0	8.53	
79 1,2-Diphenylhydrazine	77	8.087	8.092	-0.005	50	715762	10.0	8.35	
144 Azobenzene	77	8.087	8.092	-0.005	0	715762	10.0	8.35	
$ 80 2,4,6-Tribromophenol	330	8.164	8.169	-0.005	95	106786	10.0	8.75	
81 4-Bromophenyl phenyl ether	248	8.401	8.403	-0.002	91	202021	10.0	8.14	
82 Hexachlorobenzene	284	8.455	8.457	-0.002	97	231958	10.0	8.09	
83 Atrazine	200	8.554	8.559	-0.005	93	100805	5.00	4.74	
84 Pentachlorophenol	266	8.644	8.649	-0.005	94	257882	20.0	16.8	
85 Pentachloronitrobenzene	237	8.653	8.659	-0.006	88	84166	10.0	7.67	
87 n-Octadecane	57	8.717	8.720	-0.003	96	427288	10.0	8.10	
* 88 Phenanthrene-d10	188	8.823	8.828	-0.005	99	915350	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.845	8.851	-0.006	97	1055446	10.0	8.77	
90 Anthracene	178	8.894	8.899	-0.005	99	1079022	10.0	8.93	
91 Carbazole	167	9.050	9.056	-0.006	96	944946	10.0	9.15	
92 Di-n-butyl phthalate	149	9.379	9.382	-0.003	100	1028179	10.0	8.55	
93 Fluoranthene	202	9.971	9.977	-0.006	98	1059282	10.0	8.93	
94 Benzidine	184	10.105	10.108	-0.003	99	307683	10.0	5.16	
95 Pyrene	202	10.188	10.194	-0.006	97	1107185	10.0	8.54	
96 Bisphenol-A	213	10.297	10.297	0.016	95	67888	5.00	1.79	M
$ 97 Terphenyl-d14	244	10.342	10.345	-0.003	98	830512	10.0	7.93	
98 Butyl benzyl phthalate	149	10.854	10.860	-0.006	98	388225	10.0	8.05	
100 Carbamazepine	193	10.969	10.976	-0.007	94	272813	10.0	5.98	
101 3,3'-Dichlorobenzidine	252	11.452	11.459	-0.007	99	293033	10.0	7.88	
102 Benzo[a]anthracene	228	11.474	11.478	-0.004	98	947584	10.0	8.71	
* 103 Chrysene-d12	240	11.484	11.491	-0.007	99	697377	8.00	8.00	
104 Chrysene	228	11.516	11.523	-0.007	98	899666	10.0	8.57	
105 Bis(2-ethylhexyl) phthalate	149	11.523	11.526	-0.003	89	560431	10.0	8.70	
106 Di-n-octyl phthalate	149	12.383	12.390	-0.007	97	851098	10.0	6.56	
107 Benzo[b]fluoranthene	252	12.885	12.893	-0.008	99	896650	10.0	9.22	
108 Benzo[k]fluoranthene	252	12.924	12.931	-0.007	100	947715	10.0	9.06	
109 Benzo[a]pyrene	252	13.346	13.357	-0.011	97	780251	10.0	8.21	
* 110 Perylene-d12	264	13.429	13.437	-0.008	98	695179	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.055	15.070	-0.015	99	831281	10.0	9.76	
112 Dibenz(a,h)anthracene	278	15.100	15.115	-0.015	98	859556	10.0	9.14	
113 Benzo[g,h,i]perylene	276	15.520	15.535	-0.015	98	868929	10.0	8.49	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

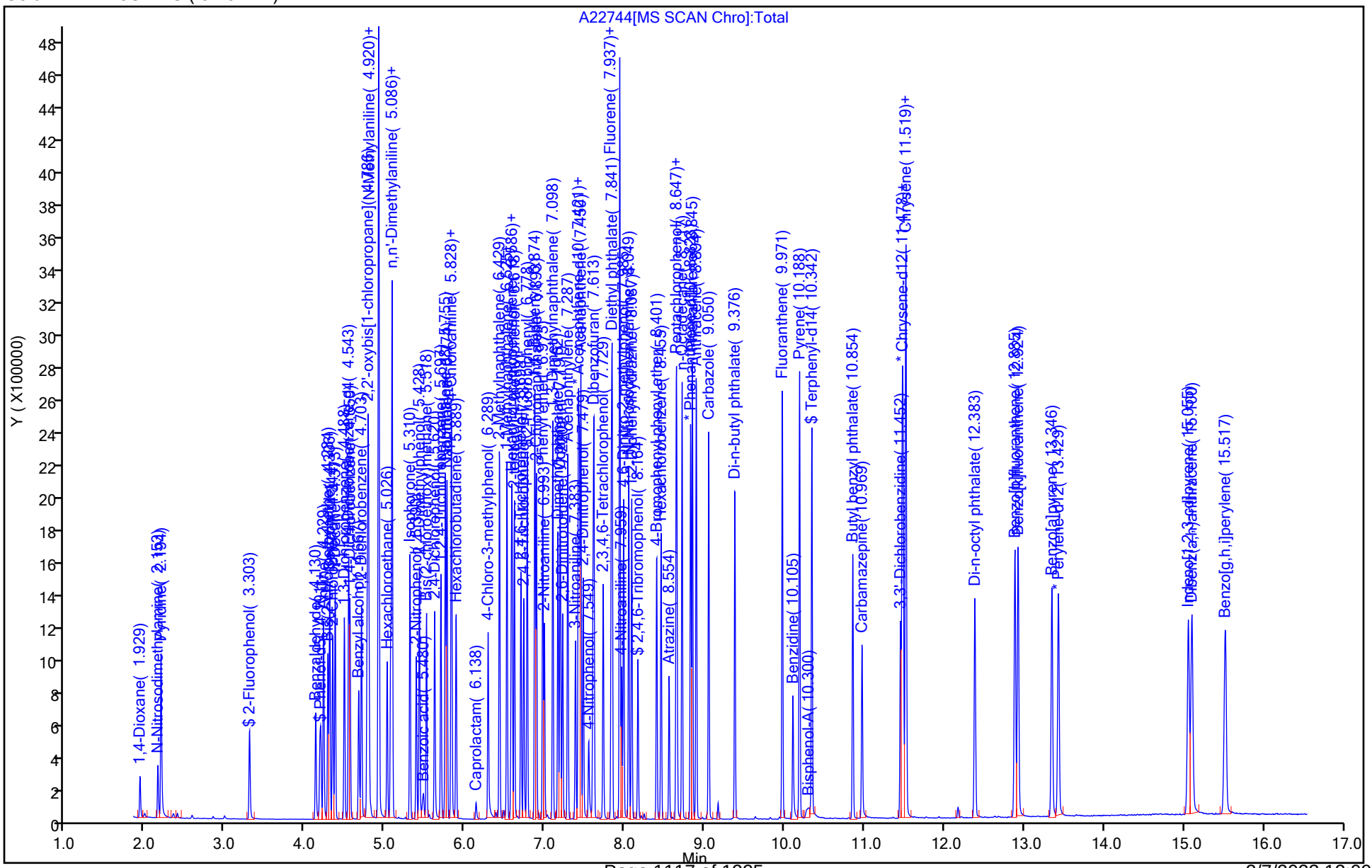
Report Date: 06-Feb-2023 09:22:01 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22744.D

Injection Date:	04-Feb-2023 00:12:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCS 460-891285/2-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22744.D
Lims ID: LCS 460-891285/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Feb-2023 00:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-005
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:22:00 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 00:31:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.31	43.13
$ 6 Phenol-d5	10.0	2.98	29.76
$ 27 Nitrobenzene-d5	10.0	8.55	85.51
$ 53 2-Fluorobiphenyl	10.0	7.48	74.80
$ 80 2,4,6-Tribromophenol	10.0	8.75	87.47
$ 97 Terphenyl-d14	10.0	7.93	79.35

Manual Integration/User Assign Peak Report

Eurofins Edison

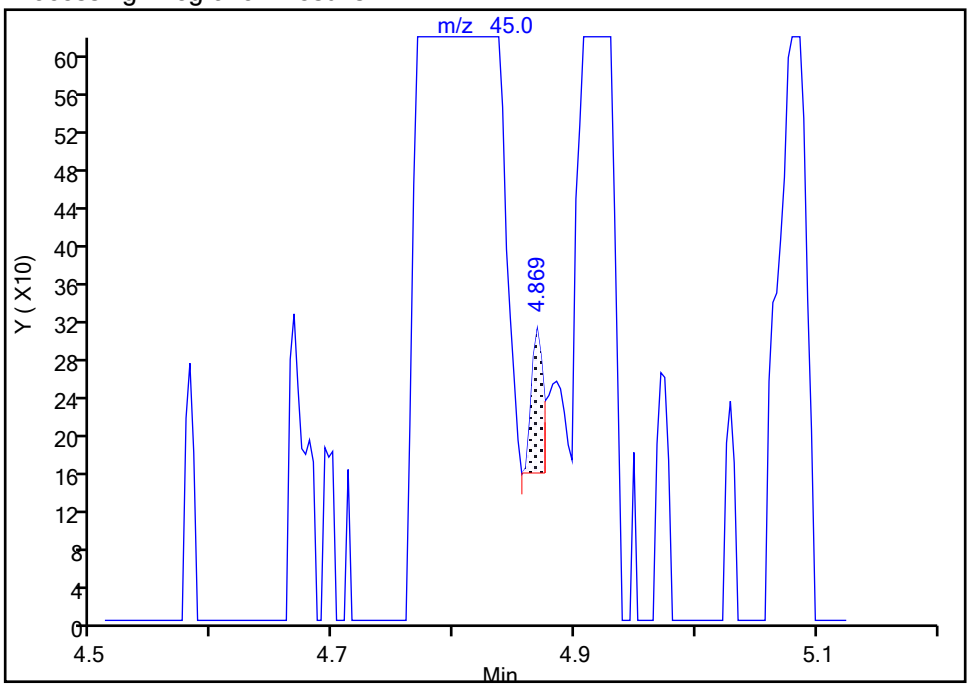
Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22744.D
Injection Date: 04-Feb-2023 00:12:30 Instrument ID: CBNAMS16
Lims ID: LCS 460-891285/2-A
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_16 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

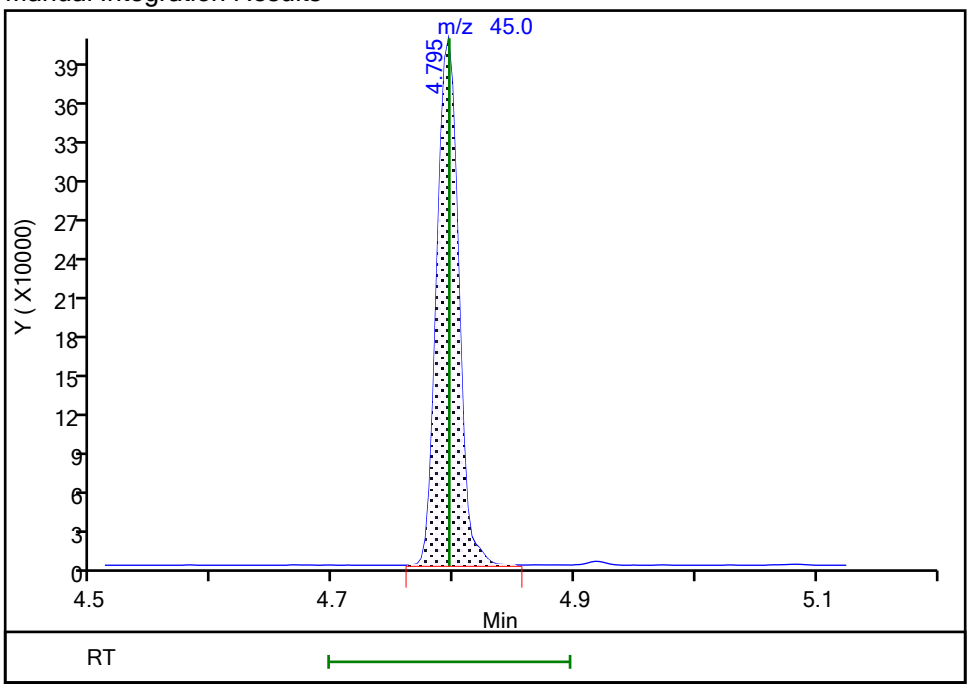
Processing Integration Results

RT: 4.87
Area: 104
Amount: 0.001872
Amount Units: ug/ml



Manual Integration Results

RT: 4.80
Area: 509168
Amount: 9.165298
Amount Units: ug/ml



Reviewer: U6BX, 04-Feb-2023 00:31:00
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891285/3-A

Matrix: Water | Lab File ID: A22745.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	70.9		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	68.8		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	71.4		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	71.7		10	0.75
95-95-4	2,4,5-Trichlorophenol	71.3		10	0.88
88-06-2	2,4,6-Trichlorophenol	74.7		10	0.86
120-83-2	2,4-Dichlorophenol	65.1		10	1.1
105-67-9	2,4-Dimethylphenol	62.3		10	0.62
51-28-5	2,4-Dinitrophenol	158		40	2.6
121-14-2	2,4-Dinitrotoluene	80.3		10	1.0
606-20-2	2,6-Dinitrotoluene	79.8		2.0	0.83
91-58-7	2-Chloronaphthalene	70.7		10	1.2
95-57-8	2-Chlorophenol	58.9		10	0.38
91-57-6	2-Methylnaphthalene	60.4		10	0.53
95-48-7	2-Methylphenol	52.4		10	0.67
88-74-4	2-Nitroaniline	81.3		10	0.47
88-75-5	2-Nitrophenol	69.6		10	0.75
15831-10-4	3 & 4 Methylphenol	49.9		10	0.64
91-94-1	3,3'-Dichlorobenzidine	63.3		10	1.4
99-09-2	3-Nitroaniline	76.6		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	156		20	3.0
101-55-3	4-Bromophenyl phenyl ether	66.1		10	0.75
59-50-7	4-Chloro-3-methylphenol	62.0		10	0.58
106-47-8	4-Chloroaniline	72.2		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	69.0		10	1.3
106-44-5	4-Methylphenol	50.8		10	0.65
100-01-6	4-Nitroaniline	70.8		10	1.2
100-02-7	4-Nitrophenol	48.8		20	4.0
83-32-9	Acenaphthene	72.4		10	1.1
208-96-8	Acenaphthylene	69.8		10	0.82
98-86-2	Acetophenone	69.3		10	2.3
120-12-7	Anthracene	70.2		10	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891285/3-A

Matrix: Water | Lab File ID: A22745.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1912-24-9	Atrazine	39.5		2.0	1.3
100-52-7	Benzaldehyde	33.6		10	2.1
56-55-3	Benzo[a]anthracene	70.8		1.0	0.59
50-32-8	Benzo[a]pyrene	66.0		1.0	0.41
205-99-2	Benzo[b]fluoranthene	72.9		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	69.0		10	0.70
207-08-9	Benzo[k]fluoranthene	73.4		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	69.7		10	0.59
111-44-4	Bis(2-chloroethyl)ether	65.3		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	68.1		2.0	0.80
85-68-7	Butyl benzyl phthalate	64.1		10	0.85
105-60-2	Caprolactam	10.2		10	2.2
86-74-8	Carbazole	73.6		10	0.68
218-01-9	Chrysene	68.5		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	74.2		1.0	0.72
132-64-9	Dibenzofuran	71.7		10	1.1
84-66-2	Diethyl phthalate	68.2		10	0.98
131-11-3	Dimethyl phthalate	73.6		10	0.77
84-74-2	Di-n-butyl phthalate	68.1		10	0.84
117-84-0	Di-n-octyl phthalate	52.8		10	0.75
206-44-0	Fluoranthene	71.4		10	0.84
86-73-7	Fluorene	70.1		10	0.91
118-74-1	Hexachlorobenzene	62.6		1.0	0.40
87-68-3	Hexachlorobutadiene	49.5		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	52.0		10	3.6
67-72-1	Hexachloroethane	50.4		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	78.7		2.0	0.94
78-59-1	Isophorone	69.3		10	0.80
91-20-3	Naphthalene	62.0		2.0	0.54
98-95-3	Nitrobenzene	70.5		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	69.6		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	67.9		10	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891285/3-A

Matrix: Water | Lab File ID: A22745.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/03/2023 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/04/2023 00:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891390 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
87-86-5	Pentachlorophenol	134		20	1.4
85-01-8	Phenanthrene	68.8		10	1.3
108-95-2	Phenol	25.3		10	0.29
129-00-0	Pyrene	67.1		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		37-150
321-60-8	2-Fluorobiphenyl	76		46-139
367-12-4	2-Fluorophenol (Surr)	44		19-80
4165-60-0	Nitrobenzene-d5 (Surr)	84		52-137
4165-62-2	Phenol-d5 (Surr)	31		10-56
1718-51-0	Terphenyl-d14 (Surr)	78		22-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22745.D
Lims ID: LCSD 460-891285/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 04-Feb-2023 00:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:23:04 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 01:04:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.926	1.932	-0.006	96	82241	10.0	4.69	
	2 N-Nitrosodimethylamine	74	2.150	2.156	-0.006	85	132881	10.0	5.21	
	3 Pyridine	79	2.191	2.194	-0.003	90	358817	20.0	9.18	
$	4 2-Fluorophenol	112	3.300	3.303	-0.003	95	165949	10.0	4.38	
	5 Benzaldehyde	77	4.127	4.131	-0.004	96	138350	5.00	4.20	E
$	6 Phenol-d5	99	4.181	4.185	-0.004	0	141091	10.0	3.07	
	7 Phenol	94	4.194	4.198	-0.004	99	148125	10.0	3.16	
	8 Aniline	93	4.226	4.230	-0.004	99	443242	10.0	7.51	
	9 Bis(2-chloroethyl)ether	93	4.280	4.287	-0.007	96	319703	10.0	8.16	
	10 Benzonitrile	103	4.303	4.310	-0.007	98	615432	NC	NC	
	11 2-Chlorophenol	128	4.341	4.345	-0.004	95	294639	10.0	7.37	
	12 n-Decane	43	4.373	4.374	-0.001	94	287153	10.0	6.34	
	13 1,3-Dichlorobenzene	146	4.488	4.492	-0.004	96	293952	10.0	6.50	
*	14 1,4-Dichlorobenzene-d4	152	4.543	4.543	0.000	96	234332	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.559	4.559	0.000	95	301886	10.0	6.53	
	17 Benzyl alcohol	108	4.667	4.671	-0.004	93	138210	10.0	6.48	
	18 1,2-Dichlorobenzene	146	4.702	4.703	-0.001	96	289606	10.0	6.81	
	19 2-Methylphenol	108	4.773	4.777	-0.004	90	215802	10.0	6.56	
	20 2,2'-oxybis[1-chloropropane]	45	4.795	4.796	-0.001	93	479599	10.0	8.92	a
	21 N-Methylaniline	106	4.913	4.917	-0.004	88	525276	10.0	8.79	
	23 N-Nitrosodi-n-propylamine	70	4.917	4.921	-0.004	91	250806	10.0	8.70	
	24 3 & 4 Methylphenol	108	4.920	4.924	-0.004	0	245391	10.0	6.24	
	25 4-Methylphenol	108	4.920	4.924	-0.004	71	245391	10.0	6.35	
	22 Acetophenone	105	4.923	4.927	-0.004	93	475546	10.0	8.66	
	26 Hexachloroethane	117	5.025	5.026	-0.001	92	103049	10.0	6.30	
$	27 Nitrobenzene-d5	82	5.067	5.071	-0.004	89	340458	10.0	8.45	
	29 n,n'-Dimethylaniline	120	5.086	5.090	-0.004	91	534252	10.0	8.61	
	28 Nitrobenzene	123	5.086	5.090	-0.004	92	166659	10.0	8.81	
	30 Isophorone	82	5.310	5.314	-0.004	99	601405	10.0	8.67	
	31 2-Nitrophenol	139	5.390	5.391	-0.001	90	175248	10.0	8.70	
	33 2,4-Dimethylphenol	122	5.428	5.432	-0.004	90	247441	10.0	7.79	
	35 Benzoic acid	122	5.476	5.516	-0.040	83	46983	10.0	2.64	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.518	5.519	-0.001	99	380779	10.0	8.71	
36 2,4-Dichlorophenol	162	5.620	5.624	-0.004	95	253915	10.0	8.14	
37 1,2,4-Trichlorobenzene	180	5.697	5.701	-0.004	94	268422	10.0	7.58	
* 38 Naphthalene-d8	136	5.755	5.756	-0.002	99	892821	8.00	8.00	
39 Naphthalene	128	5.774	5.775	-0.001	99	875995	10.0	7.75	
40 4-Chloroaniline	127	5.828	5.829	-0.001	96	399876	10.0	9.03	
41 2,6-Dichlorophenol	162	5.831	5.836	-0.005	97	264403	10.0	8.48	
43 Hexachlorobutadiene	225	5.889	5.890	-0.001	95	134903	10.0	6.18	
44 Caprolactam	113	6.138	6.149	-0.011	89	11358	5.00	1.28	
45 4-Chloro-3-methylphenol	107	6.288	6.293	-0.005	95	225355	10.0	7.75	
46 2-Methylnaphthalene	142	6.432	6.434	-0.002	86	600835	10.0	7.55	
47 1-Methylnaphthalene	142	6.525	6.526	-0.001	94	583859	10.0	8.14	
48 Hexachlorocyclopentadiene	237	6.580	6.581	-0.001	97	170461	10.0	6.50	
49 1,2,4,5-Tetrachlorobenzene	216	6.589	6.591	-0.002	98	302634	10.0	8.60	
50 2-tertbutyl-4-methylphenol	149	6.618	6.623	-0.005	93	384301	10.0	8.27	
51 2,4,6-Trichlorophenol	196	6.698	6.703	-0.005	91	198126	10.0	9.33	
52 2,4,5-Trichlorophenol	196	6.736	6.738	-0.002	97	202591	10.0	8.91	
$ 53 2-Fluorobiphenyl	172	6.778	6.783	-0.005	98	650974	10.0	7.56	
54 1,1'-Biphenyl	154	6.874	6.876	-0.002	95	788667	10.0	8.86	
55 2-Chloronaphthalene	162	6.893	6.898	-0.005	98	585483	10.0	8.84	
56 Phenyl ether	170	6.973	6.978	-0.005	86	412269	10.0	8.50	
57 2-Nitroaniline	65	6.992	6.997	-0.005	97	188831	10.0	10.2	
58 1,3-Dimethylnaphthalene	156	7.098	7.103	-0.005	94	472675	10.0	8.62	
59 Dimethyl phthalate	163	7.162	7.167	-0.005	99	656898	10.0	9.20	
60 Coumarin	146	7.188	7.192	-0.004	77	208290	10.0	8.48	
61 2,6-Dinitrotoluene	165	7.223	7.228	-0.005	96	162387	10.0	9.98	
62 Acenaphthylene	152	7.287	7.289	-0.002	97	914624	10.0	8.73	
63 3-Nitroaniline	138	7.383	7.388	-0.005	95	162169	10.0	9.58	
* 64 Acenaphthene-d10	164	7.418	7.423	-0.005	94	490177	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.434	7.436	-0.002	97	472410	10.0	7.17	
66 Acenaphthene	154	7.450	7.455	-0.005	95	577510	10.0	9.05	
67 2,4-Dinitrophenol	184	7.482	7.487	-0.005	96	201702	20.0	19.8	
68 4-Nitrophenol	65	7.549	7.554	-0.005	90	81259	20.0	6.10	
69 2,4-Dinitrotoluene	165	7.604	7.605	-0.001	96	219458	10.0	10.0	
70 Dibenzofuran	168	7.613	7.618	-0.005	96	884740	10.0	8.96	
71 2,3,4,6-Tetrachlorophenol	232	7.732	7.733	-0.001	95	174473	10.0	8.96	
72 Diethyl phthalate	149	7.831	7.836	-0.005	98	638831	10.0	8.52	
74 4-Chlorophenyl phenyl ether	204	7.936	7.942	-0.006	76	338684	10.0	8.63	
73 Fluorene	166	7.936	7.942	-0.006	94	707765	10.0	8.76	
75 4-Nitroaniline	138	7.962	7.967	-0.005	90	153913	10.0	8.85	
76 4,6-Dinitro-2-methylphenol	198	7.988	7.993	-0.005	88	277786	20.0	19.5	
78 N-Nitrosodiphenylamine	169	8.052	8.054	-0.002	68	505122	10.0	8.48	
79 1,2-Diphenylhydrazine	77	8.087	8.092	-0.005	50	680252	10.0	8.28	
144 Azobenzene	77	8.087	8.092	-0.005	0	681713	10.0	8.30	
$ 80 2,4,6-Tribromophenol	330	8.167	8.169	-0.002	95	104727	10.0	9.16	
81 4-Bromophenyl phenyl ether	248	8.400	8.403	-0.002	92	196402	10.0	8.26	
82 Hexachlorobenzene	284	8.455	8.457	-0.002	97	215085	10.0	7.83	
83 Atrazine	200	8.554	8.559	-0.005	93	100536	5.00	4.93	
84 Pentachlorophenol	266	8.644	8.649	-0.005	94	246066	20.0	16.7	
85 Pentachloronitrobenzene	237	8.653	8.659	-0.006	88	80598	10.0	7.66	
87 n-Octadecane	57	8.717	8.720	-0.003	96	398194	10.0	7.87	
* 88 Phenanthrene-d10	188	8.826	8.828	-0.002	99	877260	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.849	8.851	-0.003	97	991907	10.0	8.60	
90 Anthracene	178	8.897	8.899	-0.002	98	1016007	10.0	8.78	
91 Carbazole	167	9.050	9.056	-0.006	95	909755	10.0	9.20	
92 Di-n-butyl phthalate	149	9.379	9.382	-0.003	99	980932	10.0	8.51	
93 Fluoranthene	202	9.971	9.977	-0.006	98	1015004	10.0	8.92	
94 Benzidine	184	10.105	10.108	-0.003	99	324042	10.0	5.67	
95 Pyrene	202	10.188	10.194	-0.006	97	1052389	10.0	8.39	
96 Bisphenol-A	213	10.303	10.303	0.022	97	59829	5.00	1.67	M
$ 97 Terphenyl-d14	244	10.342	10.345	-0.003	97	793113	10.0	7.83	
98 Butyl benzyl phthalate	149	10.854	10.860	-0.006	99	373770	10.0	8.02	
100 Carbamazepine	193	10.969	10.976	-0.007	93	279032	10.0	6.28	
101 3,3'-Dichlorobenzidine	252	11.452	11.459	-0.007	99	284380	10.0	7.91	
102 Benzo[a]anthracene	228	11.474	11.478	-0.004	98	931022	10.0	8.85	
* 103 Chrysene-d12	240	11.484	11.491	-0.007	100	674673	8.00	8.00	
104 Chrysene	228	11.516	11.523	-0.007	99	868900	10.0	8.56	
105 Bis(2-ethylhexyl) phthalate	149	11.522	11.526	-0.004	89	530270	10.0	8.51	
106 Di-n-octyl phthalate	149	12.383	12.390	-0.007	97	831716	10.0	6.59	
107 Benzo[b]fluoranthene	252	12.885	12.893	-0.008	98	860349	10.0	9.11	
108 Benzo[k]fluoranthene	252	12.924	12.931	-0.007	99	932651	10.0	9.18	
109 Benzo[a]pyrene	252	13.349	13.357	-0.008	97	761480	10.0	8.25	
* 110 Perylene-d12	264	13.429	13.437	-0.008	98	675219	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	15.055	15.070	-0.015	99	814440	10.0	9.84	
112 Dibenz(a,h)anthracene	278	15.103	15.115	-0.012	98	846344	10.0	9.27	
113 Benzo[g,h,i]perylene	276	15.520	15.535	-0.015	98	856781	10.0	8.62	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00195 Amount Added: 20.00 Units: uL Run Reagent

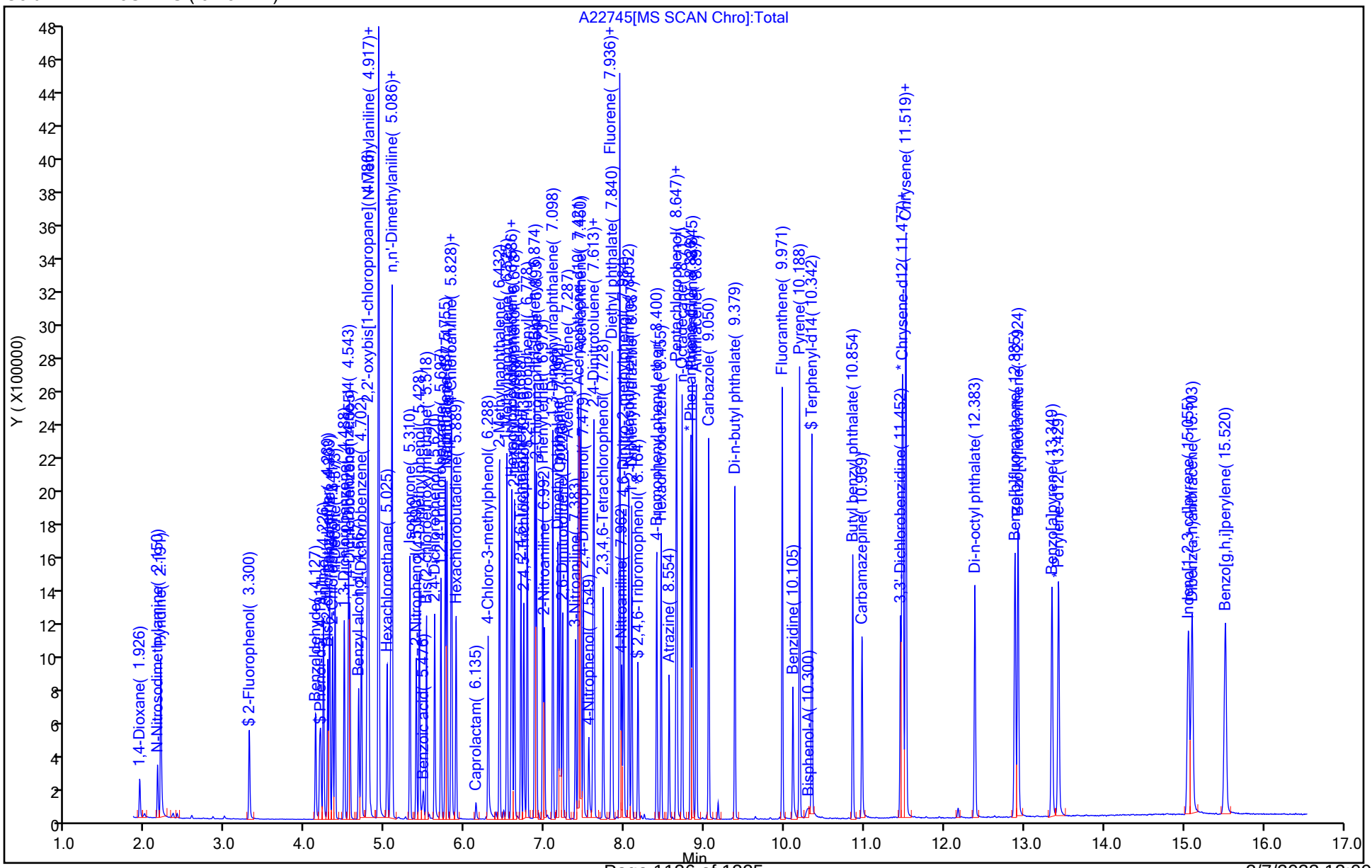
Report Date: 06-Feb-2023 09:23:05 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22745.D

Injection Date:	04-Feb-2023 00:33:30	Instrument ID:	CBNAMS16	Operator ID:	
Lims ID:	LCSD 460-891285/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22745.D
Lims ID: LCSD 460-891285/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 04-Feb-2023 00:33:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156346-006
Operator ID: Instrument ID: CBNAMS16

Method: \\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\8270LVI_16.m
Limit Group: SV 8270E ICAL
Last Update: 06-Feb-2023 09:23:04 Calib Date: 12-Jan-2023 13:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS16\20230112-155564.b\A22157.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: U6BX Date: 04-Feb-2023 01:04:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.38	43.82
$ 6 Phenol-d5	10.0	3.07	30.74
$ 27 Nitrobenzene-d5	10.0	8.45	84.50
$ 53 2-Fluorobiphenyl	10.0	7.56	75.63
$ 80 2,4,6-Tribromophenol	10.0	9.16	91.57
$ 97 Terphenyl-d14	10.0	7.83	78.32

Manual Integration/User Assign Peak Report

Eurofins Edison

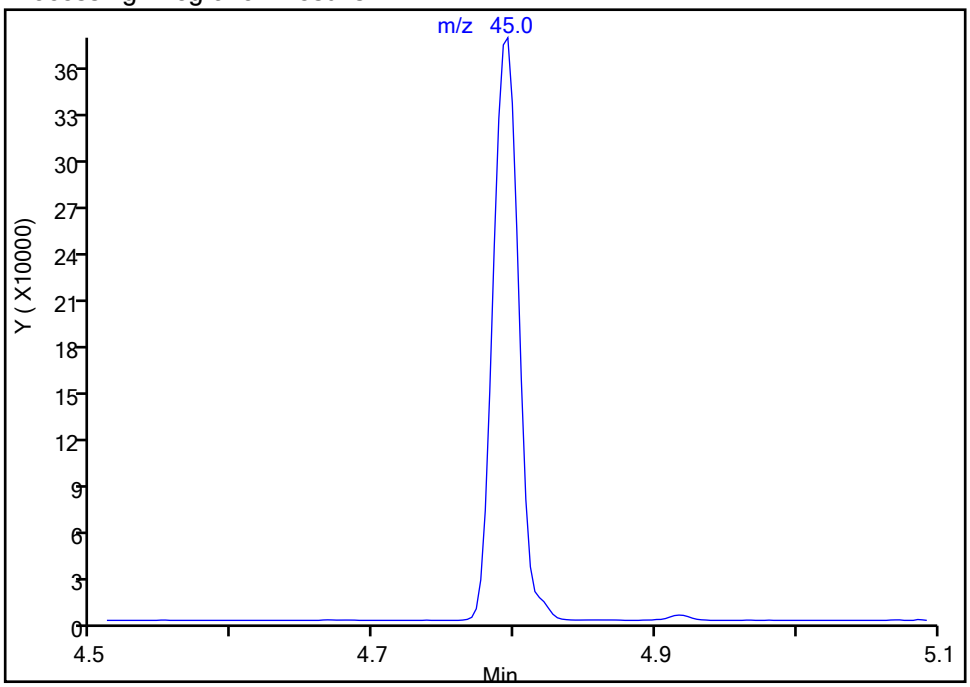
Data File:	\\chromfs\Edison\ChromData\CBNAMS16\20230203-156346.b\A22745.D				
Injection Date:	04-Feb-2023 00:33:30	Instrument ID:	CBNAMS16		
Lims ID:	LCSD 460-891285/3-A				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_16	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

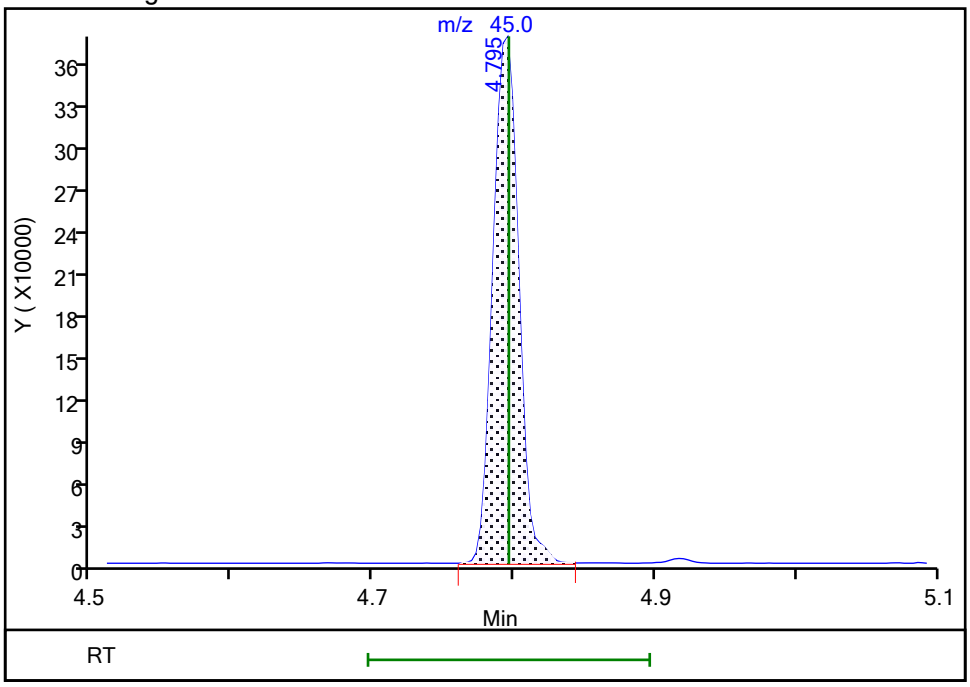
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 479599
Amount: 8.922611
Amount Units: ug/ml



Reviewer: U6BX, 04-Feb-2023 01:04:06
Audit Action: Assigned Compound ID Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS14 Start Date: 01/25/2023 09:32

Analysis Batch Number: 889708 End Date: 01/25/2023 12:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-889708/1		01/25/2023 09:32	1	N41325.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-889708/2		01/25/2023 09:46	1	N41326.d	Rtxi-5Sil MS 0.25(mm)
STD24 460-889708/3 IC		01/25/2023 10:07	1	N41327.d	Rtxi-5Sil MS 0.25(mm)
STD16 460-889708/4 IC		01/25/2023 10:28	1	N41328.d	Rtxi-5Sil MS 0.25(mm)
STD4 460-889708/5 IC		01/25/2023 10:49	1	N41329.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-889708/6 IC		01/25/2023 11:10	1	N41330.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-889708/7 IC		01/25/2023 11:31	1	N41331.d	Rtxi-5Sil MS 0.25(mm)
STD04 460-889708/8 IC		01/25/2023 11:52	1	N41332.d	Rtxi-5Sil MS 0.25(mm)
STD02 460-889708/9 IC		01/25/2023 12:13	1	N41333.d	Rtxi-5Sil MS 0.25(mm)
STD01 460-889708/10 IC		01/25/2023 12:34	1	N41334.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-889708/11		01/25/2023 12:55	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS14 Start Date: 02/02/2023 15:17

Analysis Batch Number: 891145 End Date: 02/02/2023 18:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-891145/1		02/02/2023 15:17	1	N41474.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-891145/2		02/02/2023 15:43	1	N41475.d	Rtxi-5Sil MS 0.25(mm)
STD24 460-891145/3 IC		02/02/2023 16:04	1	N41476.d	Rtxi-5Sil MS 0.25(mm)
STD16 460-891145/4 IC		02/02/2023 16:26	1	N41477.d	Rtxi-5Sil MS 0.25(mm)
STD4 460-891145/5 IC		02/02/2023 16:48	1	N41478.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-891145/6 IC		02/02/2023 17:09	1	N41479.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-891145/7 IC		02/02/2023 17:31	1	N41480.d	Rtxi-5Sil MS 0.25(mm)
STD04 460-891145/8 IC		02/02/2023 17:53	1	N41481.d	Rtxi-5Sil MS 0.25(mm)
STD02 460-891145/9 IC		02/02/2023 18:14	1	N41482.d	Rtxi-5Sil MS 0.25(mm)
STD01 460-891145/10 IC		02/02/2023 18:36	1	N41483.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-891145/11		02/02/2023 18:58	1	N41484.d	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS14 Start Date: 02/05/2023 14:52

Analysis Batch Number: 891527 End Date: 02/06/2023 01:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-891527/2		02/05/2023 14:52	1	N41496a.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 15:36	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 15:57	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 16:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 16:41	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 17:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 17:24	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 17:46	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 18:07	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 18:29	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 18:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 19:12	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 19:34	1		Rtxi-5Sil MS 0.25(mm)
460-273970-1	MW-07_20230202	02/05/2023 19:55	1	N41510.d	Rtxi-5Sil MS 0.25(mm)
460-273970-2	MW-10_20230202	02/05/2023 20:17	1	N41511.d	Rtxi-5Sil MS 0.25(mm)
460-273970-3	MW-09_20230202	02/05/2023 20:38	1	N41512.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 21:00	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 21:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 21:43	1		Rtxi-5Sil MS 0.25(mm)
460-273970-4	MW-08_20230202	02/05/2023 22:05	1	N41516.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 22:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 22:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 23:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 23:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/06/2023 00:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/06/2023 00:36	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/06/2023 00:57	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/06/2023 01:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/06/2023 01:40	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 01/12/2023 06:14

Analysis Batch Number: 887783 End Date: 01/12/2023 13:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-887783/1		01/12/2023 06:14	1	A22138.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-887783/2		01/12/2023 10:16	1	A22149.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-887783/3 IC		01/12/2023 10:37	1	A22150.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-887783/4 IC		01/12/2023 10:58	1	A22151.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-887783/5 IC		01/12/2023 11:19	1	A22152.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-887783/6 IC		01/12/2023 11:40	1	A22153.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-887783/7 IC		01/12/2023 12:01	1	A22154.D	Rtxi-5Sil MS 0.25(mm)
STD04 460-887783/8 IC		01/12/2023 12:22	1	A22155.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-887783/9 IC		01/12/2023 12:43	1	A22156.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-887783/10 IC		01/12/2023 13:05	1	A22157.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-887783/11		01/12/2023 13:26	1	A22158.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS16 Start Date: 02/03/2023 23:04

Analysis Batch Number: 891390 End Date: 02/04/2023 10:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-891390/2		02/03/2023 23:04	1	A22741.D	Rtxi-5Sil MS 0.25(mm)
MB 460-891285/1-A		02/03/2023 23:51	1	A22743.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-891285/2-A		02/04/2023 00:12	1	A22744.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-891285/3-A		02/04/2023 00:33	1	A22745.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 00:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 01:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 01:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 01:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 02:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 02:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 05:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 06:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 06:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 06:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 07:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 07:39	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 08:00	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 08:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 08:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 09:02	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 09:23	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 09:44	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 10:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 10:25	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/04/2023 10:46	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 887783 Batch Start Date: 01/12/23 06:14 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SMDFTP_CH 00034	SV_BNAL1_LVI 00004	SV_BNAL2_LVI 00004	SV_BNAL3_LVI 00005	SV_BNAL4_LVI 00006
DFTPP 460-887783/1		8270E		1 mL	1 mL				
ICIS 460-887783/2		8270E		1 mL					
STD24 460-887783/3 IC		8270E		1 mL					
STD16 460-887783/4 IC		8270E		1 mL					
STD4 460-887783/5 IC		8270E		1 mL					
STD2 460-887783/6 IC		8270E		1 mL					
STD1 460-887783/7 IC		8270E		1 mL					1 mL
STD04 460-887783/8 IC		8270E		1 mL				1 mL	
STD02 460-887783/9 IC		8270E		1 mL			1 mL		
STD01 460-887783/10 IC		8270E		1 mL		1 mL			
ICV 460-887783/11		8270E		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	SV_ICV_ LVI 00009
DFTPP 460-887783/1		8270E							
ICIS 460-887783/2		8270E				1 mL			
STD24 460-887783/3 IC		8270E						1 mL	
STD16 460-887783/4 IC		8270E					1 mL		
STD4 460-887783/5 IC		8270E			1 mL				
STD2 460-887783/6 IC		8270E		1 mL					
STD1 460-887783/7 IC		8270E							
STD04 460-887783/8 IC		8270E							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 887783 Batch Start Date: 01/12/23 06:14 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	SV_ICV_ LVI 00009
STD02 460-887783/9 IC		8270E							
STD01 460-887783/10 IC		8270E							
ICV 460-887783/11		8270E							1 mL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 889708 Batch Start Date: 01/25/23 09:32 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SMDFTP_CH 00034	SV_BNAL1_LVI 00004	SV_BNAL2_LVI 00004	SV_BNAL3_LVI 00005	SV_BNAL4_LVI 00006
DFTPP 460-889708/1		8270E		1 mL	1 mL				
ICIS 460-889708/2		8270E		1 mL					
STD24 460-889708/3 IC		8270E		1 mL					
STD16 460-889708/4 IC		8270E		1 mL					
STD4 460-889708/5 IC		8270E		1 mL					
STD2 460-889708/6 IC		8270E		1 mL					
STD1 460-889708/7 IC		8270E		1 mL					1 mL
STD04 460-889708/8 IC		8270E		1 mL				1 mL	
STD02 460-889708/9 IC		8270E		1 mL			1 mL		
STD01 460-889708/10 IC		8270E		1 mL		1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	
DFTPP 460-889708/1		8270E							
ICIS 460-889708/2		8270E				1 mL			
STD24 460-889708/3 IC		8270E						1 mL	
STD16 460-889708/4 IC		8270E					1 mL		
STD4 460-889708/5 IC		8270E			1 mL				
STD2 460-889708/6 IC		8270E		1 mL					
STD1 460-889708/7 IC		8270E							
STD04 460-889708/8 IC		8270E							
STD02 460-889708/9 IC		8270E							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 889708 Batch Start Date: 01/25/23 09:32 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	
STD01 460-889708/10 IC		8270E							

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891145 Batch Start Date: 02/02/23 15:17 Batch Analyst: Nimer, Diaa

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SMDFTP_CH 00034	SV_BNAL1_LVI 00004	SV_BNAL2_LVI 00004	SV_BNAL3_LVI 00005	SV_BNAL4_LVI 00006
DFTPP 460-891145/1		8270E		1 mL	1 mL				
ICIS 460-891145/2		8270E		1 mL					
STD24 460-891145/3 IC		8270E		1 mL					
STD16 460-891145/4 IC		8270E		1 mL					
STD4 460-891145/5 IC		8270E		1 mL					
STD2 460-891145/6 IC		8270E		1 mL					
STD1 460-891145/7 IC		8270E		1 mL					1 mL
STD04 460-891145/8 IC		8270E		1 mL				1 mL	
STD02 460-891145/9 IC		8270E		1 mL			1 mL		
STD01 460-891145/10 IC		8270E		1 mL		1 mL			
ICV 460-891145/11		8270E		1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	SV_ICV_ LVI 00009
DFTPP 460-891145/1		8270E							
ICIS 460-891145/2		8270E				1 mL			
STD24 460-891145/3 IC		8270E						1 mL	
STD16 460-891145/4 IC		8270E					1 mL		
STD4 460-891145/5 IC		8270E			1 mL				
STD2 460-891145/6 IC		8270E		1 mL					
STD1 460-891145/7 IC		8270E							
STD04 460-891145/8 IC		8270E							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891145 Batch Start Date: 02/02/23 15:17 Batch Analyst: Nimer, Diaa

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	SV_BNAL5_LVI 00006	SV_BNAL6_LVI 00007	SV_BNAL7_LVI 00007	SV_BNAL8_LVI 00006	SV_BNAL9_LVI 00005	SV_ICV_ LVI 00009
STD02 460-891145/9 IC		8270E							
STD01 460-891145/10 IC		8270E							
ICV 460-891145/11		8270E							1 mL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891285 Batch Start Date: 02/03/23 08:50 Batch Analyst: Shukla, Sameer X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00019
MB 460-891285/1		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-891285/2		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-891285/3		3510C, 8270E		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-273970-F-1	MW-07_20230202	3510C, 8270E	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-F-2	MW-10_20230202	3510C, 8270E	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-D-3	MW-09_20230202	3510C, 8270E	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-F-4	MW-08_20230202	3510C, 8270E	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00047	OP_BNASurroga 00024				
MB 460-891285/1		3510C, 8270E			200 uL				
LCS 460-891285/2		3510C, 8270E		200 uL	200 uL				
LCSD 460-891285/3		3510C, 8270E		200 uL	200 uL				
460-273970-F-1	MW-07_20230202	3510C, 8270E	T		200 uL				
460-273970-F-2	MW-10_20230202	3510C, 8270E	T		200 uL				
460-273970-D-3	MW-09_20230202	3510C, 8270E	T		200 uL				
460-273970-F-4	MW-08_20230202	3510C, 8270E	T		200 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891285 Batch Start Date: 02/03/23 08:50 Batch Analyst: Shukla, Sameer X

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	HC-293086
Analyst ID - Extraction	SS
Analyst ID - Spike Analyst	SS
Analyst ID - Spike Witness Analyst	OS
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	862016
Base Used to Adjust pH ID	RICCA - LOT Number - 2212A21
Prep Solvent ID	Methylene Chloride: 562004
Na2SO4 ID	217726
Analyst ID - Concentration	SS
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21086154A
Batch Comment	BNA Water

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.

8270E_SIM_MS_ID

Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DXE #
MW-07_20230202	460-273970-1	40
MW-10_20230202	460-273970-2	67
MW-09_20230202	460-273970-3	31
MW-08_20230202	460-273970-4	27
	MB 460-891440/1-A	70
	LCS 460-891440/2-A	32
	LCSD 460-891440/3-A	36

	QC LIMITS
DXE = 1,4-Dioxane-d8	10-150

Column to be used to flag recovery values

FORM II 8270E SIM ID

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 275469.D

Lab ID: LCS 460-891440/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.60	1.53	96	50-142	
1,4-Dioxane-d8	32.0	10.3	32	10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 275470.D

Lab ID: LCSD 460-891440/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.60	1.60	100	4	20	50-142	
1,4-Dioxane-d8	32.0	11.4	36			10-150	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM ID

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: 275468.D Lab Sample ID: MB 460-891440/1-A

Matrix: Water Date Extracted: 02/04/2023 11:50

Instrument ID: CBNAMS9 Date Analyzed: 02/05/2023 14:39

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-891440/2-A	275469.D	02/05/2023 14:54
	LCSD 460-891440/3-A	275470.D	02/05/2023 15:11
MW-07_20230202	460-273970-1	275478.D	02/05/2023 17:18
MW-10_20230202	460-273970-2	275479.D	02/05/2023 17:34
MW-09_20230202	460-273970-3	275480.D	02/05/2023 17:50
MW-08_20230202	460-273970-4	275481.D	02/05/2023 18:05

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab File ID: 274362.D DFTPP Injection Date: 12/08/2022

Instrument ID: CBNAMS9 DFTPP Injection Time: 10:20

Analysis Batch No.: 882006

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.2	(1.0) 1
69	Present	18.8	
70	Less than 2% of m/z 69	0.1	(0.5) 1
197	Less than 2% of m/z 198	0.4	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.7	
365	Greater than 1% of Base Peak	3.6	
441	Less than 150% of m/z 443	11.7	(76.4) 3
442	Present	76.8	
443	15-24% of m/z 442	15.4	(20.0) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 460-882006/3	274364.D	12/08/2022	10:48

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

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Sample No.: CCVIS 460-891532/2 Date Analyzed: 02/05/2023 14:11

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): 275467.D Heated Purge: (Y/N) N

Calibration ID: 91912

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		10939	5.63				
UPPER LIMIT		21878	6.13				
LOWER LIMIT		5470	5.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-891440/1-A		13655	5.63				
LCS 460-891440/2-A		14256	5.63				
LCSD 460-891440/3-A		11975	5.63				
460-273970-1	MW-07_20230202	12307	5.63				
460-273970-2	MW-10_20230202	11943	5.63				
460-273970-3	MW-09_20230202	14748	5.63				
460-273970-4	MW-08_20230202	11596	5.63				

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 SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-07_20230202 | Lab Sample ID: 460-273970-1

Matrix: Water | Lab File ID: 275478.D

Analysis Method: 8270E SIM ID | Date Collected: 02/02/2023 12:50

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:51

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 17:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	40		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275478.D
Lims ID: 460-273970-E-1-A
Client ID: MW-07_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 17:18:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-013
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:08:10 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:09:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.999	1.992	0.007	5	17316	1.61	40.4	
*	4 1,4-Dichlorobenzene-d4	150	5.631	5.627	0.004	1	12307	0.2000		

QC Flag Legend
Processing Flags

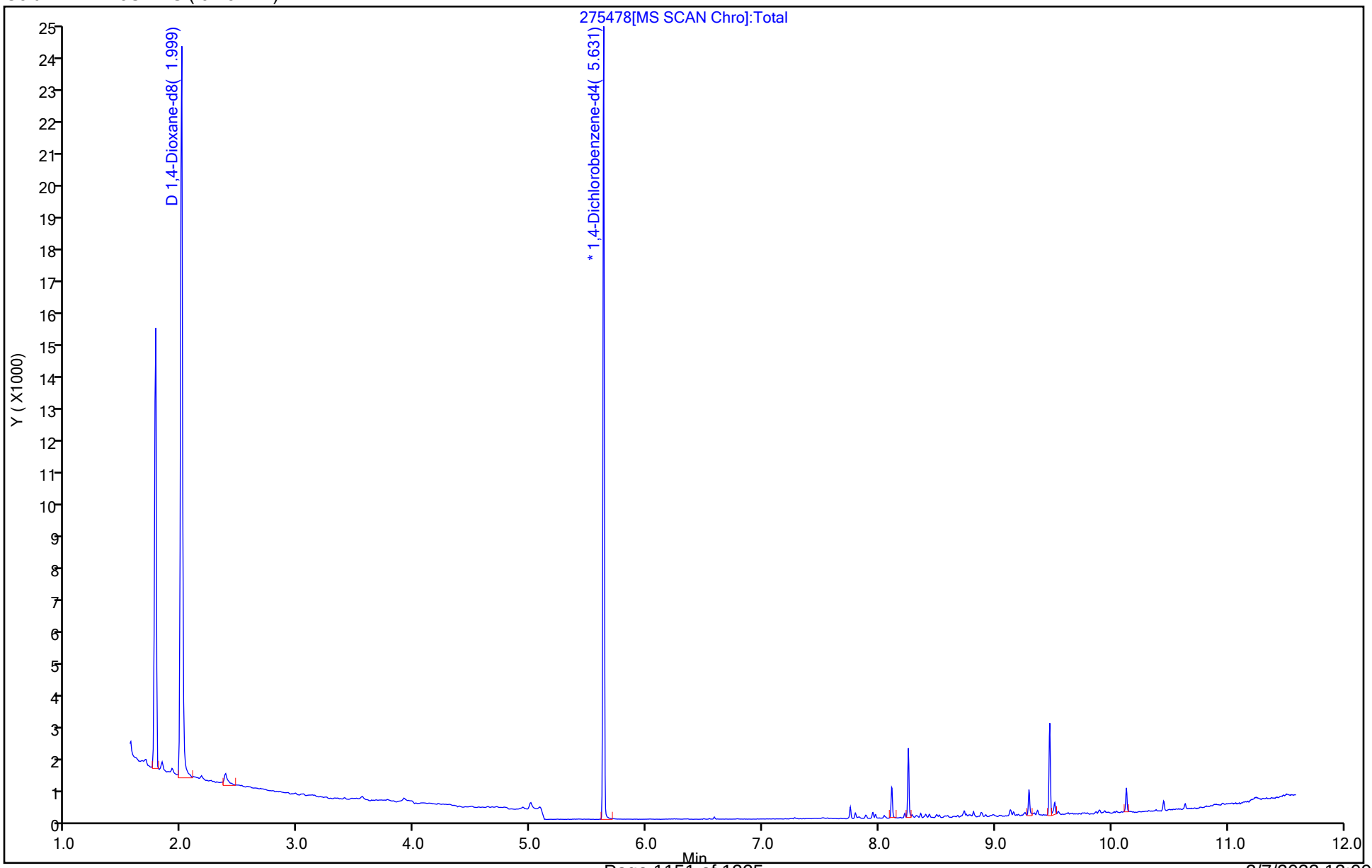
Reagents:
SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Feb-2023 07:09:02 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275478.D				
Injection Date:	05-Feb-2023 17:18:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-273970-E-1-A	Lab Sample ID:	460-273970-1	Worklist Smp#:	13
Client ID:	MW-07_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)

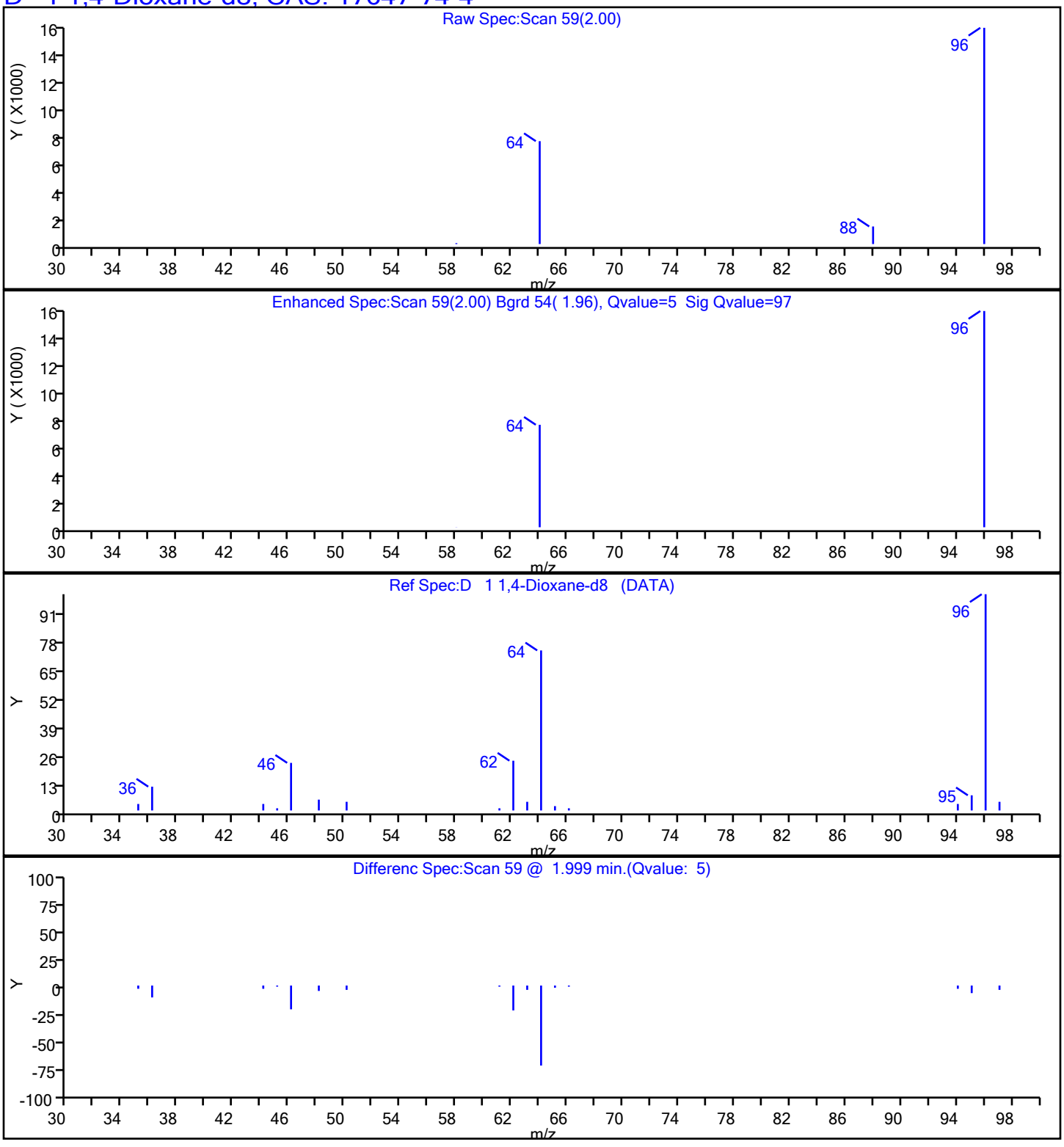


2/7/2023 12:09 PM

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275478.D				
Injection Date:	05-Feb-2023 17:18:30	Instrument ID:	CBNAMS9		
Lims ID:	460-273970-E-1-A	Lab Sample ID:	460-273970-1		
Client ID:	MW-07_20230202				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-10_20230202 | Lab Sample ID: 460-273970-2

Matrix: Water | Lab File ID: 275479.D

Analysis Method: 8270E SIM ID | Date Collected: 02/02/2023 13:35

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:51

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 17:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	67		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275479.D
Lims ID: 460-273970-E-2-A
Client ID: MW-10_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 17:34:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-014
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:08:10 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:09:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.992	1.992	0.000	12	27905	2.68	67.0	
*	4 1,4-Dichlorobenzene-d4	150	5.627	5.627	0.000	1	11943	0.2000		

QC Flag Legend

Processing Flags

Reagents:

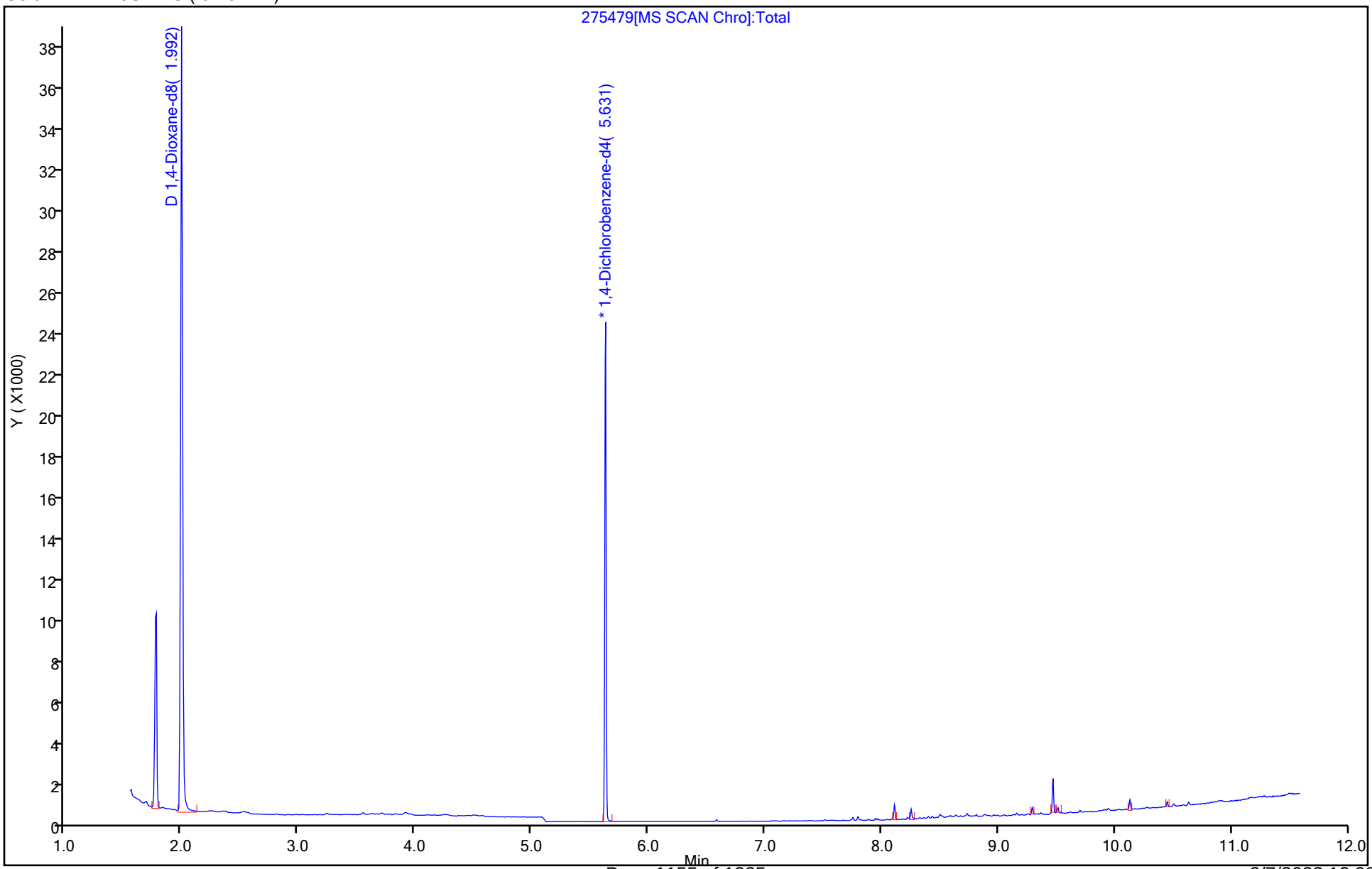
SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Feb-2023 07:09:12 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275479.D				
Injection Date:	05-Feb-2023 17:34:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-273970-E-2-A	Lab Sample ID:	460-273970-2	Worklist Smp#:	14
Client ID:	MW-10_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)

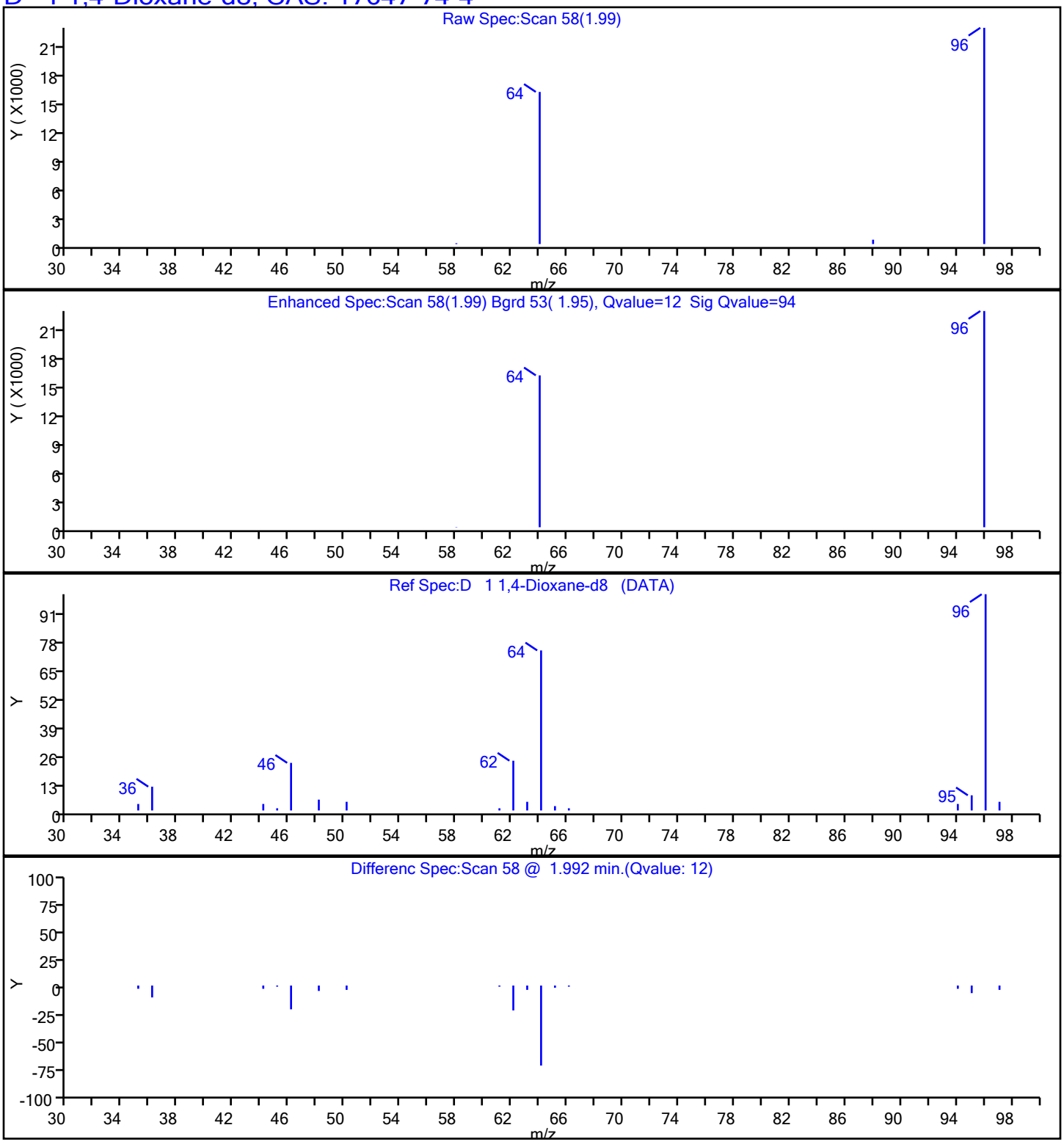


2/7/2023 12:09 PM

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275479.D		
Injection Date:	05-Feb-2023 17:34:30	Instrument ID:	CBNAMS9
Lims ID:	460-273970-E-2-A	Lab Sample ID:	460-273970-2
Client ID:	MW-10_20230202		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-09_20230202 | Lab Sample ID: 460-273970-3

Matrix: Water | Lab File ID: 275480.D

Analysis Method: 8270E SIM ID | Date Collected: 02/02/2023 14:05

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:51

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 17:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.97		0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	31		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275480.D
Lims ID: 460-273970-E-3-A
Client ID: MW-09_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 17:50:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-015
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:09:30 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:09:37

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.999	1.992	0.007	4	16055	1.25	31.2	
	2 1,4-Dioxane	88	2.030	2.030	0.007	18	610	0.1207		M
*	4 1,4-Dichlorobenzene-d4	150	5.627	5.627	0.000	1	14748	0.2000		

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

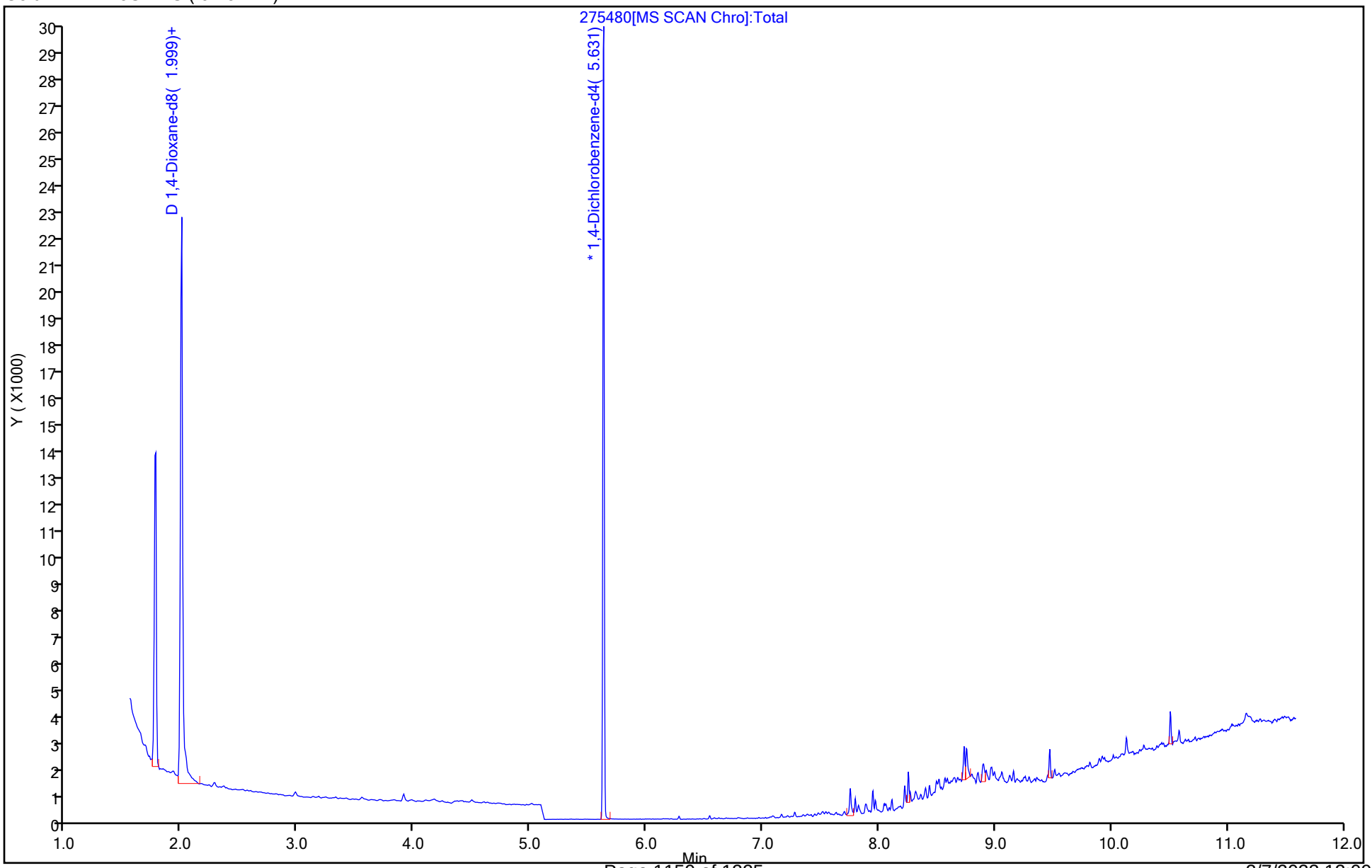
Report Date: 06-Feb-2023 07:09:37 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275480.D

Injection Date:	05-Feb-2023 17:50:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-273970-E-3-A	Lab Sample ID:	460-273970-3	Worklist Smp#:	15
Client ID:	MW-09_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)

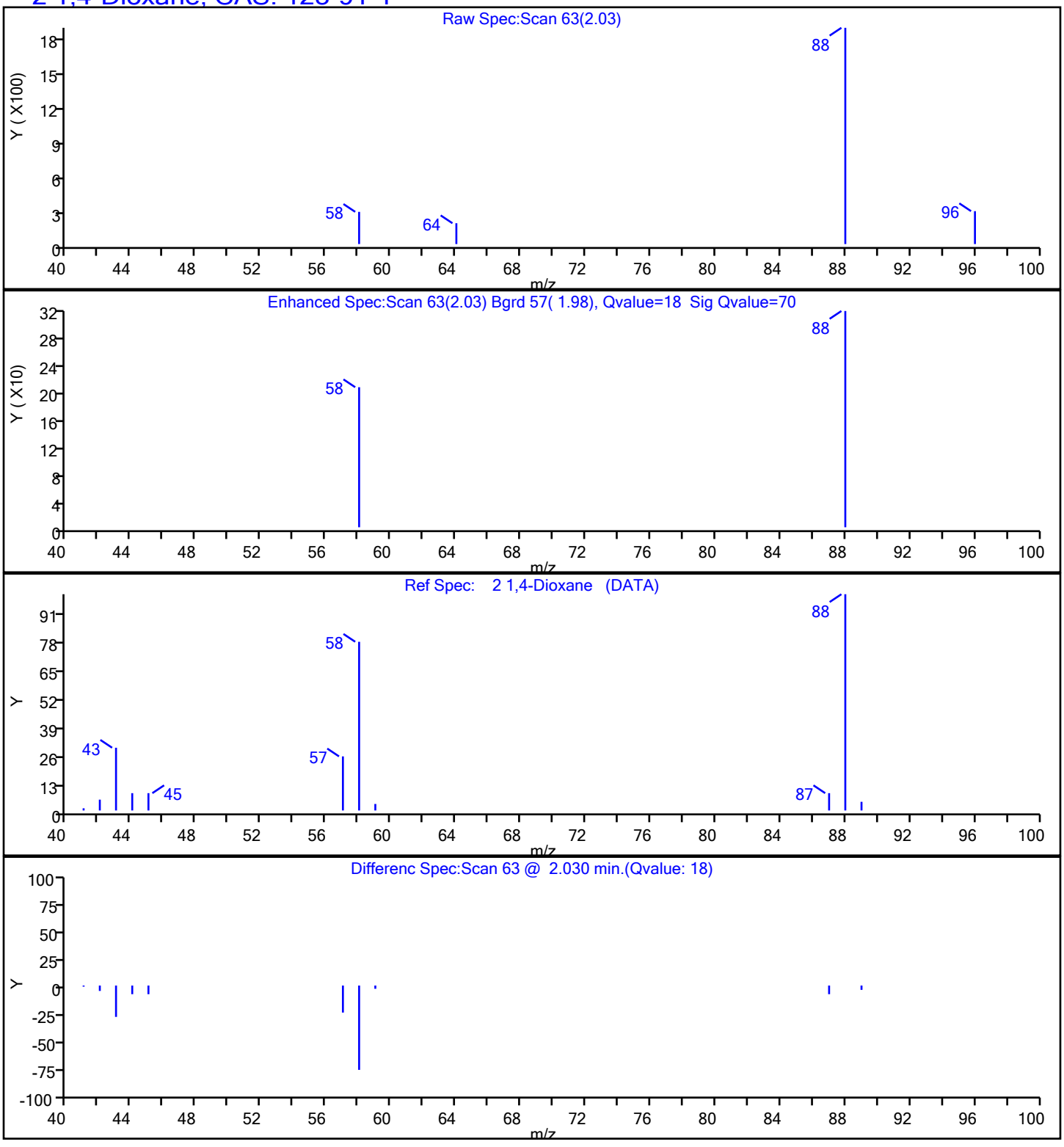


2/7/2023 12:09 PM

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275480.D		
Injection Date:	05-Feb-2023 17:50:30	Instrument ID:	CBNAMS9
Lims ID:	460-273970-E-3-A	Lab Sample ID:	460-273970-3
Client ID:	MW-09_20230202		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

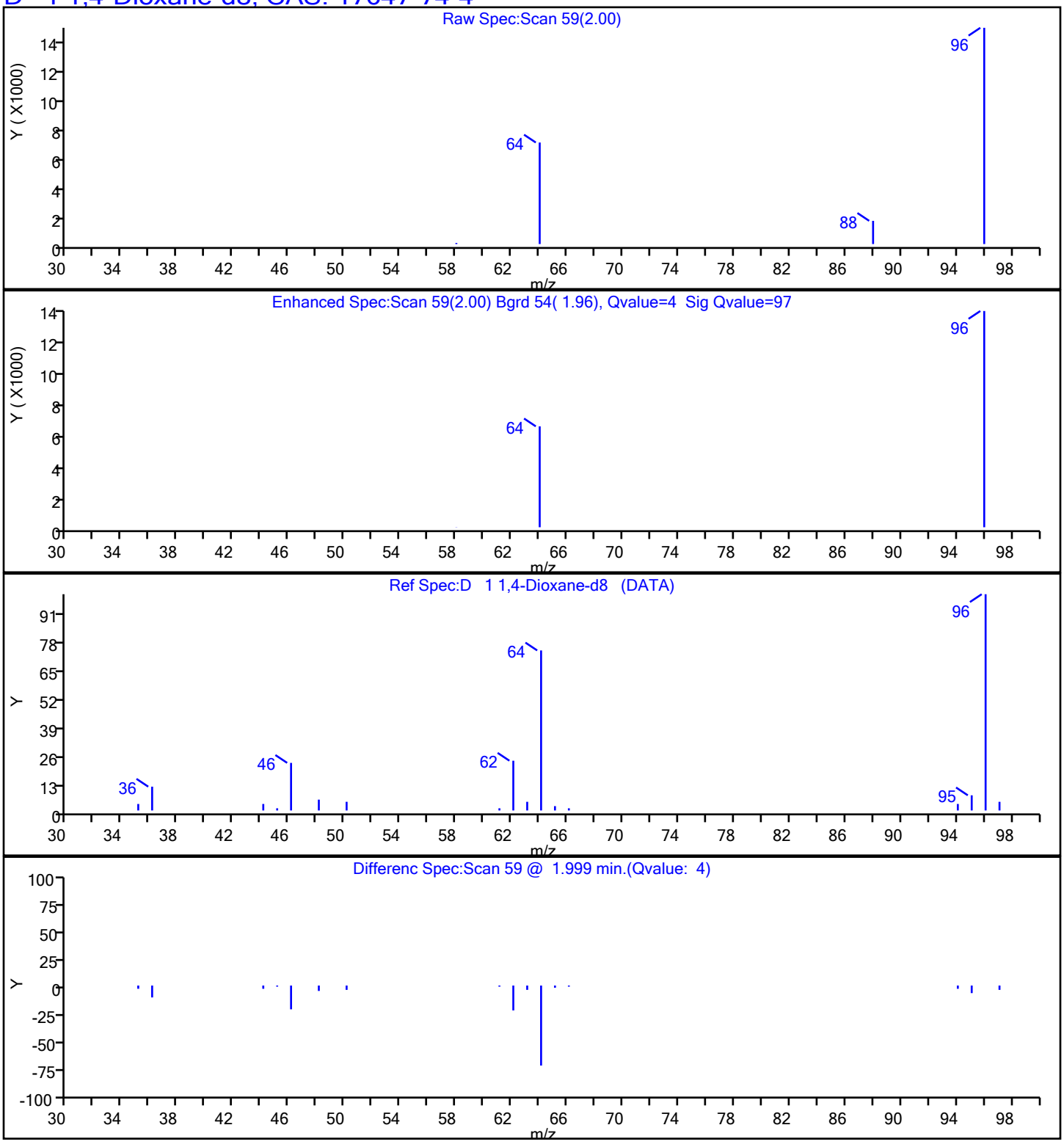
2 1,4-Dioxane, CAS: 123-91-1



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275480.D		
Injection Date:	05-Feb-2023 17:50:30	Instrument ID:	CBNAMS9
Lims ID:	460-273970-E-3-A	Lab Sample ID:	460-273970-3
Client ID:	MW-09_20230202		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



Manual Integration/User Assign Peak Report

Eurofins Edison

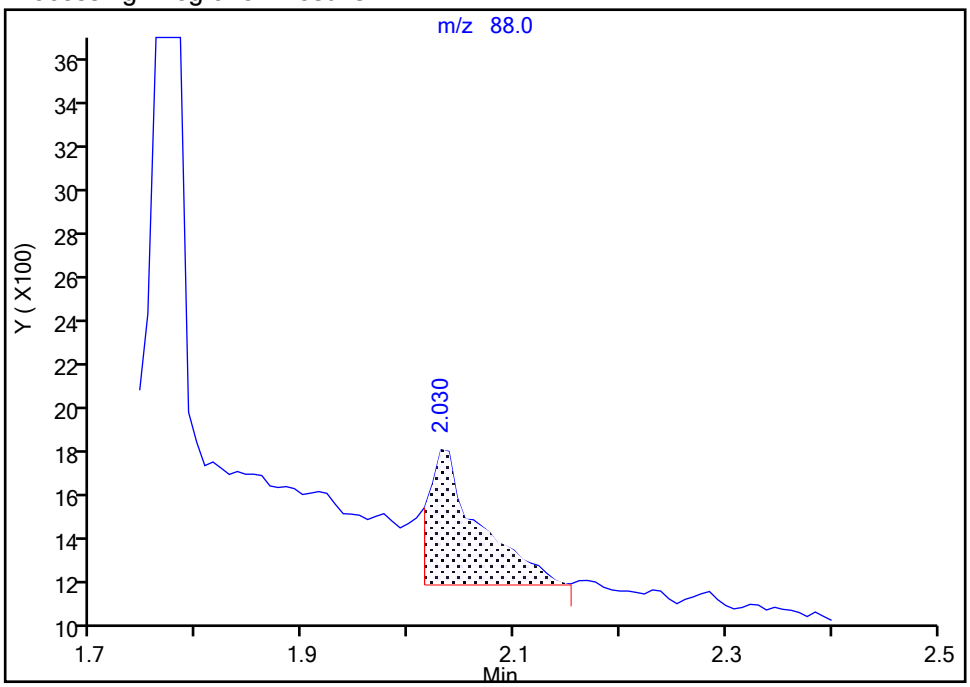
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275480.D				
Injection Date:	05-Feb-2023 17:50:30	Instrument ID:	CBNAMS9		
Lims ID:	460-273970-E-3-A	Lab Sample ID:	460-273970-3		
Client ID:	MW-09_20230202				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

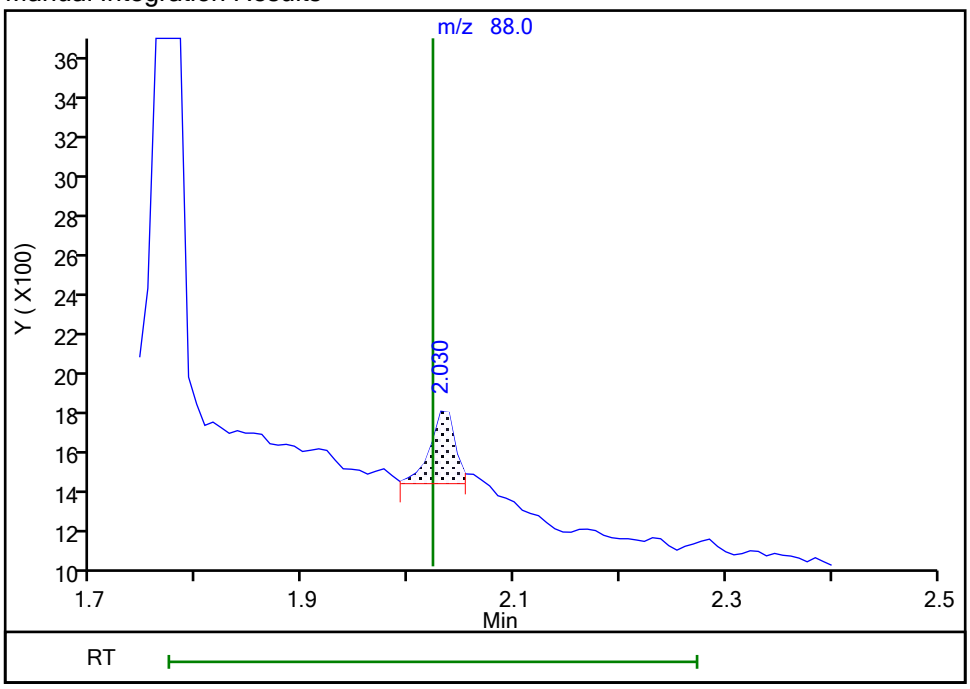
Processing Integration Results

RT: 2.03
Area: 1962
Amount: 0.388215
Amount Units: ug/ml



Manual Integration Results

RT: 2.03
Area: 610
Amount: 0.120699
Amount Units: ug/ml



Reviewer: khlungprakhons, 06-Feb-2023 07:09:27

Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: MW-08_20230202 | Lab Sample ID: 460-273970-4

Matrix: Water | Lab File ID: 275481.D

Analysis Method: 8270E SIM ID | Date Collected: 02/02/2023 14:30

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:51

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 18:05

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.88		0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	27		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275481.D
Lims ID: 460-273970-E-4-A
Client ID: MW-08_20230202
Sample Type: Client
Inject. Date: 05-Feb-2023 18:05:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-016
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:09:30 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:09:50

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	%Rec	Flags
D	1 1,4-Dioxane-d8	96	1.999	1.992	0.007	6	10873	1.08	26.9	
	2 1,4-Dioxane	88	2.038	2.030	0.015	8	375	0.1096		
*	4 1,4-Dichlorobenzene-d4	150	5.627	5.627	0.000	1	11596	0.2000		

QC Flag Legend
Processing Flags

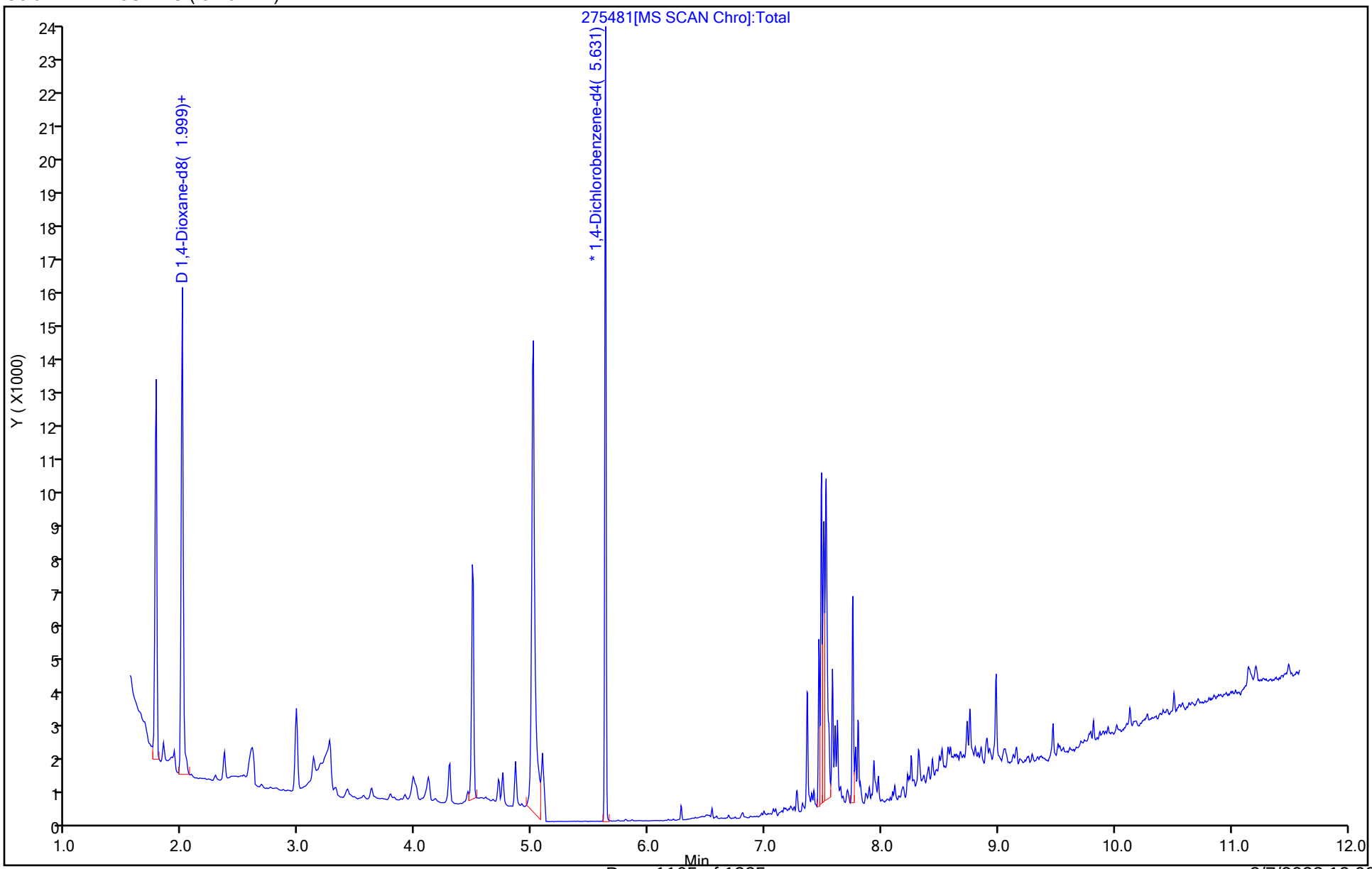
Reagents:
SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Feb-2023 07:09:50 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275481.D				
Injection Date:	05-Feb-2023 18:05:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	460-273970-E-4-A	Lab Sample ID:	460-273970-4	Worklist Smp#:	16
Client ID:	MW-08_20230202				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

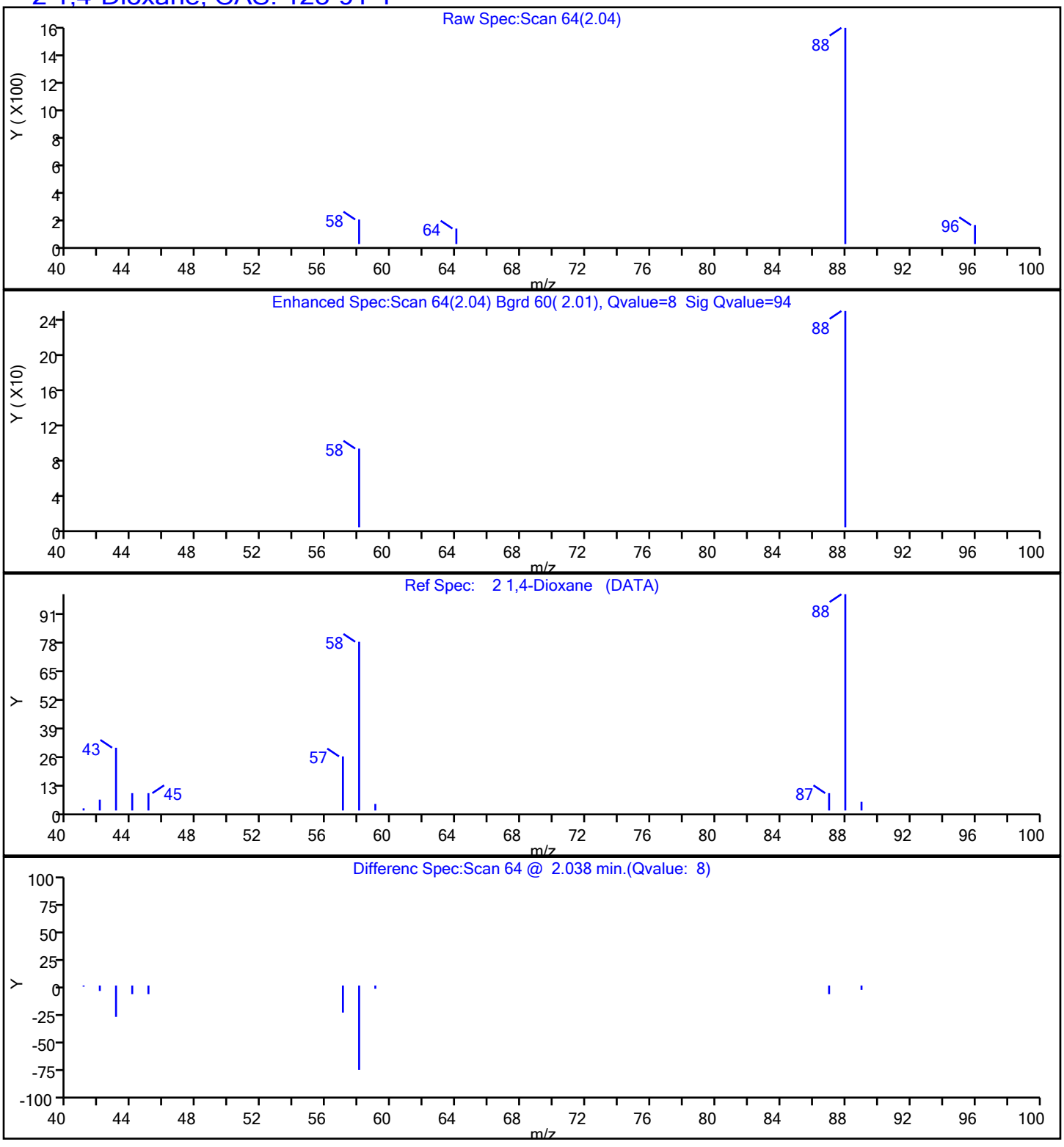
Report Date: 06-Feb-2023 07:09:50 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275481.D

Injection Date:	05-Feb-2023 18:05:30	Instrument ID:	CBNAMS9		
Lims ID:	460-273970-E-4-A	Lab Sample ID:	460-273970-4		
Client ID:	MW-08_20230202				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

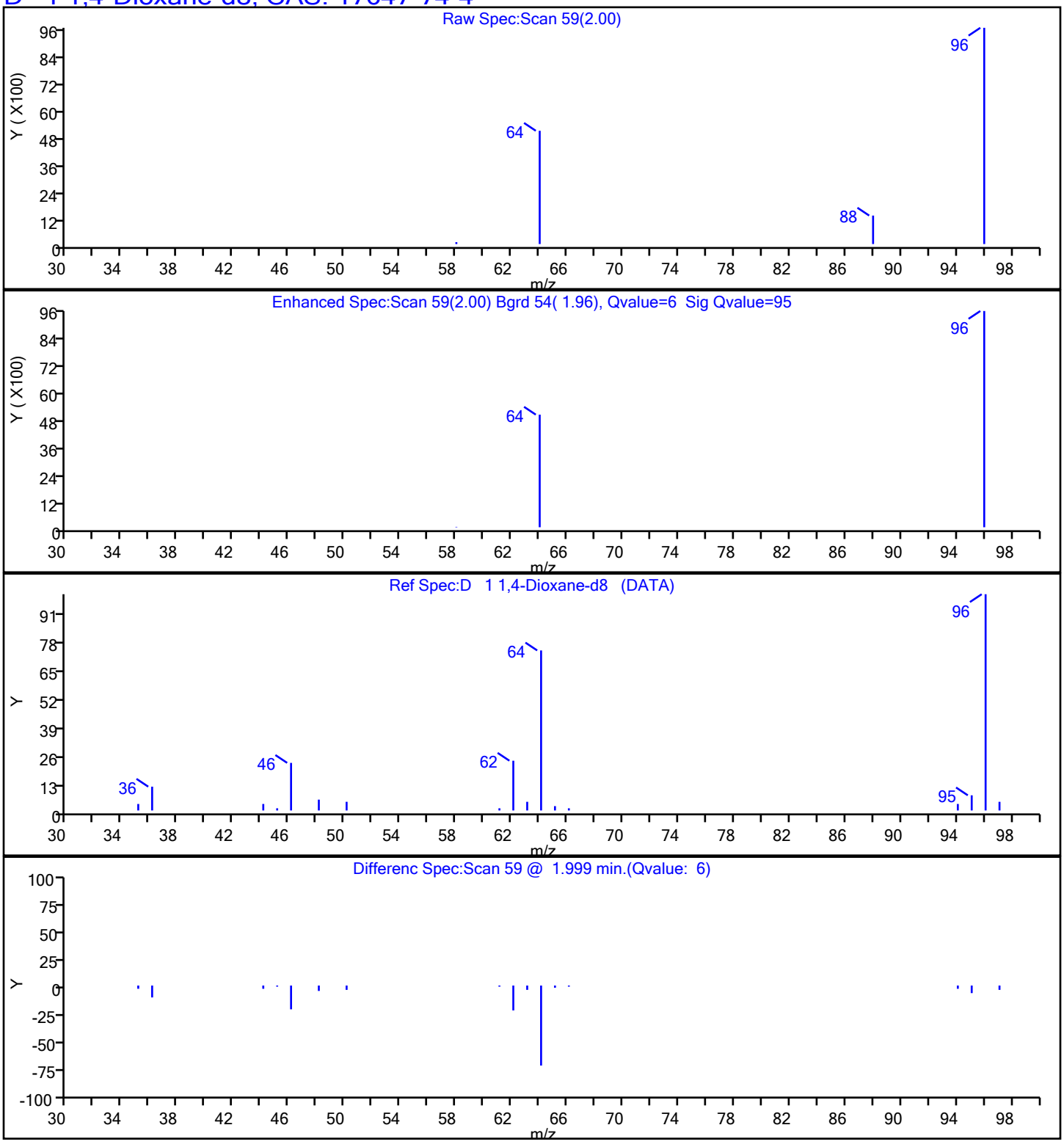
2 1,4-Dioxane, CAS: 123-91-1



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275481.D		
Injection Date:	05-Feb-2023 18:05:30	Instrument ID:	CBNAMS9
Lims ID:	460-273970-E-4-A	Lab Sample ID:	460-273970-4
Client ID:	MW-08_20230202		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 881795

SDG No.:

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2022 20:37 Calibration End Date: 12/07/2022 22:45 Calibration ID: 91912

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-881795/10	274360.D
Level 2	STD2 460-881795/9	274359.D
Level 3	STD3 460-881795/8	274358.D
Level 4	STD4 460-881795/7	274357.D
Level 5	ICIS 460-881795/2	274352.D
Level 6	STD6 460-881795/6	274356.D
Level 7	STD7 460-881795/5	274355.D
Level 8	STD8 460-881795/4	274354.D
Level 9	STD9 460-881795/3	274353.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	1.5585 1.1926	1.3086 1.1985	1.3382 1.1642	1.2186 1.1362	1.2168	AveID		1.2591				10.3		50.0			
1,4-Dioxane-d8	0.1802 0.1795	0.1798 0.1821	0.1777 0.1789	0.1805 0.1645	0.1451	Ave		0.1742				6.9					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-273970-1 Analy Batch No.: 881795

SDG No.:

Instrument ID: CBNAMS9 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2022 20:37 Calibration End Date: 12/07/2022 22:45 Calibration ID: 91912

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-881795/10	274360.D
Level 2	STD2 460-881795/9	274359.D
Level 3	STD3 460-881795/8	274358.D
Level 4	STD4 460-881795/7	274357.D
Level 5	ICIS 460-881795/2	274352.D
Level 6	STD6 460-881795/6	274356.D
Level 7	STD7 460-881795/5	274355.D
Level 8	STD8 460-881795/4	274354.D
Level 9	STD9 460-881795/3	274353.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane		AveID	401	709	1774	3423	9233	0.0200	0.0400	0.100	0.200	0.500
			15631	30733	166006	1320782		1.00	2.00	10.0	100	
1,4-Dioxane-d8	DCBd4	Ave	51459	54180	53026	56178	60704	4.00	4.00	4.00	4.00	4.00
			52427	51284	57037	46497		4.00	4.00	4.00	4.00	

Curve Type Legend

Ave = Average ISTD
AveID = Average isotope dilution

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274352.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-Dec-2022 20:37:30 ALS Bottle#: 11 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-002
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:52 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:17:36

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	4	60704	4.00	3.33	a
	2 1,4-Dioxane	88	2.115	2.115	0.000	14	9233	0.5000	0.4832	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	20922	0.2000	0.2000	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

SM_ISOTOPL5_00009 Amount Added: 1.00 Units: mL

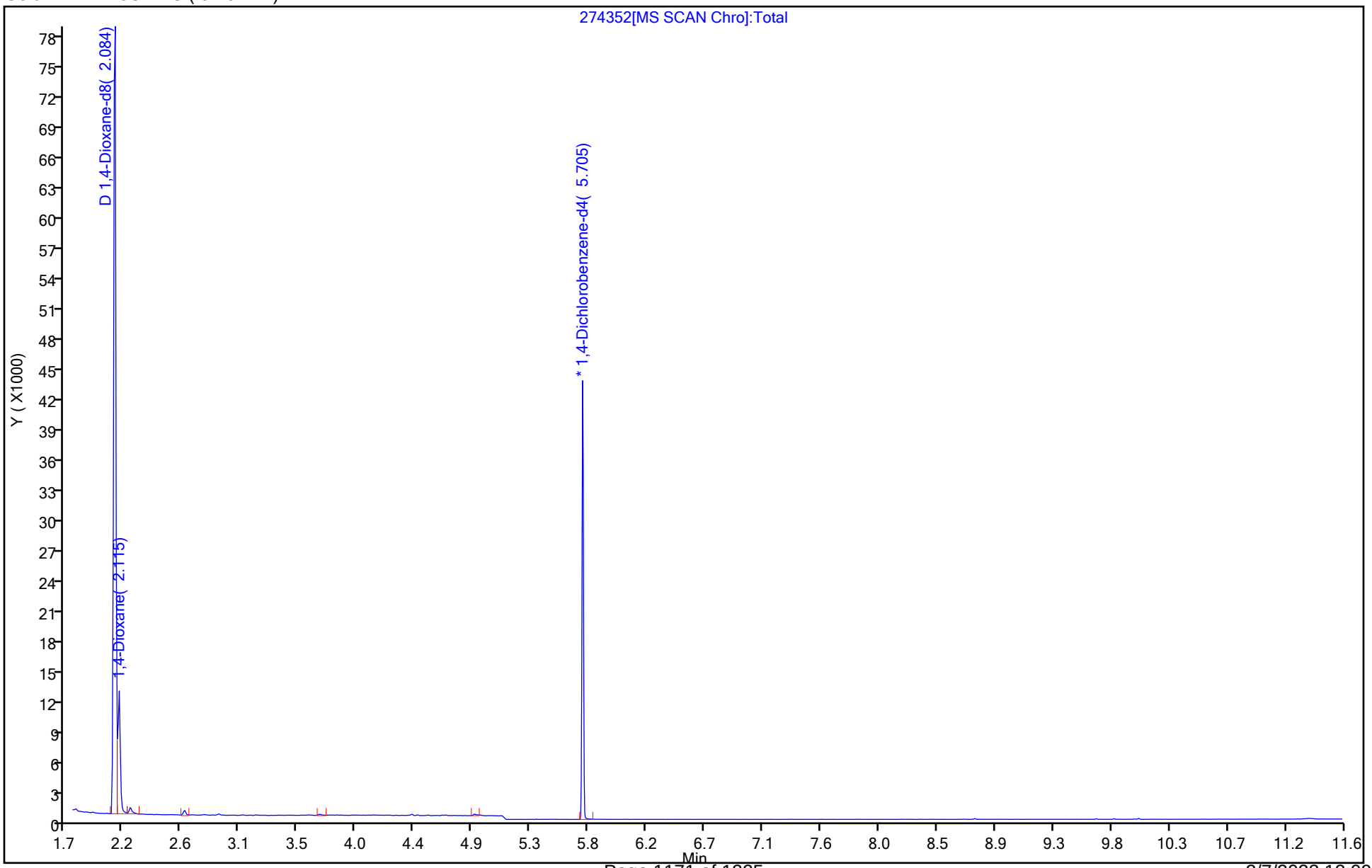
Report Date: 08-Dec-2022 10:00:52 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274352.D

Injection Date:	07-Dec-2022 20:37:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

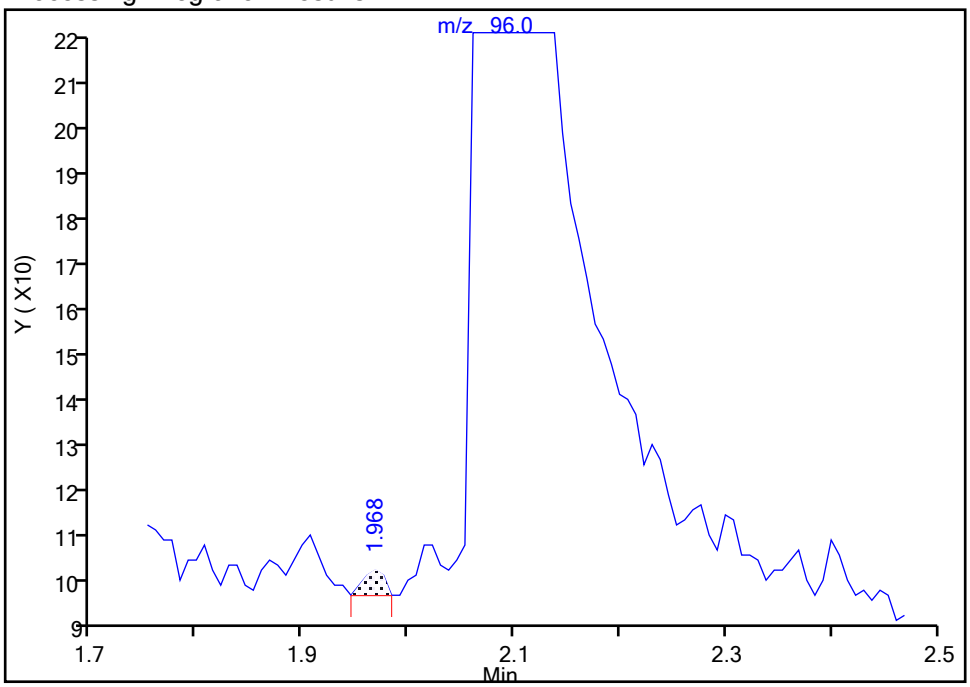
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274352.D
Injection Date: 07-Dec-2022 20:37:30 Instrument ID: CBNAMS9
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

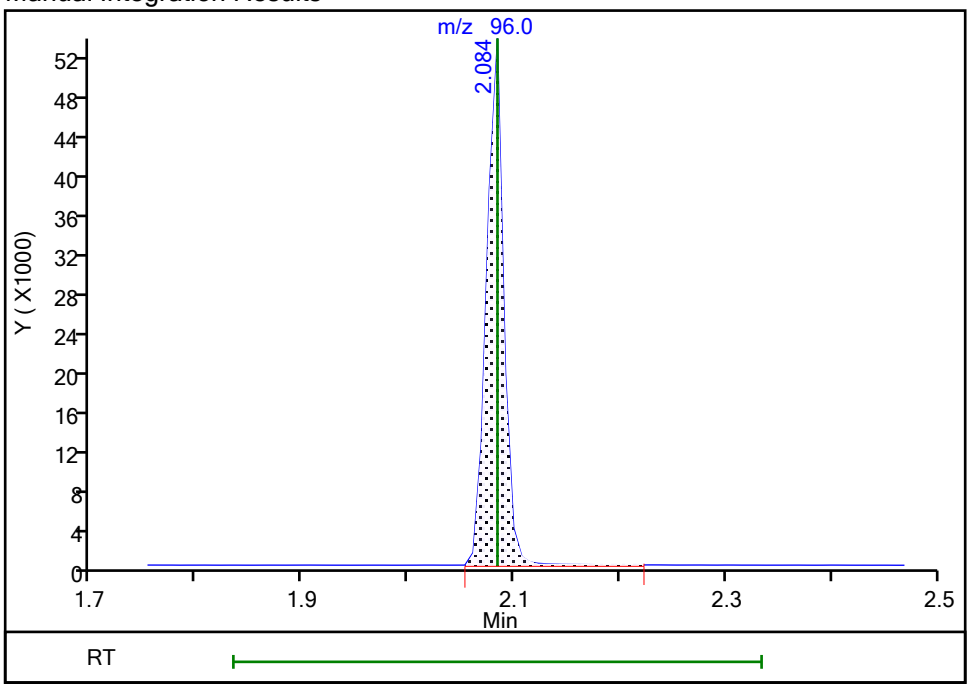
Processing Integration Results

RT: 1.97
Area: 7
Amount: 0.001683
Amount Units: ug/ml



Manual Integration Results

RT: 2.08
Area: 60704
Amount: 3.330271
Amount Units: ug/ml



Reviewer: LKI7, 08-Dec-2022 09:17:53
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274353.D
Lims ID: STD9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 07-Dec-2022 20:53:30 ALS Bottle#: 12 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-003
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:53 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.076	2.084	-0.008	4	46497	4.00	3.78	
	2 1,4-Dioxane	88	2.099	2.115	-0.016	18	1320782	100.0	90.2	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	14130	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL9_00003 Amount Added: 1.00 Units: mL

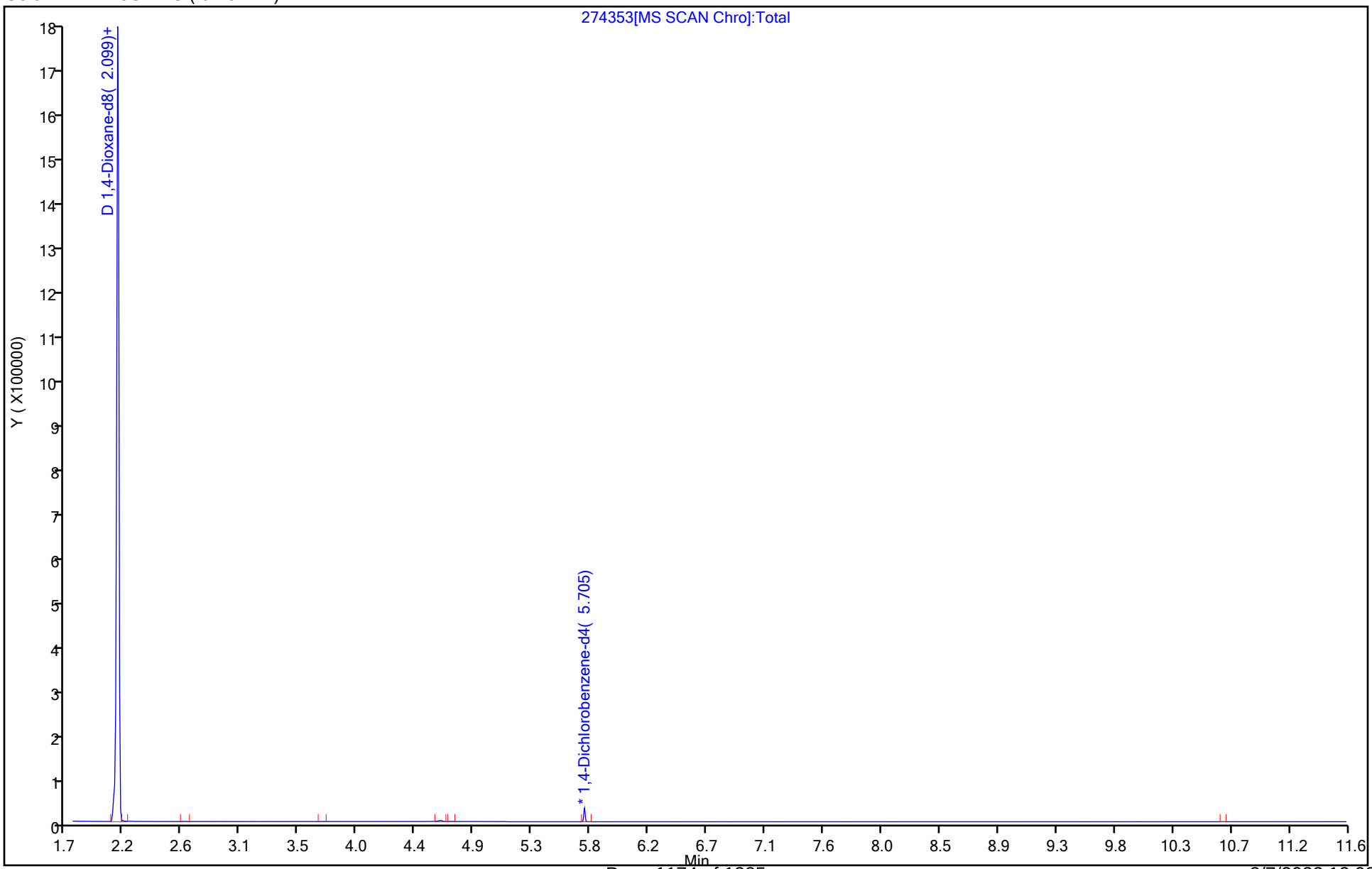
Report Date: 08-Dec-2022 10:00:53 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274353.D

Injection Date:	07-Dec-2022 20:53:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD9			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274354.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 07-Dec-2022 21:09:30 ALS Bottle#: 13 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-004
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:53 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	2	57037	4.00	4.11	
	2 1,4-Dioxane	88	2.107	2.115	-0.008	16	166006	10.0	9.25	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	15941	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL8_00008 Amount Added: 1.00 Units: mL

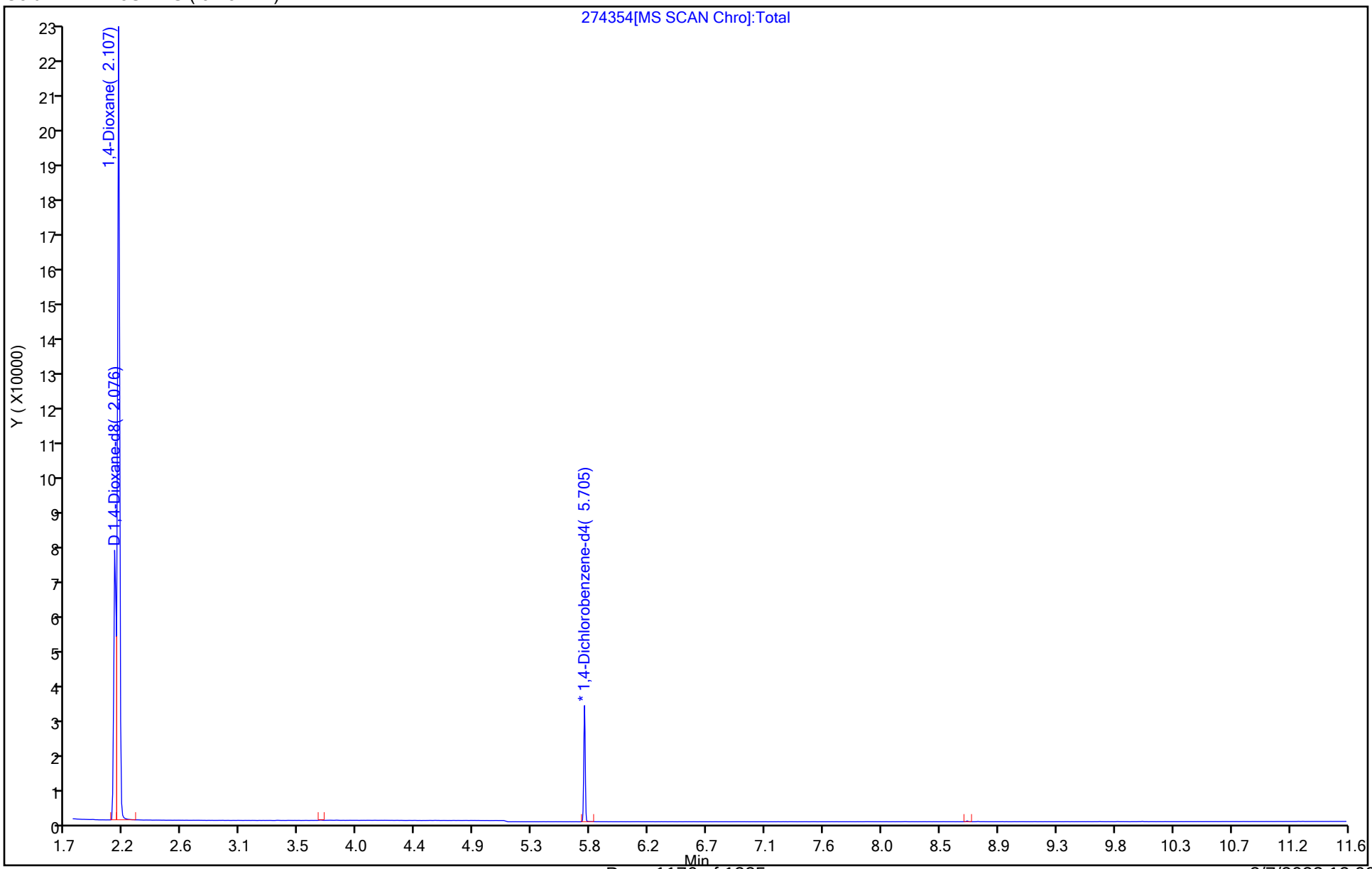
Report Date: 08-Dec-2022 10:00:53 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274354.D

Injection Date:	07-Dec-2022 21:09:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD8			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274355.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-Dec-2022 21:25:30 ALS Bottle#: 14 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-005
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:54 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	3	51284	4.00	4.18	
	2 1,4-Dioxane	88	2.115	2.115	0.000	10	30733	2.00	1.90	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	14080	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL7_00008 Amount Added: 1.00 Units: mL

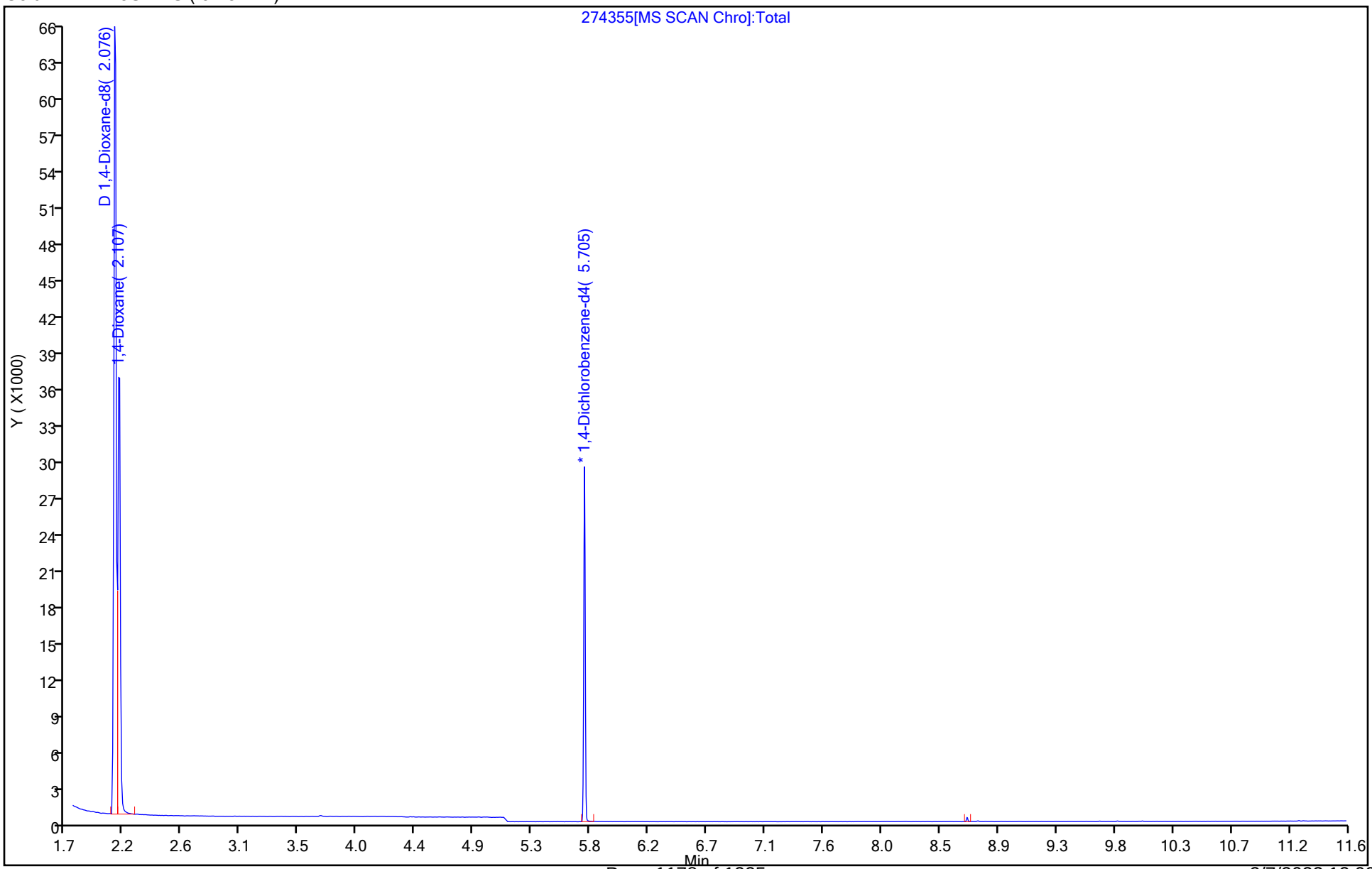
Report Date: 08-Dec-2022 10:00:54 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274355.D

Injection Date:	07-Dec-2022 21:25:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274356.D
Lims ID: STD6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Dec-2022 21:41:30 ALS Bottle#: 15 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-006
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:54 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:47

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	5	52427	4.00	4.12	
	2 1,4-Dioxane	88	2.115	2.115	0.000	14	15631	1.00	0.9471	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	14603	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL6_00009 Amount Added: 1.00 Units: mL

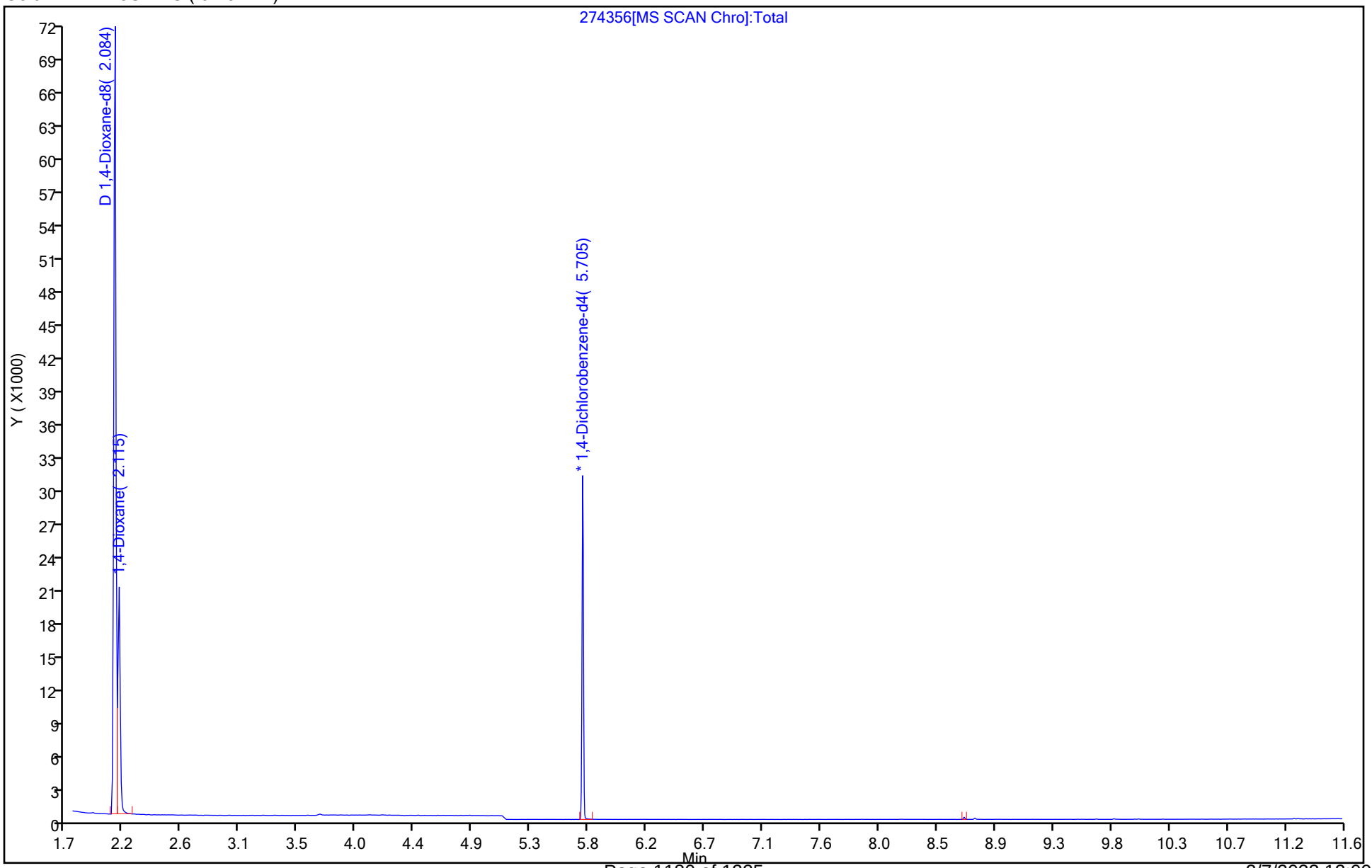
Report Date: 08-Dec-2022 10:00:54 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274356.D

Injection Date:	07-Dec-2022 21:41:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD6			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274357.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-Dec-2022 21:57:30 ALS Bottle#: 16 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-007
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:55 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:51

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	5	56178	4.00	4.14	
	2 1,4-Dioxane	88	2.115	2.115	0.000	18	3423	0.2000	0.1936	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	15565	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL4_00008 Amount Added: 1.00 Units: mL

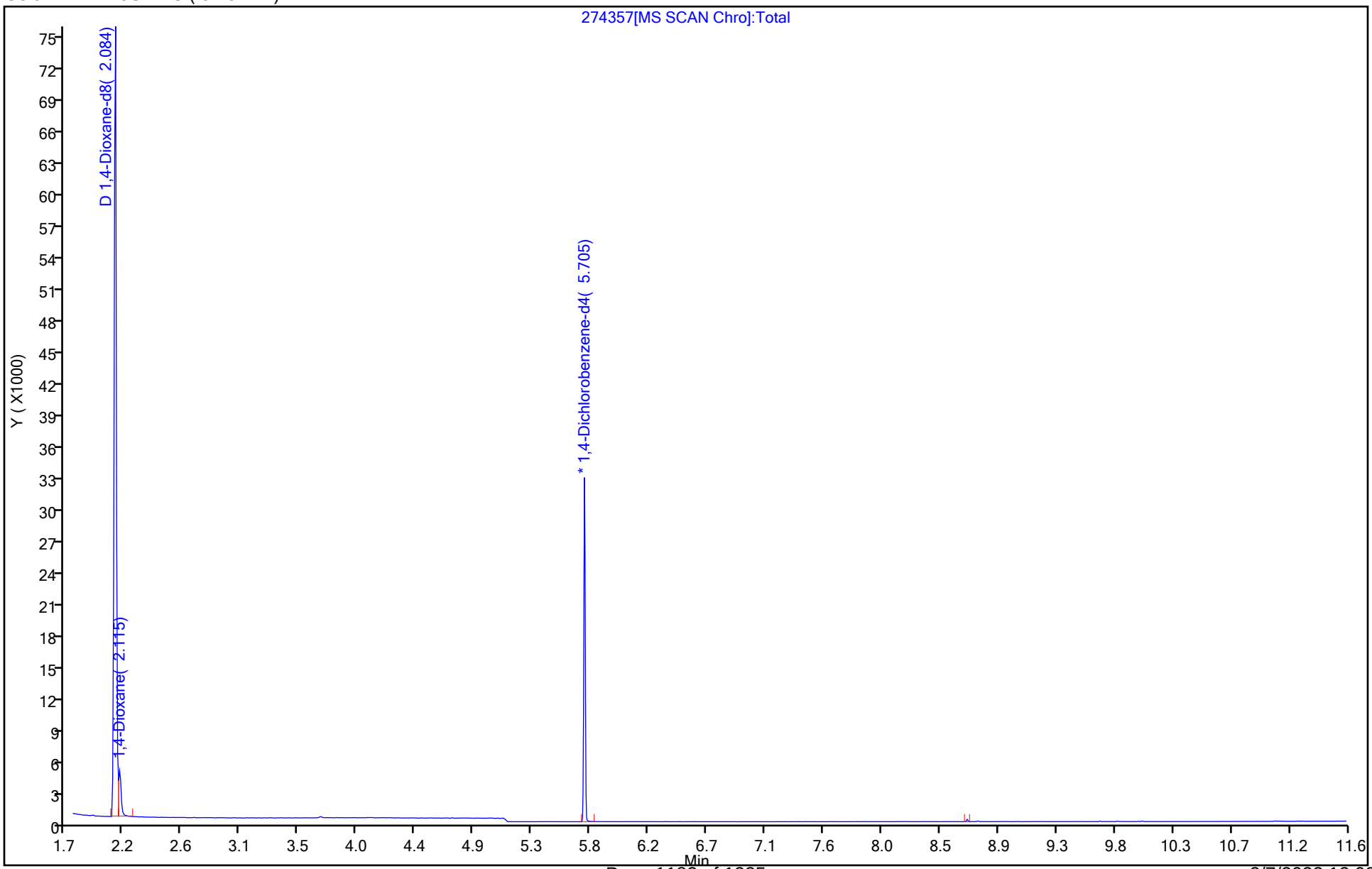
Report Date: 08-Dec-2022 10:00:55 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274357.D

Injection Date:	07-Dec-2022 21:57:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274358.D
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Dec-2022 22:13:30 ALS Bottle#: 17 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-008
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:55 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	5	53026	4.00	4.08	
	2 1,4-Dioxane	88	2.122	2.115	0.007	9	1774	0.1000	0.1063	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	14921	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL3_00008 Amount Added: 1.00 Units: mL

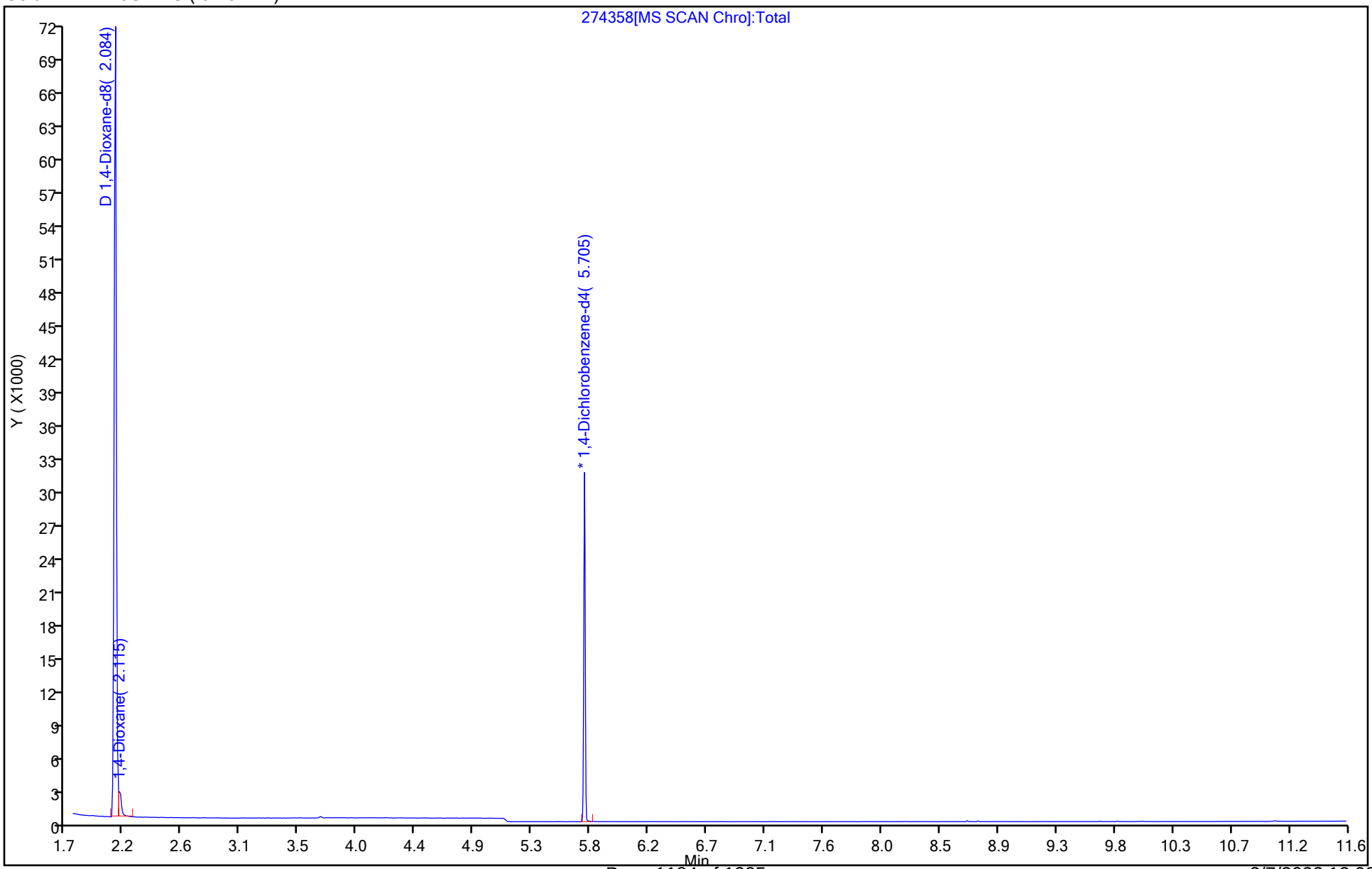
Report Date: 08-Dec-2022 10:00:55 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274358.D

Injection Date:	07-Dec-2022 22:13:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD3			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274359.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Dec-2022 22:29:30 ALS Bottle#: 18 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-009
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:55 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:33:56

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	4	54180	4.00	4.13	
	2 1,4-Dioxane	88	2.122	2.115	0.007	10	709	0.0400	0.0416	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	15069	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL2_00008 Amount Added: 1.00 Units: mL

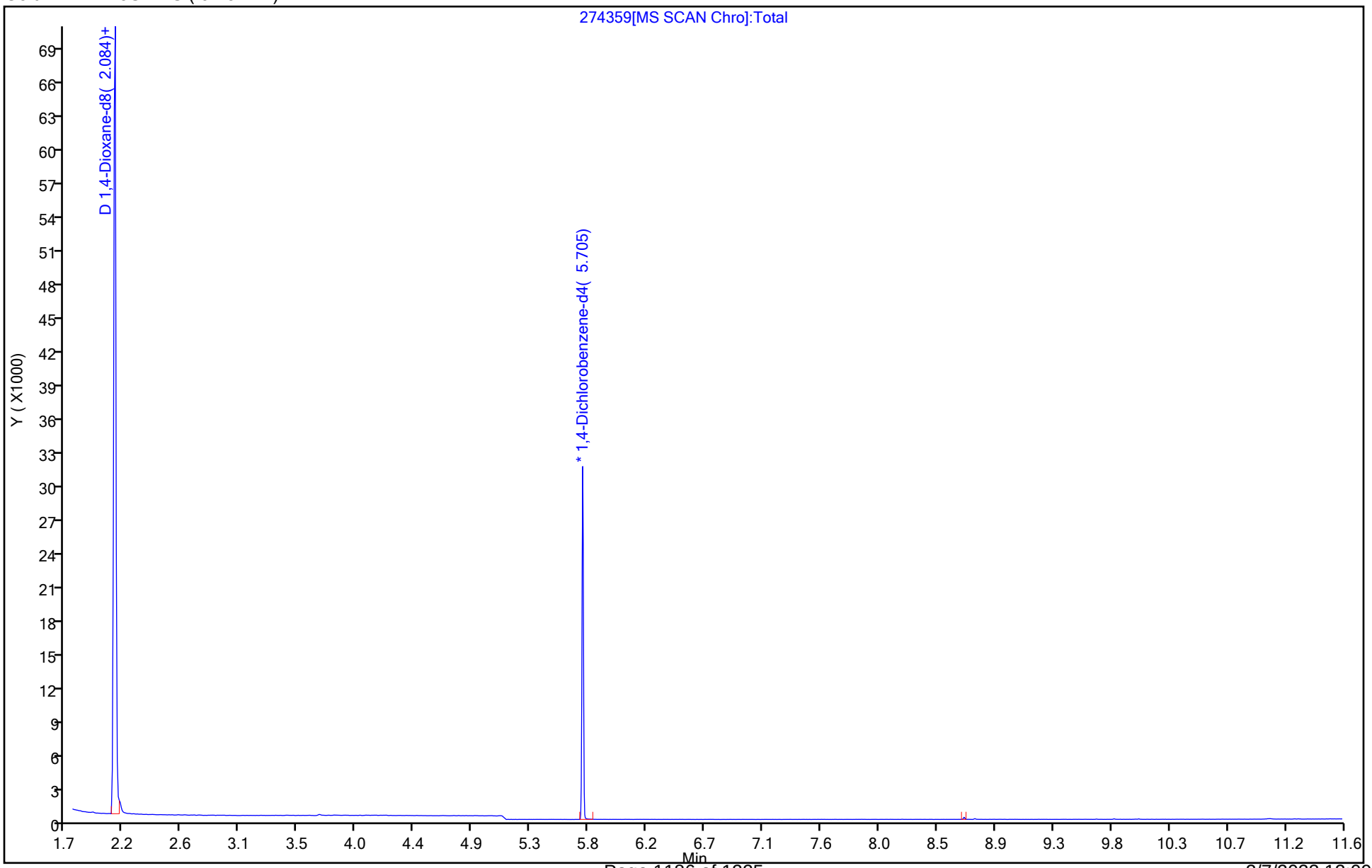
Report Date: 08-Dec-2022 10:00:56 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274359.D

Injection Date:	07-Dec-2022 22:29:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Dec-2022 22:45:30 ALS Bottle#: 19 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154163-010
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 10:00:56 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1684

First Level Reviewer: LKI7 Date: 08-Dec-2022 09:20:10

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.084	0.000	4	51459	4.00	4.14	
	2 1,4-Dioxane	88	2.122	2.115	0.007	8	401	0.0200	0.0248	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	14281	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL1_00009 Amount Added: 1.00 Units: mL

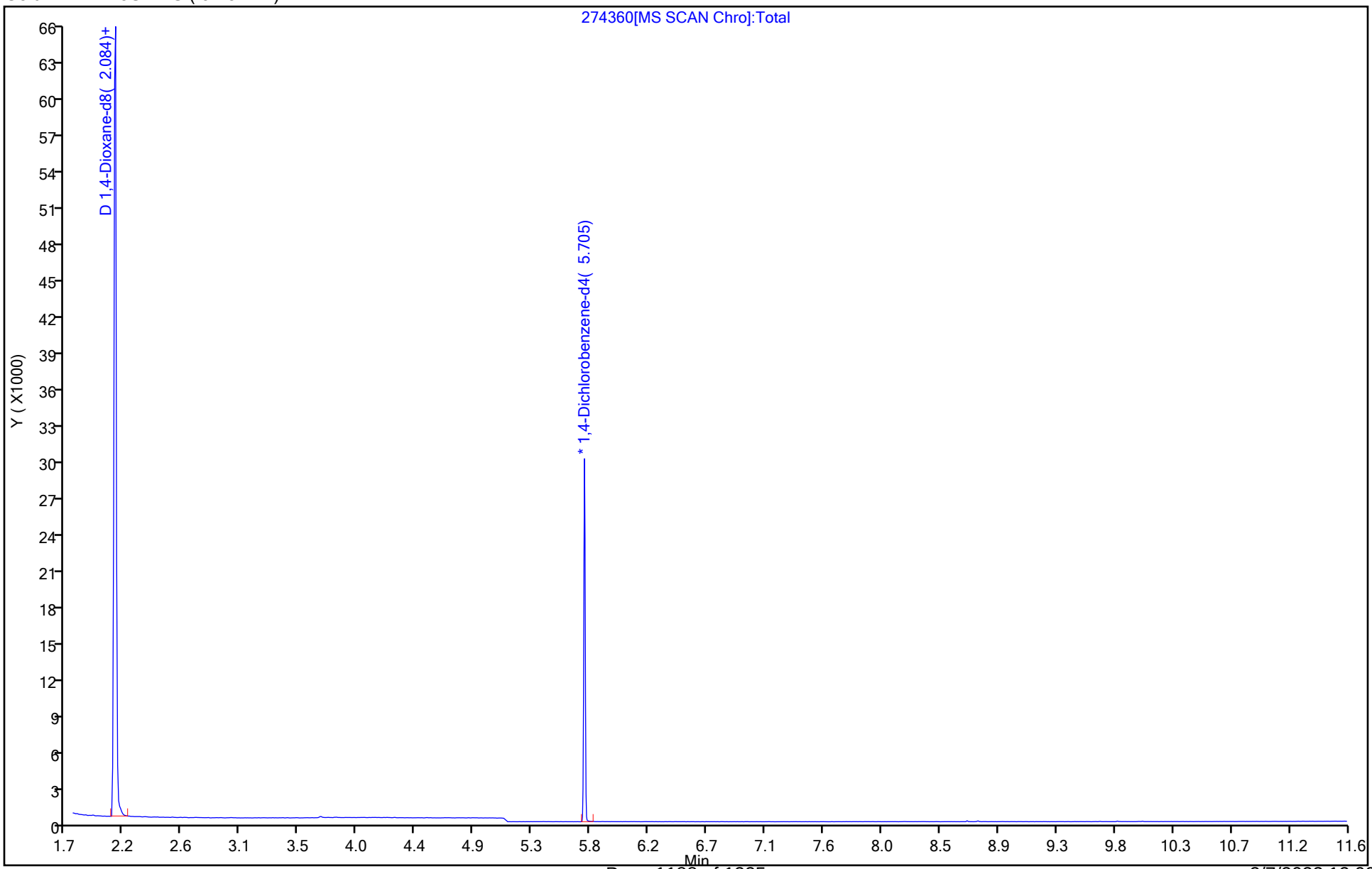
Report Date: 08-Dec-2022 10:00:56 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Injection Date:	07-Dec-2022 22:45:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

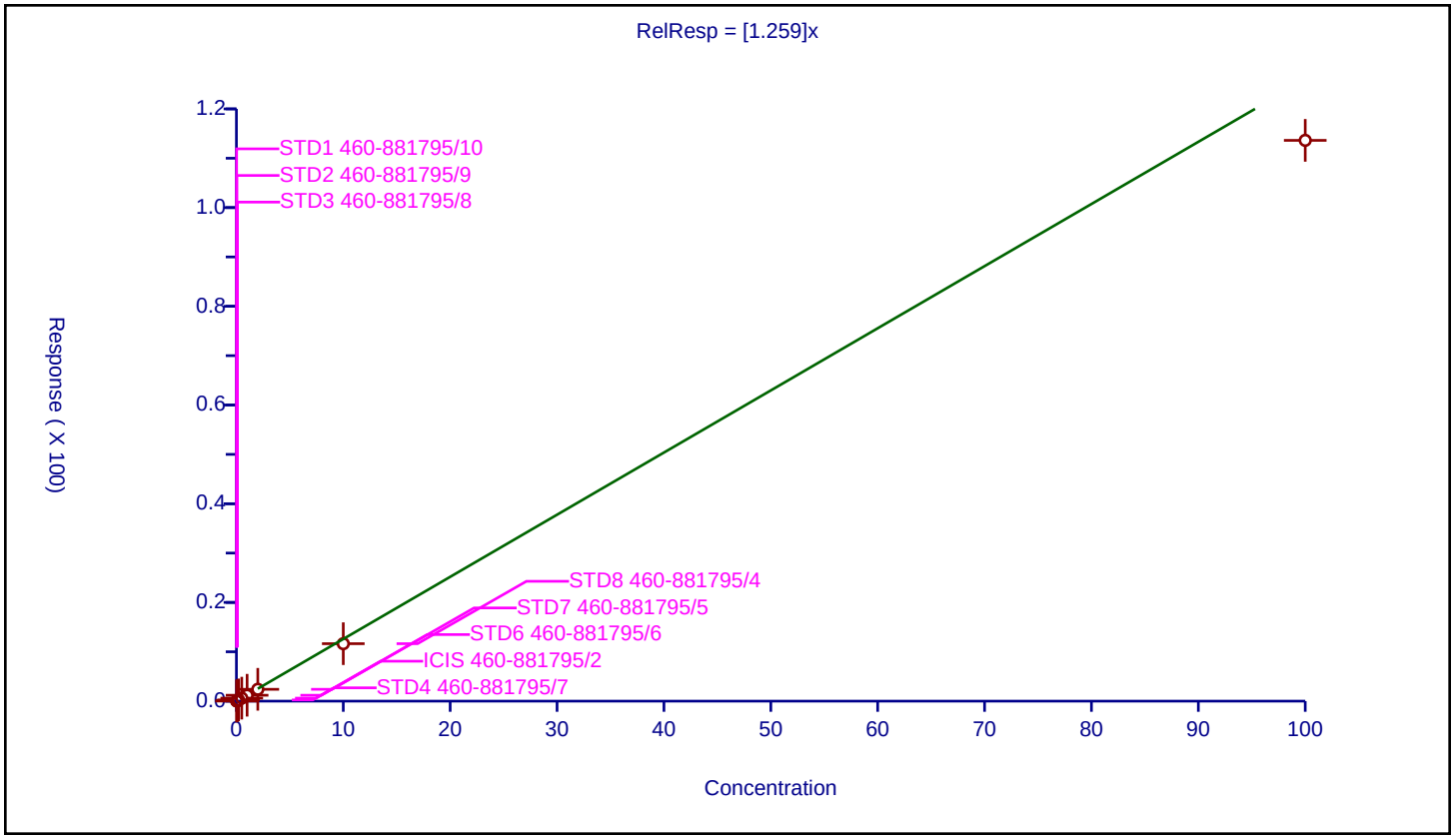
Curve Coefficients

Intercept:	0
Slope:	1.259

Error Coefficients

Standard Error:	471000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-881795/10	0.02	0.03117	4.0	51459.0	1.558522	Y
2	STD2 460-881795/9	0.04	0.052344	4.0	54180.0	1.308601	Y
3	STD3 460-881795/8	0.1	0.133821	4.0	53026.0	1.338211	Y
4	STD4 460-881795/7	0.2	0.243725	4.0	56178.0	1.218627	Y
5	ICIS 460-881795/2	0.5	0.608395	4.0	60704.0	1.21679	Y
6	STD6 460-881795/6	1.0	1.192592	4.0	52427.0	1.192592	Y
7	STD7 460-881795/5	2.0	2.397083	4.0	51284.0	1.198541	Y
8	STD8 460-881795/4	10.0	11.641987	4.0	57037.0	1.164199	Y
9	STD9 460-881795/3	100.0	113.622986	4.0	46497.0	1.13623	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: ICV 460-882006/3 Calibration Date: 12/08/2022 10:48

Instrument ID: CBNAMS9 Calib Start Date: 12/07/2022 20:37

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 12/07/2022 22:45

Lab File ID: 274364.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	AveID	1.259	1.216		483	500	-3.5	50.0
1,4-Dioxane-d8	Ave	0.1742	0.1483		3410	4000	-14.9	50.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274364.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 08-Dec-2022 10:48:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154217-003
Operator ID: Instrument ID: CBNAMS9
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 08-Dec-2022 12:43:35 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: LKI7 Date: 08-Dec-2022 11:05:19

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	2.084	2.076	0.008	3	53321	4.00	3.41	
	2 1,4-Dioxane	88	2.115	2.115	0.000	14	8102	0.5000	0.4827	
*	4 1,4-Dichlorobenzene-d4	150	5.705	5.705	0.000	1	17974	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
sm_iso_ICV_00001 Amount Added: 1.00 Units: mL

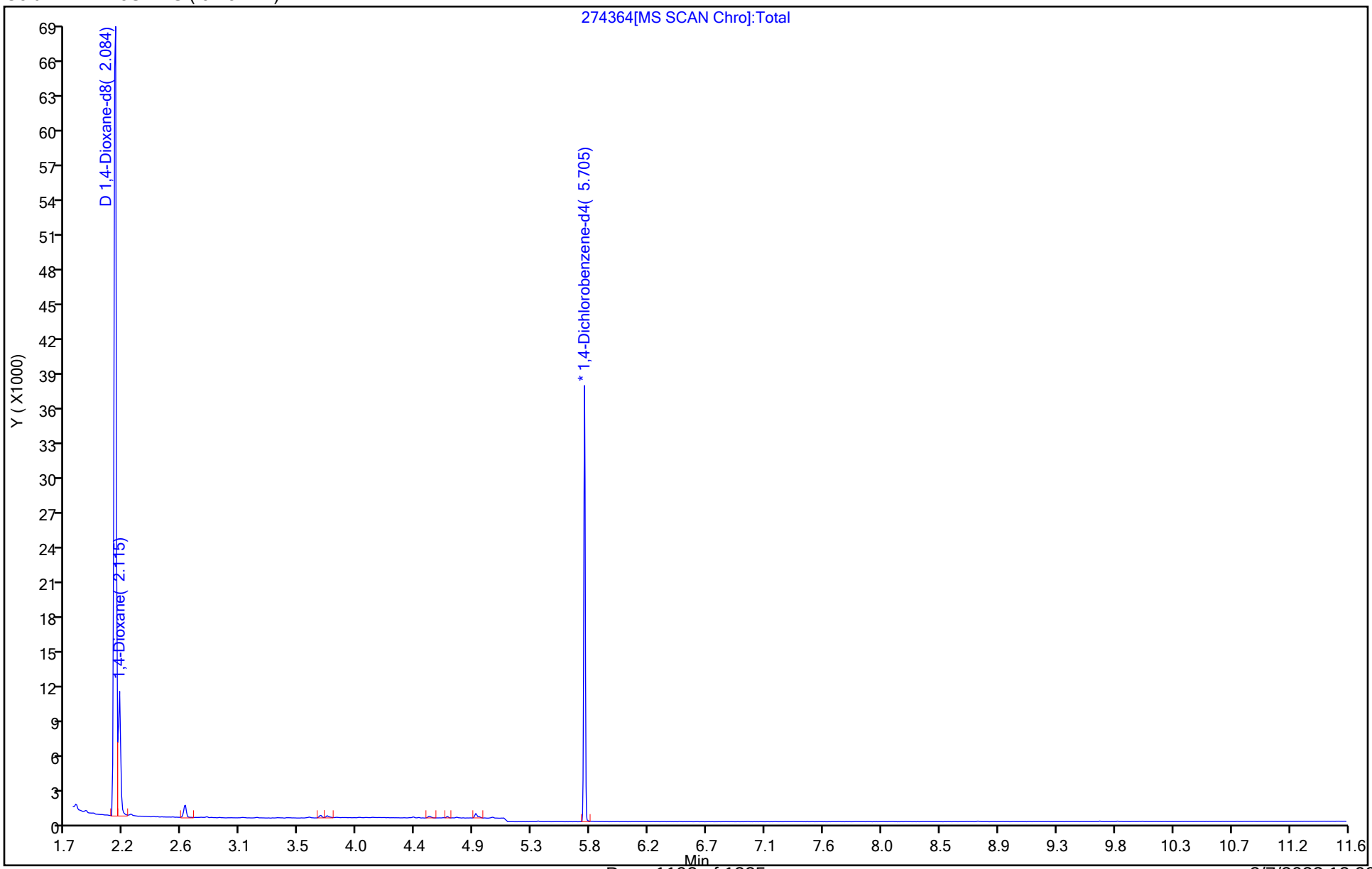
Report Date: 08-Dec-2022 12:43:41 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274364.D

Injection Date:	08-Dec-2022 10:48:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Lab Sample ID: CCVIS 460-891532/2 Calibration Date: 02/05/2023 14:11

Instrument ID: CBNAMS9 Calib Start Date: 12/07/2022 20:37

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 12/07/2022 22:45

Lab File ID: 275467.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	AveID	1.259	1.140		453	500	-9.4	50.0
1,4-Dioxane-d8	Ave	0.1742	0.1490		3420	4000	-14.5	50.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275467.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Feb-2023 14:11:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-002
Operator ID: Instrument ID: CBNAMS9
Sublist: chrom-8270_Iso*sub1

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 08:59:57 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1629

First Level Reviewer: G4KC Date: 06-Feb-2023 08:59:57

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.992	1.992	0.000	5	32609	4.00	3.42	
	2 1,4-Dioxane	88	2.023	2.023	0.000	16	4648	0.5000	0.4528	
*	4 1,4-Dichlorobenzene-d4	150	5.627	5.627	0.000	1	10939	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_ISOTOPL5_00009 Amount Added: 1.00 Units: mL

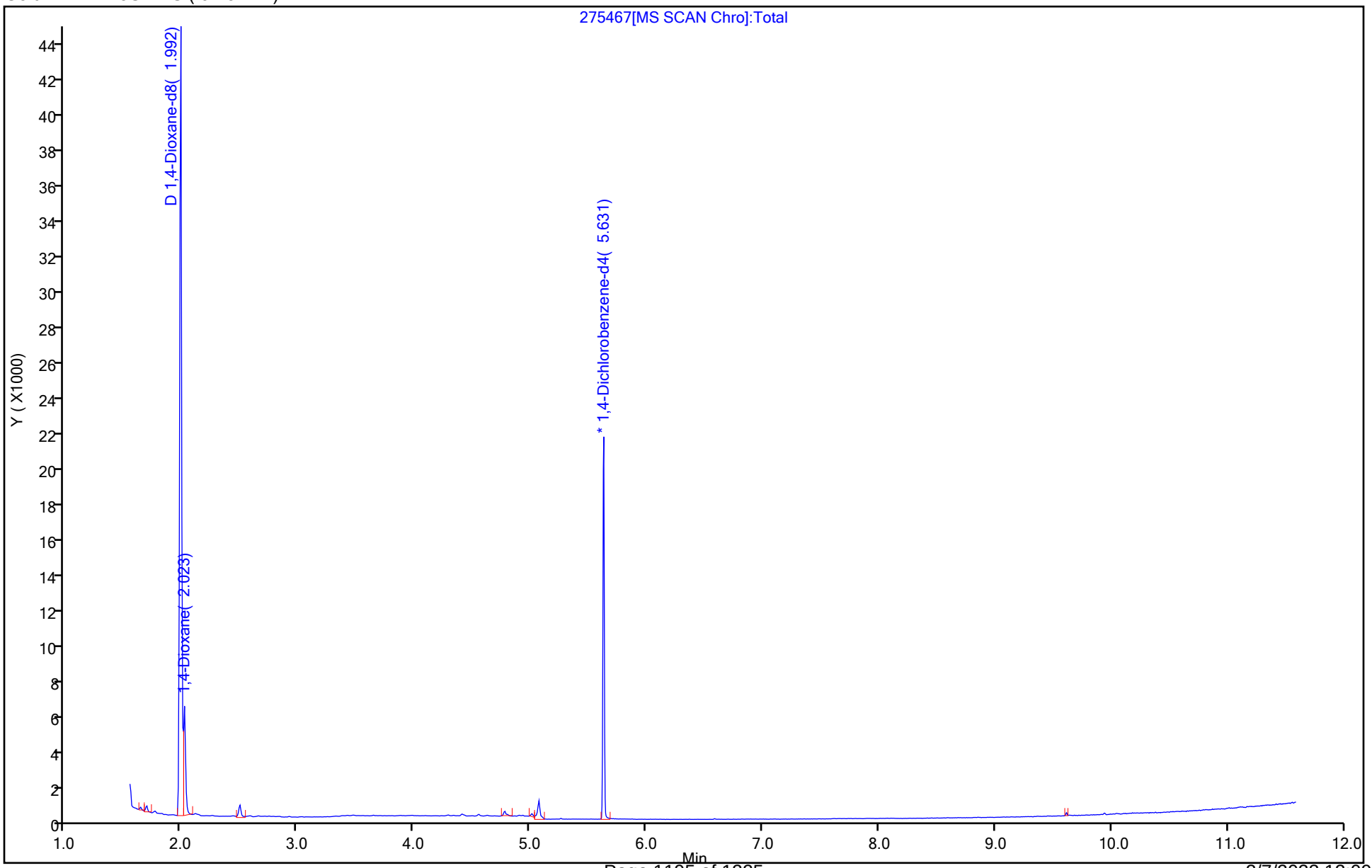
Report Date: 06-Feb-2023 08:59:58 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275467.D

Injection Date:	05-Feb-2023 14:11:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 08-Dec-2022 10:20:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0154217-001
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 12-Dec-2022 08:52:10 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1658

First Level Reviewer: khlungprakhons Date: 12-Dec-2022 08:52:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

3 DFTPP

QC Flag Legend
Processing Flags

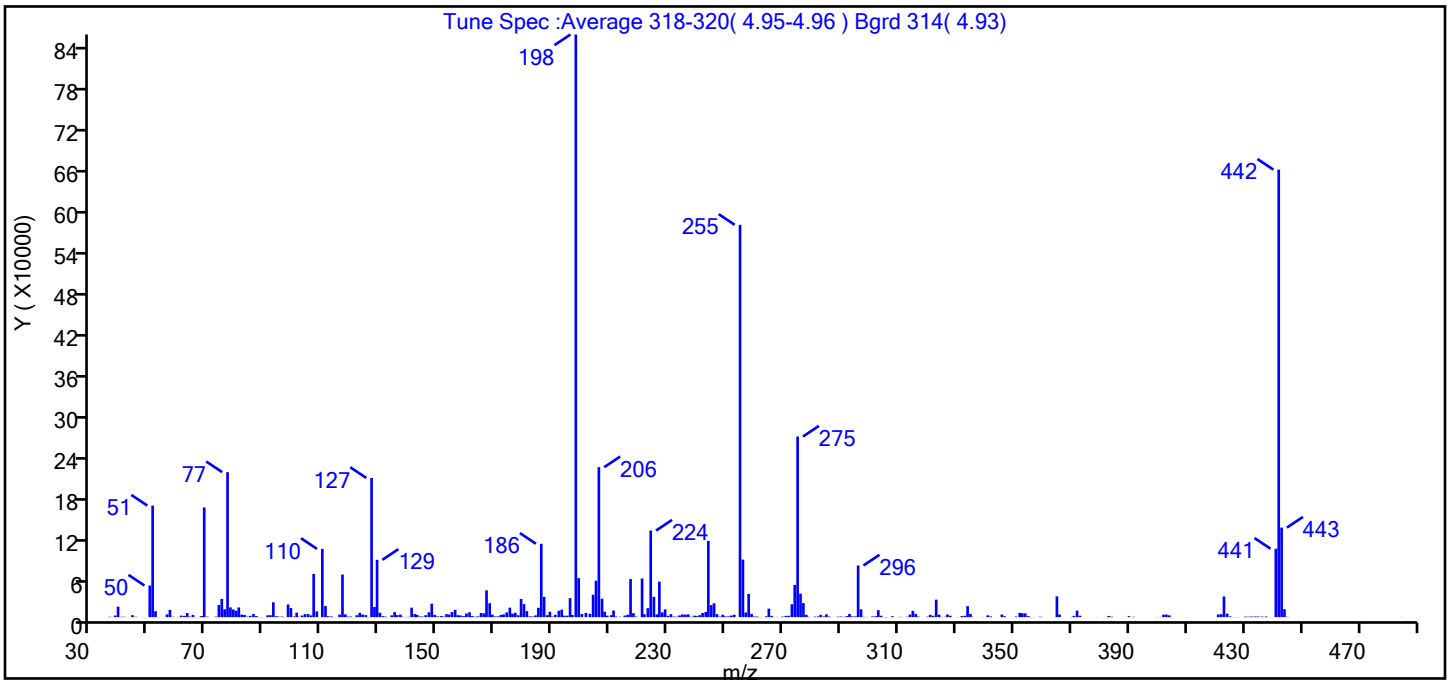
Reagents:
SMDFTP_CH_00034 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D
Injection Date: 08-Dec-2022 10:20:30 Instrument ID: CBNAMS9
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS
Tune Method: DFTPP Method 8270E, BP 198

3 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.2 (1.0)
69	Present	18.8
70	<2% of m/z 69	0.1 (0.5)
197	<2% of m/z 198	0.4
199	5-9% of m/z 198	6.7
365	>1% of m/z 198	3.6
441	<150% of m/z 443	11.7 (76.4)
442	Present	76.8
443	15-24% of m/z 442	15.4 (20.0)

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D\8270_Iso.rslt\spectra.d
Injection Date: 08-Dec-2022 10:20:30
Spectrum: Tune Spec :Average 318-320(4.95-4.96) Bgrd 314(4.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	562	130.00	6488	216.00	3506	308.00	1330
37.00	273	131.00	1472	217.00	55808	310.00	302
38.00	2360	132.00	683	218.00	5796	311.00	398
39.00	15398	134.00	2636	219.00	810	313.00	603
40.00	484	135.00	7338	221.00	56624	314.00	3845
41.00	605	136.00	3014	222.00	4253	315.00	9303
44.00	2896	137.00	3685	223.00	13205	316.00	4777
45.00	553	138.00	621	224.00	126960	317.00	789
48.00	202	139.00	279	225.00	29784	320.00	593
50.00	46368	140.00	442	226.00	4046	321.00	3490
51.00	163584	141.00	13865	227.00	52008	322.00	2059
52.00	8745	142.00	4505	228.00	6997	323.00	25624
53.00	241	143.00	3312	229.00	11394	324.00	3628
55.00	292	144.00	1025	230.00	1955	325.00	296
56.00	4033	145.00	776	231.00	4350	326.00	523
57.00	10628	146.00	2868	232.00	923	327.00	3944
58.00	562	147.00	7120	233.00	712	328.00	2059
60.00	275	148.00	19728	234.00	2535	331.00	226
61.00	2195	149.00	3383	235.00	3951	332.00	1608
62.00	1844	150.00	1143	236.00	3701	333.00	2018
63.00	6011	151.00	1433	237.00	4213	334.00	16086
64.00	848	152.00	1060	238.00	621	335.00	4678
65.00	3260	153.00	4297	239.00	2136	336.00	407
66.00	184	154.00	3796	240.00	1441	339.00	267
67.00	424	155.00	7462	241.00	2885	341.00	2661
68.00	1653	156.00	10733	242.00	6107	342.00	1099
69.00	160896	157.00	2842	243.00	7632	346.00	3851
70.00	737	158.00	2560	244.00	111832	347.00	1365
73.00	830	159.00	1543	245.00	17744	351.00	927
74.00	17816	160.00	5389	246.00	20304	352.00	6290
75.00	26704	161.00	7200	247.00	4340	353.00	5690
76.00	11485	162.00	1681	248.00	825	354.00	5523
77.00	212608	163.00	668	249.00	3529	355.00	1548

Report Date: 12-Dec-2022 08:52:10 Chrom Revision: 2.3 01-Dec-2022 08:01:02
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D\8270_lso.rslt\spectra.d
Injection Date: 08-Dec-2022 10:20:30
Spectrum: Tune Spec :Average 318-320(4.95-4.96) Bgrd 314(4.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	14254	164.00	1166	250.00	1134	356.00	198
79.00	11219	165.00	6099	251.00	1054	357.00	192
80.00	9334	166.00	5483	252.00	2359	359.00	654
81.00	14184	167.00	39272	253.00	3544	360.00	211
82.00	3673	168.00	20496	255.00	575296	365.00	30456
83.00	3228	169.00	3633	256.00	84360	366.00	3880
84.00	769	170.00	1032	257.00	6799	370.00	302
85.00	1867	171.00	1182	258.00	34024	371.00	1849
86.00	4583	172.00	3227	259.00	4851	372.00	9579
87.00	1577	173.00	4034	260.00	905	373.00	2083
88.00	279	174.00	6933	261.00	905	379.00	195
89.00	260	175.00	13893	262.00	209	382.00	185
91.00	2720	176.00	5117	264.00	1225	383.00	1750
92.00	2893	177.00	6445	265.00	12510	384.00	729
93.00	21792	178.00	2774	266.00	1847	390.00	1498
94.00	1437	179.00	26696	267.00	146	391.00	215
95.00	701	180.00	19096	268.00	319	392.00	521
96.00	763	181.00	8784	270.00	788	400.00	229
97.00	240	182.00	1145	271.00	1852	401.00	288
98.00	18600	183.00	997	272.00	1977	402.00	3618
99.00	13316	184.00	2619	273.00	18936	403.00	3802
100.00	956	185.00	13725	274.00	47280	404.00	2646
101.00	6608	186.00	107600	275.00	264832	405.00	228
102.00	517	187.00	29720	276.00	34400	410.00	212
103.00	2347	188.00	2871	277.00	20576	421.00	3926
104.00	4438	189.00	7910	278.00	3378	422.00	4285
105.00	4429	190.00	818	279.00	520	423.00	30408
106.00	2493	191.00	3452	281.00	800	424.00	5155
107.00	63416	192.00	9358	282.00	1022	425.00	1060
108.00	8487	193.00	10965	283.00	3368	427.00	250
109.00	184	194.00	2131	284.00	1005	428.00	252
110.00	100056	195.00	2153	285.00	4140	430.00	633
111.00	16192	196.00	27848	286.00	914	431.00	598
112.00	1423	197.00	3198	289.00	684	432.00	631

Report Date: 12-Dec-2022 08:52:10 Chrom Revision: 2.3 01-Dec-2022 08:01:02
Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D\8270_Iso.rslt\spectra.d
Injection Date: 08-Dec-2022 10:20:30
Spectrum: Tune Spec :Average 318-320(4.95-4.96) Bgrd 314(4.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	999	198.00	854400	290.00	860	433.00	906
114.00	260	199.00	57160	291.00	504	434.00	973
116.00	3749	200.00	4541	292.00	1494	435.00	875
117.00	62464	202.00	6242	293.00	4659	436.00	837
118.00	4017	203.00	4900	294.00	1115	437.00	249
119.00	789	204.00	32848	295.00	1091	438.00	920
120.00	921	205.00	53552	296.00	75760	440.00	188
121.00	274	206.00	219904	297.00	11493	441.00	100360
122.00	2837	207.00	27088	298.00	502	442.00	656192
123.00	6404	208.00	8056	299.00	203	443.00	131328
124.00	3843	209.00	2155	301.00	1057	444.00	11687
125.00	3049	210.00	2852	302.00	1324	445.00	468
126.00	229	211.00	9703	303.00	10226	485.00	226
127.00	204160	212.00	870	304.00	2061		
128.00	14930	213.00	549	305.00	235		
129.00	84064	215.00	2309	306.00	208		

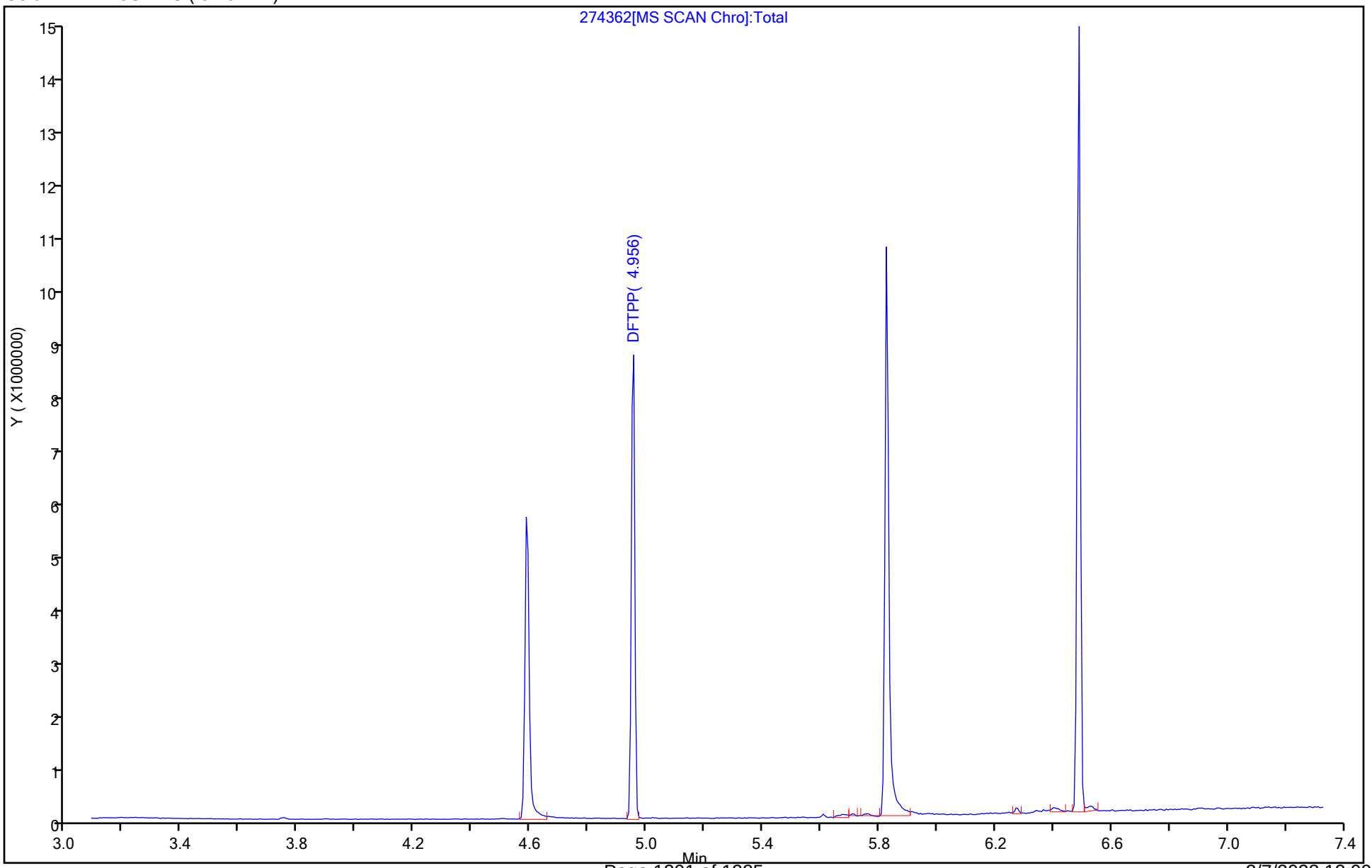
Report Date: 12-Dec-2022 08:52:10 Chrom Revision: 2.3 01-Dec-2022 08:01:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20221208-154217.b\274362.D

Injection Date:	08-Dec-2022 10:20:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-891440/1-A

Matrix: Water | Lab File ID: 275468.D

Analysis Method: 8270E SIM ID | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 14:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	70		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275468.D
Lims ID: MB 460-891440/1-A
Client ID:
Sample Type: MB
Inject. Date: 05-Feb-2023 14:39:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-003
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:04:52 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:05:25

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.992	1.992	0.000	12	33467	4.00	2.81	
*	4 1,4-Dichlorobenzene-d4	150	5.631	5.627	0.004	1	13655	0.2000	0.2000	

QC Flag Legend

Processing Flags

Reagents:

SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Feb-2023 07:05:25 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275468.D

Injection Date: 05-Feb-2023 14:39:30 Instrument ID: CBNAMS9 Operator ID:

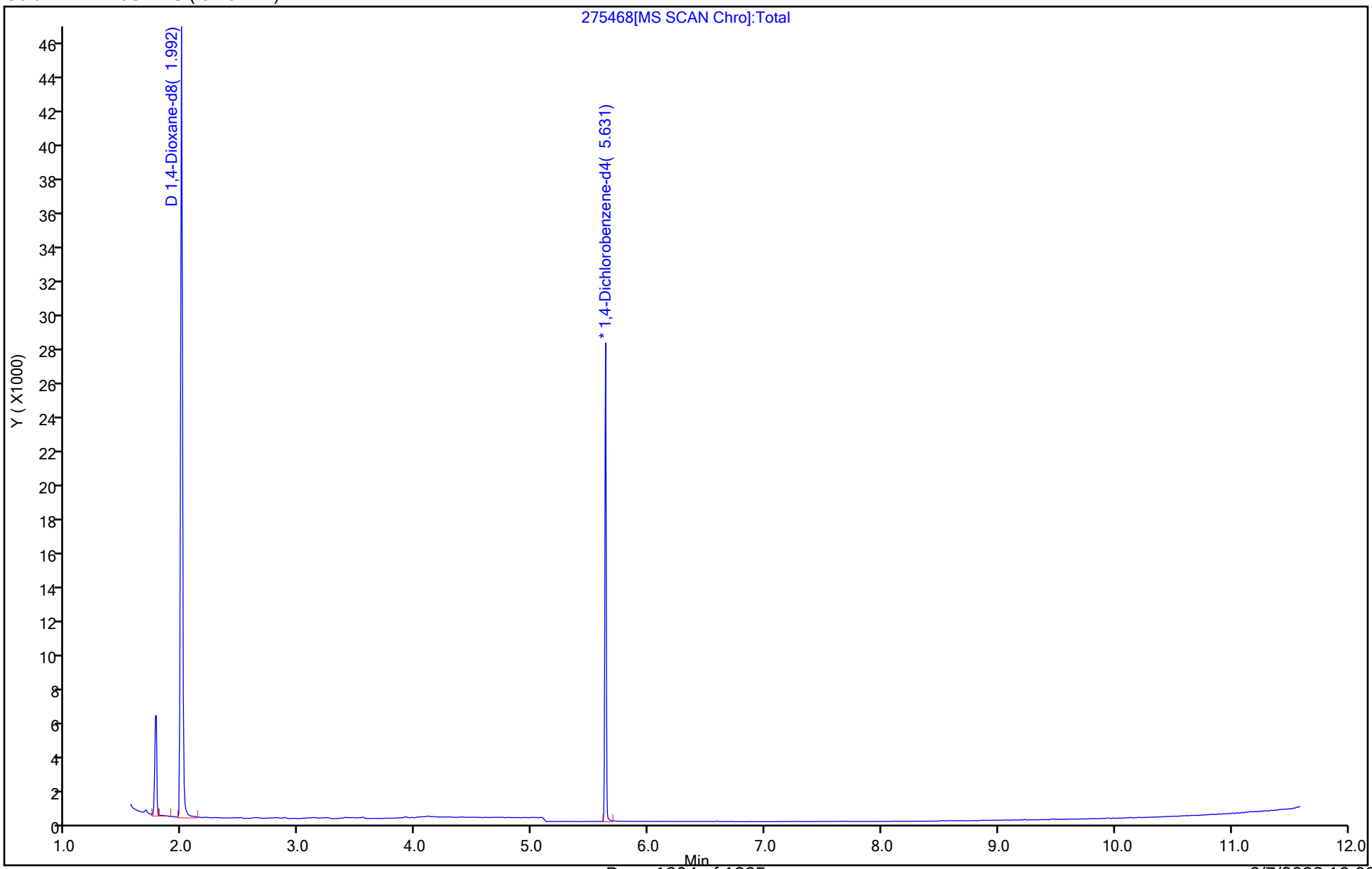
Lims ID: MB 460-891440/1-A Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS (0.25 mm)

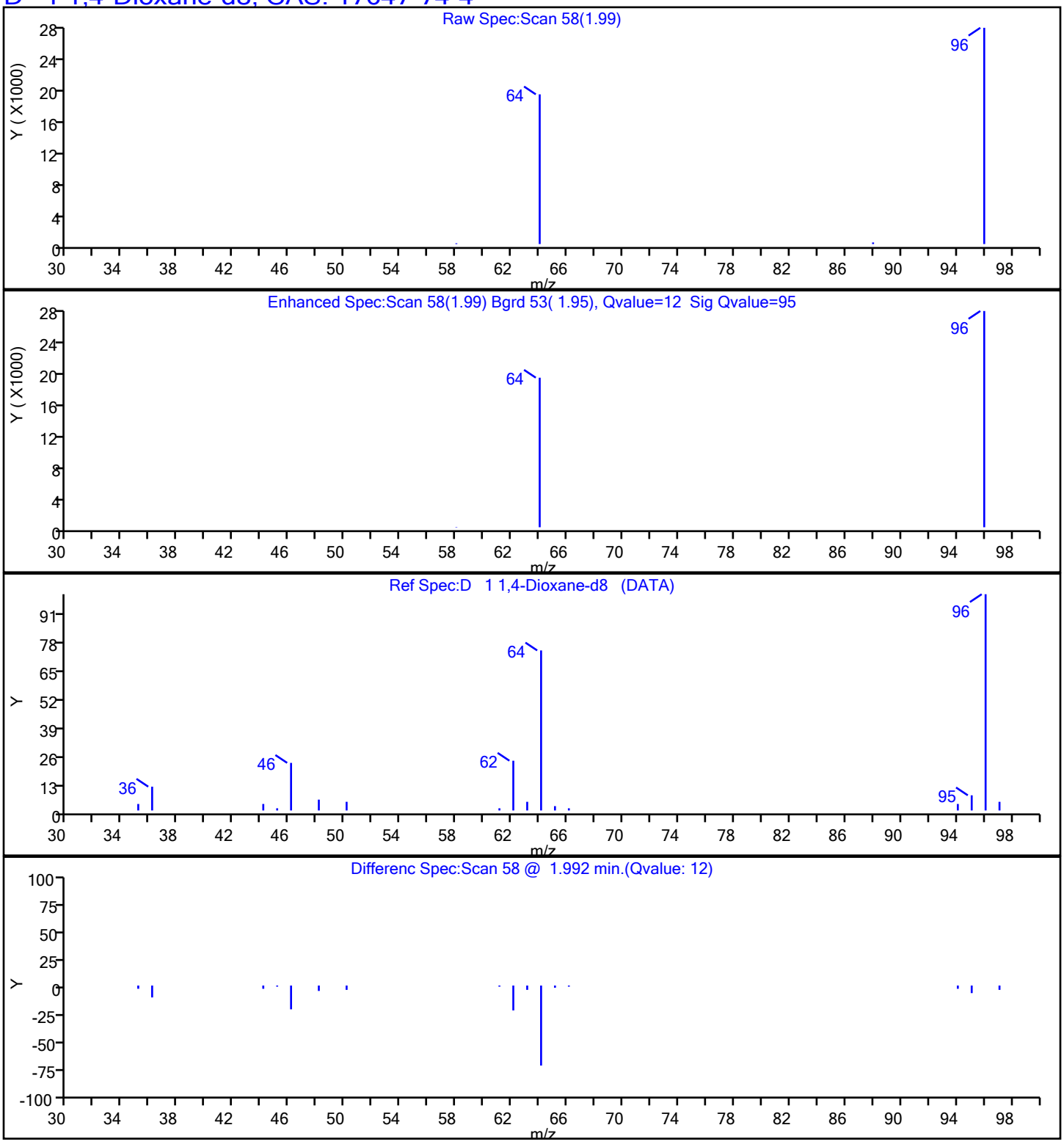


2/7/2023 12:09 PM

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275468.D
Injection Date: 05-Feb-2023 14:39:30 Instrument ID: CBNAMS9
Lims ID: MB 460-891440/1-A
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

D 1 1,4-Dioxane-d8, CAS: 17647-74-4



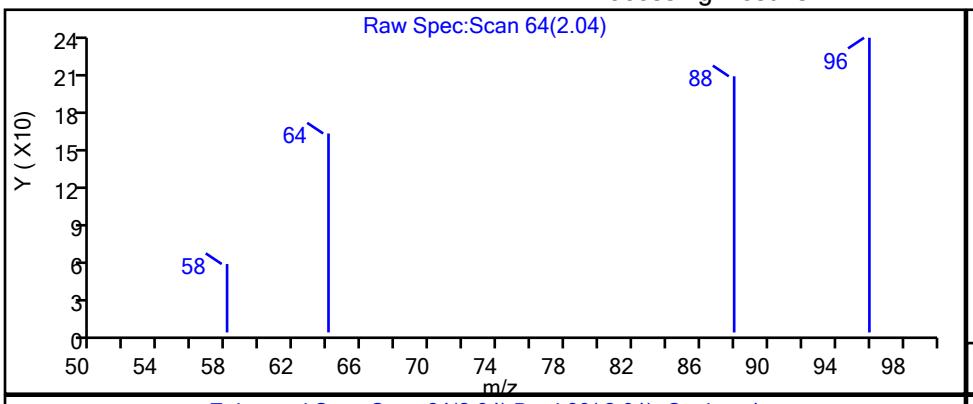
User Disabled Compound Report

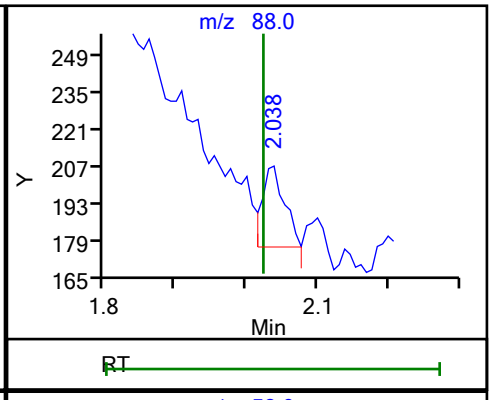
Eurofins Edison

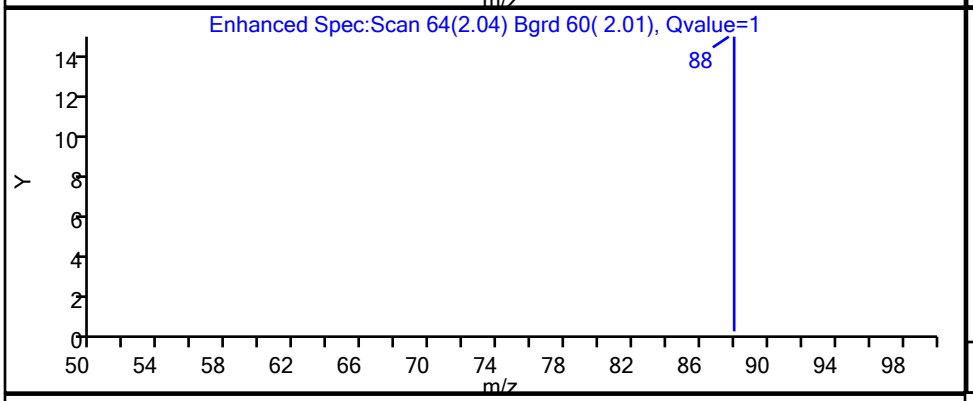
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275468.D				
Injection Date:	05-Feb-2023 14:39:30	Instrument ID:	CBNAMS9		
Lims ID:	MB 460-891440/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

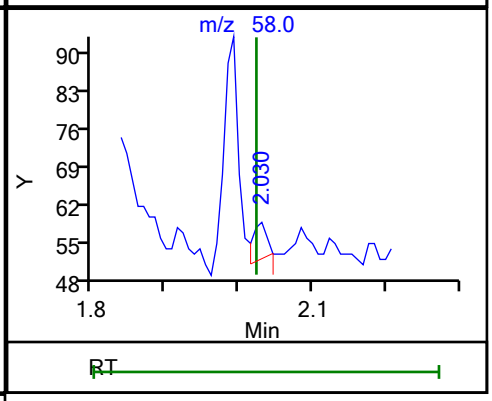
2 1,4-Dioxane, CAS: 123-91-1

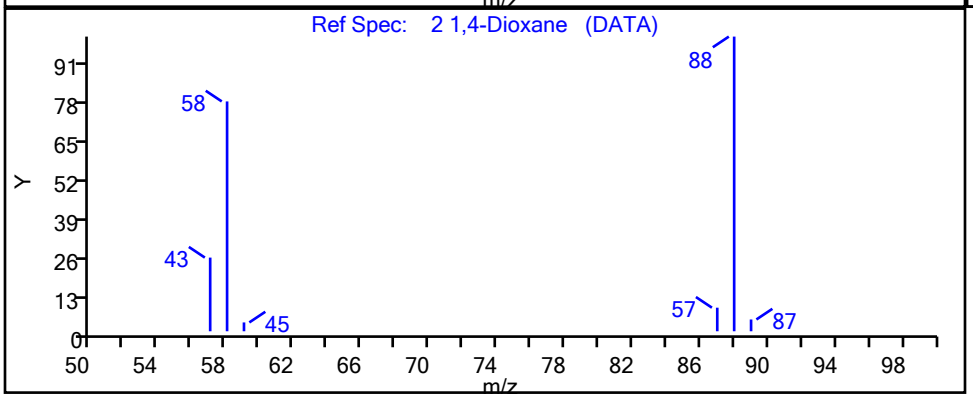
Processing Results











RT	Mass	Response	Amount
2.04	88.00	68	0.006455
2.03	58.00	10	

Reviewer: U6BX, 05-Feb-2023 15:32:19

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-891440/2-A

Matrix: Water | Lab File ID: 275469.D

Analysis Method: 8270E SIM ID | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 14:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.53		0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	32		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275469.D
Lims ID: LCS 460-891440/2-A
Client ID:
Sample Type: LCS
Inject. Date: 05-Feb-2023 14:54:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-004
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:06:27 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:06:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.999	1.992	0.007	5	15996	4.00	1.29	
	2 1,4-Dioxane	88	2.030	2.023	0.007	18	966	0.2000	0.1918	
*	4 1,4-Dichlorobenzene-d4	150	5.631	5.627	0.004	1	14256	0.2000	0.2000	

QC Flag Legend
Processing Flags

Reagents:
SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Feb-2023 07:06:27 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275469.D

Injection Date: 05-Feb-2023 14:54:30 Instrument ID: CBNAMS9 Operator ID:

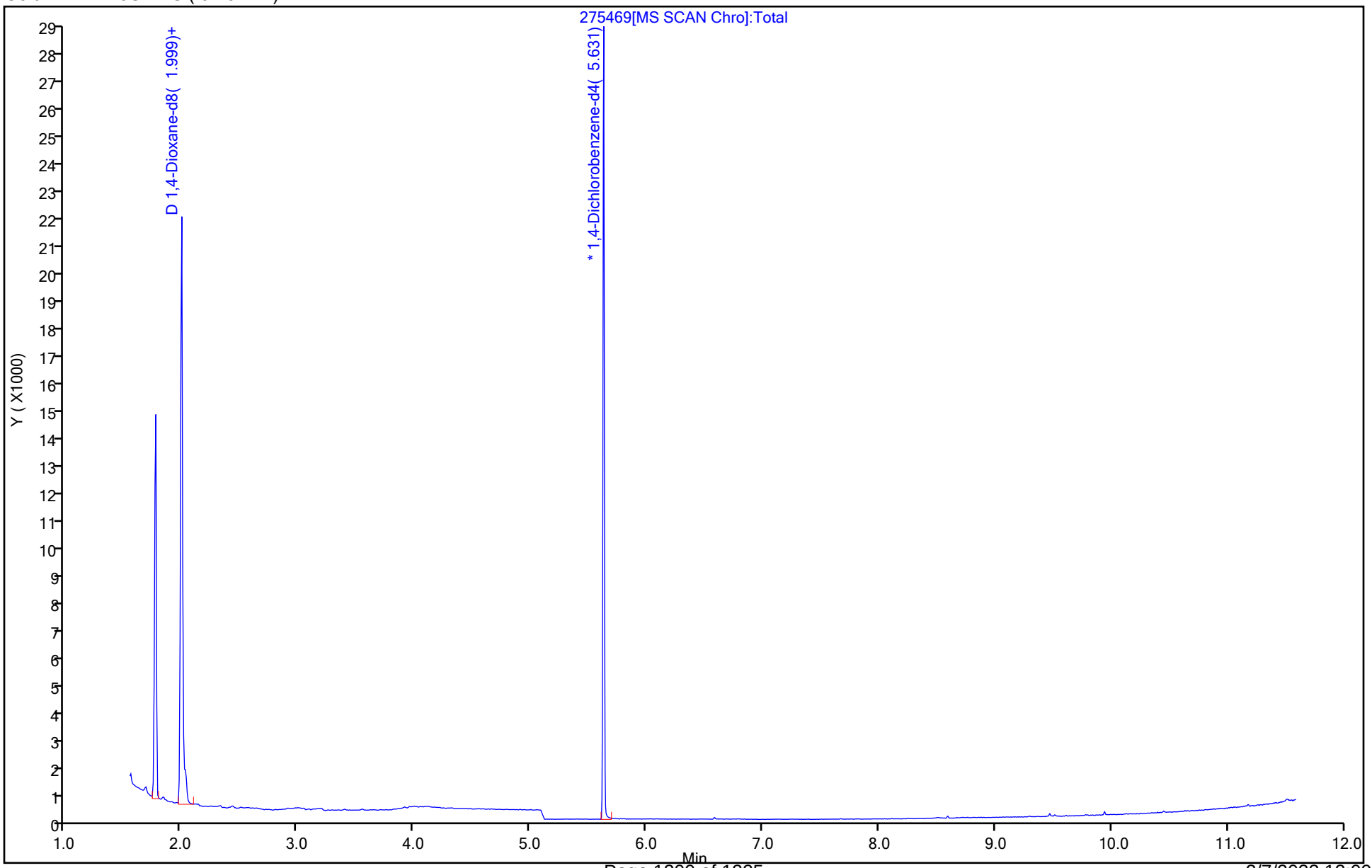
Lims ID: LCS 460-891440/2-A Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_Iso Limit Group: MSS 8270 Isotope Dilution IS

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-273970-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-891440/3-A

Matrix: Water | Lab File ID: 275470.D

Analysis Method: 8270E SIM ID | Date Collected:

Extract. Method: 3510C | Date Extracted: 02/04/2023 11:50

Sample wt/vol: 250(mL) | Date Analyzed: 02/05/2023 15:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 891532 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.60		0.20	0.072

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	36		10-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275470.D
Lims ID: LCSD 460-891440/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 05-Feb-2023 15:11:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0156381-005
Operator ID: Instrument ID: CBNAMS9

Method: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\8270_Iso.m
Limit Group: MSS 8270 Isotope Dilution IS
Last Update: 06-Feb-2023 07:07:07 Calib Date: 07-Dec-2022 22:45:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS9\20221207-154163.b\274360.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: khlungprakhons Date: 06-Feb-2023 07:07:07

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
D	1 1,4-Dioxane-d8	96	1.999	1.992	0.007	6	14831	4.00	1.42	
	2 1,4-Dioxane	88	2.030	2.030	0.007	22	931	0.2000	0.1994	M
*	4 1,4-Dichlorobenzene-d4	150	5.627	5.627	0.000	1	11975	0.2000	0.2000	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

SM_iso_d4istd_00009 Amount Added: 20.00 Units: uL Run Reagent

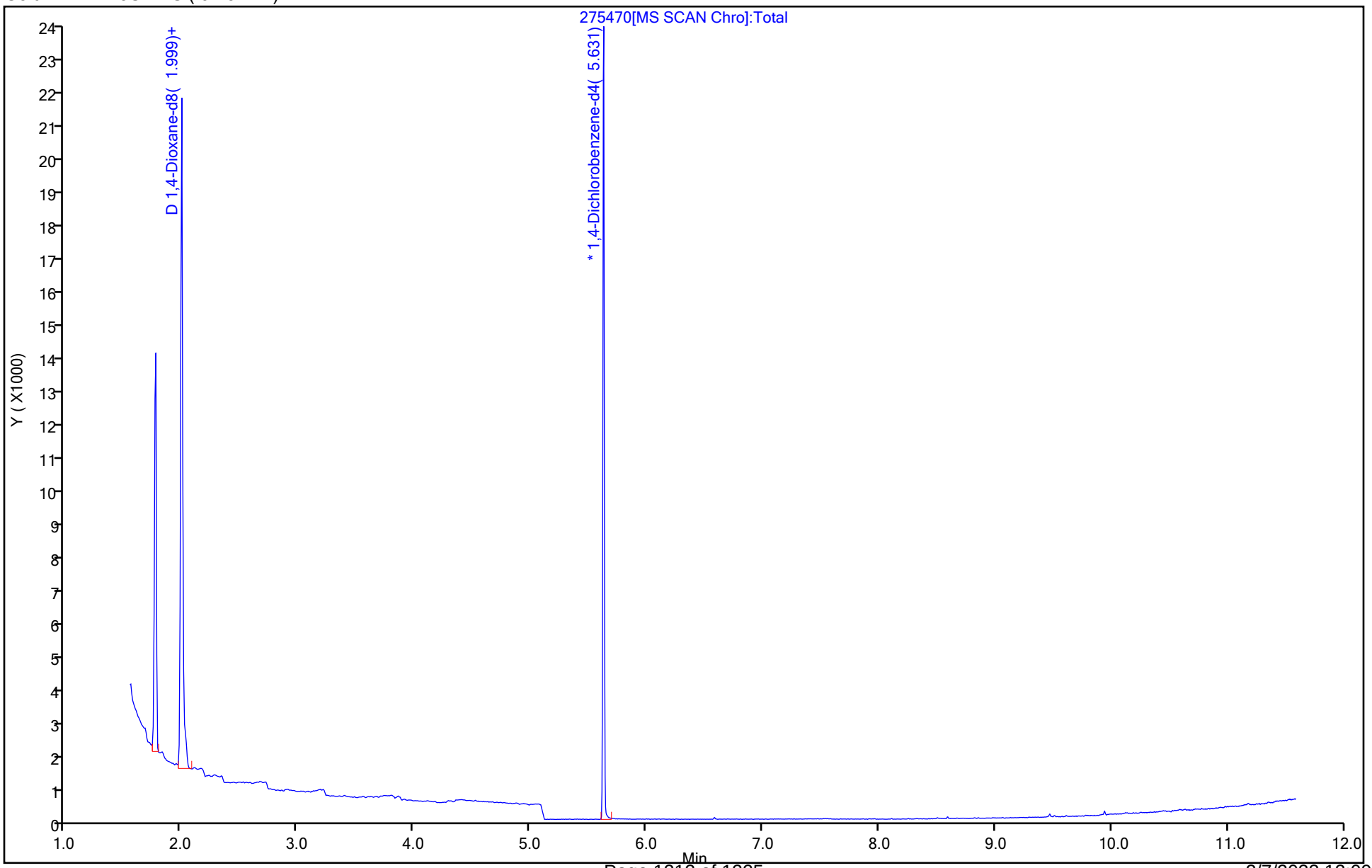
Report Date: 06-Feb-2023 07:07:08 Chrom Revision: 2.3 01-Feb-2023 13:23:06

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275470.D

Injection Date:	05-Feb-2023 15:11:30	Instrument ID:	CBNAMS9	Operator ID:	
Lims ID:	LCSD 460-891440/3-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		

Column: Rtxi-5Sil MS (0.25 mm)



2/7/2023 12:09 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

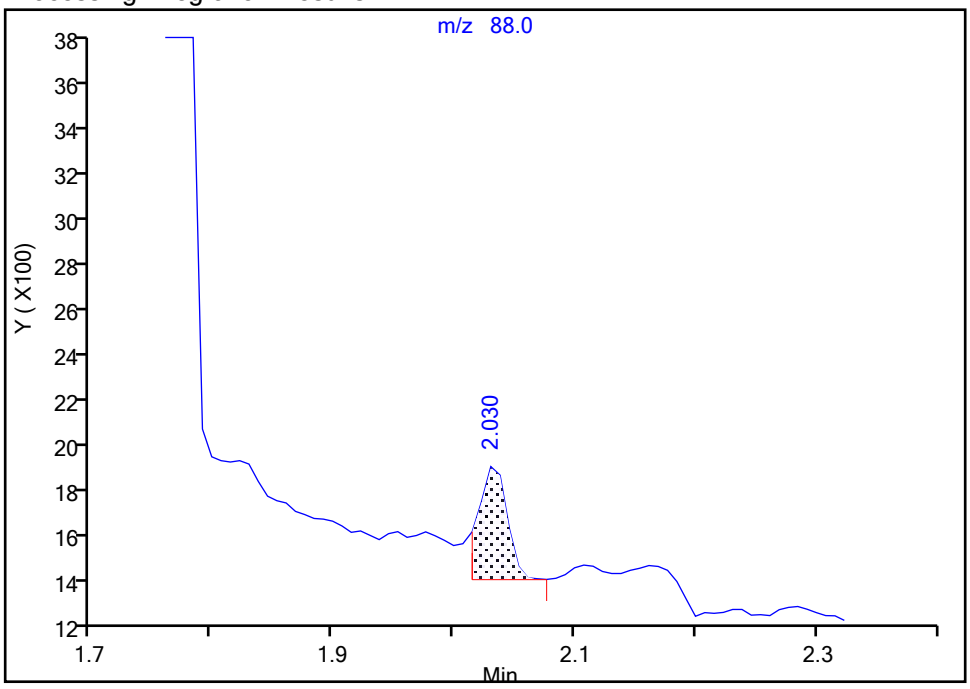
Data File:	\\chromfs\Edison\ChromData\CBNAMS9\20230205-156381.b\275470.D				
Injection Date:	05-Feb-2023 15:11:30	Instrument ID:	CBNAMS9		
Lims ID:	LCSD 460-891440/3-A				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270_Iso	Limit Group:	MSS 8270 Isotope Dilution IS		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

2 1,4-Dioxane, CAS: 123-91-1

Signal: 1

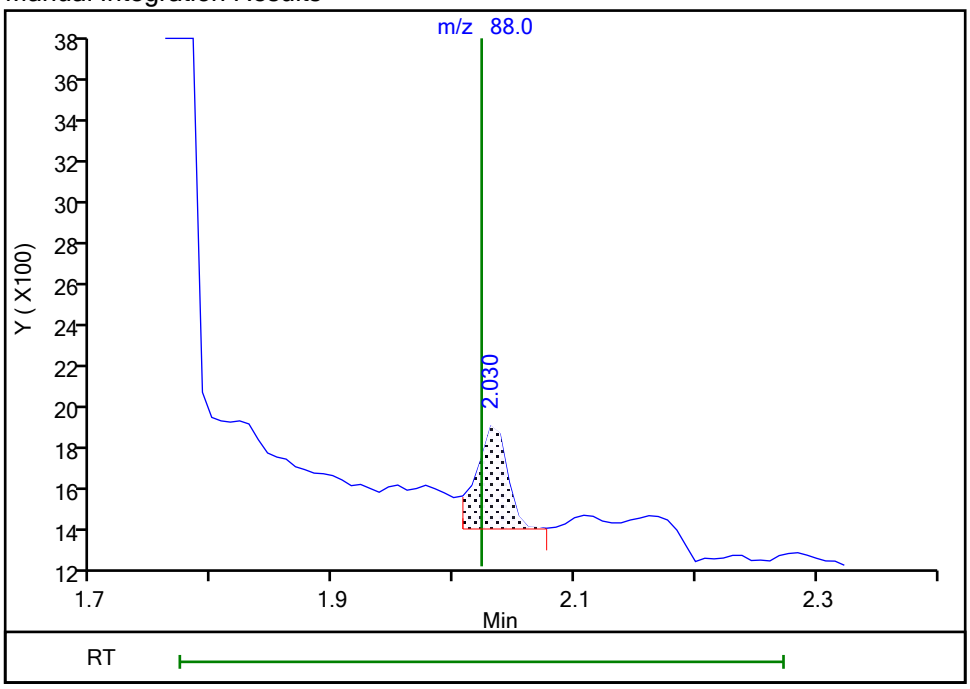
Processing Integration Results

RT: 2.03
Area: 830
Amount: 0.177784
Amount Units: ug/ml



Manual Integration Results

RT: 2.03
Area: 931
Amount: 0.199417
Amount Units: ug/ml



Reviewer: khlungprakhons, 06-Feb-2023 07:07:01

Audit Action: Manually Integrated Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS9 Start Date: 12/07/2022 14:05

Analysis Batch Number: 881795 End Date: 12/07/2022 22:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-881795/1		12/07/2022 14:05	1		Rtxi-5Sil MS 0.25(mm)
ICIS 460-881795/2		12/07/2022 20:37	1	274352.D	Rtxi-5Sil MS 0.25(mm)
STD9 460-881795/3 IC		12/07/2022 20:53	1	274353.D	Rtxi-5Sil MS 0.25(mm)
STD8 460-881795/4 IC		12/07/2022 21:09	1	274354.D	Rtxi-5Sil MS 0.25(mm)
STD7 460-881795/5 IC		12/07/2022 21:25	1	274355.D	Rtxi-5Sil MS 0.25(mm)
STD6 460-881795/6 IC		12/07/2022 21:41	1	274356.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-881795/7 IC		12/07/2022 21:57	1	274357.D	Rtxi-5Sil MS 0.25(mm)
STD3 460-881795/8 IC		12/07/2022 22:13	1	274358.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-881795/9 IC		12/07/2022 22:29	1	274359.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-881795/10 IC		12/07/2022 22:45	1	274360.D	Rtxi-5Sil MS 0.25(mm)

8270E SIM ID

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS9 Start Date: 12/08/2022 10:20

Analysis Batch Number: 882006 End Date: 12/08/2022 11:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-882006/1		12/08/2022 10:20	1	274362.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-882006/2		12/08/2022 10:32	1		Rtxi-5Sil MS 0.25(mm)
ICV 460-882006/3		12/08/2022 10:48	1	274364.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/08/2022 11:04	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/08/2022 11:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		12/08/2022 11:35	1		Rtxi-5Sil MS 0.25(mm)

8270E SIM ID

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Instrument ID: CBNAMS9 Start Date: 02/05/2023 14:11

Analysis Batch Number: 891532 End Date: 02/05/2023 18:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-891532/2		02/05/2023 14:11	1	275467.D	Rtxi-5Sil MS 0.25(mm)
MB 460-891440/1-A		02/05/2023 14:39	1	275468.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-891440/2-A		02/05/2023 14:54	1	275469.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-891440/3-A		02/05/2023 15:11	1	275470.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 15:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 15:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 15:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 16:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 16:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 16:46	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 17:02	1		Rtxi-5Sil MS 0.25(mm)
460-273970-1	MW-07_20230202	02/05/2023 17:18	1	275478.D	Rtxi-5Sil MS 0.25(mm)
460-273970-2	MW-10_20230202	02/05/2023 17:34	1	275479.D	Rtxi-5Sil MS 0.25(mm)
460-273970-3	MW-09_20230202	02/05/2023 17:50	1	275480.D	Rtxi-5Sil MS 0.25(mm)
460-273970-4	MW-08_20230202	02/05/2023 18:05	1	275481.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		02/05/2023 18:21	1		Rtxi-5Sil MS 0.25(mm)

8270E SIM ID

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 881795 Batch Start Date: 12/07/22 14:05 Batch Analyst: Johnston, Mark D

Batch Method: 8270E SIM ID Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	SM_ISOTOPL1 00009	SM_ISOTOPL2 00008	SM_ISOTOPL3 00008	SM_ISOTOPL4 00008	SM_ISOTOPL5 00009
ICIS 460-881795/2		8270E SIM ID		1 mL					1 mL
STD9 460-881795/3 IC		8270E SIM ID		1 mL					
STD8 460-881795/4 IC		8270E SIM ID		1 mL					
STD7 460-881795/5 IC		8270E SIM ID		1 mL					
STD6 460-881795/6 IC		8270E SIM ID		1 mL					
STD4 460-881795/7 IC		8270E SIM ID		1 mL				1 mL	
STD3 460-881795/8 IC		8270E SIM ID		1 mL			1 mL		
STD2 460-881795/9 IC		8270E SIM ID		1 mL		1 mL			
STD1 460-881795/10 IC		8270E SIM ID		1 mL	1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	SM_ISOTOPL6 00009	SM_ISOTOPL7 00008	SM_ISOTOPL8 00008	SM_ISOTOPL9 00003		
ICIS 460-881795/2		8270E SIM ID							
STD9 460-881795/3 IC		8270E SIM ID					1 mL		
STD8 460-881795/4 IC		8270E SIM ID				1 mL			
STD7 460-881795/5 IC		8270E SIM ID			1 mL				
STD6 460-881795/6 IC		8270E SIM ID		1 mL					
STD4 460-881795/7 IC		8270E SIM ID							
STD3 460-881795/8 IC		8270E SIM ID							
STD2 460-881795/9 IC		8270E SIM ID							
STD1 460-881795/10 IC		8270E SIM ID							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 881795 Batch Start Date: 12/07/22 14:05 Batch Analyst: Johnston, Mark D

Batch Method: 8270E SIM ID 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 SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 882006 Batch Start Date: 12/08/22 10:20 Batch Analyst: Khlungprakhon, Sukanya

Batch Method: 8270E SIM ID Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	sm_iso_ICV 00001	SMDFTP_CH 00034			
DFTPP 460-882006/1		8270E SIM ID		1 mL		1 mL			
ICV 460-882006/3		8270E SIM ID		1 mL	1 mL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891440 Batch Start Date: 02/04/23 11:50 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_1,4-DX_SP 00008
MB 460-891440/1		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-891440/2		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
LCSD 460-891440/3		3510C, 8270E SIM ID		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-273970-E-1	MW-07_20230202	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-E-2	MW-10_20230202	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-E-3	MW-09_20230202	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-273970-E-4	MW-08_20230202	3510C, 8270E SIM ID	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_14-DX_surr 00013					
MB 460-891440/1		3510C, 8270E SIM ID		20 uL					
LCS 460-891440/2		3510C, 8270E SIM ID		20 uL					
LCSD 460-891440/3		3510C, 8270E SIM ID		20 uL					
460-273970-E-1	MW-07_20230202	3510C, 8270E SIM ID	T	20 uL					
460-273970-E-2	MW-10_20230202	3510C, 8270E SIM ID	T	20 uL					
460-273970-E-3	MW-09_20230202	3510C, 8270E SIM ID	T	20 uL					
460-273970-E-4	MW-08_20230202	3510C, 8270E SIM ID	T	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.

8270E SIM ID

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-273970-1

SDG No.:

Batch Number: 891440 Batch Start Date: 02/04/23 11:50 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E_SIM_MD_ID
pH Indicator ID	HC-291590
Analyst ID - Extraction	SS
Analyst ID - Spike Analyst	SS
Analyst ID - Spike Witness Analyst	OS
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	862016
Base Used to Adjust pH ID	RICCA - LOT Number - 2212A21
Prep Solvent ID	Methylene Chloride: 1562004
Na2SO4 ID	217726
Analyst ID - Concentration	NP
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21086154A
Batch Comment	ISOTOPE

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.

8270E SIM ID

Shipping and Receiving Documents

Chain of Custody Record

636985 eurofins | Environment Testing America

TAL-8210

Address: ______

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

Client Contact		Project Manager:	Site Contact:	Date:	COC No:
Company Name:	ARRF	Tel/Email:	Lab Contact:	Carrier:	___ of ___ COCs
Address:		Analysis Turnaround Time			Sampler:
City/State/Zip:		☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:		TAT if different from Below ______			Walk-in Client:
Fax:		☐ 2 weeks			Lab Sampling:
Project Name:	2647 [illegible]	☐ 1 week 20 DAY			Job / SDG No.: 273970
Site:		☐ 2 days			
P O #	220241	☐ 1 day			

2-Day RUSH

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCL VOCs	TCL SVOCs	Sample Specific Notes:
MW-07_20230202	2/2/23	1250	G	W				X	X	1
MW-10_20230202	↓	1335	↓	↓				X	X	2
MW-09-20230202	↓	1405	↓	↓				X	X	3
MW-08_20230202	↓	1430	↓	↓				X	X	4

460-273970 Chain of Custody

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

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

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

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: ______ Corr'd: ______		Therm ID No.: ______
Relinquished by: [signature]	Company: ARRF	Date/Time: 2/2/23 1450	Received by: [signature]	Company: ELL	Date/Time: 2/2/23 1410
Relinquished by: [signature]	Company: 2/2/23	Date/Time: 1900	Received by: [signature]	Company: EEA	Date/Time: 2/2/23 1900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.5/2.5 IR#9

Page 1 of 1

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 273970

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.5 °C	2.5 °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: 2/2/23

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-273970-1

Login Number: 273970
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	